

gene_expression_table

Name	LZ vs. C 0H - Fold change	LZ vs. C 0H - P-value	LZ vs. C 0H - FDR p-value
LOC105378947	3.2353357581	0.554787377	0.9999763851
OR4F16	1.174700458	0.5991193406	0.9999763851
LOC107984841	3.2361532718	0.5546934395	0.9999763851
SAMD11	7.7488609396	0.3054535756	0.9999763851
NOC2L	1.5461618678	0.0791181993	0.9999763851
KLHL17	-1.1145079958	0.8163643571	0.9999763851
PERM1	9.9312452783	0.2485636994	0.9999763851
HES4	1.7587700475	0.436247796	0.9999763851
ISG15	-3.730383726	1.05E-08	3.57E-05
AGRN	1.0390605202	0.8508273187	0.9999763851
RNF223	-2.2178496717	0.4263037525	0.9999763851
C1orf159	-1.0178513312	0.9703924314	0.9999763851
TTLL10	3.2356557963	0.5547505991	0.9999763851
SDF4	-1.0082437213	0.9556899836	0.9999763851
B3GALT6	1.2217146279	0.2396664651	0.9999763851
FAM132A	-4.2849908816	0.4028453076	0.9999763851
UBE2J2	1.2163737243	0.2109203609	0.9999763851
SCNN1D	-1.3487875373	0.588516679	0.9999763851
ACAP3	1.0463571199	0.9151483756	0.9999763851
PUSL1	1.1732893185	0.6030477562	0.9999763851
CPSF3L	-1.1939441443	0.3842183421	0.9999763851
CPTP	1.1414167913	0.7163034955	0.9999763851
TAS1R3	0	0	0
DVL1	1.0143284427	0.94371939	0.9999763851
MXRA8	0	0	0
AURKAIP1	-1.0056458463	0.9706011664	0.9999763851
CCNL2	-1.1774100633	0.2956263159	0.9999763851
MRPL20	1.0319266771	0.8137183017	0.9999763851
ATAD3C	3.2356557963	0.5547505991	0.9999763851
ATAD3B	1.0281248046	0.9174971078	0.9999763851
ATAD3A	1.3772262623	0.0715036014	0.9999763851
TMEM240	1.8132233098	0.5634960726	0.9999763851
SSU72	1.2013887752	0.3122483153	0.9999763851
C1orf233	-2.1176139011	0.1457079401	0.9999763851
MIB2	-1.6523757442	0.2606090588	0.9999763851
MMP23B	3.2353357581	0.554787377	0.9999763851
CDK11B	1.1587195806	0.5282351157	0.9999763851
SLC35E2B	-1.7746476327	0.301503033	0.9999763851
CDK11A	1.0055874539	0.9906962358	0.9999763851
SLC35E2	-1.2702338265	0.1431285802	0.9999763851
NADK	1.2954686403	0.149975455	0.9999763851
GNB1	1.3165781373	0.039505316	0.9999763851
LOC105378949	3.2356557963	0.5547505991	0.9999763851
CALML6	0	0	0
TMEM52	-7.5647903763	0.2176246281	0.9999763851
CFAP74	3.2353357581	0.554787377	0.9999763851
PRKCZ	-1.0852711617	0.9285820278	0.9999763851
LOC100506504	10.4285443305	0.2415083907	0.9999763851

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FAAP20	-1.0802270554	0.724048885	0.9999763851
SKI	-1.0114378384	0.9536114695	0.9999763851
MORN1	-1.2600768367	0.752558555	0.9999763851
RER1	1.0968467061	0.5191661191	0.9999763851
PEX10	-1.3154339304	0.8205576571	0.9999763851
PLCH2	0	0	0
PANK4	-1.1295257451	0.8772514809	0.9999763851
TNFRSF14	-1.1848431621	0.5975706626	0.9999763851
FAM213B	1.370603997	0.2344892638	0.9999763851
PRDM16	3.2361532718	0.5546934395	0.9999763851
MEGF6	-4.2849908816	0.4028453076	0.9999763851
TPRG1L	-1.0618961302	0.7344983515	0.9999763851
WRAP73	-1.2617491889	0.1324104744	0.9999763851
TP73	-1.2791513211	0.6734222451	0.9999763851
CCDC27	-1.3154339304	0.8205576571	0.9999763851
LRRC47	-1.3847160182	0.0318397468	0.9999763851
CEP104	-1.0095793631	0.9761424763	0.9999763851
DFFB	-1.4837504829	0.0442488539	0.9999763851
C1orf174	1.2573545516	0.2718368116	0.9999763851
NPHP4	-1.0111546758	0.9714146213	0.9999763851
KCNAB2	-1.2811364388	0.1046163373	0.9999763851
CHD5	3.2353357581	0.554787377	0.9999763851
RPL22	-1.088625411	0.4753557957	0.9999763851
RNF207	-1.3154339304	0.8205576571	0.9999763851
ICMT	1.0740827468	0.6777485154	0.9999763851
GPR153	1.1425651427	0.7870991548	0.9999763851
ACOT7	1.0781361188	0.6851325867	0.9999763851
NOL9	-1.0051786172	0.9736009758	0.9999763851
TAS1R1	0	0	0
ZBTB48	-1.0625597214	0.8949548817	0.9999763851
KLHL21	-1.0686103144	0.7084214503	0.9999763851
PHF13	-1.00008624	0.9996854632	0.9999763851
THAP3	-1.1555612359	0.4216100473	0.9999763851
DNAJC11	-1.5155260696	0.3099023206	0.9999763851
CAMTA1	1.3088858435	0.1900563935	0.9999763851
VAMP3	1.2869549966	0.2759914382	0.9999763851
PER3	-1.4580055137	0.1291807939	0.9999763851
UTS2	11.4763420597	0.2057475773	0.9999763851
TNFRSF9	-1.3709710942	0.748951574	0.9999763851
PARK7	1.0810796221	0.5295730195	0.9999763851
ERRFI1	-1.0166702806	0.977057038	0.9999763851
RERE	-1.2241734493	0.2028619646	0.9999763851
ENO1	-1.0128188539	0.9191809382	0.9999763851
CA6	7.7192231741	0.2780352706	0.9999763851
SLC2A7	3.2353357581	0.554787377	0.9999763851
SLC2A5	1.0597414331	0.7730105805	0.9999763851
GPR157	18.9337530925	0.1183250341	0.9999763851
H6PD	-1.1730435764	0.4602718919	0.9999763851
SPSB1	1.077972134	0.8912753648	0.9999763851

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SLC25A33	-1.3986516995	0.1838661971	0.9999763851
TMEM201	-1.2085686918	0.4349202455	0.9999763851
LOC107985734	1.4896325716	0.2380463107	0.9999763851
PIK3CD	-1.3567501826	0.0268320016	0.9999763851
CLSTN1	1.0392187447	0.8232239638	0.9999763851
CTNNBIP1	-1.0507736543	0.7828352545	0.9999763851
LZIC	1.1023423199	0.6141908316	0.9999763851
NMNAT1	-1.264629083	0.5312243894	0.9999763851
RBP7	-4.2849908816	0.4028453076	0.9999763851
UBE4B	1.0657174402	0.8010091842	0.9999763851
KIF1B	1.2219776479	0.3899456608	0.9999763851
PGD	-1.0302013907	0.8711931508	0.9999763851
APITD1	-1.2067848304	0.4417597325	0.9999763851
APITD1-CORT	0	0	0
CORT	-1.0022999659	0.9974194811	0.9999763851
DFFA	-1.2616288061	0.3871490765	0.9999763851
PEX14	-1.4814491832	0.1410820361	0.9999763851
CASZ1	-1.0771227858	0.7558744199	0.9999763851
TARDBP	-1.1914952151	0.1783366818	0.9999763851
MASP2	-4.2849908816	0.4028453076	0.9999763851
SRM	1.2535065026	0.0819309754	0.9999763851
EXOSC10	1.2586203042	0.2628603303	0.9999763851
MTOR	-1.089050219	0.6808115178	0.9999763851
UBIAD1	1.4441434306	0.0682871743	0.9999763851
DISP3	2.1749090749	0.2902963936	0.9999763851
FBXO44	1.0270472827	0.9776236632	0.9999763851
FBXO6	-2.0938791425	0.1311548144	0.9999763851
MAD2L2	1.1817117671	0.4247699789	0.9999763851
DRAXIN	1.0302158107	0.9680755921	0.9999763851
AGTRAP	-1.0450736439	0.7908901697	0.9999763851
MTHFR	1.5899501076	0.1846224876	0.9999763851
CLCN6	1.1567081039	0.665179057	0.9999763851
KIAA2013	-1.1227694078	0.4101468624	0.9999763851
PLOD1	-1.2090169908	0.2501471455	0.9999763851
MFN2	-1.0513352565	0.7880695764	0.9999763851
MIIP	-1.200174099	0.5534347562	0.9999763851
TNFRSF1B	-1.1703221131	0.2908432668	0.9999763851
VPS13D	1.1666597452	0.5375589315	0.9999763851
DHRS3	-1.3715341606	0.4900407406	0.9999763851
HNRNPCL1	-1.0092282152	0.9905053495	0.9999763851
PRDM2	-1.2222613113	0.2975697473	0.9999763851
KAZN	-1.6835365895	0.1330391167	0.9999763851
TMEM51	-1.1492735539	0.8452962127	0.9999763851
C1orf195	0	0	0
EFHD2	1.0048361664	0.977147235	0.9999763851
CTRC	3.2361532718	0.5546934395	0.9999763851
CELA2A	-4.2864494036	0.4027150576	0.9999763851
CELA2B	-1.6822287229	0.4686804752	0.9999763851
CASP9	1.1639808388	0.7442533189	0.9999763851

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DNAJC16	-1.0451501088	0.9190510566	0.9999763851
AGMAT	0	0	0
DDI2	1.3406186202	0.7024599618	0.9999763851
RSC1A1	12.4427966444	0.1868322323	0.9999763851
PLEKHM2	-1.3446329162	0.2043512162	0.9999763851
SLC25A34	3.2353357581	0.554787377	0.9999763851
TMEM82	0	0	0
FBLIM1	-4.2849908816	0.4028453076	0.9999763851
UQCRHL	1.3474731584	0.0879372367	0.9999763851
SPEN	1.3087159369	0.2867057139	0.9999763851
ZBTB17	-1.191194284	0.673835896	0.9999763851
ARHGEF19	1.1341393112	0.6975739546	0.9999763851
ANO7P1	3.2361532718	0.5546934395	0.9999763851
RSG1	3.2353357581	0.554787377	0.9999763851
FBXO42	1.5304620398	0.1495632736	0.9999763851
SZRD1	1.2764111599	0.1836186681	0.9999763851
NECAP2	1.0358674562	0.8632038033	0.9999763851
FAM231B	0	0	0
NBPF1	1.2362886503	0.3311611848	0.9999763851
LOC102723383	0	0	0
MST1L	-1.4020601044	0.285441333	0.9999763851
CROCC	-2.6293060006	0.0591438487	0.9999763851
ATP13A2	3.2449000269	0.0177855534	0.9999763851
SDHB	1.1094444485	0.5304868464	0.9999763851
PADI2	-1.2522894312	0.6244386287	0.9999763851
PADI3	-2.3217011239	0.4357700933	0.9999763851
PADI4	1.8137824633	0.5633863058	0.9999763851
RCC2	-1.2273911715	0.1541266858	0.9999763851
ARHGEF10L	-1.3074921711	0.3449107834	0.9999763851
ACTL8	1.5358098925	0.2074089023	0.9999763851
IGSF21	0	0	0
ALDH4A1	1.1910339965	0.3546468207	0.9999763851
IFFO2	1.099610368	0.8314390123	0.9999763851
UBR4	-1.081994277	0.5950480478	0.9999763851
EMC1	-1.1620024768	0.340940226	0.9999763851
MRT04	1.3227616372	0.1165370528	0.9999763851
AKR7A3	1.3516202149	0.6130596441	0.9999763851
AKR7A2	1.0906266199	0.5924502318	0.9999763851
PQLC2	-1.0610345935	0.8808049213	0.9999763851
CAPZB	-1.3282602261	0.031202376	0.9999763851
MINOS1	1.2877439777	0.0582233431	0.9999763851
MINOS1-NBL1	0	0	0
NBL1	1.0275312208	0.9771627006	0.9999763851
TMCO4	1.2509797067	0.5190719194	0.9999763851
OTUD3	2.1319137281	0.1718552059	0.9999763851
PLA2G2D	0	0	0
PLA2G2C	-1.3063941	0.6034609742	0.9999763851
UBXN10	-2.8642315427	0.0005256	0.5206160142
VWA5B1	-7.5622178268	0.2177145568	0.9999763851

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CAMK2N1	1.3668805525	0.4890888903	0.9999763851
MUL1	1.4013617921	0.2512066017	0.9999763851
CDA	1.3549226673	0.2405985083	0.9999763851
PINK1	1.1993785606	0.3627658435	0.9999763851
DDOST	-1.2065714781	0.3230165015	0.9999763851
KIF17	-1.0849160377	0.8968604788	0.9999763851
HP1BP3	1.1671146963	0.2902501932	0.9999763851
EIF4G3	1.0937346032	0.6906345008	0.9999763851
ECE1	1.0466511912	0.8285864559	0.9999763851
NBPF3	-1.866246204	0.0555079382	0.9999763851
RAP1GAP	0	0	0
USP48	-1.1251461385	0.4340374529	0.9999763851
LDLRAD2	1.0279042192	0.9761267789	0.9999763851
HSPG2	0	0	0
CELA3A	5.4781708352	0.3745527127	0.9999763851
CDC42	1.1351419722	0.3345931252	0.9999763851
ZBTB40	-1.1166057691	0.7355956481	0.9999763851
EPHA8	0	0	0
C1QA	1.6117722432	0.3344605921	0.9999763851
C1QB	0	0	0
EPHB2	-1.3158816768	0.8203229797	0.9999763851
KDM1A	-1.098581633	0.684524642	0.9999763851
LUZP1	-1.3038212819	0.2940734353	0.9999763851
HNRNPR	1.2304240465	0.1665833315	0.9999763851
ZNF436	-1.4307993596	0.494865237	0.9999763851
TCEA3	-1.0611824601	0.9005410891	0.9999763851
ASAP3	-1.3154339304	0.8205576571	0.9999763851
E2F2	-1.0347668092	0.8660790216	0.9999763851
ID3	1.2661450094	0.7597475913	0.9999763851
RPL11	1.0194037102	0.8690248342	0.9999763851
TCEB3	-1.0689686945	0.744931492	0.9999763851
PITHD1	1.2581761367	0.166452002	0.9999763851
LYPLA2	1.1268043874	0.4344546813	0.9999763851
GALE	-1.0200757478	0.9389769545	0.9999763851
HMGCL	-1.2336977324	0.5102408997	0.9999763851
FUCA1	-1.0817369301	0.6043949421	0.9999763851
CNR2	1.6099279025	0.1016389644	0.9999763851
PNRC2	1.0542540952	0.7679180619	0.9999763851
SRSF10	1.0157418012	0.9159352384	0.9999763851
MYOM3	0	0	0
IL22RA1	0	0	0
IFNLR1	0	0	0
GRHL3	1.2867653957	0.8303027073	0.9999763851
STPG1	1.3261442362	0.7481308662	0.9999763851
NIPAL3	1.7498218804	0.1302972877	0.9999763851
RCAN3	1.4670354898	0.498132032	0.9999763851
NCMAP	0	0	0
SRRM1	1.0310513695	0.8284256726	0.9999763851
CLIC4	-1.2421295315	0.3306171329	0.9999763851

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RUNX3	1.0523960626	0.6920371863	0.9999763851
SYF2	-1.0332529439	0.849509142	0.9999763851
RSRP1	-1.0968404282	0.6244630843	0.9999763851
TMEM50A	1.1663825021	0.4320550433	0.9999763851
RHCE	-1.3475331976	0.7688178297	0.9999763851
TMEM57	1.3751821414	0.2330431253	0.9999763851
LDLRAP1	1.1806295713	0.4113780214	0.9999763851
MAN1C1	1.1326643262	0.8792464483	0.9999763851
SEPN1	1.4404315282	0.1589759444	0.9999763851
MTFR1L	-40.9972410401	0.0218231458	0.9999763851
AUNIP	1.3913138705	0.1063272315	0.9999763851
PAQR7	3.2353357581	0.554787377	0.9999763851
STMN1	1.0636664556	0.5933236956	0.9999763851
PAFAH2	-1.0056922468	0.9879745456	0.9999763851
PDIK1L	-1.2574156331	0.7171083699	0.9999763851
FAM110D	-1.0351013771	0.9593129508	0.9999763851
ZNF593	1.1818495503	0.3186987545	0.9999763851
CNKSR1	3.2356557963	0.5547505991	0.9999763851
CATSPER4	0	0	0
CEP85	-1.0822680815	0.7944456243	0.9999763851
SH3BGRL3	1.2286048015	0.1992119706	0.9999763851
UBXN11	1.027554661	0.9756517998	0.9999763851
CD52	-1.0404139104	0.8243362932	0.9999763851
LIN28A	-4.2849908816	0.4028453076	0.9999763851
DHDDS	-1.6797920108	0.0670160399	0.9999763851
HMGN2	1.4199846747	0.004526	0.9999763851
RPS6KA1	1.0096851677	0.9590364726	0.9999763851
ARID1A	1.0309196656	0.8583610318	0.9999763851
PIGV	1.511699786	0.4786618003	0.9999763851
ZDHHC18	1.2242987547	0.4016810075	0.9999763851
SFN	-1.1491729646	0.847779038	0.9999763851
GPN2	1.0648972176	0.8542674712	0.9999763851
GPATCH3	1.1565287774	0.6517534415	0.9999763851
NUDC	1.2108105044	0.2338512031	0.9999763851
KDF1	0	0	0
TRNP1	1.62522264	0.5744236099	0.9999763851
SLC9A1	1.2006389141	0.6175123491	0.9999763851
WDTC1	1.12167016	0.7327891125	0.9999763851
TMEM222	-1.0957233907	0.7450479096	0.9999763851
SYTL1	1.2448173907	0.6109771672	0.9999763851
MAP3K6	-1.6685488022	0.2499416412	0.9999763851
FCN3	0	0	0
GPR3	3.2361532718	0.5546934395	0.9999763851
WASF2	1.0901609584	0.5925482224	0.9999763851
AHDC1	1.101622642	0.7783063855	0.9999763851
FGR	1.0677232935	0.7730948165	0.9999763851
IFI6	-5.4025441211	6.16E-10	3.01E-06
FAM76A	-2.2349198472	0.0703768246	0.9999763851
STX12	-1.2304642165	0.428059802	0.9999763851

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PPP1R8	1.5680697646	0.009504	0.9999763851
THEMIS2	1.2339528129	0.2922779136	0.9999763851
RPA2	1.1365826064	0.3799677251	0.9999763851
SMPDL3B	-7.5622178268	0.2177145568	0.9999763851
XKR8	1.3706686629	0.3674901675	0.9999763851
EYA3	-1.2688574231	0.1806205706	0.9999763851
PTAFR	-1.7460333819	0.00886	0.9999763851
DNAJC8	1.0010121842	0.9948902754	0.9999763851
ATPIF1	-1.0168057009	0.8978314225	0.9999763851
SESN2	-1.513336191	0.1914034435	0.9999763851
MED18	1.5329222667	0.1264405606	0.9999763851
PHACTR4	1.1823043678	0.40033852	0.9999763851
RCC1	-1.033461336	0.8088548783	0.9999763851
TRNAU1AP	1.0648769255	0.7827119148	0.9999763851
TAF12	-1.1813360361	0.3721629073	0.9999763851
GMEB1	-1.0587083132	0.8560791701	0.9999763851
YTHDF2	1.2607475794	0.1057631326	0.9999763851
OPRD1	0	0	0
EPB41	-1.203763665	0.4854706396	0.9999763851
TMEM200B	1.0834237965	0.6104609929	0.9999763851
SRSF4	-1.1570466299	0.4136713489	0.9999763851
MECR	-1.4173138948	0.1886477124	0.9999763851
PTPRU	1.1107539683	0.8060895868	0.9999763851
MATN1	-1.9577848643	0.3993333243	0.9999763851
LAPTM5	-1.0607557082	0.6493937013	0.9999763851
PUM1	1.060730575	0.7073312768	0.9999763851
NKAIN1	-4.2849908816	0.4028453076	0.9999763851
SNRNP40	-1.0562260042	0.8655201862	0.9999763851
ZCCHC17	1.5213857738	0.3095286202	0.9999763851
FABP3	1.2254478425	0.348313789	0.9999763851
SERINC2	-1.081459568	0.7503780051	0.9999763851
TINAGL1	0	0	0
HCRTR1	0	0	0
PEF1	1.1734555506	0.4645705727	0.9999763851
COL16A1	0	0	0
ADGRB2	0	0	0
SPOCD1	-15.8725894304	0.00719	0.9999763851
PTP4A2	-1.0889136629	0.4986668648	0.9999763851
KHDRBS1	1.2996534026	0.0558781468	0.9999763851
TMEM39B	-1.3277520943	0.2270795529	0.9999763851
KPNA6	1.3806841363	0.0727999418	0.9999763851
TXLNA	1.5717321995	0.0306217739	0.9999763851
CCDC28B	1.0169984421	0.9311680911	0.9999763851
TMEM234	3.2361532718	0.5546934395	0.9999763851
IQCC	1.1338949431	0.8799751866	0.9999763851
DCDC2B	0	0	0
EIF3I	1.489220349	0.0129344258	0.9999763851
LCK	-1.9657157813	0.458714207	0.9999763851
HDAC1	1.1106681006	0.4844432564	0.9999763851

gene_expression_table

MARCKSL1	-1.4443312498	0.0298793785	0.9999763851
FAM229A	-1.3942010814	0.6863515839	0.9999763851
TSSK3	0	0	0
BSDC1	-1.8123280412	0.0752509865	0.9999763851
ZBTB8A	1.2272294314	0.6566691172	0.9999763851
ZBTB8OS	1.1013490248	0.7307733939	0.9999763851
RBBP4	1.8465089398	0.0737870877	0.9999763851
SYNC	1.0343561594	0.8545529821	0.9999763851
KIAA1522	1.0301493879	0.9655000661	0.9999763851
YARS	1.2456231905	0.1417942902	0.9999763851
S100PBP	-1.0241720764	0.9340862931	0.9999763851
FNDC5	-7.5647903763	0.2176246281	0.9999763851
TMEM54	1.9215420498	0.4502798488	0.9999763851
RNF19B	1.3712054902	0.2544792138	0.9999763851
AK2	-1.0332253788	0.8009381203	0.9999763851
AZIN2	-1.3713173847	0.744373445	0.9999763851
TRIM62	-1.1974053127	0.8020098371	0.9999763851
ZNF362	1.2507927833	0.5167684076	0.9999763851
A3GALT2	-4.2849908816	0.4028453076	0.9999763851
PHC2	-1.3864284638	0.1488605724	0.9999763851
ZSCAN20	1.8139617088	0.5768737227	0.9999763851
CSMD2	-1.315303824	0.8206171563	0.9999763851
SMIM12	1.0429840383	0.8268966976	0.9999763851
DLGAP3	0	0	0
TMEM35B	-1.1045245155	0.8011295043	0.9999763851
ZMYM6	-1.1850181137	0.5348878489	0.9999763851
ZMYM1	-1.0288429291	0.9342748108	0.9999763851
SFPQ	-1.2135663739	0.123071045	0.9999763851
ZMYM4	-1.0484473863	0.7235662879	0.9999763851
KIAA0319L	-1.0634223685	0.7145210223	0.9999763851
NCDN	1.3072634951	0.6713947708	0.9999763851
TFAP2E	1.1465380583	0.5868284037	0.9999763851
PSMB2	1.1440482277	0.3652391144	0.9999763851
C1orf216	1.0577637794	0.8743426099	0.9999763851
CLSPN	1.2867573272	0.1587778789	0.9999763851
AGO4	-1.419097851	0.1563229254	0.9999763851
AGO1	1.0977887122	0.6986308333	0.9999763851
AGO3	-1.3423274056	0.3017980552	0.9999763851
ADPRHL2	-1.4063529219	0.0502653695	0.9999763851
COL8A2	3.2361532718	0.5546934395	0.9999763851
TRAPPC3	1.0402064676	0.8071220241	0.9999763851
MAP7D1	1.3630876688	0.1107116129	0.9999763851
THRAP3	1.1953128571	0.1736719219	0.9999763851
SH3D21	2.3406309168	0.4061106601	0.9999763851
EVA1B	-2.3222877795	0.4499253493	0.9999763851
STK40	1.3627588291	0.0800004676	0.9999763851
LSM10	1.2707950058	0.1873159281	0.9999763851
OSCP1	-1.1229725452	0.8410441136	0.9999763851
MRPS15	1.0072888836	0.9800625082	0.9999763851

gene_expression_table

CSF3R	1.1980054699	0.496096585	0.9999763851
GRIK3	-1.8670181425	0.1635603156	0.9999763851
ZC3H12A	1.1363282285	0.4620162506	0.9999763851
MEAF6	-1.4783698659	0.0473098713	0.9999763851
SNIP1	-1.4838422186	0.175033542	0.9999763851
DNALI1	0	0	0
GNL2	-1.3070153459	0.1727987443	0.9999763851
C1orf109	-1.1159279385	0.8336084609	0.9999763851
CDCA8	-1.2162283908	0.1301918354	0.9999763851
EPHA10	0	0	0
MANEAL	-1.2336255799	0.4117282158	0.9999763851
YRDC	-1.2254727571	0.4229349423	0.9999763851
C1orf122	1.0639161696	0.7284146051	0.9999763851
MTF1	-1.3756051828	0.2744568868	0.9999763851
INPP5B	1.2824126562	0.2131103937	0.9999763851
SF3A3	-1.1678705615	0.2763331792	0.9999763851
FHL3	1.1752618031	0.4351565841	0.9999763851
UTP11	1.2816916059	0.1137338877	0.9999763851
POU3F1	0	0	0
RRAGC	-1.0850088641	0.6351472896	0.9999763851
MYCBP	1.4733430206	0.0302198045	0.9999763851
GJA9	7.722359209	0.2874653569	0.9999763851
RHBDL2	1.9234638322	0.4244885585	0.9999763851
AKIRIN1	-1.1223776694	0.5739319236	0.9999763851
NDUFS5	-1.0370693717	0.7759800332	0.9999763851
MACF1	-1.2899927641	0.1050251605	0.9999763851
BMP8A	1.3264062359	0.7554980028	0.9999763851
PABPC4	-1.4659153476	0.0153432966	0.9999763851
HEYL	0	0	0
HPCAL4	0	0	0
PPIE	1.0454151045	0.8214937213	0.9999763851
BMP8B	7.4933530102	0.2989996747	0.9999763851
OXCT2	3.2356557963	0.5547505991	0.9999763851
TRIT1	-1.204003756	0.4414480557	0.9999763851
MYCL	2.7978015099	0.1325958573	0.9999763851
MFSD2A	1.0516550026	0.8337114477	0.9999763851
CAP1	1.2786951759	0.0901760968	0.9999763851
PPT1	-1.0827602096	0.5718902911	0.9999763851
RLF	-1.2041312042	0.4283639205	0.9999763851
ZMPSTE24	1.3774094353	0.1978727565	0.9999763851
COL9A2	1.2654869437	0.5583906881	0.9999763851
SMAP2	1.1673937482	0.4425049331	0.9999763851
ZFP69B	2.8203441424	0.209650288	0.9999763851
ZFP69	-1.4222660396	0.6158386455	0.9999763851
EXO5	2.1067706904	0.1124684758	0.9999763851
ZNF684	-2.321702064	0.1782047152	0.9999763851
RIMS3	1.018375304	0.95694932	0.9999763851
NFYC	-1.0897062364	0.7564935629	0.9999763851
KCNQ4	3.2356557963	0.5547505991	0.9999763851

gene_expression_table

CITED4	1.1033113336	0.6464066241	0.9999763851
CTPS1	1.179096483	0.343188561	0.9999763851
SLFNL1	1.3576108079	0.7959116151	0.9999763851
SCMH1	-1.1459226781	0.4879558582	0.9999763851
FOXO6	1.1084459858	0.8163228227	0.9999763851
HIVEP3	-3.2405822385	0.0483564757	0.9999763851
FOXJ3	-1.1273761182	0.5244907001	0.9999763851
RIMKLA	0	0	0
ZMYND12	-4.2849908816	0.4028453076	0.9999763851
PPCS	1.0657023898	0.7686289001	0.9999763851
CCDC30	-3.1526523138	0.2046958923	0.9999763851
PPIH	-1.0749600167	0.6116493447	0.9999763851
YBX1	1.0126449093	0.9394509667	0.9999763851
P3H1	-1.0094521501	0.9668420056	0.9999763851
C1orf50	1.2131929708	0.6325554469	0.9999763851
LOC100129924	0	0	0
SVBP	1.7286417065	0.2511120207	0.9999763851
ERMAP	-1.4348894959	0.4650630281	0.9999763851
ZNF691	-1.8628321812	0.3658551233	0.9999763851
SLC2A1	1.261520985	0.1727866701	0.9999763851
EBNA1BP2	1.204286912	0.2517569072	0.9999763851
CFAP57	-4.2849908816	0.4028453076	0.9999763851
C1orf210	0	0	0
TIE1	0	0	0
MPL	0	0	0
CDC20	1.3981109525	0.0714615304	0.9999763851
ELOVL1	1.0688798244	0.8221522541	0.9999763851
MED8	1.0334395702	0.8694987083	0.9999763851
SZT2	-2.712424071	0.1658745147	0.9999763851
HYI	1.2418628383	0.3905338457	0.9999763851
PTPRF	-1.9096097289	0.1145861384	0.9999763851
KDM4A	1.1138255623	0.5474097204	0.9999763851
ST3GAL3	1.0012855074	0.9970513974	0.9999763851
IPO13	1.9412048835	0.043864734	0.9999763851
DPH2	1.4523595612	0.1355191493	0.9999763851
ATP6V0B	-1.2734918491	0.0805539925	0.9999763851
B4GALT2	-1.0930164211	0.6262146172	0.9999763851
CCDC24	-2.2413309057	0.3242360431	0.9999763851
SLC6A9	0	0	0
KLF17	1.0243527553	0.93160954	0.9999763851
DMAP1	2.014637565	0.176361245	0.9999763851
ERI3	-1.301206318	0.3350862144	0.9999763851
RNF220	-1.0263134702	0.8769070476	0.9999763851
TMEM53	1.3683883835	0.4355491148	0.9999763851
C1orf228	-1.2441005715	0.2063254001	0.9999763851
KIF2C	1.0938915703	0.5434066598	0.9999763851
RPS8	-1.0546302799	0.6763404266	0.9999763851
BEST4	-7.5622178268	0.2177145568	0.9999763851
PLK3	-1.1806494914	0.6083184779	0.9999763851

gene_expression_table

TCTEX1D4	6.368054416	0.3491336461	0.9999763851
BTBD19	-4.2849908816	0.4028453076	0.9999763851
PTCH2	2.3403997491	0.4168427477	0.9999763851
EIF2B3	1.234625829	0.3840771048	0.9999763851
HECTD3	-1.3079652595	0.5952824969	0.9999763851
UROD	1.3983273592	0.02344798	0.9999763851
ZSWIM5	9.9624059448	0.2315301533	0.9999763851
HPDL	0	0	0
MUTYH	1.001554667	0.997215672	0.9999763851
TOE1	1.4418110646	0.1201378768	0.9999763851
TESK2	-2.4944383406	0.1879532499	0.9999763851
MMACHC	1.1233250589	0.7732186807	0.9999763851
PRDX1	1.0040527974	0.976366907	0.9999763851
AKR1A1	-1.0867381317	0.6362519242	0.9999763851
NASP	1.1405989486	0.309707639	0.9999763851
GPBP1L1	-1.0987944205	0.5975313729	0.9999763851
TMEM69	-1.138064785	0.6629594767	0.9999763851
IPP	1.1934007193	0.7476980061	0.9999763851
MAST2	1.171017994	0.5779643661	0.9999763851
PIK3R3	-1.4249978991	0.1616800594	0.9999763851
TSPAN1	0	0	0
POMGNT1	1.5197618288	0.3428943336	0.9999763851
RAD54L	1.0174672472	0.9475685472	0.9999763851
LRRC41	-1.0209425382	0.9263620071	0.9999763851
UQCRH	1.2039942633	0.1173091837	0.9999763851
NSUN4	-1.0544361942	0.8460527835	0.9999763851
FAAH	1.7492118798	0.2028231509	0.9999763851
DMBX1	0	0	0
MKNK1	1.1287633192	0.5908690192	0.9999763851
MOB3C	1.0314251651	0.9600071573	0.9999763851
ATPAF1	-1.0958025414	0.7522087972	0.9999763851
TEX38	0	0	0
EFCAB14	1.2778015554	0.2316317792	0.9999763851
CYP4Z1	5.4781708352	0.3745527127	0.9999763851
STIL	-1.2712084615	0.2304664548	0.9999763851
CMPK1	-1.1278467171	0.4998078876	0.9999763851
FOXE3	3.2356557963	0.5547505991	0.9999763851
FOXD2	2.3920809821	0.1294240634	0.9999763851
TRABD2B	0	0	0
SPATA6	-1.6825599095	0.4644371097	0.9999763851
AGBL4	-1.3475331976	0.7683386714	0.9999763851
ELAVL4	-4.2864494036	0.4027150576	0.9999763851
FAF1	-1.1424742321	0.5069642762	0.9999763851
CDKN2C	1.2604632305	0.3387733237	0.9999763851
RNF11	1.6221515261	0.0257843808	0.9999763851
TTC39A	3.2353357581	0.554787377	0.9999763851
EPS15	1.1509760211	0.4572438922	0.9999763851
OSBPL9	-1.1619456025	0.3883086625	0.9999763851
NRDC	1.3577275062	0.0760404766	0.9999763851

gene_expression_table

RAB3B	0	0	0
TXNDC12	1.2125014789	0.162345766	0.9999763851
KTI12	1.3780698625	0.3836035132	0.9999763851
BTF3L4	-1.4670098702	0.0315139786	0.9999763851
ZFYVE9	-1.1288786827	0.7329015124	0.9999763851
CC2D1B	-1.1353715088	0.7631190466	0.9999763851
ORC1	1.1653216603	0.449537265	0.9999763851
PRPF38A	1.0465644099	0.765633682	0.9999763851
ZCCHC11	-1.1705331575	0.4652149051	0.9999763851
GPX7	0	0	0
COA7	1.241435741	0.5504933027	0.9999763851
ZYG11B	1.1218493062	0.4150157654	0.9999763851
ZYG11A	2.1492013829	0.2180858772	0.9999763851
ECHDC2	-1.4083241465	0.6544677626	0.9999763851
SCP2	-1.1459447402	0.5342818151	0.9999763851
SLC1A7	-4.2849908816	0.4028453076	0.9999763851
CPT2	1.3898267733	0.3157861028	0.9999763851
C1orf123	1.282769805	0.2398022004	0.9999763851
MAGOH	-1.3661819099	0.0848880741	0.9999763851
LRP8	-1.1599241494	0.2844723797	0.9999763851
GLIS1	-3.3295429242	0.2525387851	0.9999763851
NDC1	-1.0295957802	0.8586732177	0.9999763851
YIPF1	1.4693104963	0.2202750165	0.9999763851
DIO1	-1.3155492632	0.8262553345	0.9999763851
HSPB11	-1.2880687492	0.1808757109	0.9999763851
LRRC42	-1.1254239821	0.4771152926	0.9999763851
TMEM59	-1.0319373506	0.8294880011	0.9999763851
TCEANC2	1.61881294	0.1082493465	0.9999763851
CYB5RL	-1.6268130118	0.27816549	0.9999763851
MRPL37	-1.076789284	0.6325273204	0.9999763851
SSBP3	-1.0999915452	0.5245488907	0.9999763851
ACOT11	-2.6351957541	0.2411378651	0.9999763851
FAM151A	1.2306513941	0.5770694621	0.9999763851
TTC4	1.056290461	0.7649869104	0.9999763851
PARS2	1.4989395884	0.3648968522	0.9999763851
TTC22	0	0	0
LEXM	-1.3157515262	0.8228795024	0.9999763851
DHCR24	-1.4167981913	0.0100058065	0.9999763851
TMEM61	0	0	0
USP24	1.1359023621	0.6007514195	0.9999763851
PLPP3	1.0779215982	0.8988615317	0.9999763851
C1orf168	0	0	0
C8B	3.2356557963	0.5547505991	0.9999763851
DAB1	4.4484168982	0.1372823053	0.9999763851
OMA1	-1.1263510553	0.7560129484	0.9999763851
MYSM1	-1.1929248172	0.6000005937	0.9999763851
JUN	-1.6499275215	0.0107187099	0.9999763851
FGGY	1.1254081046	0.7375101646	0.9999763851
HOOK1	3.2353357581	0.554787377	0.9999763851

gene_expression_table

NFIA	1.6796325003	0.0765620578	0.9999763851
TM2D1	-1.4714785237	0.0383601022	0.9999763851
PATJ	1.2869631997	0.8233366737	0.9999763851
KANK4	1.4171435615	0.3670631318	0.9999763851
USP1	1.006724314	0.9628074921	0.9999763851
DOCK7	-1.5066556591	0.4259607502	0.9999763851
ATG4C	-1.1876800422	0.7267025893	0.9999763851
ALG6	1.1598967152	0.6272186165	0.9999763851
ITGB3BP	-1.038488582	0.8522071856	0.9999763851
EFCAB7	-1.6179658945	0.2563496448	0.9999763851
PGM1	1.5159143692	0.003727	0.9999763851
ROR1	0	0	0
CACHD1	-4.2864494036	0.4027150576	0.9999763851
RAVER2	-1.277986891	0.6565646065	0.9999763851
JAK1	-1.0607228959	0.750178617	0.9999763851
LOC107983962	1.2872739558	0.823346684	0.9999763851
AK4	1.1160385574	0.6016049397	0.9999763851
DNAJC6	1.0277462901	0.9757638168	0.9999763851
LEPROT	-1.4411210315	0.1934824586	0.9999763851
PDE4B	1.1549158921	0.6282365768	0.9999763851
SGIP1	0	0	0
WDR78	1.6251513227	0.5896897148	0.9999763851
MIER1	-1.1526540481	0.6110127086	0.9999763851
SLC35D1	-1.0052802913	0.9920420512	0.9999763851
IL12RB2	2.3403997491	0.4169269104	0.9999763851
SERBP1	1.06332528	0.6012211798	0.9999763851
GADD45A	-2.6444442696	0.0290133933	0.9999763851
GNG12	1.0452961372	0.893151198	0.9999763851
DIRAS3	0	0	0
DEPDC1	1.0812620512	0.8113653217	0.9999763851
LRRC7	-1.080916289	0.9219620637	0.9999763851
LRRC40	-1.1592062522	0.5341309734	0.9999763851
SRSF11	-1.0835638365	0.5394004115	0.9999763851
ANKRD13C	-1.136622131	0.6466843829	0.9999763851
HHLA3	1.6688831311	0.4451512916	0.9999763851
CTH	-1.7399553654	0.2241587259	0.9999763851
PTGER3	0	0	0
ZRANB2	1.0551770608	0.6951717105	0.9999763851
NEGR1	-1.0156680097	0.9726446607	0.9999763851
FPGT	-1.2875792692	0.7315004988	0.9999763851
FPGT-TNNI3K	4.3099016468	0.2319860646	0.9999763851
TNNI3K	3.2353357581	0.554787377	0.9999763851
LOC105378803	0	0	0
CRYZ	-1.1821581157	0.7825378475	0.9999763851
TYW3	-1.1379034424	0.5983812248	0.9999763851
ACADM	-1.0665218744	0.7246986445	0.9999763851
RABGGTB	1.2812219559	0.5185707431	0.9999763851
MSH4	0	0	0
ST6GALNAC3	-1.7080263853	0.0927863622	0.9999763851

gene_expression_table

PIGK	-1.0256958331	0.8668538253	0.9999763851
AK5	-1.0810230665	0.9184042055	0.9999763851
ZZZ3	-1.0771341689	0.6715152479	0.9999763851
USP33	-1.0123051483	0.9515305478	0.9999763851
FAM73A	-1.1489484111	0.6822387202	0.9999763851
NEXN	-2.5591355727	0.2873473728	0.9999763851
FUBP1	-1.1215377691	0.4133570466	0.9999763851
DNAJB4	1.0329089223	0.9460111055	0.9999763851
IFI44L	0	0	0
IFI44	-7.5690339649	0.2288949944	0.9999763851
ADGRL4	0	0	0
ADGRL2	-8.342239448	0.2168368514	0.9999763851
PRKACB	1.8752000307	0.2887564352	0.9999763851
SAMD13	1.5491073841	0.5508222679	0.9999763851
RPF1	-1.007125149	0.970882643	0.9999763851
GNG5	1.2197277957	0.171195485	0.9999763851
SPATA1	-1.901207257	0.1080420508	0.9999763851
CTBS	-1.2618921825	0.5401062119	0.9999763851
SSX2IP	1.4848798847	0.2478331301	0.9999763851
WDR63	3.2361532718	0.5546934395	0.9999763851
SYDE2	1.0920005331	0.8613118991	0.9999763851
C1orf52	1.0934518004	0.5945647388	0.9999763851
BCL10	-1.6542940914	0.0665958873	0.9999763851
DDAH1	0	0	0
ZNHIT6	-1.066036495	0.7796831474	0.9999763851
COL24A1	0	0	0
ODF2L	3.21452506	0.0699367023	0.9999763851
CLCA4	0	0	0
SH3GLB1	1.0482768737	0.8253941624	0.9999763851
SEP15	1.0120557381	0.9456939363	0.9999763851
HS2ST1	-1.5058913433	0.0345192174	0.9999763851
LMO4	1.252266097	0.3549176189	0.9999763851
PKN2	1.1983007114	0.5365931953	0.9999763851
GTF2B	1.2675988651	0.2998947978	0.9999763851
KYAT3	-1.0257173553	0.9250827778	0.9999763851
RBMXL1	1.7264313563	0.1579628373	0.9999763851
GBP3	5.4770877341	0.3746135179	0.9999763851
GBP1	-4.2864494036	0.4027150576	0.9999763851
GBP2	0	0	0
GBP5	-1.1747890416	0.8269564911	0.9999763851
LRRC8B	1.0307744197	0.9406823856	0.9999763851
LRRC8C	-1.3444874888	0.3005306634	0.9999763851
LRRC8D	-1.7006561141	0.034361671	0.9999763851
ZNF326	1.0671236887	0.7940501348	0.9999763851
ZNF644	1.0881377686	0.6718445569	0.9999763851
HFM1	-1.5886842618	0.3607312972	0.9999763851
CDC7	-1.0652127259	0.8215513268	0.9999763851
TGFBR3	-1.327843339	0.3520694664	0.9999763851
BRDT	0	0	0

gene_expression_table

EPHX4	3.2361532718	0.5546934395	0.9999763851
SETSIIP	5.4784711963	0.3745358536	0.9999763851
C1orf146	0	0	0
GLMN	1.1493689076	0.4326194013	0.9999763851
RPAP2	-1.3158393667	0.828121228	0.9999763851
GFI1	1.0169248846	0.9055430262	0.9999763851
EVI5	1.1146588378	0.8394716519	0.9999763851
RPL5	1.0325206885	0.7873666158	0.9999763851
FAM69A	2.1485439616	0.2194572952	0.9999763851
MTF2	1.0775093189	0.6902472954	0.9999763851
TMED5	1.0629953743	0.7259689147	0.9999763851
CCDC18	-1.2954278811	0.2412495494	0.9999763851
DR1	-1.0875125239	0.6995979514	0.9999763851
FNBP1L	-1.1957618347	0.7958145403	0.9999763851
BCAR3	-1.0157357434	0.9794065735	0.9999763851
DNTTIP2	1.1951412336	0.3656962456	0.9999763851
GCLM	1.0355595807	0.8747065604	0.9999763851
ABCD3	-1.1382090997	0.5825470763	0.9999763851
F3	-1.3219738921	0.6269807691	0.9999763851
SLC44A3	3.2353357581	0.554787377	0.9999763851
ALG14	1.0332174016	0.9436058602	0.9999763851
TMEM56	-4.2849908816	0.4028453076	0.9999763851
RWDD3	-1.2041751285	0.6660799448	0.9999763851
PTBP2	1.0050067075	0.9857920479	0.9999763851
DPYD	-1.4193729064	0.1627447451	0.9999763851
PLPPR4	3.2356557963	0.5547505991	0.9999763851
AGL	1.2737544387	0.5539509627	0.9999763851
SLC35A3	-1.4144790023	0.2146920306	0.9999763851
MFSD14A	-1.4875632814	0.3719236359	0.9999763851
SASS6	1.3874498252	0.1484160027	0.9999763851
TRMT13	1.2653379663	0.5521026142	0.9999763851
LRRC39	2.5213873366	0.2621812916	0.9999763851
DBT	-1.0851002247	0.6817333818	0.9999763851
RTCA	-1.0780913449	0.7094130514	0.9999763851
CDC14A	1.255251492	0.6084776913	0.9999763851
EXTL2	1.7126026959	0.0716652317	0.9999763851
SLC30A7	1.1072566221	0.631074171	0.9999763851
DPH5	-1.1273829776	0.7965249122	0.9999763851
OLFM3	0	0	0
COL11A1	-1.3157515262	0.822832452	0.9999763851
LOC101928436	3.2353357581	0.554787377	0.9999763851
RNPC3	4.9062743278	0.003441	0.9999763851
AMY2B	-1.2118231382	0.7205584961	0.9999763851
AMY1B	0	0	0
PRMT6	1.0581252742	0.8759791608	0.9999763851
NTNG1	0	0	0
VAV3	1.35378055	0.1921197091	0.9999763851
SLC25A24	-1.406703979	0.06204141	0.9999763851
FAM102B	-1.564234202	0.438695862	0.9999763851

gene_expression_table

HENMT1	-1.1099481984	0.6063269117	0.9999763851
PRPF38B	-1.2074534887	0.2608145278	0.9999763851
FNDC7	0	0	0
STXBP3	-1.387737892	0.3483584401	0.9999763851
AKNAD1	0	0	0
GPSM2	-1.1207577255	0.7357632184	0.9999763851
CLCC1	-1.3415817296	0.1625407549	0.9999763851
WDR47	-1.079137627	0.8148515104	0.9999763851
TAF13	5.4770877341	0.3746135179	0.9999763851
TMEM167B	-1.9447695232	0.019663035	0.9999763851
SARS	1.3065974407	0.1868383053	0.9999763851
CELSR2	-1.1960247227	0.7898838677	0.9999763851
PSRC1	1.0883895327	0.7267532753	0.9999763851
SORT1	0	0	0
PSMA5	1.1071728435	0.6246323091	0.9999763851
ATXN7L2	-1.1492864126	0.8527946758	0.9999763851
CYB561D1	-1.0633232478	0.8526468959	0.9999763851
AMIGO1	3.2356557963	0.5547505991	0.9999763851
GNAI3	1.1565285708	0.3068819808	0.9999763851
GNAT2	-1.3950272772	0.6764095329	0.9999763851
AMPD2	-1.2319178835	0.322793879	0.9999763851
GSTM1	-1.3154339304	0.8205576571	0.9999763851
CSF1	0	0	0
AHCYL1	-1.2230577047	0.1326607278	0.9999763851
STRIP1	1.0657902922	0.7369663567	0.9999763851
ALX3	-1.5727227257	0.376861244	0.9999763851
KCNC4	1.127376782	0.6971269255	0.9999763851
RBM15	-1.0788728479	0.6948006004	0.9999763851
SLC16A4	1.2000422762	0.7007775812	0.9999763851
LAMTOR5	1.221469121	0.188506146	0.9999763851
KCNA3	-7.5622178268	0.2177145568	0.9999763851
CD53	1.8396376641	0.0682631385	0.9999763851
LRIF1	-1.1976607876	0.4442197914	0.9999763851
DRAM2	-1.2428847538	0.344709214	0.9999763851
CEPT1	-1.0065185197	0.9791000939	0.9999763851
DENND2D	1.287490194	0.2178410691	0.9999763851
CHI3L2	0	0	0
PIFO	3.2353357581	0.554787377	0.9999763851
OVGP1	7.7204093521	0.288300348	0.9999763851
WDR77	1.1733753465	0.4284249163	0.9999763851
ATP5F1	1.0709323043	0.5713702809	0.9999763851
C1orf162	-1.4016562451	0.2060864647	0.9999763851
TMIGD3	1.813344484	0.5819592412	0.9999763851
ADORA3	3.2353357581	0.554787377	0.9999763851
RAP1A	-1.1672483763	0.2994057901	0.9999763851
LOC107985184	3.2353357581	0.554787377	0.9999763851
FAM212B	1.9703420756	0.2529395872	0.9999763851
DDX20	1.0908848551	0.7194808803	0.9999763851
CTTNBP2NL	-1.7346211034	0.444497219	0.9999763851

gene_expression_table

WNT2B	0	0	0
ST7L	-1.2978410352	0.4227121455	0.9999763851
CAPZA1	1.0675562467	0.6370398968	0.9999763851
MOV10	1.2334603554	0.4237737167	0.9999763851
RHOC	1.2656255628	0.4144301139	0.9999763851
PPM1J	1.0277578074	0.9761746374	0.9999763851
FAM19A3	0	0	0
SLC16A1	1.2339578655	0.1610249189	0.9999763851
LRIG2	-1.8322554312	0.071015689	0.9999763851
MAGI3	-1.0366595916	0.9301123367	0.9999763851
PHTF1	1.0706784256	0.7988772108	0.9999763851
RSBN1	-1.9102531985	0.0161900996	0.9999763851
PTPN22	-2.0518164499	0.0106006161	0.9999763851
BCL2L15	1.027554661	0.975638146	0.9999763851
AP4B1	1.1972041652	0.4885946472	0.9999763851
DCLRE1B	-1.2078395962	0.4969751633	0.9999763851
HIPK1	-1.0513870735	0.7797007743	0.9999763851
OLFML3	-7.5664585246	0.2266693929	0.9999763851
TRIM33	-1.1154023967	0.4992088404	0.9999763851
BCAS2	1.2332193498	0.3129737184	0.9999763851
DENND2C	-1.315303824	0.8206171563	0.9999763851
NRAS	-1.0838610897	0.7169438978	0.9999763851
CSDE1	-1.3512044182	0.0128127024	0.9999763851
SIKE1	1.0155076801	0.9463013852	0.9999763851
SYCP1	2.6096308531	0.3725895477	0.9999763851
TSPAN2	-1.0576047247	0.8260322152	0.9999763851
VANGL1	-1.0154795398	0.9374804827	0.9999763851
SLC22A15	-1.7136463658	0.086579135	0.9999763851
MAB21L3	1.8144198156	0.5860619697	0.9999763851
ATP1A1	1.0324660122	0.8323123889	0.9999763851
CD58	-1.2302268426	0.3546395784	0.9999763851
IGSF3	-2.062085586	0.325289347	0.9999763851
CD2	-7.5622178268	0.2177145568	0.9999763851
CD101	-1.3259774455	0.7080148362	0.9999763851
TTF2	1.1213178826	0.5499800545	0.9999763851
TRIM45	-1.4294697437	0.5411731667	0.9999763851
MAN1A2	-1.2502135669	0.2668853316	0.9999763851
FAM46C	1.0518616614	0.7611607995	0.9999763851
GDAP2	-1.4482036688	0.272343121	0.9999763851
WDR3	1.0838966575	0.6590437066	0.9999763851
SPAG17	2.2691674219	0.0879064108	0.9999763851
TBX15	0	0	0
WARS2	1.2193952735	0.5383942732	0.9999763851
ZNF697	-1.1540493772	0.7927618033	0.9999763851
PHGDH	1.2342417119	0.1751241068	0.9999763851
NOTCH2	-1.3037390021	0.1556512424	0.9999763851
SEC22B	-1.0160529687	0.9342810764	0.9999763851
NBPF8	1.3332507287	0.4500770998	0.9999763851
LOC100996724	-1.8944365684	0.4327296728	0.9999763851

gene_expression_table

LOC101929796	-2.5587422769	0.2940369625	0.9999763851
NBPF26	-12.8287151494	0.0007027	0.6510516988
PPIAL4A	-1.9555716929	0.4957436191	0.9999763851
LOC100996720	1.8136032532	0.5955006303	0.9999763851
LOC105369199	1.3256045991	0.7561119736	0.9999763851
LOC100996721	-2.2382543016	0.2851758488	0.9999763851
LOC100996318	1.6568794408	0.5804676196	0.9999763851
FAM72B	-1.381021336	0.3273191067	0.9999763851
SRGAP2C	1.1016093311	0.6891633823	0.9999763851
LOC107985108	-1.6205404778	0.4233854166	0.9999763851
FAM72C	1.2671394648	0.7711183844	0.9999763851
PPIAL4E	0	0	0
NBPF15	-1.432833698	0.1306402296	0.9999763851
PPIAL4F	-4.2849908816	0.4028453076	0.9999763851
SRGAP2B	1.0686036807	0.8111207848	0.9999763851
FAM72D	1.8974640918	0.2189315318	0.9999763851
LOC101929805	2.3407592913	0.4273028978	0.9999763851
NBPF20	1.1336215097	0.8697170658	0.9999763851
LOC105371303	1.5317288444	0.3936174128	0.9999763851
GPR89A	1.1914041795	0.4211765317	0.9999763851
PDZK1	-1.2936836943	0.6069785979	0.9999763851
CD160	-1.435564605	0.4659176213	0.9999763851
RNF115	1.3555294217	0.1142880866	0.9999763851
POLR3C	1.315789257	0.2645690455	0.9999763851
NUDT17	-1.4308433661	0.1249730051	0.9999763851
ANKRD35	1.0424794224	0.8550773258	0.9999763851
ITGA10	0	0	0
PEX11B	1.6273535305	0.0377111398	0.9999763851
RBM8A	1.0422702584	0.7451489387	0.9999763851
LIX1L	-1.2426114623	0.2366273813	0.9999763851
POLR3GL	-1.490738166	0.1044646868	0.9999763851
ANKRD34A	2.34099053	0.4001141468	0.9999763851
TXNIP	-1.1741521134	0.5096025456	0.9999763851
NBPF10	1.2867653957	0.8302601326	0.9999763851
NOTCH2NL	-1.3155492632	0.8262133195	0.9999763851
LOC105371242	-4.2864494036	0.4027150576	0.9999763851
NBPF12	-1.7851710282	0.1761059492	0.9999763851
PRKAB2	-2.2729676677	0.0319256079	0.9999763851
CHD1L	1.0718297596	0.6339408405	0.9999763851
BCL9	1.1246242259	0.7969567034	0.9999763851
GPR89B	-1.1153704227	0.7073520298	0.9999763851
NBPF11	1.1272587345	0.6884538008	0.9999763851
PPIAL4G	3.9290176215	0.1118265154	0.9999763851
NBPF14	-1.1641941032	0.3600061734	0.9999763851
LOC100996763	-1.1271073854	0.7416745505	0.9999763851
LOC100996517	42.193091832	0.05359176	0.9999763851
PDE4DIP	-1.3788695055	0.3876950863	0.9999763851
NBPF9	-1.2506571049	0.8039287911	0.9999763851
LOC100996716	1.2117822176	0.6110682655	0.9999763851

gene_expression_table

LOC653513	-4.3331566429	0.1395575407	0.9999763851
LOC100996717	-1.44239004	0.2668790172	0.9999763851
NBPF19	1.9447930831	0.1563583428	0.9999763851
PPIAL4C	0	0	0
FCGR1A	1.0527400853	0.857589463	0.9999763851
HIST2H2BF	-4.3424739515	0.0811973008	0.9999763851
HIST2H3D	-1.3161718537	0.8277563775	0.9999763851
HIST2H4A	1.813344484	0.5819964267	0.9999763851
HIST2H3C	-2.3220580825	0.4429616903	0.9999763851
HIST2H2AA3	1.0909116947	0.8271879995	0.9999763851
HIST2H2AA4	1.2747271793	0.5556263711	0.9999763851
HIST2H3A	-3.3292136073	0.2382175538	0.9999763851
HIST2H4B	-1.5918873484	0.6446118987	0.9999763851
HIST2H2BE	1.6366750224	0.4805828117	0.9999763851
HIST2H2AC	1.5954768462	0.4014275276	0.9999763851
HIST2H2AB	1.2874012553	0.8192055827	0.9999763851
BOLA1	1.4570229755	0.4933567456	0.9999763851
SF3B4	1.2617130229	0.2401744871	0.9999763851
MTMR11	-1.6467400147	0.4408765834	0.9999763851
OTUD7B	-2.4486332546	0.1552205728	0.9999763851
VPS45	-1.0198978496	0.9515542242	0.9999763851
PLEKHO1	-1.0619217124	0.7465447405	0.9999763851
ANP32E	1.0521507098	0.7054046205	0.9999763851
CA14	1.6062903958	0.6466460568	0.9999763851
APH1A	-1.1977140902	0.2076445163	0.9999763851
C1orf54	-17.4061108707	0.0751382059	0.9999763851
CIART	-7.5647903763	0.2176246281	0.9999763851
MRPS21	1.0460951848	0.7857895266	0.9999763851
PRPF3	-1.0147482064	0.938560045	0.9999763851
RPRD2	-1.3757368245	0.0530965646	0.9999763851
TARS2	-1.3060327519	0.4337745949	0.9999763851
ECM1	-1.4251442267	0.5941988919	0.9999763851
ADAMTSL4	-7.5622178268	0.2177145568	0.9999763851
LOC107983947	0	0	0
MCL1	-1.1177766841	0.3855973826	0.9999763851
ENSA	1.0866647576	0.587518744	0.9999763851
GOLPH3L	1.2236057104	0.3715179841	0.9999763851
CTSS	-1.3930122343	0.1940977269	0.9999763851
CTSK	1.5508263305	0.5741530212	0.9999763851
ARNT	-1.8420317982	0.008088	0.9999763851
SETDB1	-1.4704594162	0.0580222203	0.9999763851
CERS2	-1.4511143597	0.1470051795	0.9999763851
ANXA9	1.624741281	0.5901758802	0.9999763851
FAM63A	-1.2032443692	0.74471745	0.9999763851
PRUNE	-1.24957653	0.2427886769	0.9999763851
BNIP1	-2.3220580825	0.4412254448	0.9999763851
C1orf56	-1.0011870397	0.9936264848	0.9999763851
CDC42SE1	-1.3730016089	0.2290611368	0.9999763851
MLLT11	3.2356557963	0.5547505991	0.9999763851

gene_expression_table

GABPB2	-1.0131874908	0.9474173243	0.9999763851
SEMA6C	-2.5519849925	0.366972053	0.9999763851
LYSMD1	-2.388225611	0.2016075703	0.9999763851
TNFAIP8L2	-1.2303481196	0.7580222184	0.9999763851
TNFAIP8L2-SCNM1	0	0	0
SCNM1	1.151571266	0.4685611914	0.9999763851
TMOD4	9.9619682616	0.2312959428	0.9999763851
VPS72	1.0138573928	0.9294384901	0.9999763851
PIP5K1A	-1.3872536611	0.1473567212	0.9999763851
PSMD4	1.0324928049	0.8358314618	0.9999763851
ZNF687	-1.4504358563	0.1594826336	0.9999763851
PI4KB	1.2897562968	0.2204211482	0.9999763851
RFX5	1.3230819179	0.2680304145	0.9999763851
SELENBP1	0	0	0
PSMB4	1.2120455538	0.1878660556	0.9999763851
POGZ	-1.2269093491	0.282728933	0.9999763851
CGN	-5.3414526768	0.0966968323	0.9999763851
TUFT1	-1.1088558938	0.8900763784	0.9999763851
SNX27	1.2812339433	0.2137679447	0.9999763851
CELF3	0	0	0
MRPL9	-1.2148020154	0.2439102425	0.9999763851
OAZ3	3.2353357581	0.554787377	0.9999763851
TDRKH	1.3707143557	0.4404910355	0.9999763851
RORC	0	0	0
THEM5	0	0	0
THEM4	1.1048224175	0.5912607219	0.9999763851
S100A10	1.0349587196	0.8665300516	0.9999763851
S100A11	1.0782019856	0.6133634613	0.9999763851
TCHH	3.7682243222	0.2257640701	0.9999763851
FLG	0	0	0
PGLYRP4	-2.5611869689	0.2935474297	0.9999763851
S100A9	1.1849574673	0.2771293344	0.9999763851
S100A12	-4.2849908816	0.4028453076	0.9999763851
S100A8	-1.0498598655	0.8034566104	0.9999763851
S100A6	-1.1009403755	0.4437381118	0.9999763851
S100A5	0	0	0
S100A4	-1.0587914147	0.6480528822	0.9999763851
S100A3	0	0	0
S100A2	1.0956757311	0.8956196498	0.9999763851
S100A16	5.4781708352	0.3745527127	0.9999763851
S100A13	1.0987760401	0.8356121536	0.9999763851
S100A1	4.6902702261	0.1352949237	0.9999763851
CHTOP	1.360206339	0.0327114551	0.9999763851
SNAPIN	-1.1655260263	0.3318378667	0.9999763851
ILF2	1.0443466865	0.7883855495	0.9999763851
INTS3	-1.7727038833	0.275983452	0.9999763851
SLC27A3	1.059382013	0.8733050322	0.9999763851
GATAD2B	-1.0441594867	0.7905859451	0.9999763851
DENND4B	-1.081161521	0.72225433	0.9999763851

gene_expression_table

CRTC2	2.0582329403	0.1817524752	0.9999763851
SLC39A1	-1.1296923632	0.5507989956	0.9999763851
CREB3L4	-1.299823342	0.5266325284	0.9999763851
JTB	-1.0307804305	0.8084407147	0.9999763851
RAB13	-1.3410807493	0.1992601122	0.9999763851
RPS27	1.2816087907	0.0579259837	0.9999763851
NUP210L	-2.1357363271	0.00456	0.9999763851
TPM3	1.0410958636	0.7381717874	0.9999763851
C1orf189	0	0	0
C1orf43	-1.0180047575	0.8983178138	0.9999763851
UBAP2L	-1.0001601104	0.9992219996	0.9999763851
HAX1	1.1334518983	0.410724924	0.9999763851
ATP8B2	-1.3979355019	0.2824956428	0.9999763851
IL6R	-1.150599819	0.3026044363	0.9999763851
SHE	2.3389220976	0.0332783348	0.9999763851
TDRD10	-4.2864494036	0.4027150576	0.9999763851
UBE2Q1	1.2723874063	0.1608155356	0.9999763851
CHRNA2	0	0	0
ADAR	1.1469920068	0.3130373548	0.9999763851
KCNN3	-1.3158816768	0.8203229797	0.9999763851
PMVK	-1.1767724419	0.2540503034	0.9999763851
PBXIP1	-1.8284886844	0.0134326638	0.9999763851
PYGO2	1.2089373577	0.4224194502	0.9999763851
LOC101928120	1.2033560084	0.4308440614	0.9999763851
SHC1	1.4565287385	0.4871473964	0.9999763851
CKS1B	-1.1445129826	0.3343695485	0.9999763851
FLAD1	1.1811669064	0.3552341173	0.9999763851
ZBTB7B	-1.0803368274	0.7999695782	0.9999763851
DCST2	-4.287394647	0.4026306792	0.9999763851
DCST1	1.9253836052	0.2060004179	0.9999763851
ADAM15	1.1348667598	0.4333609897	0.9999763851
EFNA4	-1.3667385249	0.4315127815	0.9999763851
EFNA3	1.2454645608	0.6986114833	0.9999763851
EFNA1	1.2808976007	0.7495758492	0.9999763851
SLC50A1	1.0921361189	0.6617028498	0.9999763851
DPM3	-1.0946344766	0.577172513	0.9999763851
KRTCAP2	-1.0063815542	0.9639357508	0.9999763851
TRIM46	2.8674942058	0.3052941215	0.9999763851
MUC1	-1.1593995914	0.7091879533	0.9999763851
THBS3	-3.1528628322	0.2026298137	0.9999763851
MTX1	-1.1399972765	0.4987001827	0.9999763851
GBA	1.097511022	0.7704556429	0.9999763851
FAM189B	1.2719719588	0.4841774416	0.9999763851
SCAMP3	1.0350486681	0.835797729	0.9999763851
CLK2	1.2166669437	0.4445591562	0.9999763851
HCN3	2.2215959932	0.3502437171	0.9999763851
FDPS	-1.0051346616	0.9778254532	0.9999763851
RUSC1-AS1	1.3934050331	0.0665473821	0.9999763851
RUSC1	1.1553988663	0.6157186158	0.9999763851

gene_expression_table

ASH1L	-1.1759361663	0.3699420076	0.9999763851
MSTO1	1.0515966867	0.7872245284	0.9999763851
YY1AP1	1.1987507809	0.2208076114	0.9999763851
DAP3	-1.070187162	0.6541279283	0.9999763851
GON4L	-1.2174335513	0.4677682675	0.9999763851
SYT11	-1.3715126673	0.7510413575	0.9999763851
RIT1	-1.0061298774	0.9795546526	0.9999763851
KIAA0907	-1.0617987621	0.7752451873	0.9999763851
ARHGEF2	1.1198784675	0.5569123317	0.9999763851
SSR2	1.1258418768	0.3608695518	0.9999763851
UBQLN4	1.1093269548	0.7030113309	0.9999763851
LAMTOR2	-1.1606592508	0.3508997143	0.9999763851
MEX3A	-1.0545686913	0.9163560124	0.9999763851
LMNA	1.0306480629	0.8466898109	0.9999763851
SEMA4A	-1.640520605	0.1665268943	0.9999763851
SLC25A44	1.0632475349	0.7757036579	0.9999763851
PMF1	-1.1898802798	0.3906576286	0.9999763851
BGLAP	1.0276562285	0.9749720028	0.9999763851
PAQR6	1.2259289984	0.5874846482	0.9999763851
SMG5	1.1510937597	0.520984932	0.9999763851
TMEM79	1.6659695968	0.3787706685	0.9999763851
GLMP	-1.3181851579	0.2203204729	0.9999763851
CCT3	1.3798226018	0.0112582558	0.9999763851
TSACC	1.0281638254	0.9765136019	0.9999763851
C1orf61	-1.6468494889	0.4444559941	0.9999763851
MEF2D	-1.4108285042	0.0543069272	0.9999763851
IQGAP3	1.047488889	0.8870817548	0.9999763851
NAXE	1.1620797367	0.3044645567	0.9999763851
GPATCH4	-2.3023833833	0.1951728721	0.9999763851
HAPLN2	-2.3217011239	0.4357748964	0.9999763851
BCAN	-2.4281122475	0.277146081	0.9999763851
CRABP2	-2.2372730517	0.3099480393	0.9999763851
ISG20L2	-1.0927570266	0.6161501789	0.9999763851
RRNAD1	1.1457251594	0.6857144331	0.9999763851
MRPL24	1.0384978731	0.8207499167	0.9999763851
HDGF	1.0571650153	0.6440761861	0.9999763851
PRCC	-1.8059244363	0.0294598564	0.9999763851
SH2D2A	1.0499328592	0.8871855803	0.9999763851
NTRK1	0	0	0
PEAR1	7.7488609396	0.3055345795	0.9999763851
LRRC71	0	0	0
ARHGEF11	1.6241172672	0.5986866126	0.9999763851
ETV3	-1.0177490021	0.9686309973	0.9999763851
FCRL2	0	0	0
FCRL1	0	0	0
CD1D	1.5499082437	0.5571928434	0.9999763851
CD1A	12.2062282412	0.1875343457	0.9999763851
CD1B	3.2356557963	0.5547505991	0.9999763851
CD1C	-2.3401094535	0.2613324175	0.9999763851

gene_expression_table

SPTA1	3.2356557963	0.5547505991	0.9999763851
MNDA	1.0011503061	0.9943464011	0.9999763851
PYHIN1	1.5573674027	0.4354502129	0.9999763851
IFI16	-1.0780941428	0.6423337524	0.9999763851
AIM2	-3.1438286037	0.1493990602	0.9999763851
DUSP23	1.2206979703	0.3209792572	0.9999763851
FCRL6	0	0	0
SLAMF8	-1.946482244	0.1341665652	0.9999763851
C1orf204	5.4770877341	0.3746135179	0.9999763851
VSIG8	3.2356557963	0.5547505991	0.9999763851
TAGLN2	1.0591641584	0.6981495535	0.9999763851
SLAMF9	0	0	0
PIGM	1.0142445777	0.94067109	0.9999763851
IGSF8	1.2115524546	0.6553109416	0.9999763851
CASQ1	3.2353357581	0.554787377	0.9999763851
PEA15	1.2817772252	0.2703759705	0.9999763851
DCAF8	-1.0928480136	0.5933599548	0.9999763851
PEX19	1.232474398	0.3653255314	0.9999763851
COPA	-1.0516051792	0.7582572358	0.9999763851
NCSTN	1.0572259099	0.8328655425	0.9999763851
NHLH1	-1.5918873484	0.6448733186	0.9999763851
CD84	0	0	0
SLAMF1	3.2353357581	0.554787377	0.9999763851
CD48	1.1665406493	0.6052866289	0.9999763851
SLAMF7	-3.7496649203	0.1128297175	0.9999763851
LY9	1.3261442362	0.7480478279	0.9999763851
CD244	-1.2733695535	0.3533546471	0.9999763851
ITLN1	-4.2849908816	0.4028453076	0.9999763851
F11R	1.0177856078	0.9165515984	0.9999763851
TSTD1	-4.2849908816	0.4028453076	0.9999763851
USF1	-1.3158816768	0.8203229797	0.9999763851
ARHGAP30	-1.2819455835	0.1303717753	0.9999763851
NECTIN4	0	0	0
PFDN2	-1.2105738492	0.196330021	0.9999763851
NIT1	-1.0667169133	0.7941114271	0.9999763851
DEDD	0	0	0
UFC1	1.0070992749	0.9643749311	0.9999763851
USP21	-1.2460931847	0.7218799605	0.9999763851
PPOX	-1.3047889611	0.2980399979	0.9999763851
B4GALT3	-1.0561811682	0.8875509022	0.9999763851
ADAMTS4	0	0	0
NDUFS2	-1.4961899163	0.002888	0.9999763851
FCER1G	-1.8635681125	0.002735	0.9999763851
TOMM40L	2.7543183162	0.001166	0.8594669785
NR1I3	-4.2939733029	0.005433	0.9999763851
PCP4L1	1.325955166	0.7487022553	0.9999763851
MPZ	1.433664499	0.1228399261	0.9999763851
SDHC	-1.0125083909	0.9257897888	0.9999763851
CFAP126	-4.2849908816	0.4028453076	0.9999763851

gene_expression_table

FCGR2A	-1.1998575617	0.4876434681	0.9999763851
HSPA6	-2.4817290922	0.1994228953	0.9999763851
FCGR3A	-4.0107040788	0.1999292346	0.9999763851
FCGR3B	3.2356557963	0.5547505991	0.9999763851
FCGR2B	-2.8046993736	0.044452776	0.9999763851
FCRLA	-5.7462213657	0.0147566938	0.9999763851
FCRLB	-2.06934004	0.1151622813	0.9999763851
DUSP12	1.0872914566	0.6643265468	0.9999763851
ATF6	-1.5448398882	0.1334097308	0.9999763851
OLFML2B	-1.3154339304	0.8205576571	0.9999763851
NOS1AP	1.0002576586	0.9997940268	0.9999763851
C1orf226	-7.5622178268	0.2177145568	0.9999763851
UHMK1	1.0363787593	0.8783556344	0.9999763851
UAP1	-1.3128199543	0.376621597	0.9999763851
RGS5	-1.0196127275	0.9752972769	0.9999763851
NUF2	-1.0104977114	0.9533214524	0.9999763851
RXRG	0	0	0
MGST3	-1.449187843	0.005327	0.9999763851
ALDH9A1	1.3886283382	0.0249627168	0.9999763851
TMCO1	1.2002852189	0.1950250832	0.9999763851
UCK2	-1.1715683759	0.3128621271	0.9999763851
FAM78B	-4.2864494036	0.4027150576	0.9999763851
POGK	1.1026165978	0.6048159013	0.9999763851
TADA1	1.1316554702	0.5781979615	0.9999763851
POU2F1	-1.3770720542	0.0902995786	0.9999763851
CD247	-1.406657056	0.6694280141	0.9999763851
CREG1	-1.0427441967	0.8341435116	0.9999763851
RCSD1	1.1007389606	0.5145787712	0.9999763851
MPZL1	-1.0634584883	0.7392593604	0.9999763851
ADCY10	-3.1534488363	0.1717799846	0.9999763851
MPC2	1.0512709282	0.7314038067	0.9999763851
DCAF6	-1.219777617	0.2267813009	0.9999763851
GPR161	-4.2849908816	0.4028453076	0.9999763851
TIPRL	-1.1209102894	0.4175596054	0.9999763851
SFT2D2	2.0141755765	0.1774053269	0.9999763851
TBX19	-3.9223203142	0.0711702913	0.9999763851
ATP1B1	1.2499200512	0.6597977783	0.9999763851
NME7	-1.4810140327	0.3352740582	0.9999763851
BLZF1	1.032823483	0.9442529827	0.9999763851
CCDC181	0	0	0
SLC19A2	1.0889112855	0.9196655925	0.9999763851
SELL	2.6282277398	0.1112294005	0.9999763851
METTL18	-1.4285462622	0.5393339392	0.9999763851
C1orf112	1.298994176	0.1781216973	0.9999763851
SCYL3	-2.2601303969	0.0751994704	0.9999763851
KIFAP3	1.348590037	0.4348126546	0.9999763851
GORAB	-1.2380211518	0.6426875883	0.9999763851
PRRX1	0	0	0
FMO2	0	0	0

gene_expression_table

FMO1	-1.1235515614	0.8524922458	0.9999763851
FMO4	-1.1815471621	0.2524743197	0.9999763851
PRRC2C	1.0879156039	0.5129525653	0.9999763851
MYOC	3.2353357581	0.554787377	0.9999763851
VAMP4	-1.5458910777	0.2129737492	0.9999763851
METTL13	1.3189756584	0.1672034303	0.9999763851
DNM3	-1.0535819566	0.9017469924	0.9999763851
C1orf105	1.3254881051	0.7679649235	0.9999763851
PIGC	-1.5811033866	0.0388202535	0.9999763851
SUCO	1.0448720241	0.8193921626	0.9999763851
FASLG	3.2353357581	0.554787377	0.9999763851
TNFSF4	1.696196843	0.2721274453	0.9999763851
PRDX6	1.0749207081	0.6117682336	0.9999763851
LOC730159	0	0	0
ANKRD45	7.7488609396	0.3056154965	0.9999763851
KLHL20	-1.1216698915	0.6558540889	0.9999763851
CENPL	-1.1689979606	0.5412170814	0.9999763851
DARS2	1.3459980149	0.1412117905	0.9999763851
ZBTB37	1.0281638254	0.9765424521	0.9999763851
RC3H1	-1.2068734287	0.4474521286	0.9999763851
RABGAP1L	-1.411561274	0.1277954236	0.9999763851
CACYBP	1.0778622106	0.5398075088	0.9999763851
MRPS14	-1.0961453291	0.5570606017	0.9999763851
TNN	-1.5049537523	0.0711845732	0.9999763851
TNR	4.9725786265	0.1100739501	0.9999763851
RFWD2	-1.0847246266	0.7091649829	0.9999763851
PAPPA2	0	0	0
SEC16B	0	0	0
RASAL2	-1.3290629654	0.5483041713	0.9999763851
LINC00083	0	0	0
RALGPS2	-1.5504730795	0.2468906418	0.9999763851
FAM20B	1.0859065772	0.6795751696	0.9999763851
TOR3A	-1.2128092255	0.2217872839	0.9999763851
ABL2	-1.4286184811	0.0886931974	0.9999763851
SOAT1	1.0701273451	0.7836750489	0.9999763851
AXDND1	5.4790129495	0.3751913962	0.9999763851
FAM163A	0	0	0
TOR1AIP2	1.2808915888	0.1280935883	0.9999763851
TOR1AIP1	1.0819500062	0.6996881387	0.9999763851
CEP350	-1.1621534905	0.4027792184	0.9999763851
QSOX1	-1.1759727425	0.2117954646	0.9999763851
LHX4	-2.0108457684	0.4190952835	0.9999763851
ACBD6	1.1477221495	0.4222962398	0.9999763851
XPR1	1.5655091706	0.0757111	0.9999763851
KIAA1614	-1.598713419	0.5554914697	0.9999763851
STX6	-1.4493760166	0.0545227574	0.9999763851
MR1	1.1839036608	0.5809118468	0.9999763851
IER5	-1.1867712704	0.2349762053	0.9999763851
CACNA1E	0	0	0

gene_expression_table

ZNF648	3.2353357581	0.554787377	0.9999763851
GLUL	-1.1103304053	0.5250161469	0.9999763851
RGSL1	0	0	0
RNASEL	-1.000061298	0.999862539	0.9999763851
RGS16	-2.6933726902	1.80E-05	0.0402963288
NPL	1.9244931186	0.0831740148	0.9999763851
DHX9	1.3773725349	0.110261246	0.9999763851
SHCBP1L	1.3417088146	0.6972953714	0.9999763851
LAMC1	-1.5078702112	0.0613848314	0.9999763851
LAMC2	3.2353357581	0.554787377	0.9999763851
NMNAT2	15.5019390839	0.162998722	0.9999763851
SMG7	-1.0623036171	0.6570357744	0.9999763851
NCF2	-2.1541375242	0.018365499	0.9999763851
ARPC5	-1.0265235593	0.8404490161	0.9999763851
RGL1	4.1545939766	0.1790719693	0.9999763851
COLGALT2	1.4381534126	0.433731487	0.9999763851
TSEN15	-1.2188813587	0.2995574386	0.9999763851
C1orf21	-1.7456384649	0.0007429	0.6510516988
EDEM3	1.1575905138	0.3971292374	0.9999763851
FAM129A	1.1675930346	0.3403237227	0.9999763851
RNF2	1.4201559333	0.1265199169	0.9999763851
TRMT1L	-1.2581748746	0.1239985224	0.9999763851
SWT1	1.0788104453	0.8830712373	0.9999763851
IVNS1ABP	1.1180427667	0.4399408406	0.9999763851
HMCN1	0	0	0
PRG4	-1.1445217789	0.6113903606	0.9999763851
TPR	-1.0272553864	0.872898569	0.9999763851
C1orf27	1.6366304021	0.0990731554	0.9999763851
PTGS2	-2.9315971648	0.0345590853	0.9999763851
PLA2G4A	-1.4138717488	0.1831602796	0.9999763851
RGS18	1.2625516817	0.2781151034	0.9999763851
RGS1	-1.5972028858	0.2288061555	0.9999763851
RGS13	0	0	0
RGS2	-1.9501691009	0.3588530544	0.9999763851
UCHL5	1.1626307567	0.3017458324	0.9999763851
TROVE2	1.0575460082	0.735311562	0.9999763851
GLRX2	1.2778100101	0.2450076348	0.9999763851
CDC73	1.2602792118	0.2668129261	0.9999763851
CFHR4	0	0	0
ASPM	-1.0838321223	0.7015612959	0.9999763851
ZBTB41	-1.414852501	0.6315218082	0.9999763851
CRB1	0	0	0
DENND1B	1.1291582731	0.662256638	0.9999763851
C1orf53	2.631623025	0.1149645872	0.9999763851
NEK7	1.1004396935	0.7364959663	0.9999763851
PTPRC	-1.3626087866	0.0458200668	0.9999763851
ZNF281	-1.1272112548	0.4769125955	0.9999763851
KIF14	1.2534434094	0.1568403366	0.9999763851
DDX59	1.2490800189	0.7079294704	0.9999763851

gene_expression_table

CAMSAP2	-2.5419532854	0.054070927	0.9999763851
C1orf106	1.168655229	0.4892841527	0.9999763851
KIF21B	1.4156601674	0.0765734249	0.9999763851
CACNA1S	-4.2864494036	0.4027150576	0.9999763851
ASCL5	0	0	0
TMEM9	-1.168852567	0.3973565477	0.9999763851
LAD1	0	0	0
PHLDA3	1.2869488883	0.8189667132	0.9999763851
CSRP1	1.2798555106	0.2331649683	0.9999763851
LOC107985246	2.3401939765	0.4037104303	0.9999763851
NAV1	1.0955803262	0.6516967525	0.9999763851
IPO9	1.2396492614	0.1955247659	0.9999763851
SHISA4	-4.3365422435	0.1769061646	0.9999763851
LMOD1	-3.3280817062	0.2437290808	0.9999763851
TIMM17A	1.1058392345	0.4994751163	0.9999763851
RNPEP	1.0797245704	0.6534081615	0.9999763851
ELF3	3.2356557963	0.5547505991	0.9999763851
GPR37L1	0	0	0
ARL8A	-1.2431881205	0.1153912965	0.9999763851
PTPN7	-1.0502172995	0.7607465022	0.9999763851
LGR6	0	0	0
UBE2T	1.0967698139	0.5804527335	0.9999763851
PPP1R12B	1.1488737757	0.2706204971	0.9999763851
SYT2	1.0276562285	0.9749568208	0.9999763851
KDM5B	1.0426538087	0.7704619553	0.9999763851
RABIF	1.079866816	0.7200055693	0.9999763851
KLHL12	-1.0920485491	0.6398074437	0.9999763851
ADIPOR1	-1.0452420823	0.8556728463	0.9999763851
CYB5R1	-1.0359668383	0.931906619	0.9999763851
TMEM183A	1.1142324753	0.5983817408	0.9999763851
PPFIA4	-1.1483163584	0.8581191922	0.9999763851
MYBPH	2.8663267584	0.3071313305	0.9999763851
CHI3L1	-1.1902618325	0.2920722028	0.9999763851
CHIT1	-10.7999546676	0.0001991	0.2613243706
BTG2	-1.4483197087	0.2851760483	0.9999763851
ATP2B4	1.2449335534	0.1832625618	0.9999763851
LAX1	2.2088270228	0.002833	0.9999763851
ZC3H11A	1.0081972115	0.9608644287	0.9999763851
ZBED6	-1.256908463	0.7027795348	0.9999763851
SNRPE	1.1537080499	0.2768452146	0.9999763851
SOX13	-4.9419266265	0.0417233463	0.9999763851
ETNK2	0	0	0
REN	3.2361532718	0.5546934395	0.9999763851
PLEKHA6	1.624741281	0.5898390997	0.9999763851
PPP1R15B	-1.0839517004	0.6690937	0.9999763851
PIK3C2B	1.6764913239	0.0078	0.9999763851
MDM4	-1.0010211801	0.9958483063	0.9999763851
LRRN2	0	0	0
NFASC	3.2353357581	0.554787377	0.9999763851

gene_expression_table

TMEM81	-1.9665380586	0.4647627012	0.9999763851
RBBP5	1.1516433606	0.4775540633	0.9999763851
DSTYK	-1.2350002556	0.2638177343	0.9999763851
TMCC2	-1.4448633361	0.31005423	0.9999763851
KLHDC8A	-1.6419444001	0.001779	0.9999763851
LEMD1	0	0	0
CDK18	-1.7346410473	0.4883019977	0.9999763851
MFSD4A	1.1334347738	0.8813011476	0.9999763851
ELK4	-1.1313222959	0.6971522345	0.9999763851
SLC45A3	-1.2014834037	0.5249356123	0.9999763851
NUCKS1	1.0288183624	0.8124869535	0.9999763851
RAB29	1.0553415902	0.7752434901	0.9999763851
SLC41A1	1.1427311309	0.5814567219	0.9999763851
PM20D1	4.3099016468	0.231928679	0.9999763851
SLC26A9	1.0614829508	0.7341409358	0.9999763851
RAB7B	-1.5319719579	0.147279759	0.9999763851
C1orf186	-2.0614985279	0.2954510093	0.9999763851
FAM72A	-1.4595440907	0.6537626087	0.9999763851
SRGAP2	-1.0409909061	0.8175823864	0.9999763851
IKBKE	1.1962459603	0.3316463109	0.9999763851
RASSF5	-1.2064303847	0.6510917841	0.9999763851
EIF2D	-1.0163651427	0.9038504193	0.9999763851
DYRK3	-1.0577757904	0.8009561548	0.9999763851
MAPKAPK2	-1.0605113394	0.673189447	0.9999763851
IL10	-3.3284109188	0.2423554398	0.9999763851
IL19	2.3406309168	0.4060494981	0.9999763851
IL24	-1.2301452062	0.7476243508	0.9999763851
FCMR	1.3952230027	0.1116801928	0.9999763851
PIGR	-7.5647903763	0.2176246281	0.9999763851
YOD1	1.5501101194	0.1555917508	0.9999763851
CD55	-1.3081529372	0.2536038116	0.9999763851
CR1	-1.071695521	0.8570760425	0.9999763851
CD46	1.1512012964	0.4145784119	0.9999763851
CD34	0	0	0
LOC105372883	0	0	0
PLXNA2	-4.2849908816	0.4028453076	0.9999763851
LAMB3	-1.4391263345	0.6925824661	0.9999763851
HSD11B1	0	0	0
TRAF3IP3	-1.4304387769	0.48482272	0.9999763851
C1orf74	-1.0118087356	0.9460965592	0.9999763851
DIEXF	1.6305411606	0.1130488079	0.9999763851
SYT14	0	0	0
HHAT	-2.11701454	0.1724029672	0.9999763851
RCOR3	1.0463504491	0.837460115	0.9999763851
TRAF5	2.3883691069	0.0442017374	0.9999763851
SLC30A1	-1.7201161798	0.1914105944	0.9999763851
NEK2	-1.4315960423	0.1010601875	0.9999763851
LPGAT1	-1.3132800332	0.1155179091	0.9999763851
INTS7	1.618255245	0.0299742801	0.9999763851

gene_expression_table

DTL	1.024994917	0.8589823777	0.9999763851
PPP2R5A	1.056946182	0.6926406858	0.9999763851
TMEM206	1.2467177837	0.4633648067	0.9999763851
NENF	1.0730706436	0.637505344	0.9999763851
ATF3	-2.1966220146	0.0637902335	0.9999763851
BATF3	1.6979164668	0.1449685579	0.9999763851
NSL1	-1.0778368634	0.7259114948	0.9999763851
TATDN3	1.2217548231	0.4880921233	0.9999763851
FLVCR1	1.0114994304	0.9555864417	0.9999763851
VASH2	1.2872739558	0.8232731242	0.9999763851
ANGEL2	1.0213697067	0.9414633104	0.9999763851
RPS6KC1	1.1429294821	0.7794310758	0.9999763851
PROX1	0	0	0
SMYD2	-1.5649573985	0.0186269288	0.9999763851
PTPN14	1.3280268994	0.7331737794	0.9999763851
CENPF	1.1141466881	0.4020519802	0.9999763851
KCTD3	-1.4872814561	0.2268210138	0.9999763851
USH2A	-4.2864494036	0.4027150576	0.9999763851
ESRRG	3.2356557963	0.5547505991	0.9999763851
GPATCH2	-1.2258173831	0.4615179634	0.9999763851
SPATA17	3.2353357581	0.554787377	0.9999763851
RRP15	1.1767648256	0.4291484025	0.9999763851
TGFB2	-1.3713018672	0.7312784555	0.9999763851
LYPLAL1	1.0106720339	0.9645302671	0.9999763851
SLC30A10	0	0	0
EPRS	1.2169531166	0.1671111236	0.9999763851
BPNT1	1.1279574795	0.6134933238	0.9999763851
IARS2	-1.2337935557	0.2374234932	0.9999763851
RAB3GAP2	1.1982468803	0.2362284553	0.9999763851
MARK1	1.0275312208	0.9771806264	0.9999763851
MARC1	0	0	0
HLX	1.0925602859	0.6794112757	0.9999763851
DUSP10	-1.7332721092	0.4770374529	0.9999763851
HHIPL2	3.2353357581	0.554787377	0.9999763851
TAF1A	1.2432181721	0.5174690828	0.9999763851
MIA3	1.2906152316	0.2851097062	0.9999763851
AIDA	1.118693876	0.5014806366	0.9999763851
BROX	1.0200402595	0.9326223815	0.9999763851
FAM177B	5.4781708352	0.3745527127	0.9999763851
DISP1	-1.6891760355	0.1459623624	0.9999763851
CAPN2	1.5024948974	0.009317	0.9999763851
TP53BP2	-1.0408820879	0.8140846113	0.9999763851
LOC107985330	-1.0852711617	0.9285760414	0.9999763851
FBXO28	1.1548797206	0.4949216235	0.9999763851
DEGS1	1.6004476434	0.0388445229	0.9999763851
NVL	-1.1411080156	0.5927089375	0.9999763851
CNIH4	1.1753729208	0.2677476371	0.9999763851
WDR26	1.0915398418	0.6214804081	0.9999763851
CNIH3	-1.6429934142	0.0649179273	0.9999763851

gene_expression_table

DNAH14	-1.0264930697	0.9336981446	0.9999763851
LBR	1.0217827645	0.8619584671	0.9999763851
ENAH	1.1681948128	0.6628724957	0.9999763851
SRP9	1.3828532625	0.0908672978	0.9999763851
EPHX1	-1.1149875749	0.6500373451	0.9999763851
TMEM63A	-1.7141788209	0.071758446	0.9999763851
PYCR2	1.1743207251	0.3006305166	0.9999763851
SDE2	-1.0882525933	0.7137821784	0.9999763851
H3F3A	1.1165098578	0.3493484825	0.9999763851
ACBD3	-1.4223894497	0.0250536071	0.9999763851
LIN9	1.0710612774	0.7613163191	0.9999763851
PARP1	-1.3548878514	0.0452081041	0.9999763851
ITPKB	1.7186508518	0.0917581235	0.9999763851
PSEN2	1.1278326735	0.5789056635	0.9999763851
ADCK3	1.0584649725	0.6882782063	0.9999763851
CDC42BPA	-1.8158058555	0.4784760064	0.9999763851
ZNF678	0	0	0
SNAP47	1.3589559912	0.1813217562	0.9999763851
JMJD4	1.06300796	0.8123367972	0.9999763851
PRSS38	0	0	0
LOC107985355	0	0	0
WNT3A	0	0	0
ARF1	1.0929279738	0.4959848822	0.9999763851
C1orf35	1.1098589773	0.6114560887	0.9999763851
MRPL55	1.2718929491	0.1934389216	0.9999763851
GUK1	-1.0018643492	0.9900826968	0.9999763851
GJC2	3.2353357581	0.554787377	0.9999763851
IBA57	1.6947657343	0.2800415757	0.9999763851
OBSCN	1.3583735382	0.598178681	0.9999763851
LOC101927401	1.8145193361	0.579007064	0.9999763851
TRIM11	-1.058196852	0.7068371326	0.9999763851
TRIM17	-7.5647903763	0.2176246281	0.9999763851
HIST3H2A	0	0	0
RNF187	1.1158267107	0.4320846438	0.9999763851
BTNL10	-1.7347162507	0.4694691399	0.9999763851
RHOU	1.4234022233	0.0182922463	0.9999763851
LOC105373132	-3.3750646091	0.0271745729	0.9999763851
RAB4A	-1.1029128504	0.578361165	0.9999763851
SPHAR	1.0383925775	0.9074925649	0.9999763851
CCSAP	-1.2037347462	0.3477775283	0.9999763851
ACTA1	0	0	0
NUP133	1.2140038275	0.2090820467	0.9999763851
ABCB10	1.1992225944	0.3934831978	0.9999763851
TAF5L	1.6091859184	0.0820436865	0.9999763851
URB2	-1.2079157725	0.4573281787	0.9999763851
GALNT2	1.1570605444	0.3201250166	0.9999763851
PGBD5	-1.4414448586	0.3384827533	0.9999763851
COG2	1.2289912372	0.3887726781	0.9999763851
CAPN9	0	0	0

gene_expression_table

C1orf198	1.0573262353	0.7991512635	0.9999763851
TTC13	-2.9617156352	0.0160361979	0.9999763851
ARV1	1.414230029	0.1191092526	0.9999763851
FAM89A	1.3163089146	0.2760554353	0.9999763851
TRIM67	0	0	0
C1orf131	1.1569822016	0.4248689219	0.9999763851
GNPAT	1.2681250064	0.1928786541	0.9999763851
EXOC8	1.4595704504	0.1210403826	0.9999763851
SPRTN	1.2380260214	0.394735285	0.9999763851
EGLN1	-1.072455917	0.7666156583	0.9999763851
TSNAX	-1.1774992262	0.2699754598	0.9999763851
DISC1	-1.3306149506	0.2054468284	0.9999763851
SIPA1L2	1.5348527306	0.1388688108	0.9999763851
MAP10	1.2195107938	0.5649982765	0.9999763851
NTPCR	1.0592817209	0.8117393738	0.9999763851
PCNX2	1.3413311511	0.3632694601	0.9999763851
KIAA1804	-1.0829099927	0.862226659	0.9999763851
SLC35F3	2.5912551305	0.1773652625	0.9999763851
COA6	1.2994728289	0.1747938436	0.9999763851
TARBP1	-1.0236855949	0.9346355457	0.9999763851
IRF2BP2	-1.0979092043	0.4668852771	0.9999763851
TOMM20	-1.3073814928	0.0604089754	0.9999763851
RBM34	-1.3940363338	0.095976249	0.9999763851
ARID4B	-1.0221273458	0.9044635958	0.9999763851
GGPS1	1.4191432578	0.1669939237	0.9999763851
TBCE	-1.9671220856	0.0322880083	0.9999763851
B3GALNT2	-1.0814806951	0.5909540923	0.9999763851
GNG4	0	0	0
LYST	-1.0726706566	0.6693160007	0.9999763851
NID1	3.2356557963	0.5547505991	0.9999763851
GPR137B	-3.039585867	0.1308351339	0.9999763851
ERO1B	-2.300598904	0.0637079481	0.9999763851
EDARADD	1.3690402154	0.360362666	0.9999763851
LGALS8	-1.1066431886	0.5325778836	0.9999763851
HEATR1	-1.6266040895	0.1634986334	0.9999763851
ACTN2	0	0	0
MTR	1.0750887389	0.7516076956	0.9999763851
RYR2	1.577482471	0.4114816587	0.9999763851
CHRM3	1.0306913768	0.9663586235	0.9999763851
FMN2	-1.1305053662	0.8413969899	0.9999763851
RGS7	-1.2640353805	0.3011901278	0.9999763851
FH	-1.1660451657	0.4258885275	0.9999763851
KMO	1.695765772	0.4035122561	0.9999763851
OPN3	-1.266178856	0.252669258	0.9999763851
CHML	2.010067585	0.1553250476	0.9999763851
EXO1	1.0992796121	0.7054169536	0.9999763851
PLD5	0	0	0
CEP170	-1.3176287362	0.1607315415	0.9999763851
SDCCAG8	1.0600258414	0.7712726603	0.9999763851

gene_expression_table

AKT3	-1.222737104	0.5946752517	0.9999763851
ZBTB18	-1.0997549815	0.8019385282	0.9999763851
C1orf100	-1.3151016298	0.8209191532	0.9999763851
ADSS	-1.0787092763	0.6830259621	0.9999763851
C1orf101	1.3261589136	0.7392619172	0.9999763851
DESI2	1.0395005483	0.8599576227	0.9999763851
COX20	1.0330195	0.8794952146	0.9999763851
HNRNPU	1.0418939195	0.7263311312	0.9999763851
EFCAB2	-1.4258863983	0.1013598931	0.9999763851
KIF26B	-1.3124898922	0.6379235716	0.9999763851
SMYD3	-1.0379322718	0.791102053	0.9999763851
TFB2M	1.5576026172	0.0808448455	0.9999763851
CNST	1.0393581549	0.8869990845	0.9999763851
SCCPDH	-1.0031275293	0.9811424175	0.9999763851
AHCTF1	-1.2851628739	0.2145846429	0.9999763851
ZNF670	1.1912917425	0.4624319641	0.9999763851
ZNF669	-2.66053263	0.1881799047	0.9999763851
ZNF124	1.5543571304	0.0691458767	0.9999763851
ZNF496	-1.4157066625	0.6339385014	0.9999763851
LOC107985115	5.4781708352	0.3745527127	0.9999763851
NLRP3	-1.8121833565	0.0257981329	0.9999763851
GCSAML	0	0	0
TRIM58	1.3885242882	0.636859239	0.9999763851
OR2T8	0	0	0
OR2L13	0	0	0
SH3BP5L	1.1403516318	0.5034566375	0.9999763851
ZNF672	1.338613774	0.2727406526	0.9999763851
ZNF692	1.5269799671	0.4164224723	0.9999763851
PGBD2	-1.2571676518	0.7062574259	0.9999763851
SH3YL1	-1.6881725486	0.1959582488	0.9999763851
ACP1	1.0084972055	0.9546866715	0.9999763851
FAM150B	-19.2975026899	0.0747390423	0.9999763851
LOC101927262	1.432536289	0.7056197696	0.9999763851
TMEM18	1.0376183753	0.8441603075	0.9999763851
TPO	0	0	0
LOC102723730	0	0	0
PXDN	0	0	0
TSSC1	-1.189270716	0.3908551375	0.9999763851
TRAPPC12	1.0971314572	0.6775834857	0.9999763851
ADI1	1.0476070101	0.7454619571	0.9999763851
RNASEH1	1.4055190025	0.0443460047	0.9999763851
RPS7	1.0399635508	0.747004298	0.9999763851
COLEC11	1.6242600155	0.5622221146	0.9999763851
ALLC	0	0	0
CMPK2	-1.762719092	0.1891342668	0.9999763851
RSAD2	-5.3416241096	0.0827512079	0.9999763851
RNF144A	1.1237411547	0.5598252903	0.9999763851
ID2	1.0055770466	0.9672544026	0.9999763851
KIDINS220	-1.5874002138	0.0183525391	0.9999763851

gene_expression_table

MBOAT2	-4.2864494036	0.4027150576	0.9999763851
ITGB1BP1	1.4799748357	0.008451	0.9999763851
CPSF3	-1.0301695395	0.8472081564	0.9999763851
IAH1	1.2572725474	0.264329027	0.9999763851
ADAM17	-1.1245407305	0.4115700557	0.9999763851
YWHAQ	1.1596965101	0.2715541254	0.9999763851
TAF1B	1.0900979943	0.7426858041	0.9999763851
GRHL1	1.5500442495	0.5675474939	0.9999763851
KLF11	0	0	0
RRM2	1.1767022222	0.1921767341	0.9999763851
C2orf48	-1.0882443234	0.6920370257	0.9999763851
HPCAL1	-1.2012811567	0.1993491558	0.9999763851
ODC1	-1.0870956003	0.5514138426	0.9999763851
NOL10	-1.0538603756	0.7706399034	0.9999763851
ATP6V1C2	-2.3308983668	0.1742927847	0.9999763851
PDIA6	-1.098722879	0.4388309972	0.9999763851
C2orf50	0	0	0
PQLC3	-1.2498228987	0.3393359442	0.9999763851
ROCK2	-1.0501075553	0.7955645025	0.9999763851
E2F6	-1.081783891	0.654903945	0.9999763851
GREB1	1.1439155847	0.660903732	0.9999763851
LPIN1	1.2615875172	0.1462667779	0.9999763851
TRIB2	1.3527663374	0.0712842355	0.9999763851
NBAS	1.0262684822	0.9051213462	0.9999763851
DDX1	1.2602488997	0.1727901949	0.9999763851
FAM49A	-2.0639259657	0.0425306027	0.9999763851
RAD51AP2	3.2361532718	0.5546934395	0.9999763851
VSNL1	7.7488609396	0.3056963296	0.9999763851
SMC6	1.1060688479	0.6376889314	0.9999763851
GEN1	-1.1501165544	0.5895348389	0.9999763851
RDH14	-1.3489467621	0.2302414953	0.9999763851
NT5C1B-RDH14	0	0	0
TTC32	-1.438772044	0.4126556588	0.9999763851
LAPTM4A	-1.2838017296	0.0521825831	0.9999763851
PUM2	1.1236476402	0.4235149182	0.9999763851
LOC107985856	0	0	0
HS1BP3	1.3736731313	0.102802268	0.9999763851
LDAH	1.3850261424	0.0952750193	0.9999763851
LOC107985792	0	0	0
KLHL29	-1.3714374731	0.7337777464	0.9999763851
ATAD2B	-1.2034981149	0.4052927491	0.9999763851
UBXN2A	1.0101496188	0.9770806976	0.9999763851
MFSD2B	2.0155685261	0.4138816669	0.9999763851
WDCP	-1.0420774881	0.8526568339	0.9999763851
FKBP1B	2.2534767074	0.3735854402	0.9999763851
SF3B6	1.115079315	0.4636735404	0.9999763851
FAM228B	-1.6633350468	0.056527654	0.9999763851
TP53I3	0	0	0
FAM228A	-1.315303824	0.8206171563	0.9999763851

gene_expression_table

ITSN2	1.087711955	0.6295278702	0.9999763851
NCOA1	-1.4097336706	0.2129215729	0.9999763851
PTRHD1	-1.5176931502	0.037686896	0.9999763851
CENPO	1.2771421293	0.1157550345	0.9999763851
ADCY3	-1.4216025334	0.1746366735	0.9999763851
DNAJC27	1.1436674817	0.7911446084	0.9999763851
EFR3B	1.278970045	0.374590486	0.9999763851
DNMT3A	-1.0424540121	0.8888622534	0.9999763851
DTNB	1.0337751987	0.8942763355	0.9999763851
ASXL2	1.1406881434	0.4535134815	0.9999763851
KIF3C	1.1783065881	0.7005898276	0.9999763851
RAB10	1.279311693	0.0986402696	0.9999763851
GAREM2	1.3843154403	0.0444336695	0.9999763851
HADHA	1.0139543316	0.9437541629	0.9999763851
HADHB	1.0583173815	0.7297702511	0.9999763851
ADGRF3	-1.394553145	0.6912186114	0.9999763851
EPT1	1.1855795817	0.4539996747	0.9999763851
DRC1	-1.3154339304	0.8205576571	0.9999763851
CIB4	3.2353357581	0.554787377	0.9999763851
SLC35F6	-1.0333725574	0.8662299831	0.9999763851
CENPA	1.0060876646	0.9766024825	0.9999763851
DPYSL5	7.7488609396	0.305777082	0.9999763851
MAPRE3	7.7192231741	0.2780352706	0.9999763851
TMEM214	1.5562072344	0.0869868067	0.9999763851
AGBL5	1.2255088861	0.3258256701	0.9999763851
OST4	-1.0191982216	0.9111057126	0.9999763851
EMILIN1	1.325955166	0.748945782	0.9999763851
KHK	1.3067868184	0.5351088923	0.9999763851
ABHD1	16.6918753579	0.1320442202	0.9999763851
PREB	1.0802539431	0.6285313659	0.9999763851
SLC5A6	1.0640729196	0.7431571875	0.9999763851
ATRAID	-1.148780957	0.458098647	0.9999763851
CAD	1.1168840181	0.5394414575	0.9999763851
TRIM54	0	0	0
UCN	-1.1116250788	0.8542790178	0.9999763851
MPV17	1.3189486249	0.234051062	0.9999763851
GTF3C2	1.0597187345	0.8011712825	0.9999763851
EIF2B4	-1.0217395644	0.92804605	0.9999763851
SNX17	1.1064823609	0.586503082	0.9999763851
ZNF513	1.8136032532	0.5951921074	0.9999763851
PPM1G	1.0195653192	0.881329213	0.9999763851
NRBP1	-1.1087404898	0.560966312	0.9999763851
KRTCAP3	3.2356557963	0.5547505991	0.9999763851
IFT172	3.2356557963	0.5547505991	0.9999763851
C2orf16	1.2869488883	0.8189909969	0.9999763851
ZNF512	1.308229032	0.1543179029	0.9999763851
CCDC121	-10.8422096127	0.1439257484	0.9999763851
GPN1	-1.0931885671	0.5997138692	0.9999763851
SUPT7L	1.3027543022	0.2552113773	0.9999763851

gene_expression_table

SLC4A1AP	-1.1184967074	0.5306043995	0.9999763851
MRPL33	-1.2612029286	0.2585476449	0.9999763851
RBKS	1.03638979	0.9611342334	0.9999763851
BRE	-1.2138532658	0.3133597188	0.9999763851
FOSL2	1.0527006686	0.7833717672	0.9999763851
PLB1	-1.3708355312	0.7478119744	0.9999763851
PPP1CB	1.1678127183	0.3044319711	0.9999763851
SPDYA	1.2257229004	0.7466143562	0.9999763851
TRMT61B	1.2062310354	0.3750512419	0.9999763851
WDR43	1.0818430411	0.5810376127	0.9999763851
FAM179A	-1.6465635173	0.4724225492	0.9999763851
CLIP4	1.0505152305	0.9609042588	0.9999763851
ALK	0	0	0
YPEL5	-1.1309096567	0.5777044456	0.9999763851
LBH	2.5195872738	0.2430923148	0.9999763851
LCLAT1	1.5487639993	0.0576017967	0.9999763851
CAPN13	-4.287394647	0.4026306792	0.9999763851
GALNT14	1.3316041862	0.1598189001	0.9999763851
XDH	0	0	0
SRD5A2	0	0	0
MEMO1	1.0003142026	0.998711558	0.9999763851
DPY30	1.3330703024	0.1419905517	0.9999763851
SPAST	-1.0786321364	0.7288880156	0.9999763851
SLC30A6	1.3653786981	0.1562459732	0.9999763851
NLRC4	-1.8153473988	0.4783188166	0.9999763851
YIPF4	-1.0164732355	0.9431206982	0.9999763851
BIRC6	1.1083718614	0.5349948639	0.9999763851
TTC27	1.0527325707	0.8665672744	0.9999763851
LTBP1	1.3263859237	0.4507635577	0.9999763851
RASGRP3	1.8131652995	0.5813691012	0.9999763851
FAM98A	1.1869076495	0.3398289187	0.9999763851
CRIM1	-1.8157062896	0.4699720344	0.9999763851
FEZ2	-1.0344478115	0.8529754667	0.9999763851
VIT	-1.2927005519	0.5318125783	0.9999763851
STRN	-1.3286155222	0.0848989372	0.9999763851
HEATR5B	1.0716936802	0.8218470713	0.9999763851
GPATCH11	1.1540913993	0.6117349577	0.9999763851
EIF2AK2	-1.0599626053	0.7687682823	0.9999763851
CEBPZOS	1.1617193387	0.2973171983	0.9999763851
CEBPZ	-1.0407036996	0.854007645	0.9999763851
NDUFAF7	1.1018352216	0.7182562241	0.9999763851
PRKD3	-1.4356236793	0.4435231656	0.9999763851
CDC42EP3	1.0531272985	0.7211362939	0.9999763851
RMDN2	3.2353357581	0.554787377	0.9999763851
CYP1B1	-1.6824870848	0.4555260885	0.9999763851
ATL2	-1.1145686507	0.5730443113	0.9999763851
HNRNPLL	-4.2849908816	0.4028453076	0.9999763851
GALM	1.0272717886	0.9763520096	0.9999763851
SRSF7	1.1896566698	0.1722171844	0.9999763851

gene_expression_table

GEMIN6	-1.110001124	0.6825055789	0.9999763851
DHX57	-1.6912821635	0.1835810695	0.9999763851
MORN2	7.5959889452	0.005376	0.9999763851
SOS1	1.1436337525	0.4797284352	0.9999763851
CDKL4	0	0	0
MAP4K3	1.4088536585	0.2964281978	0.9999763851
TMEM178A	0	0	0
THUMPD2	1.1575074525	0.6078914394	0.9999763851
SLC8A1	-4.2864494036	0.4027150576	0.9999763851
EML4	-1.6764906029	0.0003754	0.439186721
COX7A2L	-1.1043007756	0.4546553042	0.9999763851
KCNG3	-2.3209115874	0.4622161811	0.9999763851
MTA3	-1.3883071659	0.1446450142	0.9999763851
OXER1	-1.9659101454	0.4308207028	0.9999763851
HAAO	1.0277462901	0.9757625931	0.9999763851
ZFP36L2	1.0336416409	0.7869635463	0.9999763851
THADA	1.0434821601	0.8306360382	0.9999763851
DYNC2LI1	1.8723955021	0.5237072844	0.9999763851
LRPPRC	1.1304115511	0.4405393036	0.9999763851
PPM1B	1.0651626276	0.680338186	0.9999763851
PREPL	1.2380366674	0.1933582431	0.9999763851
CAMKMT	-1.971292034	0.001782	0.9999763851
SRBD1	-1.5928709463	0.0799034067	0.9999763851
LOC102724965	5.4776292235	0.3745831165	0.9999763851
PRKCE	-1.0292749024	0.9083540727	0.9999763851
EPAS1	1.3439762932	0.443528971	0.9999763851
ATP6V1E2	1.3458151177	0.2684008386	0.9999763851
RHOQ	-2.9512094836	0.0180535395	0.9999763851
PIGF	1.4643959653	0.0863784067	0.9999763851
CRIPT	1.3775819513	0.1746016123	0.9999763851
SOCS5	-1.285616125	0.3294421071	0.9999763851
MCFD2	1.1000968395	0.5772400204	0.9999763851
TTC7A	-1.1659152008	0.4673408271	0.9999763851
C2orf61	-1.7354771749	0.4610815461	0.9999763851
CALM2	-1.0137813509	0.9189882775	0.9999763851
MSH2	-1.1357998396	0.5160744001	0.9999763851
KCNK12	1.8139019215	0.5818413221	0.9999763851
MSH6	1.0853944235	0.5724917196	0.9999763851
FBXO11	-1.0214232282	0.9106956777	0.9999763851
FOXN2	1.054745941	0.7991630709	0.9999763851
PPP1R21	1.131179799	0.681863498	0.9999763851
STON1	1.027644744	0.9774807983	0.9999763851
LHCGR	0	0	0
ASB3	-1.1067714597	0.7095820506	0.9999763851
GPR75-ASB3	1.342772839	0.4505185335	0.9999763851
CHAC2	1.321110215	0.5060978172	0.9999763851
ERLEC1	1.0636953367	0.7931369705	0.9999763851
PSME4	-1.0784706666	0.629606575	0.9999763851
ACYP2	-1.4483300894	0.2096416084	0.9999763851

gene_expression_table

SPTBN1	1.50164491	0.00754	0.9999763851
EML6	-1.6869571388	0.2831814493	0.9999763851
RTN4	1.1568404118	0.2513290308	0.9999763851
CLHC1	-1.2507021559	0.6167086561	0.9999763851
RPS27A	-1.235077644	0.0989980096	0.9999763851
MTIF2	-1.0047395273	0.9784041219	0.9999763851
CCDC88A	-1.281720043	0.093791524	0.9999763851
CFAP36	-1.5423634354	0.2139785669	0.9999763851
PPP4R3B	-1.0308706825	0.8310822389	0.9999763851
PNPT1	1.0173325989	0.92544304	0.9999763851
CCDC85A	0	0	0
VRK2	1.1257957434	0.653220876	0.9999763851
LOC107984043	1.1322528341	0.8825188119	0.9999763851
FANCL	1.144404358	0.5296900122	0.9999763851
BCL11A	-1.0721956879	0.6453183373	0.9999763851
PAPOLG	1.1811939394	0.5558612063	0.9999763851
REL	-1.5214001104	0.0415106114	0.9999763851
PUS10	-1.3015109125	0.1397802069	0.9999763851
PEX13	-1.5429143958	0.1967210093	0.9999763851
KIAA1841	1.2223646681	0.6866069743	0.9999763851
AHSA2	1.106877086	0.5277167343	0.9999763851
USP34	-1.1224957927	0.6703546068	0.9999763851
XPO1	1.3113273552	0.0351216098	0.9999763851
FAM161A	-1.1385539513	0.70245366	0.9999763851
CCT4	-1.0134428003	0.9120268644	0.9999763851
COMMD1	-1.268751871	0.1707268122	0.9999763851
B3GNT2	-1.4274545135	0.0809286414	0.9999763851
TMEM17	5.4776292235	0.3745831165	0.9999763851
EHBP1	-1.2337115932	0.3395307119	0.9999763851
OTX1	1.2263565036	0.6714721801	0.9999763851
WDPCP	-1.1568317067	0.6161114894	0.9999763851
MDH1	1.0624159527	0.6458166987	0.9999763851
UGP2	-1.1276651119	0.4460470039	0.9999763851
VPS54	1.0867395771	0.7522772309	0.9999763851
AFTPH	-1.2890781143	0.1979181162	0.9999763851
SERTAD2	-1.0226514326	0.8899303859	0.9999763851
SLC1A4	1.0607169423	0.6867381001	0.9999763851
CEP68	1.5248785194	0.274759176	0.9999763851
RAB1A	-1.0237616723	0.8555427974	0.9999763851
ACTR2	1.0987856392	0.4684845082	0.9999763851
SPRED2	-1.1294902392	0.647145588	0.9999763851
MEIS1	-1.0896004414	0.5987921936	0.9999763851
ETAA1	-1.7858228363	0.204721115	0.9999763851
C1D	1.0450761103	0.7875441959	0.9999763851
WDR92	1.1168545673	0.6569235823	0.9999763851
PNO1	1.1789633401	0.3582884595	0.9999763851
PPP3R1	-1.0151243697	0.9143244234	0.9999763851
CNRIP1	1.0268207743	0.9771394108	0.9999763851
PLEK	1.1867012473	0.2317231772	0.9999763851

gene_expression_table

FBXO48	-1.1228875834	0.8547702516	0.9999763851
APLF	-1.1550995243	0.7941305324	0.9999763851
ARHGAP25	1.3637935162	0.1189643085	0.9999763851
ANTXR1	3.2356557963	0.5547505991	0.9999763851
GFPT1	-1.3922766146	0.0878597507	0.9999763851
NFU1	-1.339815096	0.1550560841	0.9999763851
AAK1	1.1415752274	0.4217329832	0.9999763851
ANXA4	-1.0959420662	0.6324399369	0.9999763851
GMCL1	1.1076539834	0.5489596845	0.9999763851
SNRNP27	1.1870286079	0.403856724	0.9999763851
MXD1	-1.1976738389	0.4575237098	0.9999763851
ASPRV1	2.8683753118	0.2970239536	0.9999763851
PCBP1	1.0246180889	0.8535331483	0.9999763851
C2orf42	1.1647633948	0.7495638197	0.9999763851
TIA1	1.1763165918	0.4261515316	0.9999763851
PCYOX1	-1.3743857604	0.0267636196	0.9999763851
SNRPG	-1.0671039586	0.5880833828	0.9999763851
FAM136A	1.1257171013	0.501554028	0.9999763851
TGFA	1.6241887583	0.5813605053	0.9999763851
CLEC4F	0	0	0
VAX2	-1.315303824	0.8206171563	0.9999763851
ATP6V1B1	1.7955828734	0.2867099268	0.9999763851
TEX261	1.4270854773	0.0327520538	0.9999763851
NAGK	1.3952870539	0.2431710997	0.9999763851
MCEE	-1.3822405422	0.3766611981	0.9999763851
MPHOSPH10	-1.2249881759	0.3581147062	0.9999763851
ZNF638	-1.1775845548	0.3990530189	0.9999763851
DYSF	1.3635876576	0.1732447172	0.9999763851
EXOC6B	1.2867653957	0.8302200816	0.9999763851
EMX1	0	0	0
SFXN5	1.1679083758	0.5812122433	0.9999763851
RAB11FIP5	-1.2468168198	0.2477623091	0.9999763851
NOTO	0	0	0
SMYD5	-1.3620636421	0.6368377281	0.9999763851
PRADC1	1.0129300777	0.9656951153	0.9999763851
CCT7	-1.0350100581	0.7999910039	0.9999763851
FBXO41	1.5968276379	0.1651166133	0.9999763851
ALMS1	1.8157003876	0.1214582642	0.9999763851
TPRKB	1.0307255886	0.8819738451	0.9999763851
DUSP11	1.0036050462	0.9885961386	0.9999763851
STAMBP	-1.1061510203	0.7018111654	0.9999763851
ACTG2	0	0	0
DGUOK	-1.0167055867	0.9207469825	0.9999763851
TET3	-1.1325057796	0.5958103997	0.9999763851
BOLA3	1.2286026936	0.2597593711	0.9999763851
MOB1A	1.4238131745	0.0349642558	0.9999763851
MTHFD2	-1.1211063026	0.4420067432	0.9999763851
SLC4A5	-1.281853878	0.3481963662	0.9999763851
DCTN1	1.2889258401	0.2646920084	0.9999763851

gene_expression_table

C2orf81	-1.080916289	0.9218494159	0.9999763851
WDR54	-1.0382665908	0.8834081126	0.9999763851
RTKN	0	0	0
INO80B	1.2172563436	0.7055631978	0.9999763851
WBP1	-1.2907936775	0.3098200842	0.9999763851
MOGS	1.0005382248	0.9979450567	0.9999763851
MRPL53	1.4765991151	0.0229825898	0.9999763851
CCDC142	-2.9937056245	0.1615965695	0.9999763851
TTC31	1.6242712064	0.1898982261	0.9999763851
LBX2	3.2356557963	0.5547505991	0.9999763851
PCGF1	-2.0110792645	0.2231009582	0.9999763851
DQX1	0	0	0
AUP1	1.2152265407	0.2409094809	0.9999763851
HTRA2	1.3308698118	0.2479591739	0.9999763851
LOXL3	-2.3763485512	0.4067077572	0.9999763851
DOK1	-1.2433211656	0.1477399957	0.9999763851
M1AP	-1.4153036866	0.6387328106	0.9999763851
SEMA4F	0	0	0
HK2	-1.2476028608	0.2130856504	0.9999763851
POLE4	1.0018790596	0.9915204116	0.9999763851
TACR1	1.1892050826	0.8083244611	0.9999763851
MRPL19	-1.5786340388	0.0156258948	0.9999763851
GCFC2	-1.0639563986	0.8601929054	0.9999763851
LRRTM4	3.2361532718	0.5546934395	0.9999763851
CTNNA2	5.4770877341	0.3746135179	0.9999763851
SUCLG1	1.1029527461	0.4957967366	0.9999763851
DNAH6	0	0	0
TRABD2A	-4.2849908816	0.4028453076	0.9999763851
TMSB10	-1.1337601534	0.3770608755	0.9999763851
KCMF1	1.2377568161	0.285959735	0.9999763851
TCF7L1	-2.2383770602	0.3301996687	0.9999763851
TGOLN2	-1.2689429059	0.0854042447	0.9999763851
RETSAT	1.1130819889	0.563271458	0.9999763851
ELMOD3	1.128763695	0.7570667636	0.9999763851
CAPG	1.1359314632	0.4406142068	0.9999763851
SH2D6	0	0	0
MAT2A	1.0198804115	0.8823139831	0.9999763851
GGCX	-1.0186141143	0.9440969484	0.9999763851
VAMP8	-1.1317356375	0.3551138233	0.9999763851
VAMP5	-1.0157801405	0.9771486462	0.9999763851
RNF181	-1.0672732615	0.7511287799	0.9999763851
TMEM150A	-1.0356386932	0.9396850031	0.9999763851
USP39	1.2216049891	0.2704184296	0.9999763851
C2orf68	-1.4699587079	0.1567987807	0.9999763851
ATOH8	2.8682179169	0.3019372198	0.9999763851
ST3GAL5	1.3036963729	0.5592653088	0.9999763851
POLR1A	1.1181992119	0.7093815731	0.9999763851
PTCD3	1.0643579535	0.7044545482	0.9999763851
IMMT	1.3018007913	0.0732684497	0.9999763851

gene_expression_table

MRPL35	1.2305812311	0.2547223322	0.9999763851
KDM3A	-2.210488049	0.0007811	0.6568370458
CHMP3	-1.0513119976	0.7577621645	0.9999763851
RNF103-CHMP3	-1.9451744431	0.4383692894	0.9999763851
RNF103	-1.9877309057	0.1505008152	0.9999763851
RMND5A	-1.2177526697	0.318928986	0.9999763851
CD8A	0	0	0
CD8B	0	0	0
PLGLB1	7.7204093521	0.2881896654	0.9999763851
LOC730268	1.0631873881	0.8974318562	0.9999763851
RGPD2	-1.6534026074	0.2581321001	0.9999763851
KRCC1	-1.1737646797	0.5211092162	0.9999763851
EIF2AK3	-1.6666198591	0.0671035089	0.9999763851
RPIA	-1.2420000559	0.1976195011	0.9999763851
LOC107985911	-1.3214631849	0.5690647226	0.9999763851
TEKT4	7.7488609396	0.3058577563	0.9999763851
MRPS5	1.2426220328	0.1750842263	0.9999763851
ZNF514	-4.3327792956	0.1654925197	0.9999763851
ZNF2	-1.7344697458	0.454054257	0.9999763851
KCNIP3	0	0	0
FAHD2A	-1.0322542091	0.8987337781	0.9999763851
ANKRD36C	-1.1187044772	0.6616498032	0.9999763851
LOC107984110	0	0	0
GPAT2	1.0408311207	0.959749795	0.9999763851
ASTL	7.7599005912	0.2898575514	0.9999763851
DUSP2	1.1112905062	0.6216869168	0.9999763851
STARD7	-1.0730594048	0.5530232333	0.9999763851
TMEM127	1.4376745279	0.1318752406	0.9999763851
CIAO1	1.1019880542	0.5405328236	0.9999763851
SNRNP200	1.3307224643	0.0460934643	0.9999763851
NCAPH	1.1259600006	0.4641526807	0.9999763851
ARID5A	1.4461813237	0.0549773423	0.9999763851
KANSL3	-1.0997603701	0.60625043	0.9999763851
FER1L5	0	0	0
LMAN2L	1.5467827042	0.1189191726	0.9999763851
CNNM4	-1.8992688232	0.055017229	0.9999763851
CNNM3	-1.0433072276	0.8545354838	0.9999763851
ANKRD23	-1.0537130233	0.9182419571	0.9999763851
ANKRD39	1.1609452035	0.3835696884	0.9999763851
SEMA4C	1.2064374145	0.2169368647	0.9999763851
FAM178B	-3.3302773804	0.2299524791	0.9999763851
FAHD2B	-1.1015850729	0.7001300645	0.9999763851
ANKRD36	-1.6663798667	0.3061143595	0.9999763851
ANKRD36B	-1.2214116021	0.3761733749	0.9999763851
COX5B	1.0102030401	0.9347982024	0.9999763851
ACTR1B	1.0094778478	0.946718742	0.9999763851
ZAP70	1.813344484	0.5820336358	0.9999763851
TMEM131	1.0562564288	0.7335566298	0.9999763851
VWA3B	3.2353357581	0.554787377	0.9999763851

gene_expression_table

INPP4A	1.0192312552	0.9077453102	0.9999763851
COA5	-1.1046072051	0.6118765378	0.9999763851
UNC50	1.4380021782	0.2331515865	0.9999763851
MGAT4A	1.3297552504	0.1786145587	0.9999763851
KIAA1211L	-1.0755082442	0.7977674856	0.9999763851
TSGA10	1.5807548893	0.1818240065	0.9999763851
C2orf15	-1.6219931477	0.4436846426	0.9999763851
LIPT1	4.1100123697	0.1007263803	0.9999763851
MITD1	-1.3563111278	0.1552092989	0.9999763851
MRPL30	-1.1650567664	0.3717197832	0.9999763851
LYG2	1.0270472827	0.9776204387	0.9999763851
TXNDC9	1.3286524472	0.1935058476	0.9999763851
EIF5B	-1.0060512258	0.9608784015	0.9999763851
REV1	-1.1475183994	0.4777509799	0.9999763851
AFF3	-1.1483793728	0.8593637268	0.9999763851
LONRF2	3.2356557963	0.5547505991	0.9999763851
CHST10	1.7771737389	0.030601334	0.9999763851
PDCL3	-2.0596204881	0.0698354965	0.9999763851
NPAS2	0	0	0
RPL31	-1.035186772	0.769726902	0.9999763851
TBC1D8	-1.0041110489	0.9923308766	0.9999763851
CNOT11	-1.3388081756	0.0666895219	0.9999763851
RNF149	-1.3010473315	0.1946273161	0.9999763851
CREG2	1.1294335392	0.8449647978	0.9999763851
RFX8	-1.7171302182	0.1205232019	0.9999763851
MAP4K4	-1.0639167558	0.681890303	0.9999763851
IL1R2	0	0	0
IL1R1	1.3262899408	0.7594254998	0.9999763851
IL18R1	1.4203047017	0.2820066814	0.9999763851
IL18RAP	1.8612147697	0.2010349174	0.9999763851
SLC9A4	0	0	0
SLC9A2	-2.4440355816	0.4439069782	0.9999763851
MFSD9	-1.4813240664	0.1789293071	0.9999763851
TMEM182	1.2100357382	0.6008460605	0.9999763851
MRPS9	-1.0610741291	0.7292454941	0.9999763851
TGFBRAP1	1.0368474459	0.8230817278	0.9999763851
C2orf49	-1.1195121669	0.6561072983	0.9999763851
FHL2	-1.3714374731	0.7336360884	0.9999763851
NCK2	1.0219431309	0.9125964542	0.9999763851
C2orf40	-4.2864494036	0.4027150576	0.9999763851
UXS1	1.023158894	0.8808816156	0.9999763851
RGPD3	0	0	0
LOC107985931	0	0	0
SULT1C2	0	0	0
GCC2	-1.6142246857	0.0451607739	0.9999763851
LIMS1	-1.213314902	0.1828073918	0.9999763851
RANBP2	1.0214071416	0.8908219343	0.9999763851
CCDC138	1.053416032	0.8452734528	0.9999763851
EDAR	0	0	0

gene_expression_table

SH3RF3	1.0734923781	0.7994345489	0.9999763851
SEPT10	1.9834686116	0.1499094332	0.9999763851
SOWAHC	-1.0756553267	0.8347383746	0.9999763851
RGPD5	-14.1139127893	0.1018289369	0.9999763851
LIMS3	0	0	0
MALL	0	0	0
NPHP1	0	0	0
LIMS4	0	0	0
RGPD6	-1.045438992	0.9610160069	0.9999763851
BUB1	-1.2480313723	0.2305172057	0.9999763851
ACOXL	1.2512644887	0.521863797	0.9999763851
BCL2L11	1.2733425569	0.1685161822	0.9999763851
ANAPC1	1.1031592173	0.505694661	0.9999763851
MERTK	-1.0270070658	0.9057698921	0.9999763851
TMEM87B	-1.1405864677	0.5050447268	0.9999763851
FBLN7	-1.0971100786	0.8676021818	0.9999763851
ZC3H8	-1.2219743294	0.3066724101	0.9999763851
ZC3H6	-1.2718349738	0.5098842696	0.9999763851
RGPD8	-1.4249254444	0.6101019289	0.9999763851
TTL	-1.1345145882	0.4141526962	0.9999763851
POLR1B	1.2236250052	0.2745990447	0.9999763851
CHCHD5	2.587886895	0.0429304897	0.9999763851
SLC20A1	-1.0658843322	0.6320687838	0.9999763851
NT5DC4	-1.4461138135	0.1880286321	0.9999763851
CKAP2L	1.1274883687	0.5454925737	0.9999763851
IL1B	-7.9941504099	9.66E-12	1.04E-07
IL36G	5.4770877341	0.3746135179	0.9999763851
IL36A	0	0	0
IL36B	0	0	0
IL36RN	-7.5647903763	0.2176246281	0.9999763851
IL1RN	-6.062531604	3.23E-09	1.24E-05
PSD4	1.3316955254	0.1109782799	0.9999763851
PAX8	2.2197442392	0.3827732759	0.9999763851
CBWD2	-1.1501557732	0.6625856998	0.9999763851
FOXD4L1	-1.8252752883	0.4396499131	0.9999763851
RABL2A	-1.4112614935	0.2843419853	0.9999763851
SLC35F5	1.3593234382	0.167721857	0.9999763851
ACTR3	1.2241783698	0.1476125658	0.9999763851
DDX18	-1.1369028626	0.3894054282	0.9999763851
LOC107985939	1.1429815926	0.7565703052	0.9999763851
CCDC93	-1.3974597658	0.0786853912	0.9999763851
INSIG2	-1.6497102849	0.1883267835	0.9999763851
MARCO	-1.7494132661	0.1069887274	0.9999763851
STEAP3	1.3251796054	0.2872637719	0.9999763851
C2orf76	-2.0486799378	0.2151357512	0.9999763851
DBI	-1.190950259	0.1530585697	0.9999763851
SCTR	0	0	0
CFAP221	0	0	0
TMEM177	-1.5728911116	0.1233092937	0.9999763851

gene_expression_table

PTPN4	-1.2533885642	0.5262666626	0.9999763851
EPB41L5	-1.3158816768	0.8203229797	0.9999763851
TMEM185B	1.2800922138	0.1307734764	0.9999763851
RALB	-1.5204433696	0.004249	0.9999763851
INHBB	0	0	0
TFCP2L1	0	0	0
CLASP1	-1.1491943618	0.3402246172	0.9999763851
NIFK	1.2405136054	0.1587750247	0.9999763851
TSN	1.1175265115	0.4609286173	0.9999763851
CNTNAP5	5.4770877341	0.3746135179	0.9999763851
GYPC	-1.1108671394	0.4195399387	0.9999763851
BIN1	1.3638024281	0.2213738185	0.9999763851
ERCC3	1.0087546418	0.9611343498	0.9999763851
MAP3K2	1.1124101115	0.5801403512	0.9999763851
PROC	-1.3154339304	0.8205576571	0.9999763851
IWS1	1.1484238619	0.3896505443	0.9999763851
LIMS2	1.0542383865	0.8046896137	0.9999763851
GPR17	-1.3157515262	0.8227855444	0.9999763851
SFT2D3	-1.0886417021	0.7739156355	0.9999763851
WDR33	1.0659363653	0.6970446659	0.9999763851
POLR2D	-1.137911618	0.5116338305	0.9999763851
LOC107985803	1.6096975159	0.204839876	0.9999763851
AMMECR1L	1.4456391063	0.1457521704	0.9999763851
SAP130	1.0274861459	0.8800199645	0.9999763851
UGGT1	1.0489172896	0.7656211274	0.9999763851
HS6ST1	1.2803615879	0.1751980264	0.9999763851
RAB6C	-3.1528628322	0.202248388	0.9999763851
CCDC74B	-4.2849908816	0.4028453076	0.9999763851
SMPD4	-1.1526450932	0.2565084101	0.9999763851
MZT2B	-1.0128241802	0.9255979016	0.9999763851
TUBA3E	3.2361532718	0.5546934395	0.9999763851
CCDC115	-1.7253992275	0.001068	0.833154348
IMP4	1.092733122	0.6042809177	0.9999763851
PTPN18	1.4586197561	0.071081198	0.9999763851
POTEI	-1.2279078578	0.1645039133	0.9999763851
FAM168B	1.3143457626	0.0976177827	0.9999763851
PLEKHB2	1.3164726749	0.0656147391	0.9999763851
WTH3DI	-3.7978639386	0.2119439624	0.9999763851
MZT2A	1.1691105424	0.3199047164	0.9999763851
CCDC74A	-1.0550245006	0.9552374595	0.9999763851
C2orf27A	-1.113460946	0.6186113448	0.9999763851
MGAT5	-1.0268694645	0.8598628634	0.9999763851
TMEM163	-1.1122312474	0.4507727924	0.9999763851
ACMSD	1.5102429321	0.5414379252	0.9999763851
CCNT2	1.2442592626	0.3602406347	0.9999763851
RAB3GAP1	-1.2865543081	0.1785395959	0.9999763851
ZRANB3	-1.2125368491	0.2925639616	0.9999763851
R3HDM1	1.1278613382	0.4888598206	0.9999763851
LOC107985946	0	0	0

gene_expression_table

UBXN4	-1.1537219212	0.483133874	0.9999763851
LCT	-1.3151016298	0.8209556205	0.9999763851
MCM6	1.3733382774	0.0110091128	0.9999763851
DARS	1.1007945623	0.4757582746	0.9999763851
CXCR4	-1.089537404	0.4998023687	0.9999763851
THSD7B	-7.5664585246	0.2266167716	0.9999763851
HNMT	1.3647763335	0.5423491451	0.9999763851
SPOPL	-1.5834751417	0.1194871292	0.9999763851
NXPH2	0	0	0
ARHGAP15	-1.0502905104	0.7400504591	0.9999763851
GTDC1	1.2910500905	0.4148260026	0.9999763851
ZEB2	-1.6915579332	0.008295	0.9999763851
ACVR2A	-5.7918925833	0.1509002625	0.9999763851
ORC4	1.0887046696	0.6813109391	0.9999763851
MBD5	-1.056370503	0.8435271623	0.9999763851
EPC2	-1.0118928759	0.9529805139	0.9999763851
KIF5C	-1.5352827146	0.00169	0.9999763851
LYPD6B	-1.0453655538	0.9385241153	0.9999763851
MMADHC	1.0682028691	0.6608349488	0.9999763851
RBM43	-1.6160275616	0.2644448311	0.9999763851
NMI	1.177517447	0.3299443549	0.9999763851
TNFAIP6	-4.2864494036	0.4027150576	0.9999763851
RIF1	-1.0448133566	0.7835605872	0.9999763851
NEB	1.1971594869	0.7106462339	0.9999763851
ARL5A	1.1408676765	0.4028961212	0.9999763851
CACNB4	-1.2401979461	0.4448675194	0.9999763851
STAM2	-1.1744975129	0.5989277265	0.9999763851
FMNL2	-1.2521389154	0.4524624584	0.9999763851
PRPF40A	1.0531539214	0.7183131685	0.9999763851
ARL6IP6	-1.1879572039	0.3936072265	0.9999763851
GALNT13	-4.2864494036	0.4027150576	0.9999763851
KCNJ3	0	0	0
NR4A2	-1.6831517933	0.4363769469	0.9999763851
GPD2	-1.4037781742	0.2895274188	0.9999763851
GALNT5	0	0	0
ERMN	0	0	0
CYTIP	1.3658340055	0.4683579203	0.9999763851
ACVR1	-2.2165260254	0.2363025112	0.9999763851
UPP2	2.3401939765	0.403890843	0.9999763851
PKP4	-1.3404489624	0.2351458445	0.9999763851
TANC1	-1.5510068859	0.3690648191	0.9999763851
WDSUB1	-1.5504586825	0.1018525871	0.9999763851
BAZ2B	-1.1715748754	0.6496607764	0.9999763851
MARCH7	1.0024187022	0.9892143563	0.9999763851
CD302	-2.6629764642	0.0123545902	0.9999763851
LY75-CD302	33.3819854938	0.0772464494	0.9999763851
LY75	1.4755288217	0.4708784779	0.9999763851
ITGB6	0	0	0
RBMS1	1.2158649977	0.2165533968	0.9999763851

gene_expression_table

TANK	-1.5510086139	0.0540655241	0.9999763851
PSMD14	1.2651599853	0.0900390766	0.9999763851
TBR1	1.287203384	0.8304822833	0.9999763851
FAP	-4.0702668798	0.0155904502	0.9999763851
IFIH1	-1.1548451273	0.5123944174	0.9999763851
GCA	1.5676312967	0.1129655165	0.9999763851
GRB14	-1.1078669959	0.53137739	0.9999763851
COBLL1	0	0	0
SCN2A	-4.2849908816	0.4028453076	0.9999763851
GALNT3	-1.345634794	0.5007276973	0.9999763851
TTC21B	-2.2104919443	0.008274	0.9999763851
B3GALT1	0	0	0
STK39	1.2875826832	0.0974493574	0.9999763851
CERS6	-1.2153364155	0.2347303616	0.9999763851
NOSTRIN	-1.6880138705	0.2499161077	0.9999763851
SPC25	1.0586218826	0.7829050059	0.9999763851
DHRS9	-1.0299800453	0.9016944456	0.9999763851
LRP2	3.2356557963	0.5547505991	0.9999763851
BBS5	1.3627548182	0.5243377697	0.9999763851
KLHL41	-1.407939759	0.6698538146	0.9999763851
FASTKD1	1.0378822123	0.8743439619	0.9999763851
PPIG	1.1485763478	0.3616544547	0.9999763851
PHOSPHO2	1.255717164	0.5914567131	0.9999763851
PHOSPHO2-KLHL23	-1.6593349313	0.3346611771	0.9999763851
KLHL23	-1.0552853955	0.7725668301	0.9999763851
SSB	1.1266577587	0.4001946605	0.9999763851
METTL5	-1.4010851323	0.2483041405	0.9999763851
UBR3	-1.1840710714	0.4030694268	0.9999763851
MYO3B	1.0991008447	0.8399132411	0.9999763851
ERICH2	-1.0860476531	0.8728611828	0.9999763851
GAD1	-1.0889276106	0.8415788258	0.9999763851
GORASP2	1.0155828628	0.9151323953	0.9999763851
TLK1	1.1770333151	0.3405868971	0.9999763851
METTL8	1.0957312771	0.6429496946	0.9999763851
DCAF17	-1.0650188182	0.8374081718	0.9999763851
CYBRD1	-1.183723567	0.4902051974	0.9999763851
DYNC1I2	-1.028831282	0.8156466637	0.9999763851
SLC25A12	-1.0201591107	0.9060279096	0.9999763851
HAT1	1.329659192	0.082784236	0.9999763851
METAP1D	1.0672187123	0.8133199352	0.9999763851
DLX1	1.5006771831	0.0125623929	0.9999763851
DLX2	1.0557951289	0.8466659238	0.9999763851
ITGA6	-1.0963829722	0.484725696	0.9999763851
PDK1	-1.1244532323	0.3302215589	0.9999763851
RAPGEF4	-1.3711818216	0.7358439975	0.9999763851
ZAK	1.2430807307	0.2580011987	0.9999763851
CDCA7	1.0585635182	0.7389662898	0.9999763851
SP3	-1.3790486573	0.0745906272	0.9999763851
OLA1	1.3155003919	0.0427314064	0.9999763851

gene_expression_table

CIR1	-1.3157650748	0.1959790288	0.9999763851
SCRN3	-1.1759179026	0.5792347872	0.9999763851
GPR155	-3.368395211	0.0626175119	0.9999763851
WIPF1	-1.0459841812	0.7421501978	0.9999763851
CHN1	-1.7334433524	0.4693833927	0.9999763851
ATF2	-1.094572815	0.6598390343	0.9999763851
ATP5G3	-1.0858167284	0.4631874557	0.9999763851
KIAA1715	-1.0431332864	0.7871694096	0.9999763851
HOXD11	3.2356557963	0.5547505991	0.9999763851
MTX2	1.0816473494	0.6751414187	0.9999763851
LOC105373759	5.4776292235	0.3745831165	0.9999763851
HNRNPA3	1.0520386633	0.6869630563	0.9999763851
NFE2L2	1.2743260254	0.2368101713	0.9999763851
AGPS	1.0773193477	0.6428684649	0.9999763851
TTC30B	-1.3157515262	0.822738687	0.9999763851
TTC30A	1.2866381786	0.8226816388	0.9999763851
PDE11A	3.2353357581	0.554787377	0.9999763851
RBM45	1.1350834036	0.8010610213	0.9999763851
PRKRA	-1.0089241456	0.9571466869	0.9999763851
DFNB59	-1.8847490183	0.0375268866	0.9999763851
FKBP7	1.3680439253	0.4843730687	0.9999763851
PLEKHA3	-1.0210413177	0.9171599352	0.9999763851
TTN	-1.4418754866	0.3607696841	0.9999763851
SESTD1	1.0188638266	0.9697764847	0.9999763851
CWC22	1.371359466	0.1401334365	0.9999763851
UBE2E3	-1.0164499562	0.9286090016	0.9999763851
ITGA4	1.0050723152	0.9724437888	0.9999763851
CERKL	-1.8582989466	0.1078815235	0.9999763851
SSFA2	1.2656507543	0.641213252	0.9999763851
PDE1A	1.0833376575	0.9038766628	0.9999763851
DNAJC10	1.136151586	0.4359589748	0.9999763851
DUSP19	5.4770877341	0.3746135179	0.9999763851
NUP35	1.1574604991	0.5652056993	0.9999763851
LOC105373780	-2.5584892659	0.2979878675	0.9999763851
ZNF804A	1.0785132654	0.8845443462	0.9999763851
FSIP2	0	0	0
ZC3H15	1.3546550011	0.0502096382	0.9999763851
ITGAV	-1.0439366194	0.9212761022	0.9999763851
GULP1	0	0	0
COL5A2	0	0	0
WDR75	-1.0988918807	0.6047422117	0.9999763851
SLC40A1	1.6802495696	0.185189774	0.9999763851
ASNSD1	1.1753507171	0.5574068427	0.9999763851
ANKAR	-1.2839721658	0.5580995611	0.9999763851
OSGEPL1	-1.0451537772	0.9050379132	0.9999763851
ORMDL1	1.0319372792	0.8294712036	0.9999763851
PMS1	1.3217197514	0.1879895107	0.9999763851
C2orf88	-1.2811588713	0.3624489837	0.9999763851
HIBCH	1.1349096448	0.5116731198	0.9999763851

gene_expression_table

INPP1	1.4611209985	0.2043350135	0.9999763851
MFSD6	-1.1656630398	0.7871895855	0.9999763851
NEMP2	1.0631248897	0.7625183607	0.9999763851
NAB1	-1.20097097	0.5442048614	0.9999763851
GLS	1.203461595	0.1926900557	0.9999763851
STAT1	-1.1953625942	0.2761892204	0.9999763851
MYO1B	0	0	0
NABP1	1.3226010982	0.2475407877	0.9999763851
SLC39A10	1.0064679317	0.9818166269	0.9999763851
LOC107985971	-2.3501290511	0.2085925271	0.9999763851
DNAH7	9.9604381148	0.22157015	0.9999763851
STK17B	-1.5977058749	0.0159562928	0.9999763851
HECW2	-2.5039523457	0.34035271	0.9999763851
CCDC150	1.0744721392	0.8507730122	0.9999763851
GTF3C3	-1.2046045428	0.3390577206	0.9999763851
PGAP1	1.3586119758	0.5599282744	0.9999763851
ANKRD44	-1.3433371022	0.1160359233	0.9999763851
SF3B1	1.101481233	0.4974251565	0.9999763851
COQ10B	1.0617070171	0.8280451738	0.9999763851
HSPD1	1.2161936565	0.0912274092	0.9999763851
HSPE1	1.0887192882	0.4934485097	0.9999763851
MOB4	-1.0505769986	0.7500889766	0.9999763851
RFTN2	-1.1626873995	0.8207088244	0.9999763851
MARS2	1.0337698243	0.8920860869	0.9999763851
SATB2	-1.5936448944	0.1454563281	0.9999763851
C2orf69	1.1881869609	0.337079388	0.9999763851
TYW5	-1.5149198995	0.1991055342	0.9999763851
C2orf47	1.147649169	0.5194294567	0.9999763851
SPATS2L	1.0318857931	0.9238246089	0.9999763851
KCTD18	1.9017460936	0.1555647612	0.9999763851
SGO2	1.0596181592	0.7477135576	0.9999763851
BZW1	1.211907776	0.1950992502	0.9999763851
CLK1	-1.1544409364	0.5488455555	0.9999763851
PPIL3	1.1455048655	0.7071168376	0.9999763851
NIF3L1	1.228196225	0.2937299599	0.9999763851
ORC2	1.2499423679	0.292056781	0.9999763851
FAM126B	-1.235272467	0.4290910986	0.9999763851
NDUFB3	1.1427828103	0.4727724289	0.9999763851
CFLAR	-1.1019682055	0.592961849	0.9999763851
CASP10	-1.1572308395	0.7637527567	0.9999763851
CASP8	1.0254997488	0.9161144297	0.9999763851
ALS2CR12	3.2356557963	0.5547505991	0.9999763851
TRAK2	1.082142696	0.7706218423	0.9999763851
STRADB	1.2576512613	0.4504591554	0.9999763851
ALS2CR11	-2.3220580825	0.4395237051	0.9999763851
TMEM237	1.0129802543	0.9785239909	0.9999763851
MPP4	0	0	0
ALS2	-1.6085366287	0.2740261171	0.9999763851
FZD7	-1.4076905562	0.6701866575	0.9999763851

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SUMO1	1.029316589	0.8781096652	0.9999763851
NOP58	1.0919372119	0.5823471407	0.9999763851
BMPR2	-1.4215924811	0.1991912045	0.9999763851
FAM117B	2.1367227261	0.0676758763	0.9999763851
ICA1L	1.1852358057	0.7409840788	0.9999763851
WDR12	-1.171679205	0.4404440694	0.9999763851
CARF	-2.5593885838	0.3082814576	0.9999763851
NBEAL1	1.0905719519	0.5039409136	0.9999763851
CYP20A1	-1.6052227925	0.0562555368	0.9999763851
ABI2	-1.7145036848	0.073039098	0.9999763851
NRP2	-2.289781123	0.1126782447	0.9999763851
INO80D	-1.8487364466	0.00746	0.9999763851
NDUFS1	1.3394131029	0.1283652978	0.9999763851
EEF1B2	1.0474872267	0.714454433	0.9999763851
ZDBF2	-1.0709997525	0.8763967921	0.9999763851
MDH1B	3.2356557963	0.5547505991	0.9999763851
FASTKD2	1.1412278598	0.4930903934	0.9999763851
KLF7	-1.022452828	0.9568913447	0.9999763851
CREB1	-1.3921878447	0.3511713107	0.9999763851
METTL21A	1.1061644715	0.5519756905	0.9999763851
CCNYL1	-1.9225301651	0.0304967662	0.9999763851
FZD5	-1.393561973	0.3028240493	0.9999763851
PLEKHM3	1.1604187905	0.7882500505	0.9999763851
IDH1	-1.1942428059	0.2184182577	0.9999763851
PIKFYVE	-1.0591188143	0.8397599606	0.9999763851
PTH2R	0	0	0
RPE	-1.0520036112	0.8239077838	0.9999763851
KANSL1L	-1.6389769298	0.2548164182	0.9999763851
LANCL1	1.2060033109	0.2709701544	0.9999763851
CPS1	1.6142457716	0.4217179675	0.9999763851
ERBB4	1.6250621554	0.550833575	0.9999763851
BARD1	1.0811184434	0.6718522546	0.9999763851
ABCA12	1.030747947	0.9668202631	0.9999763851
ATIC	-1.0172597613	0.9050531181	0.9999763851
FN1	-1.1230477663	0.8441633752	0.9999763851
MREG	-1.0239678005	0.9571046039	0.9999763851
PECR	-1.0065652436	0.9901000633	0.9999763851
TMEM169	3.2353357581	0.554787377	0.9999763851
XRCC5	1.0736427223	0.5830282156	0.9999763851
MARCH4	-1.3161718537	0.8279629082	0.9999763851
SMARCA1	1.1233166013	0.7599740781	0.9999763851
RPL37A	1.0139632833	0.9066603815	0.9999763851
IGFBP2	-1.0941830822	0.5904810871	0.9999763851
IGFBP5	3.2361532718	0.5546934395	0.9999763851
TNS1	-1.3160416743	0.8274241686	0.9999763851
CXCR2	1.1585942996	0.5959401862	0.9999763851
ARPC2	1.2127283019	0.130647845	0.9999763851
GPBAR1	0	0	0
AAMP	-1.31624394	0.0565075456	0.9999763851

gene_expression_table

PNKD	1.0807595273	0.6446703911	0.9999763851
TMBIM1	-1.608883212	0.2429873729	0.9999763851
CATIP	-1.3950272772	0.67648818	0.9999763851
SLC11A1	-6.346613468	0.0588664936	0.9999763851
CTDSP1	-1.2279642169	0.181960746	0.9999763851
VIL1	0	0	0
USP37	-1.6746698715	0.0125361703	0.9999763851
CNOT9	1.1348935546	0.4411261718	0.9999763851
PLCD4	3.478538239	0.2573416581	0.9999763851
ZNF142	1.2586333958	0.4738039921	0.9999763851
BCS1L	1.2647652031	0.4211559409	0.9999763851
RNF25	1.6062903958	0.6464772155	0.9999763851
STK36	1.0512676278	0.8447935887	0.9999763851
TTLL4	-1.2577809428	0.2525127221	0.9999763851
CYP27A1	0	0	0
WNT6	1.2809090962	0.6171266537	0.9999763851
WNT10A	2.2669099672	0.4734597612	0.9999763851
CDK5R2	-2.3222877795	0.4500648964	0.9999763851
NHEJ1	1.058833886	0.903003388	0.9999763851
SLC23A3	2.3404251821	0.4102399801	0.9999763851
CNPPD1	1.0265087714	0.8691456693	0.9999763851
FAM134A	1.2411878366	0.2514461794	0.9999763851
ZFAND2B	-1.0994281092	0.586056761	0.9999763851
ABCB6	1.2445757792	0.6423741543	0.9999763851
ATG9A	-1.1896060824	0.4069822469	0.9999763851
ANKZF1	1.2631552229	0.3054530456	0.9999763851
GLB1L	1.3421210769	0.701026043	0.9999763851
STK16	1.0349392099	0.8933431834	0.9999763851
TUBA4A	-1.0059257707	0.9628133189	0.9999763851
DNAJB2	-1.0064810351	0.9872717574	0.9999763851
PTPRN	0	0	0
DNPEP	1.4141411733	0.0603376325	0.9999763851
DES	0	0	0
SPEG	-1.3154339304	0.8205576571	0.9999763851
LOC100996693	0	0	0
GMPPA	-1.2861708228	0.548629652	0.9999763851
ASIC4	0	0	0
CHPF	1.5089755748	0.0670160627	0.9999763851
TMEM198	4.4488556079	0.1488038074	0.9999763851
INHA	0	0	0
STK11IP	1.3518913178	0.3256132792	0.9999763851
SGPP2	-1.4083241465	0.6545786505	0.9999763851
FARSB	1.0019542801	0.9911622876	0.9999763851
ACSL3	-1.151837056	0.4114028002	0.9999763851
AP1S3	1.413938195	0.3455269105	0.9999763851
WDFY1	-1.6115323606	0.0330033867	0.9999763851
MRPL44	1.1190298388	0.5980882635	0.9999763851
SERPINE2	-1.2930574702	0.0697667096	0.9999763851
CUL3	1.2897414016	0.186417693	0.9999763851

gene_expression_table

DOCK10	-1.1927869136	0.4791008504	0.9999763851
NYAP2	3.2353357581	0.554787377	0.9999763851
IRS1	-1.4328446441	0.5056254598	0.9999763851
RHBDD1	-1.4455661865	0.2533291841	0.9999763851
COL4A4	1.8881414096	0.5402431434	0.9999763851
COL4A3	-1.3157515262	0.8226830038	0.9999763851
MFF	-1.0751054924	0.6957496572	0.9999763851
AGFG1	1.2721291976	0.2531649773	0.9999763851
CCL20	-3.2612224403	0.0246048323	0.9999763851
DAW1	0	0	0
DNER	0	0	0
TRIP12	1.0569083798	0.7581450531	0.9999763851
SLC16A14	3.2353357581	0.554787377	0.9999763851
SP110	-1.1005813323	0.7165116417	0.9999763851
SP140	1.8138024348	0.5770921647	0.9999763851
SP140L	1.7589657787	0.1679799387	0.9999763851
SP100	-1.5910363362	0.0290113406	0.9999763851
CAB39	-1.0491007222	0.840068039	0.9999763851
ITM2C	-1.0381525376	0.8730539	0.9999763851
GPR55	-1.2612794495	0.3938336729	0.9999763851
PSMD1	1.1855203404	0.2633463644	0.9999763851
ARMC9	-1.003472981	0.9782275909	0.9999763851
B3GNT7	0	0	0
NCL	1.0618950076	0.6135822398	0.9999763851
PTMA	-1.4152922392	0.006595	0.9999763851
PDE6D	-1.3646188803	0.2776171639	0.9999763851
COPS7B	-1.0053745708	0.9817081137	0.9999763851
DIS3L2	1.2228272837	0.5122888671	0.9999763851
CHRNA	0	0	0
TIGD1	-1.3644955467	0.6906903137	0.9999763851
EIF4E2	1.0298798404	0.8372276761	0.9999763851
EFHD1	-4.2849908816	0.4028453076	0.9999763851
GIGYF2	1.0075672987	0.9690259828	0.9999763851
KCNJ13	3.2361532718	0.5546934395	0.9999763851
INPP5D	-1.0656500116	0.6724686222	0.9999763851
ATG16L1	-1.1259116752	0.790438015	0.9999763851
SAG	1.2869488883	0.8190152004	0.9999763851
DGKD	1.168029501	0.3217599549	0.9999763851
USP40	1.1372511472	0.6940439831	0.9999763851
UGT1A8	0	0	0
HJURP	-1.1317195226	0.5104703586	0.9999763851
TRPM8	0	0	0
ARL4C	1.0426561918	0.7768635251	0.9999763851
SH3BP4	0	0	0
AGAP1	-4.3331566429	0.1395554976	0.9999763851
ASB18	0	0	0
ACKR3	-1.2958166054	0.7397560477	0.9999763851
COPS8	1.4653084177	0.0639875658	0.9999763851
COL6A3	-7.5622178268	0.2177145568	0.9999763851

gene_expression_table

MLPH	-2.0420845165	0.0483724655	0.9999763851
RAB17	-1.334991364	0.6555336911	0.9999763851
LRRFIP1	1.0107219472	0.9316701231	0.9999763851
RBM44	1.924244766	0.44965329	0.9999763851
UBE2F	1.1264957133	0.5053587244	0.9999763851
SCLY	1.5877250627	0.02648611	0.9999763851
ESPNL	3.2353357581	0.554787377	0.9999763851
KLHL30	-1.3715126673	0.7509237272	0.9999763851
FAM132B	-1.4346570644	0.2611773109	0.9999763851
ILKAP	-1.0952838523	0.5230096299	0.9999763851
HES6	1.0760954497	0.6423186805	0.9999763851
PER2	1.1173494516	0.7024880715	0.9999763851
TRAF3IP1	-1.3413723037	0.3009655949	0.9999763851
ASB1	-1.0247048659	0.9251589075	0.9999763851
TWIST2	-2.3222877795	0.4502048392	0.9999763851
HDAC4	0	0	0
NDUFA10	-1.0365361364	0.8281832422	0.9999763851
COPS9	1.7919480141	0.0004264	0.4545015308
GPC1	-1.5401845921	0.3097298624	0.9999763851
ANKMY1	1.7773630804	0.2370355448	0.9999763851
DUSP28	-1.3200992251	0.5541112764	0.9999763851
RNPEPL1	-1.0957050206	0.713383221	0.9999763851
CAPN10	1.0051659711	0.9905851628	0.9999763851
GPR35	-2.0858069141	0.1110354187	0.9999763851
KIF1A	0	0	0
SNED1	3.2356557963	0.5547505991	0.9999763851
MTERF4	1.3243738256	0.4543828446	0.9999763851
PASK	1.098391833	0.8417049788	0.9999763851
PPP1R7	1.1411371994	0.5658770134	0.9999763851
ANO7	0	0	0
HDLBP	1.0155421423	0.9266311192	0.9999763851
LOC101927509	0	0	0
SEPT2	1.0293414913	0.8592843763	0.9999763851
FARP2	1.7104570823	0.1386774286	0.9999763851
STK25	-1.1210164156	0.5152197405	0.9999763851
THAP4	1.106299355	0.6326684507	0.9999763851
ATG4B	-1.0592140668	0.7616685109	0.9999763851
DTYMK	1.1493513229	0.4284809433	0.9999763851
ING5	1.1430300728	0.6366830987	0.9999763851
D2HGDH	1.1642255242	0.4520376843	0.9999763851
NEU4	-4.2849908816	0.4028453076	0.9999763851
LOC101927174	0	0	0
CNTN6	0	0	0
CNTN4	0	0	0
TRNT1	1.1477712501	0.5295638966	0.9999763851
CRBN	-1.0727123653	0.7566466531	0.9999763851
LRRN1	3.2353357581	0.554787377	0.9999763851
SUMF1	-1.1221714937	0.6320226751	0.9999763851
SETMAR	1.8056665272	0.2099207542	0.9999763851

gene_expression_table

ITPR1	-1.1523439634	0.5318456503	0.9999763851
BHLHE40	-1.3000491284	0.282705716	0.9999763851
ARL8B	-1.0762454222	0.6173299236	0.9999763851
EDEM1	-1.2668210846	0.4765169547	0.9999763851
GRM7	3.2356557963	0.5547505991	0.9999763851
CAV3	0	0	0
OXTR	-4.3327792956	0.1655012474	0.9999763851
RAD18	-1.0456554272	0.8370740494	0.9999763851
SRGAP3	-4.018630071	0.0332148527	0.9999763851
THUMPD3	1.1862630021	0.4075195454	0.9999763851
SETD5	-1.181070644	0.218698143	0.9999763851
LHFPL4	3.2361532718	0.5546934395	0.9999763851
MTMR14	-1.0558994764	0.7685427489	0.9999763851
CPNE9	2.9534611339	0.194219602	0.9999763851
BRPF1	1.0314917624	0.8506219087	0.9999763851
OGG1	-1.2909260049	0.1369812943	0.9999763851
CAMK1	0	0	0
TADA3	1.091662145	0.6866751692	0.9999763851
ARPC4	1.1375239018	0.4419371741	0.9999763851
ARPC4-TTLL3	0	0	0
TTLL3	-1.0019250308	0.9939583944	0.9999763851
RPUSD3	-1.1410465573	0.4485492182	0.9999763851
CIDEC	0	0	0
JAGN1	-1.0576824332	0.7330036675	0.9999763851
IL17RE	1.0304093918	0.9664855273	0.9999763851
IL17RC	-1.8173414279	0.4639470588	0.9999763851
CRELD1	1.1959239111	0.7311287311	0.9999763851
PRRT3	-7.5622178268	0.2177145568	0.9999763851
EMC3	-1.0437297612	0.7728017795	0.9999763851
LOC401052	1.2044957046	0.4531537824	0.9999763851
FANCD2	-1.4162910309	0.2544841531	0.9999763851
FANCD2OS	1.5322833884	0.0118674101	0.9999763851
BRK1	1.1184858665	0.3854711568	0.9999763851
VHL	-1.3974022382	0.0290985738	0.9999763851
IRAK2	-1.5730923026	0.130151282	0.9999763851
TATDN2	-1.1225303251	0.4648594309	0.9999763851
GHRL	-1.1488069744	0.8543538549	0.9999763851
SEC13	1.1066405779	0.4749992385	0.9999763851
ATP2B2	-1.5447668635	0.5555166043	0.9999763851
SLC6A11	0	0	0
HRH1	1.0004240003	0.9986444717	0.9999763851
ATG7	-1.1267348979	0.490798587	0.9999763851
VGLL4	-1.0080901155	0.9615569158	0.9999763851
TAMM41	1.040875015	0.8496813845	0.9999763851
TIMP4	-4.2864494036	0.4027150576	0.9999763851
PPARG	1.0623332917	0.8119056555	0.9999763851
TSEN2	1.4672224812	0.1710384784	0.9999763851
MKRN2OS	-1.4081850562	0.65013235	0.9999763851
MKRN2	1.3127130603	0.2395461498	0.9999763851

gene_expression_table

RAF1	-1.1071698394	0.6542091221	0.9999763851
TMEM40	0	0	0
CAND2	7.4933530102	0.2989396898	0.9999763851
RPL32	1.0287151038	0.8081143108	0.9999763851
IQSEC1	1.0332635126	0.8869647729	0.9999763851
NUP210	1.0453770233	0.730295552	0.9999763851
HDAC11	-2.7940687382	0.0568493373	0.9999763851
FBLN2	0	0	0
CHCHD4	1.1102781544	0.5206172992	0.9999763851
TMEM43	-1.1752097473	0.4680949095	0.9999763851
XPC	-1.0883473716	0.7627548108	0.9999763851
LSM3	1.1397783878	0.3148169451	0.9999763851
SLC6A6	-1.3415713902	0.0665190302	0.9999763851
CCDC174	1.004888712	0.987330815	0.9999763851
C3orf20	1.0686473141	0.8890315687	0.9999763851
FGD5	-4.2849908816	0.4028453076	0.9999763851
NR2C2	-1.3464551322	0.2280016849	0.9999763851
MRPS25	1.0012684488	0.9932513762	0.9999763851
RBSN	-1.2003374826	0.4292591695	0.9999763851
CAPN7	1.2553257784	0.2869455725	0.9999763851
SH3BP5	1.007076005	0.9686154191	0.9999763851
METTL6	1.3382482306	0.2792513666	0.9999763851
EAH1	-1.1759955159	0.4516963407	0.9999763851
COLQ	-1.4840867037	0.2713885716	0.9999763851
HACL1	-1.349716291	0.2570146444	0.9999763851
BTD	1.0922041155	0.8273107258	0.9999763851
ANKRD28	-1.3767791716	0.0460540382	0.9999763851
GALNT15	3.2353357581	0.554787377	0.9999763851
DPH3	1.2691034552	0.2568972474	0.9999763851
OXNAD1	1.322243449	0.0932391268	0.9999763851
RFTN1	-1.3428126404	0.3782957564	0.9999763851
PLCL2	1.0075327263	0.9863553957	0.9999763851
TBC1D5	1.2357949024	0.2108171523	0.9999763851
LOC339862	-1.8164522609	0.1477357667	0.9999763851
SATB1	-1.1595432777	0.3049584518	0.9999763851
RAB5A	1.1738981864	0.3164260599	0.9999763851
PP2D1	16.6918753579	0.1320521391	0.9999763851
KAT2B	-1.2473636661	0.4846479579	0.9999763851
SGO1	-1.0475916265	0.8019187081	0.9999763851
ZNF385D	7.7488609396	0.3059383556	0.9999763851
UBE2E2	1.4054848718	0.2996660234	0.9999763851
UBE2E1	-1.0940932977	0.7230490882	0.9999763851
NKIRAS1	1.1325197708	0.3350055184	0.9999763851
RPL15	1.0589733125	0.6269142279	0.9999763851
NR1D2	-1.4410787947	0.4050751534	0.9999763851
RARB	1.3264789913	0.7365958046	0.9999763851
TOP2B	1.0478263509	0.7016755118	0.9999763851
NGLY1	-1.0834540683	0.6362328654	0.9999763851
OXSM	-1.0426858592	0.8795744584	0.9999763851

gene_expression_table

NEK10	2.3090331185	0.1558297642	0.9999763851
SLC4A7	1.067768791	0.7609120272	0.9999763851
EOMES	5.4784711963	0.3745358536	0.9999763851
CMC1	1.1195603727	0.5863939411	0.9999763851
AZI2	1.1276762637	0.499121037	0.9999763851
ZCWPW2	2.8345356849	0.3327756039	0.9999763851
TGFB2	1.0055675201	0.9822270647	0.9999763851
STT3B	1.0045017876	0.9749817907	0.9999763851
OSBPL10	0	0	0
GPD1L	-1.4487308991	0.0744995686	0.9999763851
CMTM8	-1.0214219889	0.9548364502	0.9999763851
CMTM7	1.1406010161	0.5341857646	0.9999763851
CMTM6	-1.250469408	0.0703500523	0.9999763851
DYNC1LI1	1.3843067166	0.1118360057	0.9999763851
CNOT10	-1.2619950065	0.4048294927	0.9999763851
TRIM71	-1.9429501577	0.2004535376	0.9999763851
GLB1	-1.0504794572	0.7365524079	0.9999763851
CRTAP	-1.2736912009	0.0758954065	0.9999763851
FBXL2	2.8676515213	0.2915761253	0.9999763851
UBP1	-1.0752055631	0.6291853231	0.9999763851
CLASP2	-1.1610091359	0.4320930931	0.9999763851
PDCD6IP	-1.1983893958	0.2820790897	0.9999763851
STAC	-1.0269784107	0.9486325388	0.9999763851
EPM2AIP1	1.0717816676	0.7242224313	0.9999763851
MLH1	1.3299277551	0.1409753694	0.9999763851
LRRFIP2	1.0785932459	0.706945258	0.9999763851
GOLGA4	-1.3905315185	0.0219224215	0.9999763851
C3orf35	-1.8717794426	0.3395007389	0.9999763851
ITGA9	-1.5733616565	0.3774394479	0.9999763851
CTDSPL	1.1539201667	0.4311058932	0.9999763851
VILL	-1.6039579189	0.1805367231	0.9999763851
PLCD1	18.0173590016	0.1388117476	0.9999763851
DLEC1	1.6246521587	0.5746381271	0.9999763851
ACAA1	-1.0295529533	0.8650338596	0.9999763851
MYD88	1.5289821076	0.0585515538	0.9999763851
OXSRI	-1.0330184437	0.8712528786	0.9999763851
SLC22A14	3.2353357581	0.554787377	0.9999763851
XYLB	-1.2174112535	0.2692664988	0.9999763851
ACVR2B	1.0625449955	0.8540412275	0.9999763851
EXO2	1.9363876517	0.048611527	0.9999763851
SCN5A	-1.8164818713	0.4779791507	0.9999763851
SCN10A	0	0	0
SCN11A	-4.2849908816	0.4028453076	0.9999763851
WDR48	1.0897050618	0.7209698274	0.9999763851
GORASP1	1.3839674353	0.3978612769	0.9999763851
TTC21A	3.2353357581	0.554787377	0.9999763851
CSRNP1	-1.7191583623	0.0501804363	0.9999763851
XIRP1	-8.342239448	0.2163081661	0.9999763851
CX3CR1	2.4012906669	0.0538026956	0.9999763851

gene_expression_table

SLC25A38	-1.334034802	0.0815532523	0.9999763851
RPSA	1.0717623891	0.5628741385	0.9999763851
MYRIP	-1.1953557556	0.7975410711	0.9999763851
EIF1B	1.0185260796	0.9108009824	0.9999763851
ENTPD3	0	0	0
RPL14	1.0177508349	0.8910703578	0.9999763851
ZNF619	-1.1548225619	0.7833257766	0.9999763851
ZNF620	2.3405535777	0.4308645521	0.9999763851
ZNF621	1.1170664285	0.7693185044	0.9999763851
CTNNB1	-1.0215252336	0.8811382445	0.9999763851
ULK4	1.6845986357	0.1416753386	0.9999763851
TRAK1	-1.1775891752	0.3463772208	0.9999763851
SEC22C	1.1174244077	0.5507149401	0.9999763851
SS18L2	-1.2641030885	0.1406550747	0.9999763851
NKTR	-1.2681687265	0.1638393158	0.9999763851
ZBTB47	1.8415859751	0.0332598878	0.9999763851
CCDC13	2.9291342347	0.3283490844	0.9999763851
HIGD1A	1.3143274591	0.0651441084	0.9999763851
ACKR2	1.1723339317	0.7697497117	0.9999763851
FAM198A	-2.7031708163	0.0244698715	0.9999763851
POMGNT2	1.0190202406	0.9128029301	0.9999763851
SNRK	-1.1832772497	0.4216762857	0.9999763851
ANO10	-1.23763864	0.4053514189	0.9999763851
ABHD5	1.3958741906	0.2346355976	0.9999763851
TOPAZ1	0	0	0
TCAIM	-1.0866861808	0.6977980858	0.9999763851
ZNF445	-1.4319310951	0.2119951858	0.9999763851
ZNF852	1.566866561	0.3081323845	0.9999763851
ZKSCAN7	0	0	0
ZNF197	-1.0292467562	0.9407412209	0.9999763851
ZNF35	1.1897545502	0.7989394451	0.9999763851
KIAA1143	1.009163893	0.9483005362	0.9999763851
KIF15	1.1225444413	0.5877998829	0.9999763851
TMEM42	-1.1598170686	0.6114323215	0.9999763851
TGM4	-1.3717398996	0.7338113203	0.9999763851
ZDHHC3	-1.1136408878	0.474869207	0.9999763851
EXOSC7	1.0500351774	0.7351020077	0.9999763851
CLEC3B	1.3409143441	0.7126222688	0.9999763851
CDCP1	-1.4290145507	0.5263961287	0.9999763851
TMEM158	-1.8381419039	3.47E-05	0.0718176673
LARS2	1.0405342131	0.8746924846	0.9999763851
LIMD1	-1.3513996155	0.2846240039	0.9999763851
SACM1L	-1.0646522032	0.6458156236	0.9999763851
SLC6A20	0	0	0
LZTFL1	-1.0503551024	0.7992238996	0.9999763851
FYCO1	1.2055907042	0.6104066983	0.9999763851
CCR1	-1.6849455268	0.0983348929	0.9999763851
CCR3	1.286354513	0.820733428	0.9999763851
CCR2	16.6960867465	0.1348328872	0.9999763851

gene_expression_table

CCRL2	-1.3721150467	0.7447608683	0.9999763851
LTF	-1.9507065805	0.3146843414	0.9999763851
LRRC2	0	0	0
TDGF1	0	0	0
PTH1R	0	0	0
CCDC12	1.3325320271	0.0922206878	0.9999763851
NBEAL2	1.1951278832	0.3510620049	0.9999763851
SETD2	-1.0570765965	0.7364368405	0.9999763851
KIF9	-1.055371679	0.7914033392	0.9999763851
KLHL18	1.6965654779	0.0306084394	0.9999763851
PTPN23	1.2425710678	0.3065395238	0.9999763851
SCAP	1.0427310614	0.786892453	0.9999763851
ELP6	-1.1362490776	0.5673381854	0.9999763851
CSPG5	-7.5664585246	0.2265643942	0.9999763851
SMARCC1	-1.1643628995	0.2304893968	0.9999763851
DHX30	1.2050419075	0.2011843909	0.9999763851
MAP4	1.1084478407	0.4663627025	0.9999763851
CDC25A	1.0680911555	0.6642944652	0.9999763851
CAMP	1.1601789857	0.8601794734	0.9999763851
ZNF589	-1.2603689241	0.5057108829	0.9999763851
NME6	-1.053044499	0.8407376939	0.9999763851
SPINK8	3.2353357581	0.554787377	0.9999763851
FBXW12	0	0	0
PLXNB1	-1.294661912	0.6305398827	0.9999763851
CCDC51	1.2013557477	0.2786685372	0.9999763851
TMA7	-1.0154187393	0.8974134317	0.9999763851
ATRIP	1.0089601549	0.9763413814	0.9999763851
TREX1	1.5022661609	0.1618609865	0.9999763851
SHISA5	-1.3364532799	0.0440299301	0.9999763851
PFKFB4	1.0207868011	0.9556409858	0.9999763851
COL7A1	1.079433243	0.8576945853	0.9999763851
UQCRC1	1.2064796723	0.2104636208	0.9999763851
TMEM89	3.2361532718	0.5546934395	0.9999763851
SLC26A6	1.118477166	0.693116269	0.9999763851
CELSR3	-1.6218005948	0.4141172723	0.9999763851
NCKIPSD	1.5065159811	0.1258889398	0.9999763851
IP6K2	-1.2586364913	0.1681478956	0.9999763851
PRKAR2A	1.0183801972	0.8878884122	0.9999763851
SLC25A20	-1.4461583372	0.2018691835	0.9999763851
ARIH2OS	-1.3151016298	0.8209848177	0.9999763851
ARIH2	-1.0512004785	0.7166486665	0.9999763851
P4HTM	0	0	0
WDR6	1.2044969422	0.7915381575	0.9999763851
DALRD3	1.0216360171	0.8901636728	0.9999763851
NDUFAF3	1.1935092929	0.3256037592	0.9999763851
IMPDH2	-1.0868893997	0.6039213461	0.9999763851
QRICH1	1.1450961859	0.5364572909	0.9999763851
QARS	1.1297647221	0.4522697408	0.9999763851
USP19	-1.2730732952	0.1945546773	0.9999763851

gene_expression_table

CCDC71	1.112968273	0.5667916624	0.9999763851
KLHDC8B	-4.287394647	0.4026306792	0.9999763851
C3orf84	0	0	0
CCDC36	5.4770877341	0.3746135179	0.9999763851
C3orf62	-1.1344077061	0.7464283734	0.9999763851
USP4	1.4407884265	0.0439216841	0.9999763851
LOC107986084	1.2866381786	0.8226168136	0.9999763851
GPX1	1.0181788103	0.8841901527	0.9999763851
RHOA	1.0813294127	0.5118091751	0.9999763851
TCTA	1.2073106237	0.5647292456	0.9999763851
AMT	1.3652112359	0.5197398213	0.9999763851
NICN1	-1.086531101	0.7732150215	0.9999763851
DAG1	1.0816065448	0.7410029171	0.9999763851
APEH	1.2019178786	0.2176038003	0.9999763851
MST1	-1.2662554053	0.5405902545	0.9999763851
RNF123	-1.1094899287	0.6124824654	0.9999763851
AMIGO3	-1.571868157	0.3997137873	0.9999763851
GMPPB	-1.3360123905	0.5553974268	0.9999763851
IP6K1	1.2458110077	0.3273545291	0.9999763851
CDHR4	0	0	0
FAM212A	-1.4492943105	0.1819169842	0.9999763851
UBA7	1.4029474039	0.5112435416	0.9999763851
TRAIP	1.4269612769	0.2948756568	0.9999763851
CAMKV	-7.5622178268	0.2177145568	0.9999763851
MST1R	0	0	0
MON1A	1.2570816648	0.4967978932	0.9999763851
RBM6	1.10637051	0.5831500528	0.9999763851
RBM5	1.1745119895	0.3176497104	0.9999763851
SEMA3F	1.2668875868	0.6492200187	0.9999763851
GNAI2	1.1859683028	0.2025705929	0.9999763851
SEMA3B	1.3258241993	0.7378409434	0.9999763851
IFRD2	1.1505585744	0.3909206296	0.9999763851
HYAL3	1.4232167389	0.2290981588	0.9999763851
NAT6	-2.4060847021	0.025561888	0.9999763851
HYAL1	5.4784711963	0.3745358536	0.9999763851
HYAL2	-1.2022077587	0.5648776522	0.9999763851
TUSC2	-1.099290443	0.622775354	0.9999763851
RASSF1	-1.4364298205	0.0525935931	0.9999763851
ZMYND10	-1.148669206	0.8578196038	0.9999763851
NPRL2	1.3267267255	0.1078827133	0.9999763851
CYB561D2	1.3623915418	0.2598492146	0.9999763851
TMEM115	1.1385385199	0.565983322	0.9999763851
CACNA2D2	1.8685954806	0.5480020904	0.9999763851
C3orf18	1.7330034736	0.1931047234	0.9999763851
HEMK1	1.008711577	0.9781373666	0.9999763851
CISH	-1.0607911621	0.8243468088	0.9999763851
MAPKAPK3	1.0674408861	0.6857148619	0.9999763851
MANF	-1.2842339611	0.1088014636	0.9999763851
RBM15B	-1.1465585236	0.3686786284	0.9999763851

gene_expression_table

VPRBP	-1.1215421365	0.628602949	0.9999763851
RAD54L2	-1.035563939	0.8512324164	0.9999763851
TEX264	1.1010967543	0.6584734852	0.9999763851
RRP9	1.4528148907	0.0646924354	0.9999763851
PARP3	1.1536660933	0.6311394132	0.9999763851
PCBP4	1.0630267301	0.8302649895	0.9999763851
ABHD14B	1.5036434156	0.020672614	0.9999763851
ABHD14A	1.206409269	0.5178664215	0.9999763851
ABHD14A-ACY1	-31.0891925927	0.0379638326	0.9999763851
ACY1	-1.1714401286	0.4653538541	0.9999763851
RPL29	1.1348291983	0.2860303677	0.9999763851
DUSP7	-1.2655429917	0.2810170373	0.9999763851
POC1A	-1.3870331004	0.0909580128	0.9999763851
ALAS1	-1.3431951387	0.1602276443	0.9999763851
TLR9	2.3918191881	0.1134620566	0.9999763851
TWF2	-1.2528705581	0.1915441461	0.9999763851
PPM1M	-1.2909116169	0.5669662911	0.9999763851
WDR82	1.1168592529	0.4062727201	0.9999763851
GLYCTK	1.6712807673	0.4611016166	0.9999763851
DNAH1	-1.318758176	0.5780306891	0.9999763851
BAP1	1.2092857934	0.2657621708	0.9999763851
PHF7	-1.3824878834	0.0760843585	0.9999763851
SEMA3G	1.3716875655	0.3001268341	0.9999763851
NISCH	1.0744379843	0.7406030408	0.9999763851
NT5DC2	1.062034588	0.8439791066	0.9999763851
SMIM4	1.4403855545	0.0195705699	0.9999763851
PBRM1	-1.0202071526	0.9018105178	0.9999763851
GNL3	1.1423785752	0.3490961165	0.9999763851
GLT8D1	-1.1432929983	0.4786635641	0.9999763851
SPCS1	1.2652883548	0.1175221587	0.9999763851
NEK4	1.25484259	0.4035220135	0.9999763851
ITIH4	1.5114252137	0.3657064773	0.9999763851
MUSTN1	7.7199860138	0.2826011338	0.9999763851
TMEM110	-1.2981616433	0.2819922572	0.9999763851
SFMBT1	1.1516812757	0.6214011268	0.9999763851
LOC105377135	1.0274983165	0.9757481446	0.9999763851
RFT1	-1.3809935403	0.0745629145	0.9999763851
PRKCD	-1.0970845745	0.6140752348	0.9999763851
TKT	1.0544997161	0.7493719153	0.9999763851
DCP1A	-1.0449757749	0.8223454459	0.9999763851
CACNA1D	3.2361532718	0.5546934395	0.9999763851
IL17RB	-1.4386322103	0.4485935632	0.9999763851
ACTR8	-1.0560428932	0.8092423462	0.9999763851
SELK	-1.0709099804	0.7311887482	0.9999763851
CACNA2D3	1.5012317313	0.007362	0.9999763851
WNT5A	0	0	0
CCDC66	1.2447981031	0.2946166604	0.9999763851
FAM208A	-1.2808206717	0.2766327271	0.9999763851
ARHGEF3	-1.433835654	0.0754697903	0.9999763851

gene_expression_table

SPATA12	-1.1495270598	0.8432431454	0.9999763851
HESX1	-1.3709710942	0.7487098914	0.9999763851
APPL1	-1.2954282256	0.3557036608	0.9999763851
ASB14	-1.2474039722	0.2092845849	0.9999763851
PDE12	-1.3268415177	0.0543962715	0.9999763851
ARF4	-1.029760818	0.8261470739	0.9999763851
DENND6A	-1.0179271407	0.9712458391	0.9999763851
SLMAP	-1.2023597996	0.4089025179	0.9999763851
FLNB	1.0106445256	0.9438235523	0.9999763851
LOC105377650	-4.2864494036	0.4027150576	0.9999763851
DNASE1L3	0	0	0
ABHD6	-1.3020370284	0.3743615908	0.9999763851
RPP14	1.1808778314	0.4742222503	0.9999763851
PXK	-1.0936020386	0.5419470112	0.9999763851
PDHB	1.1283951438	0.5021333572	0.9999763851
KCTD6	2.3090611935	0.1771782426	0.9999763851
ACOX2	2.5225909253	0.0990722959	0.9999763851
FAM107A	0	0	0
FAM3D	-1.3154339304	0.8205576571	0.9999763851
C3orf67	0	0	0
FHIT	-1.4331262132	0.4996837349	0.9999763851
PTPRG	-1.0523028827	0.7128055231	0.9999763851
CADPS	-1.3151016298	0.821010945	0.9999763851
SYNPR	3.2353357581	0.554787377	0.9999763851
THOC7	1.3001255069	0.0709121042	0.9999763851
ATXN7	-1.6156840739	0.0142518415	0.9999763851
PSMD6	1.5431751623	0.0168415862	0.9999763851
PRICKLE2	0	0	0
ADAMTS9	-1.5367359325	0.4414005628	0.9999763851
MAGI1	5.4781708352	0.3745527127	0.9999763851
SLC25A26	1.2230601644	0.340329827	0.9999763851
LRIG1	-1.0356699342	0.9588830561	0.9999763851
KBTBD8	2.0914187992	0.0461059561	0.9999763851
SUCLG2	-1.321776646	0.1167072645	0.9999763851
EOGT	1.1614567738	0.7167575371	0.9999763851
TMF1	-1.2398489956	0.4365061081	0.9999763851
UBA3	1.1289396586	0.4682721371	0.9999763851
ARL6IP5	-1.0240098	0.873655646	0.9999763851
FRMD4B	-1.2848784482	0.4453886241	0.9999763851
MITF	-1.559876047	0.3820186292	0.9999763851
FOXP1	1.0863499396	0.5825911636	0.9999763851
EIF4E3	1.2015752383	0.3079674235	0.9999763851
PROK2	1.0986927862	0.7362073779	0.9999763851
RYBP	-1.0672101765	0.6896426489	0.9999763851
SHQ1	1.1158188329	0.6031230408	0.9999763851
GXYLT2	-2.9105919729	0.0649478678	0.9999763851
PPP4R2	1.0114932557	0.9371914059	0.9999763851
CNTN3	0	0	0
ZNF717	7.7211724672	0.2779709379	0.9999763851

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ROBO1	0	0	0
GBE1	-1.0061687211	0.9703935322	0.9999763851
CADM2	12.2055584829	0.17807181	0.9999763851
CHMP2B	1.1959537026	0.2915277672	0.9999763851
POU1F1	0	0	0
HTR1F	0	0	0
CGGBP1	1.0077751846	0.9610768337	0.9999763851
ZNF654	1.0452015979	0.8444188116	0.9999763851
C3orf38	1.2441935159	0.2768198796	0.9999763851
EPHA3	0	0	0
PROS1	1.1271106302	0.7655154619	0.9999763851
ARL13B	-1.0579648884	0.8583771357	0.9999763851
DHFRL1	-1.0103031309	0.9790520265	0.9999763851
NSUN3	-1.9110287029	0.1338317742	0.9999763851
EPHA6	1.1717179916	0.7699833094	0.9999763851
ARL6	-1.2948054853	0.60878962	0.9999763851
CRYBG3	-1.2204840837	0.7215920718	0.9999763851
MINA	1.150341172	0.5158985821	0.9999763851
GABRR3	3.2356557963	0.5547505991	0.9999763851
CLDND1	1.2304480623	0.4507309247	0.9999763851
CPOX	1.1445562619	0.4733118136	0.9999763851
ST3GAL6	-1.3531219507	0.2112117614	0.9999763851
DCBLD2	-1.6239009366	0.072955016	0.9999763851
COL8A1	-4.287394647	0.4026306792	0.9999763851
CMSS1	1.3274399103	0.0535222942	0.9999763851
TBC1D23	-1.2544461108	0.3660767516	0.9999763851
NIT2	-1.05396332	0.7731786445	0.9999763851
TOMM70	-1.3228420713	0.0348044416	0.9999763851
LNP1	-1.3722068069	0.7436936864	0.9999763851
TMEM45A	-1.6814919341	0.4672141193	0.9999763851
ADGRG7	5.4781708352	0.3745527127	0.9999763851
TFG	-1.086508216	0.5711392284	0.9999763851
IMPG2	1.2865522343	0.8248288601	0.9999763851
SENP7	-1.8524248627	0.0111026412	0.9999763851
TRMT10C	1.4460357287	0.0271500582	0.9999763851
PCNP	1.0521476734	0.6747860109	0.9999763851
ZBTB11	1.4213218371	0.0854192528	0.9999763851
RPL24	-1.0655664024	0.6235275006	0.9999763851
LOC105374013	-2.0607746097	0.3328245492	0.9999763851
CEP97	-1.1899313222	0.5113865898	0.9999763851
NXPE3	1.1300497749	0.3896473501	0.9999763851
NFKBIZ	1.0752693155	0.8002211296	0.9999763851
ALCAM	-3.0163924595	0.0577613048	0.9999763851
CBLB	-2.2903861361	0.0965124574	0.9999763851
BBX	-1.1940754517	0.3334027285	0.9999763851
CD47	1.1333650593	0.4622578721	0.9999763851
IFT57	1.034785049	0.8568061014	0.9999763851
MYH15	1.10776511	0.7764920144	0.9999763851
KIAA1524	1.2830248059	0.2986100436	0.9999763851

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DZIP3	1.2497919335	0.6951384701	0.9999763851
GUCA1C	-4.2849908816	0.4028453076	0.9999763851
MORC1	5.4770877341	0.3746135179	0.9999763851
DPPA2	0	0	0
DPPA4	0	0	0
NECTIN3	0	0	0
CD96	1.3280783098	0.1538805362	0.9999763851
PLCXD2	-3.3275701064	0.2301333816	0.9999763851
PHLDB2	0	0	0
ABHD10	1.1996908227	0.3461019033	0.9999763851
SLC9C1	5.4776292235	0.3745831165	0.9999763851
BTLA	-1.3158816768	0.8203229797	0.9999763851
ATG3	1.2067566644	0.3131054586	0.9999763851
SLC35A5	-1.1471946769	0.6895664555	0.9999763851
GTPBP8	-1.1901389799	0.4768102251	0.9999763851
NEPRO	-1.0424583423	0.7924047644	0.9999763851
LOC107986113	0	0	0
CFAP44	1.0986161065	0.8500854026	0.9999763851
SPICE1	-1.3149226732	0.6056882455	0.9999763851
SIDT1	-1.3154339304	0.8205576571	0.9999763851
USF3	-1.2483957135	0.589932625	0.9999763851
NAA50	-1.029028059	0.8480829196	0.9999763851
ATP6V1A	1.1213851828	0.5049916193	0.9999763851
ZDHHC23	1.3612513664	0.567051184	0.9999763851
CCDC191	1.1338327296	0.8700834379	0.9999763851
QTRT2	1.0752573285	0.7653207601	0.9999763851
DRD3	0	0	0
ZBTB20	-1.5352362153	0.3730103917	0.9999763851
IGSF11	0	0	0
B4GALT4	1.0344040943	0.9256505017	0.9999763851
ARHGAP31	-1.04266864	0.8914542338	0.9999763851
TMEM39A	1.0558861887	0.8335660469	0.9999763851
POGLUT1	-1.0375027647	0.8633055254	0.9999763851
TIMMDC1	1.0354266142	0.8270546839	0.9999763851
POPDC2	-4.2849908816	0.4028453076	0.9999763851
COX17	-1.1591526319	0.3560511583	0.9999763851
NR1I2	5.4776292235	0.3745831165	0.9999763851
GSK3B	-1.0913111269	0.6286214537	0.9999763851
GPR156	-2.0621986833	0.3113130119	0.9999763851
LRRC58	1.0922279939	0.6373266579	0.9999763851
NDUFB4	1.1544829114	0.3671804974	0.9999763851
HGD	-2.3222877795	0.4503451913	0.9999763851
RABL3	1.3551844819	0.2129861142	0.9999763851
GTF2E1	1.2314720159	0.4066519983	0.9999763851
STXBP5L	-1.8141758814	0.1955903771	0.9999763851
POLQ	1.1865803144	0.3321813005	0.9999763851
ARGFX	0	0	0
FBXO40	0	0	0
HCLS1	-1.1975317537	0.3144297203	0.9999763851

gene_expression_table

GOLGB1	-1.364060152	0.1669265564	0.9999763851
IQCB1	1.4605806774	0.0747851665	0.9999763851
EAF2	-1.2382236431	0.371051894	0.9999763851
SLC15A2	-2.0436668011	0.1732534927	0.9999763851
ILDR1	-1.8156851364	0.4778610011	0.9999763851
CD86	-3.3292136073	0.2379956236	0.9999763851
CASR	1.2867653957	0.8301799774	0.9999763851
CSTA	1.1763287397	0.2789094277	0.9999763851
CCDC58	-1.2451012674	0.3933266204	0.9999763851
FAM162A	-1.418614005	0.0405247107	0.9999763851
WDR5B	-1.5839476518	0.3957262794	0.9999763851
KPNA1	1.3584532803	0.1302371068	0.9999763851
PARP9	1.1244495853	0.7324308501	0.9999763851
DTX3L	1.0136044232	0.9410879452	0.9999763851
PARP14	-1.3806837706	0.2038033385	0.9999763851
HSPBAP1	-2.0856679879	0.0822658967	0.9999763851
DIRC2	1.1978957411	0.7182803215	0.9999763851
PDIA5	1.0343358777	0.9022552323	0.9999763851
SEC22A	-1.3178798201	0.2921924024	0.9999763851
ADCY5	0	0	0
HACD2	1.8992761065	0.0432932506	0.9999763851
MYLK	-2.2165521716	0.2490218059	0.9999763851
CCDC14	-1.2821340801	0.2870973127	0.9999763851
KALRN	0	0	0
UMPS	-1.0449918993	0.811453882	0.9999763851
ITGB5	-1.9345822491	0.0714793578	0.9999763851
HEG1	-1.2987563215	0.4604260968	0.9999763851
SLC12A8	-5.7100371403	0.0616082413	0.9999763851
ZNF148	-1.1150045063	0.5639239983	0.9999763851
SNX4	-1.3367762236	0.1520496104	0.9999763851
OSBPL11	1.0145080908	0.9817435881	0.9999763851
LOC105374312	-5.3392819425	0.0876453287	0.9999763851
ALG1L	1.9200533293	0.0254666832	0.9999763851
SLC41A3	-1.3313219867	0.3308205911	0.9999763851
ALDH1L1	7.0806012919	0.0454991489	0.9999763851
KLF15	2.5193387991	0.2487840621	0.9999763851
CFAP100	7.4933530102	0.2988796184	0.9999763851
LOC105374089	3.2361532718	0.5546934395	0.9999763851
ZXDC	-1.4433762618	0.0582713305	0.9999763851
UROC1	1.0021081365	0.994793735	0.9999763851
CHST13	1.193773795	0.5217511196	0.9999763851
C3orf22	0	0	0
TXNRD3NB	1.9041554506	0.0443729241	0.9999763851
TXNRD3	-2.8993041198	0.1243070475	0.9999763851
CHCHD6	-1.123333201	0.7310221809	0.9999763851
PLXNA1	1.2850063457	0.3656600284	0.9999763851
TPRA1	1.0897055243	0.696900668	0.9999763851
MCM2	1.0032946365	0.9797291721	0.9999763851
PODXL2	-1.7352888029	0.3006003262	0.9999763851

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ABTB1	1.4979084202	0.3744068123	0.9999763851
MGLL	-1.0288739368	0.8730314715	0.9999763851
SEC61A1	-1.3613514316	0.2141122329	0.9999763851
RUVBL1	1.5091163311	0.006531	0.9999763851
EEFSEC	-1.043499337	0.9016183649	0.9999763851
GATA2	-1.1960111917	0.7988338311	0.9999763851
RPN1	-1.889485087	6.15E-05	0.1067663916
RAB7A	1.1416529658	0.2978133377	0.9999763851
ACAD9	1.5001230251	0.0349171674	0.9999763851
KIAA1257	-1.329606002	0.2995934432	0.9999763851
EFCC1	3.2361532718	0.5546934395	0.9999763851
RAB43	-1.1754554033	0.8029741723	0.9999763851
ISY1-RAB43	-1.9389267434	0.0582569698	0.9999763851
ISY1	1.5596843249	0.026964423	0.9999763851
CNBP	1.1533170375	0.3805088729	0.9999763851
COPG1	1.2715838875	0.3820797756	0.9999763851
HMCEs	-1.1817352051	0.439209796	0.9999763851
H1FX	1.0703540063	0.6869977005	0.9999763851
EFCAB12	3.2361532718	0.5546934395	0.9999763851
MBD4	-1.2057059345	0.3256494347	0.9999763851
IFT122	-1.1004004339	0.7633567856	0.9999763851
RHO	0	0	0
H1FOO	-4.287394647	0.4026306792	0.9999763851
PLXND1	-1.0908978969	0.6386477162	0.9999763851
TMCC1	1.0758950116	0.8118089378	0.9999763851
ALG1L2	-1.9507065805	0.3140694428	0.9999763851
COL6A6	0	0	0
PIK3R4	-1.1384797168	0.7089230503	0.9999763851
ATP2C1	-1.3173035742	0.196566555	0.9999763851
ASTE1	2.8283024368	0.1159001738	0.9999763851
NEK11	1.1330495498	0.8752853443	0.9999763851
NUDT16	-1.2790937307	0.459461889	0.9999763851
MRPL3	1.0877945579	0.5511625589	0.9999763851
CPNE4	1.133559305	0.8722117747	0.9999763851
ACPP	1.2874012553	0.8191714702	0.9999763851
DNAJC13	1.7008710294	0.1181825924	0.9999763851
ACAD11	1.0421519038	0.9130657926	0.9999763851
UBA5	1.4485955787	0.1556588297	0.9999763851
NPHP3	1.2261550526	0.6297653084	0.9999763851
BFSP2	0	0	0
CDV3	-1.2095416571	0.1468645937	0.9999763851
TOPBP1	-1.000571662	0.9974872961	0.9999763851
SRPRB	1.1203203707	0.4407196439	0.9999763851
RAB6B	-1.4154271261	0.6105519133	0.9999763851
RYK	-1.4196169208	0.1985608003	0.9999763851
ANAPC13	1.2937699588	0.2322744005	0.9999763851
CEP63	-1.1206833447	0.6919882854	0.9999763851
KY	5.4770877341	0.3746135179	0.9999763851
EPHB1	3.2356557963	0.5547505991	0.9999763851

gene_expression_table

PPP2R3A	3.2353357581	0.554787377	0.9999763851
MSL2	-1.0290040451	0.8948327409	0.9999763851
PCCB	-1.3703195315	0.1804244061	0.9999763851
STAG1	-1.0990950867	0.6835688835	0.9999763851
SLC35G2	-1.0115279726	0.9793242514	0.9999763851
NCK1	1.325472434	0.3244849119	0.9999763851
CLDN18	3.0263279955	0.3115123768	0.9999763851
DZIP1L	-1.1182596865	0.8416090494	0.9999763851
DBR1	1.36433666	0.3165024618	0.9999763851
ARMC8	-1.1206637347	0.6995450574	0.9999763851
NME9	2.2039386922	0.0871165417	0.9999763851
MRAS	1.1215631341	0.736840376	0.9999763851
ESYT3	3.2361532718	0.5546934395	0.9999763851
CEP70	-2.3214980365	0.4340847305	0.9999763851
FAIM	0	0	0
PIK3CB	-1.0044235021	0.98014716	0.9999763851
MRPS22	3.0817853726	0.0812207485	0.9999763851
COPB2	-1.0905174599	0.5833727256	0.9999763851
RBP1	0	0	0
NMNAT3	1.1586670295	0.6787876709	0.9999763851
CLSTN2	7.7488609396	0.3060188822	0.9999763851
SLC25A36	-1.1477604482	0.4262419206	0.9999763851
PXYLP1	1.0954376344	0.8124072421	0.9999763851
ZBTB38	1.0783381642	0.8865784378	0.9999763851
RASA2	-1.0031005329	0.9909261704	0.9999763851
RNF7	1.5115371712	0.011745776	0.9999763851
ATP1B3	1.1065199984	0.4558271206	0.9999763851
TFDP2	-1.0032631199	0.989578547	0.9999763851
GK5	-1.2491605722	0.5052323166	0.9999763851
XRN1	-1.0079813763	0.973906207	0.9999763851
ATR	1.1163191522	0.7491071181	0.9999763851
PLS1	2.9500515526	0.0661112868	0.9999763851
TRPC1	-10.183182718	0.0189055694	0.9999763851
PCOLCE2	1.015287222	0.9606934461	0.9999763851
U2SURP	1.1699132347	0.2551432936	0.9999763851
CHST2	-1.2766016143	0.2113230031	0.9999763851
SLC9A9	1.3140287705	0.2896217013	0.9999763851
C3orf58	-1.4175084152	0.1762733961	0.9999763851
PLSCR2	-4.2864494036	0.4027150576	0.9999763851
PLSCR1	1.4160330642	0.3696201134	0.9999763851
AGTR1	0	0	0
GYG1	1.4916053228	0.0230472735	0.9999763851
HLTF	1.2411653478	0.4243373204	0.9999763851
HPS3	-1.0122062592	0.9576506294	0.9999763851
TM4SF18	3.2353357581	0.554787377	0.9999763851
TM4SF1	-20.6759688086	0.0533591965	0.9999763851
WWTR1	1.1334755146	0.7159284901	0.9999763851
COMMD2	1.1169392129	0.5695515988	0.9999763851
ANKUB1	0	0	0

gene_expression_table

RNF13	-1.0705624897	0.7909327981	0.9999763851
PFN2	-14.1139127893	0.1026741279	0.9999763851
TMEM183B	1.1866562053	0.243979103	0.9999763851
TSC22D2	-1.5040659276	0.1812830095	0.9999763851
SERP1	1.2480385638	0.0783297525	0.9999763851
EIF2A	-1.3491447492	0.2107029877	0.9999763851
SELT	-1.1466450818	0.3333040997	0.9999763851
ERICH6	3.2353357581	0.554787377	0.9999763851
SIAH2	-1.193068942	0.3118797431	0.9999763851
MED12L	1.03080245	0.9607462247	0.9999763851
GPR171	-4.2849908816	0.4028453076	0.9999763851
P2RY14	3.2361532718	0.5546934395	0.9999763851
IGSF10	1.0739559714	0.8227247301	0.9999763851
AADAC	1.287203384	0.8307715124	0.9999763851
SUCNR1	1.1828012293	0.2904246611	0.9999763851
MBNL1	-1.0816252979	0.5449949587	0.9999763851
RAP2B	-1.0646947091	0.6899067043	0.9999763851
DHX36	1.2891496731	0.3239619076	0.9999763851
GPR149	3.2353357581	0.554787377	0.9999763851
C3orf33	-1.4368678031	0.4210711557	0.9999763851
SLC33A1	-1.1014309721	0.7431639924	0.9999763851
GMPS	1.0778815819	0.6460767614	0.9999763851
KCNAB1	1.266669579	0.4830414795	0.9999763851
SSR3	1.0031182999	0.9802115072	0.9999763851
TIPARP	1.121767671	0.6120785446	0.9999763851
LEKR1	-1.1935389971	0.5020187721	0.9999763851
CCNL1	1.0844142186	0.7118782283	0.9999763851
VEPH1	-2.237494204	0.2906043448	0.9999763851
PTX3	-2.5458658279	0.1259180064	0.9999763851
SHOX2	-1.4285626083	0.2374738367	0.9999763851
RSRC1	1.2213200779	0.3659981823	0.9999763851
MLF1	-8.342239448	0.2161333573	0.9999763851
GFM1	1.044277047	0.7945210606	0.9999763851
MFSD1	1.4222314307	0.0411856249	0.9999763851
SCHIP1	-1.3740925027	0.4403496329	0.9999763851
IL12A	7.7211724672	0.2779709379	0.9999763851
C3orf80	-1.1773255455	0.5368400348	0.9999763851
IFT80	1.176064011	0.6340745022	0.9999763851
SMC4	1.1073248362	0.4071640736	0.9999763851
TRIM59	1.039782197	0.8555909553	0.9999763851
KPNA4	1.0626062953	0.7526470014	0.9999763851
PPM1L	-1.3867362463	0.41941401	0.9999763851
NMD3	-1.1785338781	0.3598328091	0.9999763851
WDR49	-4.2849908816	0.4028453076	0.9999763851
PDCD10	1.5868598332	0.0212106476	0.9999763851
SERPIN1	-2.6622871132	0.2012933849	0.9999763851
GOLIM4	-1.0831537958	0.714500085	0.9999763851
MECOM	-1.1354342752	0.4132114098	0.9999763851
ACTRT3	1.62522264	0.574692917	0.9999763851

gene_expression_table

MYNN	1.2525246941	0.5371126958	0.9999763851
LRRC34	3.2353357581	0.554787377	0.9999763851
SAMD7	0	0	0
SEC62	-1.0738961241	0.6228552324	0.9999763851
GPR160	1.3872744966	0.0519239027	0.9999763851
PHC3	-1.4869040765	0.0487453151	0.9999763851
PRKCI	-1.0399940248	0.9309503545	0.9999763851
SKIL	-1.3405418309	0.4923153716	0.9999763851
RPL22L1	1.2295312824	0.1628626064	0.9999763851
EIF5A2	1.5243873974	0.3198487405	0.9999763851
TNIK	-1.30841373	0.1515852228	0.9999763851
PLD1	1.0598758974	0.8008150816	0.9999763851
TMEM212	0	0	0
FNDC3B	-1.186582602	0.3294220045	0.9999763851
TNFSF10	1.012169218	0.9748507091	0.9999763851
NCEH1	-1.5412829136	0.4023437467	0.9999763851
ECT2	1.0407242035	0.8542573809	0.9999763851
NLGN1	-1.315303824	0.8206171563	0.9999763851
NAALADL2	3.2353357581	0.554787377	0.9999763851
TBL1XR1	-1.1941899888	0.2452560275	0.9999763851
ZMAT3	-1.1573184836	0.7542163964	0.9999763851
PIK3CA	-1.0988824076	0.7458773327	0.9999763851
KCNMB3	1.9656656116	0.3707760737	0.9999763851
ZNF639	-1.1822404165	0.5781405411	0.9999763851
MFN1	-1.2774889986	0.3888802003	0.9999763851
GNB4	1.3072620977	0.115035686	0.9999763851
ACTL6A	1.2852637101	0.1888240541	0.9999763851
MRPL47	1.3908277742	0.1720275416	0.9999763851
NDUFB5	-1.1469082456	0.4251682611	0.9999763851
USP13	-1.0921580628	0.6582349969	0.9999763851
PEX5L	-1.9659101454	0.4317898946	0.9999763851
TTC14	1.2351177415	0.3909414474	0.9999763851
FXR1	1.0250748735	0.9109887346	0.9999763851
DNAJC19	1.0343371087	0.8698879757	0.9999763851
ATP11B	-1.0134592009	0.9537656599	0.9999763851
DCUN1D1	1.0678398268	0.7957640667	0.9999763851
MCCC1	-1.101569338	0.6518870931	0.9999763851
LAMP3	0	0	0
MCF2L2	2.1957575791	0.307600681	0.9999763851
B3GNT5	1.1352440294	0.5624485733	0.9999763851
KLHL6	1.1028784299	0.8243955637	0.9999763851
KLHL24	-1.636255078	0.0689647976	0.9999763851
YEATS2	-1.7284583682	0.029756778	0.9999763851
MAP6D1	-2.7902229124	0.0442875052	0.9999763851
PARL	-1.0668614564	0.6852256418	0.9999763851
ABCC5	-1.0502418533	0.8323059812	0.9999763851
EIF2B5	-1.3384084533	0.0659253294	0.9999763851
DVL3	-1.7586402079	0.006934	0.9999763851
AP2M1	1.2252323556	0.1759188177	0.9999763851

gene_expression_table

ABCF3	-1.0276468447	0.9457563316	0.9999763851
ALG3	1.1381009579	0.4609074001	0.9999763851
ECE2	1.6353343936	0.0428548569	0.9999763851
CAMK2N2	-1.4347038381	0.3393964851	0.9999763851
PSMD2	1.030245285	0.8610167877	0.9999763851
EIF4G1	1.0204520903	0.878519736	0.9999763851
CLCN2	1.8742558907	0.2632551888	0.9999763851
POLR2H	-1.2823382844	0.1178527899	0.9999763851
CHRD	0	0	0
EPHB3	9.9312452783	0.2485677018	0.9999763851
MAGEF1	-1.0969243478	0.7325117665	0.9999763851
VPS8	-1.3055160532	0.2489096725	0.9999763851
C3orf70	-1.315303824	0.8206171563	0.9999763851
EHHADH	-1.2562050205	0.7082883295	0.9999763851
MAP3K13	-1.1142281527	0.5627279432	0.9999763851
TMEM41A	-1.0972966182	0.734342475	0.9999763851
SENP2	1.1891614677	0.5408643692	0.9999763851
IGF2BP2	-1.1600855189	0.5748796538	0.9999763851
TRA2B	1.1231176457	0.4382280626	0.9999763851
ETV5	-1.1521590587	0.3433829977	0.9999763851
DGKG	-2.1421506715	0.005164	0.9999763851
CRYGS	-7.5664585246	0.2265122542	0.9999763851
TBCCD1	1.1997581502	0.6805700871	0.9999763851
DNAJB11	-1.0589844835	0.7322090031	0.9999763851
HRG	0	0	0
KNG1	3.2361532718	0.5546934395	0.9999763851
EIF4A2	-1.3590588899	0.0433253619	0.9999763851
RFC4	-1.029944895	0.9121645386	0.9999763851
ST6GAL1	-1.0769217109	0.613285779	0.9999763851
RPL39L	-1.0233066419	0.9368943067	0.9999763851
BCL6	-1.7096752905	0.1029711582	0.9999763851
LPP	-1.3594690425	0.1796405858	0.9999763851
TP63	0	0	0
CLDN16	0	0	0
TMEM207	0	0	0
IL1RAP	1.2005852893	0.6046810427	0.9999763851
UTS2B	0	0	0
FGF12	0	0	0
MB21D2	1.2321174685	0.6710419103	0.9999763851
ATP13A4	1.0271815929	0.978028051	0.9999763851
OPA1	-1.0590971327	0.7642667327	0.9999763851
HES1	-13.1418879802	0.000152	0.2098020317
ATP13A3	1.2003249358	0.2994160788	0.9999763851
TMEM44	2.1124281032	0.1409457607	0.9999763851
LSG1	-1.1598792625	0.4208147841	0.9999763851
FAM43A	-1.3120672656	0.1291656231	0.9999763851
XXYLT1	-1.0331871839	0.8762068886	0.9999763851
ACAP2	1.1732183574	0.4030260011	0.9999763851
PPP1R2	1.0620475561	0.7886863846	0.9999763851

gene_expression_table

MUC20	1.4701226961	0.6325676268	0.9999763851
TNK2	1.0430366211	0.831492427	0.9999763851
LOC105374301	0	0	0
TFRC	1.2755563165	0.0555491828	0.9999763851
SLC51A	-1.2944792306	0.6141973559	0.9999763851
PCYT1A	1.1227331014	0.8019848471	0.9999763851
TCTEX1D2	1.3898325242	0.2021808174	0.9999763851
TM4SF19	-5.1487074295	0.003751	0.9999763851
UBXN7	-1.3785889735	0.0451035592	0.9999763851
RNF168	1.1934114606	0.4951632227	0.9999763851
SMCO1	3.2356557963	0.5547505991	0.9999763851
WDR53	1.0737815799	0.8607630547	0.9999763851
FBXO45	-1.0203955058	0.9069217783	0.9999763851
NRROS	-1.6244294592	0.0578579901	0.9999763851
CEP19	-1.2942163544	0.5121840697	0.9999763851
PIGX	-1.1644522501	0.4389351766	0.9999763851
PAK2	-1.0007072127	0.996346109	0.9999763851
SENP5	-1.061542734	0.7831165342	0.9999763851
NCBP2	1.0344049594	0.8640970697	0.9999763851
PIGZ	-1.6914686964	0.1719905867	0.9999763851
MELTF	-1.3381931295	0.1455118097	0.9999763851
DLG1	-1.0832744062	0.7179523204	0.9999763851
BDH1	1.216484259	0.2257162803	0.9999763851
RUBCN	-1.4213561069	0.1591309257	0.9999763851
FYTDD1	1.1521391975	0.4291728741	0.9999763851
LRCH3	-1.1538483885	0.5987491325	0.9999763851
IQCG	-1.05311448	0.8495209267	0.9999763851
RPL35A	-1.106422405	0.3859488717	0.9999763851
LMLN	1.6105560359	0.1658522727	0.9999763851
FAM157A	-4.7792357159	0.0182542221	0.9999763851
ZNF718	0	0	0
ZNF732	0	0	0
ZNF141	1.1264088673	0.3321538719	0.9999763851
ZNF721	-1.2705567171	0.503971729	0.9999763851
PIGG	1.1760872649	0.5968489971	0.9999763851
PDE6B	-1.315303824	0.8206171563	0.9999763851
ATP5I	1.0180072294	0.9028366698	0.9999763851
MYL5	-2.7217225437	0.0141203559	0.9999763851
MFSD7	0	0	0
PCGF3	-1.3527976385	0.0550932875	0.9999763851
CPLX1	0	0	0
GAK	1.2247927757	0.222768965	0.9999763851
TMEM175	1.1414405581	0.7946078199	0.9999763851
DGKQ	-1.0010232133	0.9970016742	0.9999763851
SLC26A1	1.1329115851	0.8742573041	0.9999763851
IDUA	1.8888297566	0.593759522	0.9999763851
FGFRL1	1.2630517183	0.4944535967	0.9999763851
SPON2	-1.2823592232	0.1829867057	0.9999763851
CTBP1	-1.0338563786	0.7988251259	0.9999763851

gene_expression_table

MAEA	1.4620014463	0.0440905242	0.9999763851
UVSSA	-1.9881850467	0.1813232557	0.9999763851
CRIPAK	-1.4349511833	0.4484662141	0.9999763851
FAM53A	-1.5697725216	0.2307806184	0.9999763851
SLBP	1.0268424454	0.8889614077	0.9999763851
TMEM129	-1.2134925058	0.2325885259	0.9999763851
TACC3	1.1129078934	0.4531742802	0.9999763851
FGFR3	9.9624059448	0.2315386396	0.9999763851
LETM1	1.0000573328	0.999733374	0.9999763851
WHSC1	-1.0820767385	0.6094193642	0.9999763851
NELFA	-1.2494520054	0.1591542191	0.9999763851
C4orf48	1.0876136086	0.8466977609	0.9999763851
NAT8L	-1.0866106505	0.7985619139	0.9999763851
POLN	1.5810707843	0.2137478199	0.9999763851
HAUS3	1.9298099233	0.2579707582	0.9999763851
MXD4	-1.1825399502	0.565673035	0.9999763851
ZFYVE28	-1.0485303181	0.8957156613	0.9999763851
CFAP99	0	0	0
RNF4	-1.2341676555	0.4532977448	0.9999763851
FAM193A	1.3731783823	0.23345049	0.9999763851
TNIP2	1.5040785766	0.1541308447	0.9999763851
SH3BP2	1.2770137422	0.2211383312	0.9999763851
ADD1	1.0956544562	0.5659602973	0.9999763851
MFSD10	1.0557483755	0.6696105047	0.9999763851
NOP14	-1.0687504927	0.6653018209	0.9999763851
GRK4	1.4693815047	0.3916238203	0.9999763851
HTT	-1.2426012352	0.2009990566	0.9999763851
MSANTD1	-1.6817502083	0.4746188271	0.9999763851
RGS12	-1.2443191648	0.3731727382	0.9999763851
LRPAP1	1.1870726488	0.1694177919	0.9999763851
ADRA2C	-1.315303824	0.8206171563	0.9999763851
TMEM128	1.2336156806	0.6360815995	0.9999763851
LYAR	1.0634526933	0.7140384016	0.9999763851
ZBTB49	-1.085116324	0.8529919374	0.9999763851
NSG1	-4.2864494036	0.4027150576	0.9999763851
STX18	1.2850675239	0.3721312582	0.9999763851
MSX1	1.0325803783	0.9229054902	0.9999763851
CYTL1	-1.0361486706	0.9389324599	0.9999763851
STK32B	-3.3272796812	0.2460356765	0.9999763851
EVC2	0	0	0
C4orf50	-2.5767557147	0.3126719162	0.9999763851
WFS1	0	0	0
PPP2R2C	-1.6268327642	0.2591915247	0.9999763851
MAN2B2	1.1650254167	0.3460393532	0.9999763851
MRFAP1	1.0727636309	0.6243406112	0.9999763851
S100P	1.1836417259	0.1878709638	0.9999763851
MRFAP1L1	1.3237198661	0.0784371357	0.9999763851
BLOC1S4	-1.1567051375	0.4875607336	0.9999763851
KIAA0232	-1.2797987247	0.3763859493	0.9999763851

gene_expression_table

TBC1D14	1.1772628259	0.3291238858	0.9999763851
CCDC96	6.368054416	0.3491474795	0.9999763851
TADA2B	1.1392776459	0.6517671668	0.9999763851
GRPEL1	1.1638151777	0.3916176955	0.9999763851
SORCS2	1.0463114448	0.8471144732	0.9999763851
AFAP1	3.2356557963	0.5547505991	0.9999763851
ABLIM2	3.6908783983	0.155915947	0.9999763851
SH3TC1	-2.3367314853	0.0123156375	0.9999763851
HTRA3	5.4776292235	0.3745831165	0.9999763851
ACOX3	-1.4161766541	0.209930935	0.9999763851
TRMT44	1.9562973384	0.1408713812	0.9999763851
HMX1	3.2356557963	0.5547505991	0.9999763851
FAM86KP	0	0	0
SLC2A9	-1.2422489176	0.4410732374	0.9999763851
WDR1	1.1012128055	0.4818630942	0.9999763851
ZNF518B	-1.7724666178	0.2815466456	0.9999763851
CLNK	0	0	0
RAB28	-1.25527926	0.3015839939	0.9999763851
NKX3-2	0	0	0
BOD1L1	1.010821934	0.9544491091	0.9999763851
CPEB2	-1.7410046481	0.157277291	0.9999763851
C1QTNF7	1.9668088044	0.3527516592	0.9999763851
CC2D2A	1.5100940589	0.5369787292	0.9999763851
FBXL5	1.1717067714	0.4154238468	0.9999763851
FAM200B	1.5176220905	0.2974567623	0.9999763851
BST1	-1.107597204	0.6321073823	0.9999763851
CD38	1.2202990301	0.2994968427	0.9999763851
FGFBP2	-1.082138348	0.7500888453	0.9999763851
PROM1	-1.7994722457	0.518998306	0.9999763851
TAPT1	-1.1587327924	0.4504971733	0.9999763851
QDPR	1.1327645257	0.5241970159	0.9999763851
LAP3	1.0186243512	0.9406683522	0.9999763851
MED28	-1.028441362	0.8699929784	0.9999763851
FAM184B	3.0102857067	0.108772236	0.9999763851
DCAF16	-1.0549102842	0.7512258104	0.9999763851
NCAPG	-1.0639280345	0.7504094943	0.9999763851
LCORL	-1.4910940494	0.0734346397	0.9999763851
PACRGL	1.7579989224	0.4436784171	0.9999763851
ADGRA3	1.0318771274	0.9421514932	0.9999763851
PPARGC1A	-2.1007484104	0.002553	0.9999763851
DHX15	1.2938164663	0.0711236451	0.9999763851
CCDC149	-1.3158816768	0.8203229797	0.9999763851
SEPSECS	-1.1374647481	0.8003136121	0.9999763851
PI4K2B	-1.0550790696	0.8220284989	0.9999763851
ZCCHC4	-1.0628052168	0.8947986973	0.9999763851
ANAPC4	1.0480911223	0.8509241908	0.9999763851
SEL1L3	-1.8455485512	0.0198729108	0.9999763851
SMIM20	1.2988912559	0.5035502254	0.9999763851
RBPJ	-1.1501262422	0.3568885261	0.9999763851

gene_expression_table

TBC1D19	-1.3955017315	0.6890604737	0.9999763851
STIM2	-1.4188455255	0.1787927395	0.9999763851
PCDH7	-1.3158816768	0.8203229797	0.9999763851
ARAP2	1.3659539746	0.4785017248	0.9999763851
DTHD1	0	0	0
C4orf19	-1.3375066151	0.5148613622	0.9999763851
RELL1	1.5915896242	0.0252829066	0.9999763851
PGM2	-1.0738016629	0.7424676907	0.9999763851
TBC1D1	-1.1208674434	0.4882228262	0.9999763851
PTTG2	-2.3214980365	0.434695234	0.9999763851
KLF3	-1.2874031024	0.436757811	0.9999763851
TLR1	-7.5647903763	0.2176246281	0.9999763851
FAM114A1	-1.0546608592	0.9396385026	0.9999763851
TMEM156	1.4845744246	0.5084253436	0.9999763851
KLHL5	1.0085894724	0.9714825084	0.9999763851
WDR19	-1.3199842814	0.5569193553	0.9999763851
RFC1	-1.0504740903	0.7470811106	0.9999763851
KLB	-4.287394647	0.4026306792	0.9999763851
RPL9	1.0360877857	0.807099414	0.9999763851
LIAS	-1.3366791839	0.3096603661	0.9999763851
UGDH	1.1022334604	0.7447771372	0.9999763851
SMIM14	-1.4865693181	0.1906690922	0.9999763851
UBE2K	-1.0759389286	0.6531413881	0.9999763851
PDS5A	-1.4348399905	0.012791086	0.9999763851
N4BP2	1.3139349046	0.5244614682	0.9999763851
RHOH	-1.6218880674	0.1070363003	0.9999763851
RBM47	1.0433636009	0.8769365528	0.9999763851
NSUN7	-7.5664585246	0.2264603451	0.9999763851
APBB2	1.1726446997	0.4911039614	0.9999763851
LIMCH1	0	0	0
TMEM33	1.1394892856	0.4086242246	0.9999763851
DCAF4L1	-3.5156187543	0.1697255493	0.9999763851
SLC30A9	1.2029382445	0.436962168	0.9999763851
ATP8A1	-1.560273095	0.2229754011	0.9999763851
YIPF7	-4.2849908816	0.4028453076	0.9999763851
GUF1	2.282706334	0.0125693986	0.9999763851
GNPDA2	2.7408203244	0.1806493815	0.9999763851
GABRB1	-4.2849908816	0.4028453076	0.9999763851
COMMD8	1.4383799478	0.1698610411	0.9999763851
ATP10D	1.1735024689	0.7592627571	0.9999763851
CORIN	1.8140611791	0.5846585145	0.9999763851
NFXL1	-1.2595156937	0.4879085401	0.9999763851
TXK	-3.1552159335	0.1779442196	0.9999763851
TEC	1.6245095224	0.5657710166	0.9999763851
SLAIN2	1.0117354529	0.9624421511	0.9999763851
FRYL	1.0003405083	0.9985850864	0.9999763851
OCIAD1	-1.2445861868	0.1079809318	0.9999763851
DCUN1D4	1.1127324824	0.7334314148	0.9999763851
USP46	1.1337334788	0.8709612797	0.9999763851

gene_expression_table

RASL11B	-1.315303824	0.8206171563	0.9999763851
SCFD2	1.0352267643	0.9145642358	0.9999763851
FIP1L1	-1.2162236182	0.2801527742	0.9999763851
LNK1	1.2800950129	0.6390483545	0.9999763851
CHIC2	-1.5345073782	0.1656900135	0.9999763851
KIT	1.3257077688	0.7618555768	0.9999763851
KDR	0	0	0
SRD5A3	1.2326051615	0.2608156415	0.9999763851
TMEM165	1.1911375557	0.3989151165	0.9999763851
CLOCK	-1.0136140271	0.983743704	0.9999763851
EXOC1	1.3049558338	0.3278150342	0.9999763851
CEP135	1.1878095634	0.6238044249	0.9999763851
AASDH	-1.2403869811	0.4373511546	0.9999763851
PPAT	-1.083581999	0.7360581786	0.9999763851
PAICS	1.2790418563	0.0787847729	0.9999763851
SRP72	1.1878680166	0.1863320189	0.9999763851
ARL9	0	0	0
REST	1.3166583482	0.2169957535	0.9999763851
NOA1	-1.2890966877	0.3299452005	0.9999763851
POLR2B	-1.1852990369	0.273914481	0.9999763851
IGFBP7	-1.0935440221	0.6856998492	0.9999763851
ADGRL3	-1.1950744547	0.6368039176	0.9999763851
EPHA5	1.068546911	0.6524476546	0.9999763851
CENPC	-1.0921731205	0.7828224972	0.9999763851
STAP1	1.1649666292	0.7558170958	0.9999763851
UBA6	-1.1643901678	0.4727495754	0.9999763851
GNRHR	0	0	0
TMPRSS11D	3.2353357581	0.554787377	0.9999763851
TMPRSS11F	0	0	0
YTHDC1	1.0876836535	0.6025775433	0.9999763851
UGT2A2	-4.2849908816	0.4028453076	0.9999763851
SULT1B1	3.2353357581	0.554787377	0.9999763851
UTP3	1.1171911976	0.5044975576	0.9999763851
RUFY3	-1.470438136	0.297146182	0.9999763851
GRSF1	-1.2509995584	0.1261100335	0.9999763851
MOB1B	-1.3618151029	0.4393753445	0.9999763851
DCK	1.2040053286	0.5182777697	0.9999763851
SLC4A4	0	0	0
COX18	-1.1072678687	0.6856011223	0.9999763851
ANKRD17	1.0610594126	0.7211217424	0.9999763851
CXCL8	-2.1226426784	0.0011	0.8381590036
CXCL6	1.2866381786	0.8225514932	0.9999763851
PF4V1	5.4781708352	0.3745527127	0.9999763851
PPBP	-4.3381560983	0.1571039335	0.9999763851
CXCL5	0	0	0
CXCL3	0	0	0
CXCL2	1.0299009028	0.9680669521	0.9999763851
MTHFD2L	1.4242050291	0.2197531218	0.9999763851
RCHY1	1.3443063725	0.2261165134	0.9999763851

gene_expression_table

THAP6	-3.1539335425	0.1560971771	0.9999763851
C4orf26	0	0	0
CDKL2	0	0	0
G3BP2	1.1920571081	0.301988519	0.9999763851
USO1	-1.2914170303	0.3077726524	0.9999763851
NAAA	1.0571697919	0.770543817	0.9999763851
SDAD1	1.1171301611	0.6348697452	0.9999763851
ART3	-2.3512645813	0.0806570148	0.9999763851
CXCL10	-1.1067104994	0.7535841099	0.9999763851
CXCL11	-4.2864494036	0.4027150576	0.9999763851
NUP54	-1.1348538065	0.6781680871	0.9999763851
SCARB2	-1.2410951018	0.3072402823	0.9999763851
FAM47E	-1.5416912797	0.6826008231	0.9999763851
FAM47E-STBD1	1.1902374898	0.8038783922	0.9999763851
STBD1	-1.7449096743	0.2147488318	0.9999763851
CCDC158	-5.7918925833	0.1508437595	0.9999763851
SHROOM3	0	0	0
SEPT11	1.2042940426	0.5447857733	0.9999763851
CCNI	1.1396213147	0.3001120811	0.9999763851
CCNG2	-1.5493290245	0.1869844655	0.9999763851
CXCL13	0	0	0
CNOT6L	1.2494804394	0.3805480153	0.9999763851
MRPL1	-1.155042445	0.4327751427	0.9999763851
FRAS1	1.0492709541	0.7843690435	0.9999763851
BMP2K	-1.1352818852	0.5825657649	0.9999763851
PAQR3	-1.0235316757	0.893631629	0.9999763851
NAA11	1.2051753167	0.2519354577	0.9999763851
ANTXR2	-1.0348695615	0.8736248246	0.9999763851
PRDM8	1.2552092302	0.3931284801	0.9999763851
LOC107986215	-1.3154339304	0.8205576571	0.9999763851
HNRNPD	1.1480102407	0.2732581953	0.9999763851
HNRNPDL	1.0698288225	0.5856906499	0.9999763851
ENOPH1	1.1130584483	0.6066227194	0.9999763851
TMEM150C	18.5663370642	5.83E-05	0.1067663916
SCD5	-1.4848881099	0.1400528121	0.9999763851
SEC31A	1.069516196	0.7680668318	0.9999763851
THAP9	2.027155953	0.4565858217	0.9999763851
LIN54	-1.2071175708	0.447080185	0.9999763851
COPS4	1.2106908088	0.4003582732	0.9999763851
PLAC8	-1.2759525062	0.4342237833	0.9999763851
COQ2	-1.2158285418	0.2668167718	0.9999763851
HPSE	1.5501349378	0.3909125046	0.9999763851
HELQ	2.7811444689	0.0480747177	0.9999763851
MRPS18C	-1.1384524923	0.4519739357	0.9999763851
FAM175A	-1.0833082856	0.8045678854	0.9999763851
GPAT3	1.202593002	0.5375763439	0.9999763851
CDS1	-1.3161718537	0.8283869414	0.9999763851
WDFY3	-1.5673900329	0.2105407982	0.9999763851
ARHGAP24	-1.8915159376	0.2432791975	0.9999763851

gene_expression_table

SLC10A6	0	0	0
C4orf36	7.7219356627	0.2871728309	0.9999763851
AFF1	1.0328722823	0.845197565	0.9999763851
KLHL8	1.0671989501	0.7980100737	0.9999763851
HSD17B13	-2.5600051511	0.2551953091	0.9999763851
HSD17B11	1.0001160746	0.9996121197	0.9999763851
NUDT9	1.3710545995	0.2990601602	0.9999763851
SPARCL1	0	0	0
SPP1	-16.7128947179	0	0
PKD2	1.2018106325	0.6260982749	0.9999763851
PPM1K	-1.2658500736	0.3573069364	0.9999763851
HERC6	-4.7486078443	0.0859010109	0.9999763851
HERC5	-2.1074911394	0.0553427893	0.9999763851
PIGY	1.5226701091	0.055863487	0.9999763851
PYURF	1.0462207029	0.8199302568	0.9999763851
HERC3	-1.3209946069	0.5352547278	0.9999763851
FAM13A	-1.1490595167	0.8521121188	0.9999763851
TIGD2	1.6427550276	0.3265931446	0.9999763851
GPRIN3	-1.1491729646	0.8479881239	0.9999763851
CCSER1	-1.3199491909	0.0790718867	0.9999763851
GRID2	3.2356557963	0.5547505991	0.9999763851
SMARCAD1	1.2186632612	0.4506048862	0.9999763851
HPGDS	0	0	0
PDLIM5	1.0147533103	0.9478754046	0.9999763851
UNC5C	-1.2271284135	0.530077268	0.9999763851
STPG2	1.0754508071	0.926308326	0.9999763851
RAP1GDS1	1.573611224	0.009066	0.9999763851
TSPAN5	-1.0982545278	0.7119501816	0.9999763851
EIF4E	1.1171100019	0.4669030604	0.9999763851
METAP1	1.0823874698	0.6635511912	0.9999763851
ADH5	-1.2813552179	0.1889398215	0.9999763851
TRMT10A	1.0984285422	0.8461403166	0.9999763851
DAPP1	-1.331698876	0.6378999261	0.9999763851
LAMTOR3	1.2140064845	0.5307303547	0.9999763851
DNAJB14	1.1161396164	0.703527385	0.9999763851
H2AFZ	-1.1518569535	0.2200050751	0.9999763851
EMCN	0	0	0
PPP3CA	-1.0837749694	0.6335918541	0.9999763851
BANK1	0	0	0
SLC39A8	1.422515618	0.0638353265	0.9999763851
NFKB1	1.2556376591	0.2039447703	0.9999763851
MANBA	-1.647097176	0.0180444493	0.9999763851
UBE2D3	-1.1299094468	0.30702579	0.9999763851
CISD2	-1.1096324395	0.5345519789	0.9999763851
SLC9B1	-2.3222877795	0.4504859661	0.9999763851
SLC9B2	1.077543515	0.7672214132	0.9999763851
BDH2	-1.013117539	0.9701845889	0.9999763851
CENPE	1.407373725	0.0708888024	0.9999763851
TACR3	3.2353357581	0.554787377	0.9999763851

gene_expression_table

TET2	-1.1960569267	0.6353434242	0.9999763851
PPA2	-1.0015539194	0.9925581341	0.9999763851
ARHGEF38	-1.3157515262	0.8225133873	0.9999763851
INTS12	-1.3406620238	0.3127239279	0.9999763851
GSTCD	1.0226914481	0.9437369346	0.9999763851
NPNT	0	0	0
TBCK	-1.2565638732	0.4464824629	0.9999763851
AIMP1	-1.0013722044	0.9935607105	0.9999763851
LOC107986216	0	0	0
PAPSS1	1.030038545	0.896396286	0.9999763851
SGMS2	-1.0356181086	0.9414035386	0.9999763851
CYP2U1	0	0	0
HADH	1.2582845488	0.1484634146	0.9999763851
LEF1	-4.2864494036	0.4027150576	0.9999763851
RPL34	-1.052130748	0.689442608	0.9999763851
OSTC	-1.0379316479	0.8081053725	0.9999763851
SEC24B	1.0928228087	0.7180987483	0.9999763851
CCDC109B	1.1571373806	0.5533393134	0.9999763851
CASP6	1.0853809703	0.6944615366	0.9999763851
PLA2G12A	1.2730221868	0.3544196166	0.9999763851
GAR1	1.2670246486	0.1080875721	0.9999763851
RRH	0	0	0
LRIT3	-4.287394647	0.4026306792	0.9999763851
ELOVL6	0	0	0
C4orf32	1.6822464147	0.163738542	0.9999763851
AP1AR	-1.2232674253	0.4292608793	0.9999763851
TIFA	1.1685062055	0.5938619413	0.9999763851
ALPK1	-1.5014218323	0.2037492959	0.9999763851
ZGRF1	-1.386022444	0.3394022199	0.9999763851
LARP7	1.401158557	0.1090562262	0.9999763851
ANK2	1.7768474191	0.0007473	0.6510516988
CAMK2D	1.1089323737	0.8152634383	0.9999763851
UGT8	6.368054416	0.3491544048	0.9999763851
NDST3	1.2869488883	0.8190393436	0.9999763851
PRSS12	1.3549794337	0.6408840014	0.9999763851
METTL14	1.0625563436	0.8542849361	0.9999763851
SEC24D	-1.1021096772	0.6056123818	0.9999763851
SYNPO2	1.286354513	0.820736494	0.9999763851
MYOZ2	0	0	0
USP53	1.1165323446	0.8615979356	0.9999763851
C4orf3	1.256153715	0.1781326305	0.9999763851
PDE5A	1.1617715381	0.7178733882	0.9999763851
MAD2L1	1.390514629	0.0563123885	0.9999763851
ANXA5	1.080888217	0.6411877792	0.9999763851
EXOSC9	1.0688402276	0.7336745199	0.9999763851
CCNA2	1.0067022434	0.9621296337	0.9999763851
BBS7	-1.0624089353	0.9009500062	0.9999763851
TRPC3	0	0	0
KIAA1109	-1.6192143192	0.1252442052	0.9999763851

gene_expression_table

BBS12	2.8919248679	0.3275957387	0.9999763851
FGF2	-2.5593885838	0.3085129336	0.9999763851
NUDT6	-2.293109698	0.0921057855	0.9999763851
SPATA5	1.0002073169	0.99944365	0.9999763851
SPRY1	1.9894954061	0.3034692612	0.9999763851
ANKRD50	-1.6253771944	0.5661731301	0.9999763851
FAT4	3.2353357581	0.554787377	0.9999763851
INTU	0	0	0
SLC25A31	0	0	0
HSPA4L	-1.1111893603	0.7045620482	0.9999763851
PLK4	1.3119415123	0.4298756636	0.9999763851
MFSD8	-1.5339127666	0.3597857662	0.9999763851
ABHD18	1.2522910089	0.265633347	0.9999763851
LARP1B	-1.4668342783	0.0964994245	0.9999763851
PGRMC2	1.0229148277	0.9002087051	0.9999763851
JADE1	1.2557321103	0.1974887377	0.9999763851
SCLT1	-1.1068523862	0.6387781806	0.9999763851
C4orf33	-1.0597336095	0.8940004901	0.9999763851
SLC7A11	-1.6032197253	0.0125000975	0.9999763851
NOCT	1.1226966385	0.7977141362	0.9999763851
ELF2	1.0848895405	0.7139498408	0.9999763851
MGARP	5.4784711963	0.3745358536	0.9999763851
NDUFC1	1.3936693387	0.0458513825	0.9999763851
NAA15	-1.2427274364	0.2199414353	0.9999763851
RAB33B	-1.2728224451	0.5872567352	0.9999763851
SETD7	-1.1060288371	0.6023401121	0.9999763851
MGST2	1.1033112629	0.4466290835	0.9999763851
MAML3	-1.22639426	0.4717370387	0.9999763851
SCOC	-1.1248296681	0.6581272647	0.9999763851
CLGN	2.1743121231	0.288220291	0.9999763851
ELMOD2	-1.4522487716	0.352541687	0.9999763851
RNF150	0	0	0
ZNF330	1.0574806748	0.7738404283	0.9999763851
INPP4B	-1.0013292194	0.9946423531	0.9999763851
USP38	-1.2852492726	0.3127201804	0.9999763851
GAB1	-1.2384147505	0.5737159702	0.9999763851
SMARCA5	1.1890487834	0.2807054778	0.9999763851
FREM3	0	0	0
HHIP	5.4776292235	0.3745831165	0.9999763851
ANAPC10	1.6643198842	0.2778787977	0.9999763851
ABCE1	1.1446474202	0.3478345501	0.9999763851
OTUD4	2.0340623597	0.006858	0.9999763851
SMAD1	0	0	0
MMAA	1.9538319373	0.3873463274	0.9999763851
C4orf51	5.4770877341	0.3746135179	0.9999763851
LSM6	-1.3517755293	0.1687594151	0.9999763851
SLC10A7	-1.1772401109	0.6801211517	0.9999763851
TMEM184C	1.0995934927	0.8356547924	0.9999763851
PRMT9	1.2792150955	0.3409378111	0.9999763851

gene_expression_table

ARHGAP10	-1.229834886	0.7597812191	0.9999763851
NR3C2	-2.3214980365	0.4351998275	0.9999763851
DCLK2	-4.2849908816	0.4028453076	0.9999763851
LRBA	-1.1376206353	0.7126403037	0.9999763851
RPS3A	-1.0858190464	0.5246830263	0.9999763851
SH3D19	9.9614219348	0.2203097956	0.9999763851
GATB	-1.6166137326	0.2594721822	0.9999763851
FBXW7	-1.2376108889	0.2890719164	0.9999763851
TMEM154	-1.0759294333	0.8469343959	0.9999763851
TIGD4	0	0	0
ARFIP1	2.5601600361	0.0710306602	0.9999763851
FHDC1	-1.3977001462	0.4854329951	0.9999763851
MND1	-1.0839831739	0.6826872775	0.9999763851
KIAA0922	-1.4032483146	0.1130334153	0.9999763851
TLR2	-1.8444638303	0.2881950487	0.9999763851
RNF175	0	0	0
SFRP2	0	0	0
PLRG1	-1.1239428	0.637306906	0.9999763851
FGB	5.4790129495	0.3753326899	0.9999763851
RBM46	3.2353357581	0.554787377	0.9999763851
ASIC5	5.4781708352	0.3745527127	0.9999763851
TDO2	-6.1820830156	0.0004033	0.4429482063
CTSO	-1.4336216598	0.5431179172	0.9999763851
GLRB	3.2353357581	0.554787377	0.9999763851
GRIA2	0	0	0
TMEM144	-1.2942500023	0.6174680893	0.9999763851
RXFP1	0	0	0
C4orf46	-1.13185205	0.5212886628	0.9999763851
ETFDH	-1.9154384599	0.0616699513	0.9999763851
PPID	1.0042502086	0.9834845588	0.9999763851
FNIP2	-1.8571734693	0.001165	0.8594669785
C4orf45	6.5213929566	0.0192650197	0.9999763851
RAPGEF2	-1.9857368557	0.1230135899	0.9999763851
FSTL5	0	0	0
NAF1	-1.1561682569	0.5338976513	0.9999763851
TMA16	-1.4350137047	0.0636087362	0.9999763851
MARCH1	-1.2620299418	0.7409721149	0.9999763851
ANP32C	-1.3717838846	0.7498319246	0.9999763851
APELA	0	0	0
TMEM192	1.1684511279	0.4778300295	0.9999763851
KLHL2	-1.3105381531	0.4324501055	0.9999763851
MSMO1	-1.2390044602	0.314149743	0.9999763851
CPE	-2.6603009385	0.1945638402	0.9999763851
SPOCK3	0	0	0
DDX60	1.2815256224	0.7940112845	0.9999763851
DDX60L	-1.4482994521	0.2640877781	0.9999763851
CBR4	-1.5537816711	0.0550063097	0.9999763851
SH3RF1	-1.5561198097	0.1915994258	0.9999763851
NEK1	-1.0448320985	0.9068158747	0.9999763851

gene_expression_table

CLCN3	-1.2291183436	0.3639434238	0.9999763851
HPF1	-1.204412426	0.3682537872	0.9999763851
MFAP3L	-1.4217670568	0.5902939428	0.9999763851
GALNTL6	5.4770877341	0.3746135179	0.9999763851
GALNT7	1.0901802494	0.70501677	0.9999763851
HMGB2	-1.235449581	0.3058774826	0.9999763851
SAP30	-1.5138803647	0.163723602	0.9999763851
SCRG1	-3.0146678557	0.0810158537	0.9999763851
HAND2	0	0	0
FBXO8	-1.4079846504	0.6793411967	0.9999763851
CEP44	-1.0444677949	0.8938225661	0.9999763851
GPM6A	0	0	0
ASB5	0	0	0
SPCS3	-1.1068315597	0.4561985166	0.9999763851
NEIL3	-1.0819801774	0.7506692006	0.9999763851
AGA	-1.2903424981	0.2583268971	0.9999763851
LOC285500	-1.1966292775	0.7920922107	0.9999763851
TENM3	-1.3709710942	0.7484705277	0.9999763851
DCTD	1.4951146823	0.0614194283	0.9999763851
WWC2	2.8687666286	0.1459114632	0.9999763851
CLDN22	1.349683529	0.6749312302	0.9999763851
LOC107986217	0	0	0
CDKN2AIP	1.1702761325	0.5474426319	0.9999763851
ING2	1.1453428599	0.4792088443	0.9999763851
RWDD4	1.021524123	0.9093606898	0.9999763851
TRAPPC11	-1.0309606102	0.8972493591	0.9999763851
STOX2	1.1747070055	0.5236993701	0.9999763851
ENPP6	0	0	0
IRF2	-1.3759070126	0.4143580367	0.9999763851
CASP3	1.3235654395	0.2802419009	0.9999763851
PRIMPOL	1.5491924319	0.5377707716	0.9999763851
CENPU	1.2233564881	0.2474440965	0.9999763851
ACSL1	1.1139512805	0.5444566976	0.9999763851
CFAP97	1.5372837252	0.0444207809	0.9999763851
SNX25	1.0845209046	0.8701279009	0.9999763851
LRP2BP	1.5489906133	0.5725077297	0.9999763851
ANKRD37	-2.5290144326	0.0834805787	0.9999763851
UFSP2	-1.0163884814	0.9529698758	0.9999763851
C4orf47	-1.3713173847	0.744040857	0.9999763851
FAM149A	0	0	0
CYP4V2	1.208087406	0.3524931907	0.9999763851
KLKB1	1.6257221546	0.5967441092	0.9999763851
F11	5.4790129495	0.3754356866	0.9999763851
FAT1	3.2356557963	0.5547505991	0.9999763851
ZFP42	-4.2849908816	0.4028453076	0.9999763851
FRG1	-1.0710314888	0.6471719935	0.9999763851
CCDC127	1.363881472	0.5474380469	0.9999763851
SDHA	-1.028194942	0.8403896637	0.9999763851
PDCD6	1.1652379177	0.3237611231	0.9999763851

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AHRR	-1.1906058445	0.3642471873	0.9999763851
EXOC3	-1.0737605579	0.6813380552	0.9999763851
SLC9A3	-1.1016049459	0.7710587737	0.9999763851
CEP72	1.5470780217	0.1582432918	0.9999763851
LOC101929895	9.9619682616	0.2312787469	0.9999763851
ZDHHC11	3.1165674937	0.1715472926	0.9999763851
BRD9	1.1095046498	0.5737361322	0.9999763851
TRIP13	1.2253692208	0.3142024972	0.9999763851
SLC12A7	1.3788134048	0.7084343816	0.9999763851
TERT	1.0272952748	0.9775187538	0.9999763851
CLPTM1L	-1.0944523267	0.5059698834	0.9999763851
LPCAT1	1.2314482354	0.2028154931	0.9999763851
MRPL36	-1.2391296706	0.2302305204	0.9999763851
NDUFS6	1.1268306312	0.385312181	0.9999763851
ADAMTS16	0	0	0
ICE1	1.1338173263	0.6085113608	0.9999763851
MED10	-1.1746505679	0.4358773797	0.9999763851
NSUN2	-1.2586099463	0.1836930704	0.9999763851
SRD5A1	-1.5464300369	0.172284816	0.9999763851
PAPD7	1.3272140271	0.3278855255	0.9999763851
ADCY2	18.2947739705	0.150179073	0.9999763851
FASTKD3	1.1079745143	0.7944069785	0.9999763851
MTRR	1.1425979009	0.6241310009	0.9999763851
SEMA5A	3.2353357581	0.554787377	0.9999763851
FAM173B	1.0320974006	0.9221007787	0.9999763851
CCT5	1.2508132988	0.0701522824	0.9999763851
MARCH6	1.0028277798	0.9881600434	0.9999763851
ROPN1L	1.2451878652	0.6413505763	0.9999763851
LOC105369214	0	0	0
ANKRD33B	1.1928599878	0.4755675729	0.9999763851
DAP	1.020277823	0.8982707271	0.9999763851
DNAH5	0	0	0
TRIO	-1.8391085221	0.1241848701	0.9999763851
FAM105A	-1.3579731069	0.6947105643	0.9999763851
OTULIN	1.0967807893	0.6426899807	0.9999763851
ANKH	-1.6720999618	0.1251828667	0.9999763851
FBXL7	3.2353357581	0.554787377	0.9999763851
ZNF622	-1.0124149774	0.9682488784	0.9999763851
FAM134B	-1.0942721156	0.5574644958	0.9999763851
MYO10	1.6701562626	0.2405779072	0.9999763851
BASP1	1.2138388766	0.2025633959	0.9999763851
CDH18	-1.315303824	0.8206171563	0.9999763851
CDH12	-1.2473421265	0.4846981226	0.9999763851
CDH10	3.2356557963	0.5547505991	0.9999763851
CDH6	3.2353357581	0.554787377	0.9999763851
DROSHA	-1.0083131701	0.9700519136	0.9999763851
C5orf22	1.3519899252	0.1392657729	0.9999763851
PDZD2	3.3745826092	0.002649	0.9999763851
GOLPH3	-1.0064794072	0.9706343362	0.9999763851

gene_expression_table

MTMR12	-1.1128186202	0.7044269244	0.9999763851
ZFR	1.1805519355	0.4154627842	0.9999763851
SUB1	-1.035908532	0.7791023536	0.9999763851
NPR3	0	0	0
TARS	-1.1688223867	0.2768165296	0.9999763851
ADAMTS12	-1.0365000139	0.939724395	0.9999763851
SLC45A2	5.4784711963	0.3745358536	0.9999763851
AMACR	-1.122607055	0.6172844992	0.9999763851
C1QTNF3	1.1139743991	0.825894664	0.9999763851
RAI14	7.7204093521	0.2880799703	0.9999763851
TTC23L	1.0277462901	0.9757593063	0.9999763851
RAD1	-1.0065558416	0.974974658	0.9999763851
BRIX1	1.0475222536	0.8147204312	0.9999763851
DNAJC21	1.0648239295	0.7388007403	0.9999763851
SPEF2	3.2353357581	0.554787377	0.9999763851
CAPSL	0	0	0
UGT3A1	0	0	0
UGT3A2	0	0	0
LMBRD2	1.019178451	0.9511885408	0.9999763851
SKP2	1.010106987	0.9537645527	0.9999763851
NADK2	1.1890743034	0.4077011875	0.9999763851
RANBP3L	0	0	0
SLC1A3	1.0313460152	0.9425337514	0.9999763851
NIPBL	1.0028494494	0.9854846891	0.9999763851
C5orf42	1.194342259	0.3611314359	0.9999763851
NUP155	-1.1465963961	0.6331928248	0.9999763851
WDR70	-1.1528282791	0.5245421344	0.9999763851
EGFLAM	0	0	0
RICTOR	-1.3800150214	0.2139514793	0.9999763851
FYB	1.163794998	0.5359784372	0.9999763851
C9	-4.2864494036	0.4027150576	0.9999763851
DAB2	-1.7714603521	0.2988191245	0.9999763851
PTGER4	-1.6990889299	0.0431805404	0.9999763851
TTC33	-3.6747177393	0.1931151166	0.9999763851
PRKAA1	-1.1577391151	0.5453531994	0.9999763851
RPL37	1.0793623142	0.5292698612	0.9999763851
CARD6	1.0615520261	0.898558141	0.9999763851
C7	-7.5622178268	0.2177145568	0.9999763851
PLCXD3	0	0	0
OXCT1	1.5016088246	0.133359043	0.9999763851
C5orf51	1.253548887	0.4615056856	0.9999763851
FBXO4	1.4212629034	0.1916695825	0.9999763851
GHR	1.2866381786	0.8224897331	0.9999763851
SEPP1	0	0	0
ANXA2R	-1.3372592868	0.0699291494	0.9999763851
ZNF131	1.086898254	0.7323244428	0.9999763851
NIM1K	-1.3154339304	0.8205576571	0.9999763851
HMGCS1	-1.0917094462	0.6237411636	0.9999763851
TMEM267	-1.2572901881	0.4107223017	0.9999763851

gene_expression_table

C5orf34	1.3611910537	0.5505174976	0.9999763851
PAIP1	1.1162284714	0.6223733884	0.9999763851
NNT	-1.2785787609	0.1311952866	0.9999763851
MRPS30	-1.4633034756	0.0754729668	0.9999763851
HCN1	0	0	0
EMB	1.2765785972	0.2753771178	0.9999763851
PARP8	1.0322659531	0.9462243091	0.9999763851
PELO	1.2457531369	0.3859198919	0.9999763851
ITGA1	1.1447333993	0.8765821901	0.9999763851
ITGA2	3.2356557963	0.5547505991	0.9999763851
MOCS2	-1.300942886	0.4931808278	0.9999763851
FST	-4.287394647	0.4026306792	0.9999763851
NDUFS4	1.1611500398	0.4229890686	0.9999763851
ARL15	-1.0264098069	0.9305384066	0.9999763851
SNX18	-1.4050843109	0.2694386048	0.9999763851
CDC20B	0	0	0
CCNO	3.3940373312	0.2284542701	0.9999763851
DHX29	1.0279249515	0.8980545797	0.9999763851
SKIV2L2	1.0908364731	0.6182025513	0.9999763851
PLPP1	3.3222963726	0.0159383191	0.9999763851
SLC38A9	1.1284190029	0.6940396891	0.9999763851
DDX4	0	0	0
IL31RA	1.0721046145	0.8895376753	0.9999763851
IL6ST	1.4730422263	0.3935397287	0.9999763851
MAP3K1	-1.8657528234	0.0470704441	0.9999763851
SETD9	-1.1576691309	0.6617655499	0.9999763851
MIER3	1.027644744	0.9775449549	0.9999763851
GPBP1	-1.2729873009	0.1316691284	0.9999763851
PLK2	-1.3154339304	0.8205576571	0.9999763851
GAPT	1.2370774927	0.4176638119	0.9999763851
RAB3C	1.3496981678	0.6618895999	0.9999763851
PDE4D	1.0494437221	0.8349144389	0.9999763851
DEPDC1B	-1.1801724753	0.38976722	0.9999763851
ELOVL7	-5.3416241096	0.0832549721	0.9999763851
ERCC8	2.0297988877	0.1270784268	0.9999763851
NDUFAF2	1.2760462595	0.2630941422	0.9999763851
SMIM15	-1.003471392	0.9903336711	0.9999763851
ZSWIM6	-1.1615828914	0.5838043997	0.9999763851
KIF2A	1.2063524007	0.3405315704	0.9999763851
DIMT1	1.1026851294	0.5822798633	0.9999763851
IPO11	1.0168309472	0.9509490403	0.9999763851
LRRC70	-4.2864494036	0.4027150576	0.9999763851
RGS7BP	0	0	0
FAM159B	-7.5622178268	0.2177145568	0.9999763851
SREK1IP1	-1.0674789252	0.72359263	0.9999763851
CWC27	1.0036494938	0.9855311691	0.9999763851
ADAMTS6	3.2353357581	0.554787377	0.9999763851
CENPK	-1.0260147302	0.9065100995	0.9999763851
PPWD1	-1.0436959252	0.8957371606	0.9999763851

gene_expression_table

TRIM23	1.2793384004	0.6434907424	0.9999763851
TRAPPC13	1.1767575576	0.553476984	0.9999763851
SGTB	1.0315755169	0.9467751201	0.9999763851
NLN	-1.0172690578	0.9313873694	0.9999763851
ERBIN	1.0371371172	0.8566336588	0.9999763851
SREK1	1.0194482272	0.9090055451	0.9999763851
MAST4	1.8136032532	0.5948809763	0.9999763851
PIK3R1	1.1848553405	0.2567139726	0.9999763851
SLC30A5	1.0317057902	0.9012887237	0.9999763851
CCNB1	1.0936217148	0.5557234296	0.9999763851
CENPH	-1.1698024954	0.5034810836	0.9999763851
MRPS36	-1.0139998568	0.9301881695	0.9999763851
CDK7	-1.775327643	0.3002198612	0.9999763851
CCDC125	1.6650197809	0.0734706097	0.9999763851
AK6	1.0056001956	0.974843088	0.9999763851
TAF9	1.2022376639	0.2241238402	0.9999763851
RAD17	-1.2417177958	0.2654276525	0.9999763851
MARVELD2	-4.2849908816	0.4028453076	0.9999763851
GTF2H2C	-1.4837348679	0.3693808373	0.9999763851
SERF1B	1.5675103224	0.4616650372	0.9999763851
SMN2	-1.7201309463	0.1211048637	0.9999763851
LOC107986354	0	0	0
SERF1A	1.198709426	0.7216013186	0.9999763851
SMN1	-1.0931170377	0.8312051539	0.9999763851
NAIP	1.032631767	0.902739453	0.9999763851
GTF2H2	-1.0587047992	0.8148951894	0.9999763851
LOC107986352	-10.8422096127	0.1434763784	0.9999763851
LOC107986353	-3.7489679912	0.1057436943	0.9999763851
BDP1	1.0536761547	0.8340660496	0.9999763851
MCCC2	1.3544926024	0.0874318893	0.9999763851
MAP1B	1.8142404796	0.5680221692	0.9999763851
MRPS27	-1.1771582637	0.2597252541	0.9999763851
PTCD2	-1.3986233071	0.3120962747	0.9999763851
TNPO1	1.0698079969	0.6642165571	0.9999763851
FCHO2	1.8137824633	0.5633863058	0.9999763851
FOXD1	-1.940446983	0.1183048709	0.9999763851
BTF3	1.0287149299	0.8237335446	0.9999763851
ANKRA2	-1.968664074	0.0977539434	0.9999763851
UTP15	1.2121834804	0.474552359	0.9999763851
ARHGEF28	5.6508551585	0.0443799389	0.9999763851
ENC1	-1.7343545975	0.4566121889	0.9999763851
HEXB	-1.1317733674	0.4088478275	0.9999763851
GFM2	1.2632069501	0.4608574497	0.9999763851
NSA2	1.0721873083	0.5898381939	0.9999763851
FAM169A	-3.3284109188	0.2422458152	0.9999763851
ANKRD31	-7.5647903763	0.2176246281	0.9999763851
HMGCR	-1.2071024166	0.2598485477	0.9999763851
COL4A3BP	-1.2299962021	0.3244120804	0.9999763851
POLK	-1.2483936913	0.4250880288	0.9999763851

gene_expression_table

ANKDD1B	1.2315138108	0.7930333038	0.9999763851
POC5	-1.7864048017	0.1955388735	0.9999763851
SV2C	-1.8719268659	0.3710114725	0.9999763851
IQGAP2	1.0666330679	0.757162646	0.9999763851
F2R	1.5540089775	0.5615744147	0.9999763851
CRHBP	-4.2864494036	0.4027150576	0.9999763851
AGGF1	1.105637555	0.6509809011	0.9999763851
ZBED3	1.6038585578	0.307708966	0.9999763851
PDE8B	-3.0806189565	0.1290820471	0.9999763851
WDR41	-1.308169079	0.2189957088	0.9999763851
OTP	3.2353357581	0.554787377	0.9999763851
TBCA	-1.2756512989	0.0476454889	0.9999763851
AP3B1	-1.1307099154	0.5665352894	0.9999763851
SCAMP1	-1.1416259037	0.408209981	0.9999763851
ARSB	-1.0181071179	0.9565283684	0.9999763851
JMY	1.0300270506	0.8498549792	0.9999763851
HOMER1	-1.2025267623	0.6484810084	0.9999763851
PAPD4	1.3750879473	0.2654900227	0.9999763851
CMYA5	0	0	0
MTX3	0	0	0
THBS4	-1.7337096776	0.4786781179	0.9999763851
SERINC5	-1.4066552203	0.2082326005	0.9999763851
ZFYVE16	1.0519851191	0.8564203476	0.9999763851
FAM151B	-1.0418588519	0.944162312	0.9999763851
DHFR	1.0683887893	0.6009708296	0.9999763851
MTRNR2L2	-2.1365060939	9.63E-06	0.0235467048
MSH3	-1.2990694178	0.3508257282	0.9999763851
RASGRF2	9.9624059448	0.2315471014	0.9999763851
CKMT2	20.799085697	7.21E-11	4.31E-07
ZCCHC9	1.0013621484	0.9957054878	0.9999763851
ACOT12	2.3407592913	0.4269677734	0.9999763851
SSBP2	-1.5447339161	0.2028156496	0.9999763851
ATG10	1.7530520053	0.0163448595	0.9999763851
RPS23	1.0825437927	0.4978635748	0.9999763851
ATP6AP1L	-3.0164295697	0.0800525572	0.9999763851
TMEM167A	-1.1887439211	0.2806827082	0.9999763851
XRCC4	1.2755036466	0.5430916698	0.9999763851
VCAN	3.2353357581	0.554787377	0.9999763851
COX7C	1.154623255	0.244525171	0.9999763851
RASA1	-1.5937874697	0.0907235579	0.9999763851
CCNH	-1.0970873269	0.6955009708	0.9999763851
TMEM161B	2.0025381574	0.1552880968	0.9999763851
MEF2C	1.4052763861	0.2520103609	0.9999763851
CETN3	1.0282352085	0.8573127588	0.9999763851
MBLAC2	2.0927749596	0.0915461587	0.9999763851
POLR3G	1.0956731458	0.7904871151	0.9999763851
LYSMD3	-1.1170247957	0.6941083451	0.9999763851
ARRDC3	1.5099452149	0.542638918	0.9999763851
NR2F1	1.3406186202	0.7026896893	0.9999763851

gene_expression_table

FAM172A	1.0878740233	0.6223693281	0.9999763851
KIAA0825	1.0945342559	0.8965971969	0.9999763851
SLF1	-1.6512078915	0.0798476454	0.9999763851
MCTP1	-1.2858772868	0.1933390603	0.9999763851
FAM81B	-4.2849908816	0.4028453076	0.9999763851
TTC37	-1.1706789818	0.5502880119	0.9999763851
ARSK	-1.9373716923	0.0482348772	0.9999763851
RFESD	-3.3272796812	0.2456402057	0.9999763851
SPATA9	0	0	0
RHOBTB3	0	0	0
GLRX	1.0234550894	0.8946808773	0.9999763851
LOC102724720	-1.3154339304	0.8205576571	0.9999763851
ELL2	-2.9675189681	0.0611094455	0.9999763851
CAST	1.5891505389	0.2868055959	0.9999763851
ERAP1	-1.1635943169	0.4892676851	0.9999763851
ERAP2	-1.5848281994	0.3611434329	0.9999763851
LOC101929747	3.2356557963	0.5547505991	0.9999763851
LNPEP	-1.1481507873	0.6748774685	0.9999763851
LIX1	-1.3948894265	0.6799644931	0.9999763851
RIOK2	1.1693005131	0.5511569783	0.9999763851
CHD1	1.3195610312	0.1631124018	0.9999763851
LOC100652833	0	0	0
FAM174A	-1.6309957392	0.1952230627	0.9999763851
ST8SIA4	1.3341592963	0.1362095382	0.9999763851
SLCO4C1	-1.2848160912	0.5743594087	0.9999763851
PAM	-1.5798006741	0.0661296139	0.9999763851
GIN1	-1.8165815049	0.4746912067	0.9999763851
PPIP5K2	-1.3580247762	0.1168063605	0.9999763851
C5orf30	-1.0545833002	0.8734296562	0.9999763851
EFNA5	3.2356557963	0.5547505991	0.9999763851
FBXL17	1.5469427682	0.053419978	0.9999763851
FER	1.0322800741	0.9510622492	0.9999763851
PJA2	-1.157385705	0.3961537472	0.9999763851
MAN2A1	-1.263116436	0.2274879757	0.9999763851
TMEM232	0	0	0
SLC25A46	1.1893696271	0.4200689215	0.9999763851
WDR36	-1.0854751162	0.6770445866	0.9999763851
STARD4	-1.9064802739	0.0369870394	0.9999763851
NREP	1.411495399	0.0381969471	0.9999763851
EPB41L4A	-1.564279968	0.015274556	0.9999763851
APC	-1.2546908028	0.3456481161	0.9999763851
SRP19	1.0765281899	0.6607126881	0.9999763851
REEP5	-1.5015911137	0.2427780701	0.9999763851
DCP2	1.1431060207	0.5050676797	0.9999763851
MCC	3.2353357581	0.554787377	0.9999763851
YTHDC2	-1.41969129	0.1700302102	0.9999763851
KCNN2	-1.7520744477	0.2065543168	0.9999763851
TRIM36	1.3407820359	0.7147820854	0.9999763851
PGGT1B	1.0490856426	0.8565738431	0.9999763851

gene_expression_table

CCDC112	-1.1273823203	0.6968775075	0.9999763851
FEM1C	1.0732627226	0.8480605384	0.9999763851
TICAM2	0	0	0
TMED7-TICAM2	-1.2498986999	0.4865361796	0.9999763851
TMED7	-1.0335201779	0.905858675	0.9999763851
ATG12	-1.2075932983	0.3513252039	0.9999763851
AP3S1	-1.1764626148	0.3327530666	0.9999763851
LVRN	3.2353357581	0.554787377	0.9999763851
ARL14EPL	1.0009947738	0.9940214408	0.9999763851
COMMD10	1.2799856445	0.3387271038	0.9999763851
SEMA6A	-2.5487783651	0.1140509541	0.9999763851
DTWD2	-1.0700717465	0.6288295893	0.9999763851
DMXL1	-1.3990154195	0.3414084987	0.9999763851
TNFAIP8	-1.3817809126	0.034347209	0.9999763851
HSD17B4	-1.0881652793	0.69641269	0.9999763851
PRR16	0	0	0
SRFBP1	-1.3517268404	0.343509771	0.9999763851
LOX	0	0	0
ZNF474	0	0	0
SNX2	-1.0389108698	0.8057363678	0.9999763851
SNX24	-4.3352072989	0.1515507502	0.9999763851
PPIC	0	0	0
CEP120	-1.1045657066	0.6851057233	0.9999763851
CSNK1G3	-1.1486121256	0.5657606046	0.9999763851
GRAMD3	0	0	0
PHAX	1.7051924843	0.1482362717	0.9999763851
TEX43	0	0	0
LMNB1	-1.1163235083	0.4713965397	0.9999763851
MARCH3	-2.1912989202	0.0189101366	0.9999763851
MEGF10	-4.287394647	0.4026306792	0.9999763851
PRRC1	-1.3776938236	0.0555987375	0.9999763851
CCDC192	-1.1820879394	0.7421986139	0.9999763851
SLC12A2	1.2199487697	0.3917108225	0.9999763851
ISOC1	1.1722292081	0.5300619524	0.9999763851
ADAMTS19	0	0	0
HINT1	-1.1747433422	0.1739616219	0.9999763851
LYRM7	1.1260650562	0.6332086168	0.9999763851
CDC42SE2	-1.0157492495	0.9468599796	0.9999763851
FNIP1	-1.3844811081	0.1705498344	0.9999763851
ACSL6	1.7580757543	0.4309464653	0.9999763851
IL3	0	0	0
SLC22A4	-1.2636518444	0.5000518047	0.9999763851
SLC22A5	-1.0877958255	0.769428697	0.9999763851
IRF1	-1.1458979993	0.6335117999	0.9999763851
RAD50	-1.0947723928	0.7086616672	0.9999763851
IL4	0	0	0
KIF3A	1.031230197	0.9525578979	0.9999763851
CCNI2	0	0	0
SEPT8	-1.2160661565	0.3434123335	0.9999763851

gene_expression_table

GDF9	0	0	0
UQCRQ	1.1078720448	0.4129865986	0.9999763851
LEAP2	1.8136032532	0.594590364	0.9999763851
AFF4	-1.6099145059	0.1200311409	0.9999763851
ZCCHC10	1.1412099429	0.6668671236	0.9999763851
HSPA4	-1.198795388	0.3507582851	0.9999763851
C5orf15	-1.3161865823	0.1707117165	0.9999763851
VDAC1	-1.1002831775	0.5306268282	0.9999763851
TCF7	3.2353357581	0.554787377	0.9999763851
SKP1	1.0374739805	0.7844187868	0.9999763851
PPP2CA	1.2530993626	0.1147117146	0.9999763851
CDKL3	-1.1541631479	0.7852744789	0.9999763851
UBE2B	-1.3230199474	0.1606651347	0.9999763851
CDKN2AIPNL	-1.1619180137	0.5861487389	0.9999763851
JADE2	1.4821235331	0.0844989709	0.9999763851
SAR1B	1.0055313518	0.9813904477	0.9999763851
SEC24A	-1.0237789293	0.9318003261	0.9999763851
CAMLG	-1.2464569194	0.1903344522	0.9999763851
DDX46	1.2181127865	0.2271641123	0.9999763851
C5orf24	-1.1840119095	0.4169757847	0.9999763851
TXNDC15	1.3361019637	0.1100119051	0.9999763851
PCBD2	-1.075784922	0.5570560047	0.9999763851
CATSPER3	-2.071297876	0.1061464698	0.9999763851
PITX1	2.1616088585	0.006889	0.9999763851
C5orf66	1.3428586414	0.5071091904	0.9999763851
H2AFY	1.0469595388	0.7385907231	0.9999763851
CXCL14	0	0	0
SLC25A48	-1.0803829108	0.921672941	0.9999763851
TGFB1	-10.8458971147	0.1433597877	0.9999763851
SMAD5	1.0095363977	0.9693953821	0.9999763851
SPOCK1	-1.0874546536	0.8051376623	0.9999763851
KLHL3	-4.2864494036	0.4027150576	0.9999763851
HNRNPA0	-1.1135184955	0.3858589531	0.9999763851
MYOT	-1.3946909469	0.71478671	0.9999763851
PKD2L2	1.730302978	0.1650268848	0.9999763851
FAM13B	1.283581429	0.4393518731	0.9999763851
NME5	0	0	0
BRD8	1.1637986196	0.5086804596	0.9999763851
KIF20A	1.0388101443	0.8671636894	0.9999763851
CDC23	1.0007795933	0.9973445443	0.9999763851
GFRA3	0	0	0
CDC25C	-1.6340413022	0.1591878748	0.9999763851
FAM53C	-1.2778879422	0.1912500561	0.9999763851
KDM3B	-1.8138472326	0.0330953316	0.9999763851
EGR1	-1.3655134517	0.3345336318	0.9999763851
ETF1	1.0436404415	0.7605969815	0.9999763851
HSPA9	-1.0050831432	0.9732525418	0.9999763851
CTNNA1	1.2229704509	0.3479516401	0.9999763851
SIL1	-1.6230240837	0.0445087979	0.9999763851

gene_expression_table

MATR3	1.1295049835	0.4293294823	0.9999763851
PAIP2	1.0645334165	0.8485470867	0.9999763851
SLC23A1	-1.1880898117	0.3460184105	0.9999763851
MZB1	1.3085209175	0.6210520445	0.9999763851
SPATA24	1.1327761444	0.8747914308	0.9999763851
DNAJC18	1.6857129034	0.3148839628	0.9999763851
ECSCR	-1.3716482783	0.7377245996	0.9999763851
TMEM173	1.1150224288	0.585410117	0.9999763851
UBE2D2	1.0212756737	0.8867828949	0.9999763851
CXXC5	1.0888926823	0.6395867376	0.9999763851
PSD2	3.2356557963	0.5547505991	0.9999763851
NRG2	3.2353357581	0.554787377	0.9999763851
PURA	-1.3440683414	0.1409325343	0.9999763851
IGIP	-1.5114413735	0.3258384346	0.9999763851
CYSTM1	-3.3685676065	0.0940787265	0.9999763851
PFDN1	1.2199860856	0.2187000662	0.9999763851
HBEGF	-1.9673293586	0.0282493532	0.9999763851
ANKHD1	-1.0430474576	0.8377020979	0.9999763851
ANKHD1-EIF4EBP3	1.4411002879	0.458942252	0.9999763851
EIF4EBP3	-1.0105516683	0.9751040845	0.9999763851
SRA1	1.5287513252	0.1539988889	0.9999763851
APBB3	1.7581722929	0.4280050507	0.9999763851
SLC35A4	-1.0134756743	0.9544118717	0.9999763851
TMCO6	-1.4325783176	0.4765600414	0.9999763851
CD14	-7.5622178268	0.2177145568	0.9999763851
NDUFA2	1.1719785289	0.3026992074	0.9999763851
IK	-1.1769459506	0.359337595	0.9999763851
WDR55	-1.7278081733	0.0296743137	0.9999763851
DND1	1.1505384589	0.7314979266	0.9999763851
HARS	1.0665594668	0.8154698205	0.9999763851
HARS2	-1.0208088603	0.9405243558	0.9999763851
ZMAT2	-1.3075549877	0.0499064585	0.9999763851
PCDHA1	0	0	0
PCDHB2	1.7500801512	0.5399738241	0.9999763851
PCDHB3	0	0	0
PCDHB16	0	0	0
PCDHB9	0	0	0
PCDHB10	0	0	0
PCDHB14	0	0	0
TAF7	1.2120035213	0.2753184362	0.9999763851
PCDHGA1	0	0	0
PCDHGB2	-1.3151016298	0.8210358465	0.9999763851
PCDHGA5	3.2356557963	0.5547505991	0.9999763851
PCDHGA6	-1.5416912797	0.6822921782	0.9999763851
DIAPH1	1.2540398548	0.1131610425	0.9999763851
HDAC3	-1.2688316816	0.1673193195	0.9999763851
RELL2	-3.5263270662	0.0226684974	0.9999763851
FCHSD1	2.2692722146	0.175986875	0.9999763851
ARAP3	-1.4447343307	0.2591314051	0.9999763851

gene_expression_table

KIAA0141	-1.0745995006	0.7492213718	0.9999763851
PCDH12	-1.0168655014	0.9689401748	0.9999763851
RNF14	-1.3805816571	0.2125795669	0.9999763851
GNPDA1	-1.0268806897	0.8876999037	0.9999763851
NDFIP1	-1.0153876591	0.9275471863	0.9999763851
SPRY4	-1.3714374731	0.7335244774	0.9999763851
FGF1	-4.2864494036	0.4027150576	0.9999763851
ARHGAP26	-1.4049714896	0.1254477339	0.9999763851
NR3C1	1.0197893251	0.9155713797	0.9999763851
YIPF5	-1.2425334927	0.2547564212	0.9999763851
KCTD16	-4.287394647	0.4026306792	0.9999763851
GRXCR2	0	0	0
SH3RF2	0	0	0
PLAC8L1	3.2353357581	0.554787377	0.9999763851
LARS	1.0255270847	0.8661933871	0.9999763851
RBM27	1.2695716025	0.2822370486	0.9999763851
TCERG1	1.0135270151	0.9329030201	0.9999763851
DPYSL3	-4.3514532582	0.0205389788	0.9999763851
JAKMIP2	-20.6921206198	0.0599099101	0.9999763851
SPINK14	3.2356557963	0.5547505991	0.9999763851
SPINK13	0	0	0
FBXO38	-1.1012212704	0.7729249184	0.9999763851
HTR4	-4.2849908816	0.4028453076	0.9999763851
ADRB2	-1.7770936465	0.0227716217	0.9999763851
GRPEL2	1.1697704486	0.5224381191	0.9999763851
PCYOX1L	-1.1044549699	0.6334647319	0.9999763851
IL17B	1.8145193361	0.5777749766	0.9999763851
CSNK1A1	1.2677264113	0.1585535003	0.9999763851
ARHGEF37	-2.3209115874	0.4620416282	0.9999763851
PPARGC1B	1.4026020849	0.2965096614	0.9999763851
PDE6A	-1.3154339304	0.8205576571	0.9999763851
SLC26A2	1.0600218663	0.7818659059	0.9999763851
TIGD6	1.2869488883	0.8192981379	0.9999763851
HMGXB3	1.0377449105	0.9001776168	0.9999763851
CSF1R	1.1136314063	0.3597254529	0.9999763851
CDX1	0	0	0
SLC6A7	0	0	0
CAMK2A	0	0	0
TCOF1	1.3051780921	0.2084530638	0.9999763851
CD74	-2.1595611468	0.007857	0.9999763851
RPS14	-1.1371811063	0.3279137754	0.9999763851
NDST1	-1.0489280572	0.7622470796	0.9999763851
SYNPO	3.2356557963	0.5547505991	0.9999763851
RBM22	-1.3939909523	0.0526193041	0.9999763851
DCTN4	-1.0081483343	0.97911102	0.9999763851
SMIM3	-1.0312351099	0.8490962339	0.9999763851
IRGM	-1.315303824	0.8206171563	0.9999763851
GPX3	3.2361532718	0.5546934395	0.9999763851
TNIP1	1.085406994	0.6739486537	0.9999763851

gene_expression_table

ANXA6	1.0113708098	0.9319255361	0.9999763851
CCDC69	-1.2418316932	0.2395884883	0.9999763851
LOC105378230	3.2353357581	0.554787377	0.9999763851
GM2A	-1.2252411179	0.2915648772	0.9999763851
SLC36A3	3.2361532718	0.5546934395	0.9999763851
SLC36A1	-1.0490453212	0.8754747555	0.9999763851
SPARC	-7.5647903763	0.2176246281	0.9999763851
ATOX1	-1.0064278152	0.9758739643	0.9999763851
G3BP1	-1.0473718592	0.7498732515	0.9999763851
GLRA1	3.0263279955	0.3115700401	0.9999763851
FAM114A2	1.0893432568	0.7985961817	0.9999763851
MFAP3	1.1968019865	0.6235588644	0.9999763851
GALNT10	-1.1693746321	0.4747997409	0.9999763851
SAP30L	-1.0323602148	0.8687921959	0.9999763851
LARP1	1.1248374295	0.4808724868	0.9999763851
FAXDC2	1.5670546705	0.2795090808	0.9999763851
CNOT8	1.0460582615	0.8458151004	0.9999763851
GEMIN5	1.5023703383	0.0768621916	0.9999763851
MRPL22	-1.0697514124	0.7497981712	0.9999763851
KIF4B	-1.1168215278	0.8600835236	0.9999763851
SGCD	3.2356557963	0.5547505991	0.9999763851
TIMD4	0	0	0
HAVCR2	-7.5664585246	0.2263571921	0.9999763851
MED7	-1.7539069202	0.3004110086	0.9999763851
CYFIP2	1.1632338587	0.444099768	0.9999763851
SOX30	0	0	0
THG1L	-1.1499816039	0.5079728324	0.9999763851
LSM11	1.25862468	0.5218580594	0.9999763851
CLINT1	-1.1486301191	0.5029575071	0.9999763851
EBF1	-1.0569678118	0.8933020074	0.9999763851
RNF145	1.2318567466	0.2489003337	0.9999763851
UBLCP1	1.202397692	0.474101566	0.9999763851
ADRA1B	-1.0847550188	0.6224205807	0.9999763851
TTC1	1.0002501273	0.9988195572	0.9999763851
PWWP2A	-1.0089122074	0.9677389195	0.9999763851
FABP6	-1.3154339304	0.8205576571	0.9999763851
CCNJL	1.0438732601	0.8432223354	0.9999763851
ZBED8	-3.3264391549	0.2740318683	0.9999763851
SLU7	1.0378378892	0.851262215	0.9999763851
PTTG1	1.3030244098	0.1028561638	0.9999763851
ATP10B	-2.3227998731	0.4384090875	0.9999763851
GABRB2	0	0	0
CCNG1	1.0702745978	0.7213632317	0.9999763851
NUDCD2	-1.0352930687	0.8853099154	0.9999763851
HMMR	1.1151479677	0.5936879568	0.9999763851
MAT2B	1.2100435965	0.3622352782	0.9999763851
WWC1	-1.315303824	0.8206171563	0.9999763851
RARS	1.2289263869	0.2399183768	0.9999763851
PANK3	1.1255489526	0.7150289392	0.9999763851

gene_expression_table

SLIT3	-1.3154339304	0.8205576571	0.9999763851
SPDL1	1.0380266976	0.8470102679	0.9999763851
DOCK2	-1.0014383892	0.9937981797	0.9999763851
C5orf58	-1.4298152945	0.5324548037	0.9999763851
LCP2	1.0890640737	0.5932705599	0.9999763851
KCNIP1	1.0278478563	0.9759371063	0.9999763851
KCNMB1	1.8309300162	0.2403158441	0.9999763851
RANBP17	0	0	0
NPM1	1.1127709422	0.4420663976	0.9999763851
FGF18	0	0	0
FBXW11	1.3007573377	0.3293280918	0.9999763851
STK10	1.292463118	0.104516222	0.9999763851
EFCAB9	7.7488609396	0.306063442	0.9999763851
UBTD2	-1.0734606083	0.8199035404	0.9999763851
SH3PXD2B	-1.5899635701	0.1421405993	0.9999763851
NEURL1B	-1.3145826607	0.0799435306	0.9999763851
DUSP1	-1.0636117229	0.8984347309	0.9999763851
ERGIC1	1.112369021	0.6167791956	0.9999763851
RPL26L1	-1.1166789592	0.5356225617	0.9999763851
ATP6V0E1	-1.1378254862	0.4000076312	0.9999763851
CREBRF	-1.2287093703	0.6650442501	0.9999763851
BNIP1	1.1821588963	0.640152621	0.9999763851
STC2	0	0	0
BOD1	1.1279816408	0.6138282389	0.9999763851
CPEB4	-1.0113323872	0.9785550984	0.9999763851
HMP19	0	0	0
SFXN1	-1.0813967429	0.6306584392	0.9999763851
HRH2	-1.0158926982	0.9611368643	0.9999763851
CPLX2	0	0	0
THOC3	-1.2862780529	0.225665919	0.9999763851
FAM153B	0	0	0
SIMC1	-1.3517402332	0.2709176894	0.9999763851
KIAA1191	1.1231753977	0.598199386	0.9999763851
ARL10	2.1898530381	0.0932715052	0.9999763851
NOP16	-1.0828370655	0.6266816572	0.9999763851
HIGD2A	1.0107336606	0.9481618855	0.9999763851
CLTB	1.3064627426	0.1917166162	0.9999763851
FAF2	1.1605017343	0.5240843689	0.9999763851
RNF44	-1.2278833135	0.3606905001	0.9999763851
CDHR2	9.9312452783	0.248571704	0.9999763851
GPRIN1	1.2872739558	0.823199828	0.9999763851
TSPAN17	1.3865306171	0.1616943158	0.9999763851
UNC5A	-2.4722032711	0.0162714699	0.9999763851
HK3	2.5918265342	0.1720915532	0.9999763851
UIMC1	-1.2219585324	0.480139307	0.9999763851
ZNF346	-1.165637376	0.4845047742	0.9999763851
FGFR4	0	0	0
NSD1	-1.0066831822	0.9795199421	0.9999763851
RAB24	1.191827495	0.4384099002	0.9999763851

gene_expression_table

PRELID1	1.2392551038	0.1132141269	0.9999763851
MXD3	-1.2734465399	0.2867942235	0.9999763851
LMAN2	-1.329736006	0.0224027058	0.9999763851
RGS14	1.1248505837	0.6625029083	0.9999763851
SLC34A1	0	0	0
F12	1.5448092247	0.0468022512	0.9999763851
GRK6	1.1578445421	0.3950917926	0.9999763851
PRR7	-1.1364457606	0.5640940914	0.9999763851
DBN1	1.0330706281	0.901026743	0.9999763851
PDLIM7	2.375646122	0.0438465364	0.9999763851
DOK3	-1.1268218746	0.5099106524	0.9999763851
DDX41	1.0613932891	0.7599829569	0.9999763851
FAM193B	-2.9860395318	0.0314884637	0.9999763851
TMED9	-1.1146119307	0.3950343941	0.9999763851
B4GALT7	1.1793587329	0.412755337	0.9999763851
FAM153A	1.1402814242	0.8191118827	0.9999763851
N4BP3	3.0864801482	0.3123107395	0.9999763851
RMND5B	-1.1241424001	0.724707939	0.9999763851
NHP2	1.1497750015	0.3576628199	0.9999763851
HNRNPAB	1.2071105457	0.1895377802	0.9999763851
PHYKPL	-1.6351434787	0.138894839	0.9999763851
COL23A1	1.0558437182	0.8263950877	0.9999763851
CLK4	-1.4449771506	0.3141887912	0.9999763851
LOC102724657	5.4781708352	0.3745527127	0.9999763851
ZNF354A	1.1432178119	0.7644331663	0.9999763851
ZFP2	1.0156708	0.9843163845	0.9999763851
ZNF454	-4.2864494036	0.4027150576	0.9999763851
ZNF354C	-1.0281042328	0.9660991904	0.9999763851
RUFY1	1.1668053172	0.4476650866	0.9999763851
HNRNPH1	-1.1739393047	0.2084249518	0.9999763851
CANX	-1.0105851451	0.93661336	0.9999763851
MAML1	-1.0644122754	0.7593711873	0.9999763851
LTC4S	-1.9665380586	0.4649954536	0.9999763851
MGAT4B	1.1547107643	0.3081534752	0.9999763851
SQSTM1	-1.100891526	0.5100785141	0.9999763851
C5orf45	1.9234847933	0.4409858345	0.9999763851
TBC1D9B	-1.0198859634	0.9104713834	0.9999763851
RNF130	1.0480085305	0.8089449377	0.9999763851
MAPK9	-1.7039899964	0.0566909813	0.9999763851
CNOT6	-1.1670010485	0.3422330604	0.9999763851
MGAT1	1.0201442584	0.899787473	0.9999763851
ZFP62	-1.5630381647	0.1367644137	0.9999763851
BTNL8	7.7192231741	0.2782707334	0.9999763851
BTNL3	1.1235489843	0.8887158854	0.9999763851
BTNL9	0	0	0
TRIM7	1.3309109743	0.4419099056	0.9999763851
TRIM41	1.0310899617	0.9154024576	0.9999763851
RACK1	1.1363422888	0.2932821553	0.9999763851
TRIM52	1.0331774172	0.9315504759	0.9999763851

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OR4F3	7.4933530102	0.2988194544	0.9999763851
DUSP22	-1.3334843025	0.0689783311	0.9999763851
IRF4	0	0	0
EXOC2	1.0527962553	0.8135231698	0.9999763851
HUS1B	0	0	0
FOXC1	-1.002854239	0.98390514	0.9999763851
GMDS	1.0633471786	0.7264081501	0.9999763851
MYLK4	-2.3212684229	0.4457081023	0.9999763851
WRNIP1	-1.6255183566	0.0522188792	0.9999763851
SERPINB1	1.1174187187	0.3762945995	0.9999763851
SERPINB9	0	0	0
SERPINB6	1.0614402741	0.8085620198	0.9999763851
NQO2	1.871095762	0.005377	0.9999763851
RIPK1	-1.3600967295	0.1470196257	0.9999763851
BPHL	-1.2633222574	0.6187620644	0.9999763851
TUBB2A	1.4471291231	0.1673804881	0.9999763851
PSMG4	1.199115031	0.3299313822	0.9999763851
PRPF4B	1.1448490863	0.431145989	0.9999763851
FAM217A	0	0	0
C6orf201	0	0	0
ECI2	1.1867934925	0.4095264875	0.9999763851
CDYL	1.1937141994	0.413022128	0.9999763851
RPP40	1.373180136	0.2046216572	0.9999763851
LYRM4	-1.0951263794	0.5874755201	0.9999763851
FARS2	1.0110918591	0.9538133653	0.9999763851
LY86	1.168799638	0.7851988158	0.9999763851
RREB1	1.1399080677	0.5174439093	0.9999763851
SSR1	-1.0034439005	0.9817877547	0.9999763851
CAGE1	-1.7728569902	0.2878106055	0.9999763851
RIOK1	1.0829986487	0.7000332669	0.9999763851
SNRNP48	1.1958741207	0.4912068544	0.9999763851
TXNDC5	-1.0418038076	0.830530858	0.9999763851
BLOC1S5	1.2073832161	0.5073841549	0.9999763851
EEF1E1	1.2015479138	0.3983350906	0.9999763851
SLC35B3	-1.5572663444	0.1843255065	0.9999763851
LOC107983965	3.2353357581	0.554787377	0.9999763851
GCNT2	1.7960129086	0.2738372475	0.9999763851
C6orf52	1.080806403	0.9300751612	0.9999763851
PAK1IP1	1.1011194953	0.731507482	0.9999763851
TMEM14C	1.0902346985	0.5833302326	0.9999763851
TMEM14B	1.0368765127	0.8294347783	0.9999763851
MAK	1.0309914225	0.9539298003	0.9999763851
SYCP2L	0	0	0
SMIM13	1.102970576	0.7296526583	0.9999763851
NEDD9	-1.0015502022	0.9941218394	0.9999763851
TMEM170B	-1.2031435942	0.629981179	0.9999763851
ADTRP	-1.6862542947	0.5029729576	0.9999763851
HIVEP1	-1.7965983223	0.1075879351	0.9999763851
EDN1	-4.287394647	0.4026306792	0.9999763851

gene_expression_table

PHACTR1	1.048909848	0.8971040141	0.9999763851
TBC1D7-LOC100130357	-2.8954939448	0.1031374145	0.9999763851
LOC100130357	-1.9358492725	0.1794595207	0.9999763851
TBC1D7	-1.0964044636	0.7291248559	0.9999763851
GFOD1	1.1204546568	0.5692277502	0.9999763851
SIRT5	-1.8154850617	0.0370015592	0.9999763851
NOL7	1.2867658583	0.1527092405	0.9999763851
RANBP9	-2.0435742997	0.0767853163	0.9999763851
MCUR1	1.1265670181	0.6302894636	0.9999763851
CD83	1.0900573575	0.6909963875	0.9999763851
JARID2	-1.0281380524	0.8364772847	0.9999763851
DTNBP1	-1.0625573106	0.7385454519	0.9999763851
MYLIP	-1.2423939185	0.2372608349	0.9999763851
GMPR	-1.2291531336	0.4275012611	0.9999763851
ATXN1	-2.1107222195	0.0007695	0.6568370458
CAP2	0	0	0
FAM8A1	-1.3710217679	0.4272488728	0.9999763851
NUP153	1.0077032902	0.9627955799	0.9999763851
TPMT	-1.0274776969	0.9212508016	0.9999763851
KDM1B	-1.1662637326	0.6355381457	0.9999763851
DEK	1.0735137278	0.6380575792	0.9999763851
MBOAT1	-1.3652390417	0.2618926622	0.9999763851
E2F3	-1.0800786676	0.6719351348	0.9999763851
CDKAL1	-1.3710069214	0.1967909662	0.9999763851
SOX4	1.1329926733	0.5112785847	0.9999763851
MRS2	1.4059691433	0.334629559	0.9999763851
GPLD1	-1.9649399627	0.4633510527	0.9999763851
ALDH5A1	1.0550720662	0.8182683786	0.9999763851
KIAA0319	0	0	0
TDP2	1.1097167271	0.716812405	0.9999763851
ACOT13	-1.6500534154	0.0288478327	0.9999763851
C6orf62	1.290500015	0.175119709	0.9999763851
GMNN	1.2040262067	0.2992667262	0.9999763851
FAM65B	-1.0810584893	0.9277710023	0.9999763851
LRRC16A	1.3371096606	0.5606154336	0.9999763851
SLC17A2	0	0	0
TRIM38	-1.3296395049	0.3308849748	0.9999763851
HIST1H3A	3.2353357581	0.554787377	0.9999763851
HIST1H4B	0	0	0
HIST1H3B	0	0	0
HIST1H2AB	-2.3214980365	0.4356694687	0.9999763851
HIST1H2BB	3.2353357581	0.554787377	0.9999763851
HIST1H3C	5.5007639251	0.0820165818	0.9999763851
HIST1H1C	1.3840473097	0.19617271	0.9999763851
HIST1H4C	-1.1424830125	0.3490995262	0.9999763851
HIST1H2BC	-1.3158816768	0.8203229797	0.9999763851
HIST1H2AC	-2.3227998731	0.4393018063	0.9999763851
HIST1H1E	-2.6922490556	0.2894499135	0.9999763851
HIST1H2BD	1.9439386629	0.1725410944	0.9999763851

gene_expression_table

HIST1H4D	0	0	0
HIST1H3D	1.02953687	0.9674511753	0.9999763851
HIST1H2BF	12.2036838333	0.1842407399	0.9999763851
HIST1H4E	1.3931546432	0.780500185	0.9999763851
HIST1H1D	1.3017937938	0.5827569262	0.9999763851
HIST1H3F	1.432536289	0.7055682726	0.9999763851
HIST1H2BH	3.395936765	0.2436383267	0.9999763851
HIST1H4H	-4.287394647	0.4026306792	0.9999763851
BTN3A2	-1.3739855382	0.2993391487	0.9999763851
BTN2A2	1.1893748374	0.7992261052	0.9999763851
BTN3A1	-1.0361602273	0.9386077569	0.9999763851
BTN3A3	2.7932054058	0.2348296718	0.9999763851
BTN2A1	-1.4425936126	0.3116159148	0.9999763851
HMGN4	1.1620728604	0.4304138487	0.9999763851
ABT1	-1.2492280853	0.1212026377	0.9999763851
ZNF322	0	0	0
HIST1H2BJ	-1.3715126673	0.7508069165	0.9999763851
HIST1H2AG	1.027554661	0.9756512103	0.9999763851
HIST1H2BK	1.3733021616	0.356493371	0.9999763851
HIST1H4I	-4.3471027681	0.0736681408	0.9999763851
HIST1H2AH	2.8679346912	0.2853554691	0.9999763851
ZNF391	-14.1139127893	0.1029631119	0.9999763851
ZNF184	1.5874882539	0.3330291155	0.9999763851
HIST1H2BL	-2.3222877795	0.4506271768	0.9999763851
HIST1H2AI	1.1594180032	0.8885293561	0.9999763851
HIST1H3H	-7.5647903763	0.2176246281	0.9999763851
HIST1H2AJ	12.2185410059	0.2032706859	0.9999763851
HIST1H2BM	0	0	0
HIST1H4J	-1.2763412932	0.5497413118	0.9999763851
HIST1H4K	1.3330083285	0.6870523879	0.9999763851
HIST1H2AK	0	0	0
HIST1H2BN	0	0	0
HIST1H2AL	13.0486682238	0.1811889602	0.9999763851
HIST1H1B	-1.3714374731	0.7334000329	0.9999763851
HIST1H3J	-3.1553169002	0.1647503595	0.9999763851
HIST1H2AM	1.9659465739	0.3446433874	0.9999763851
HIST1H2BO	1.2869488883	0.8194288953	0.9999763851
OR2B2	-4.2849908816	0.4028453076	0.9999763851
OR2B6	0	0	0
ZNF165	1.1695260761	0.7891522264	0.9999763851
ZSCAN16	5.7467514146	0.0890156596	0.9999763851
ZKSCAN8	1.0486314085	0.8629341143	0.9999763851
ZSCAN9	1.3988502013	0.2439725787	0.9999763851
ZKSCAN4	-1.0125657412	0.9674572788	0.9999763851
NKAPL	0	0	0
ZSCAN26	-1.7344697458	0.454110681	0.9999763851
PGBD1	-1.158513231	0.7301951407	0.9999763851
ZSCAN31	1.0949541325	0.8930596511	0.9999763851
ZKSCAN3	1.292477824	0.4934975649	0.9999763851

gene_expression_table

GPX6	0	0	0
TRIM27	-1.2204826048	0.2263320891	0.9999763851
OR2H2	0	0	0
GABBR1	1.1675190011	0.7088251579	0.9999763851
MOG	0	0	0
HLA-F	-1.7096486986	0.273465867	0.9999763851
HLA-G	0	0	0
HLA-A	-1.079111361	0.5855363408	0.9999763851
ZNRD1	-1.0388863158	0.8253915168	0.9999763851
PPP1R11	1.0827162259	0.7203155703	0.9999763851
RNF39	3.7441009688	0.2476895772	0.9999763851
TRIM31	0	0	0
TRIM26	1.3544335938	0.1375912662	0.9999763851
TRIM39	-20.0378342472	0.0892204583	0.9999763851
TRIM39-RPP21	-1.1573686005	0.7427884485	0.9999763851
RPP21	-1.1127851704	0.6539898097	0.9999763851
HLA-E	-1.5072059691	0.003625	0.9999763851
GNL1	1.0987763497	0.638703301	0.9999763851
PRR3	1.1456993984	0.6225473516	0.9999763851
ABCF1	1.2335808128	0.1481646686	0.9999763851
PPP1R10	-1.1770030549	0.3539269016	0.9999763851
MRPS18B	-1.0313267437	0.8165273578	0.9999763851
ATAT1	1.4842005632	0.5232350533	0.9999763851
C6orf136	1.0117350175	0.9743631906	0.9999763851
DHX16	1.0155177103	0.9481413597	0.9999763851
PPP1R18	1.1202586693	0.425575773	0.9999763851
NRM	1.090831491	0.680838766	0.9999763851
MDC1	-1.1108862188	0.5410051403	0.9999763851
TUBB	1.1120620968	0.3826158046	0.9999763851
FLOT1	1.1453415904	0.4769329628	0.9999763851
IER3	-2.8235114951	1.43E-07	0.0004266
DDR1	0	0	0
GTF2H4	-1.0921363389	0.6628029503	0.9999763851
VAR2	1.232147775	0.4308935742	0.9999763851
PSORS1C1	3.2361532718	0.5546934395	0.9999763851
CCHCR1	-1.1396682755	0.6330207147	0.9999763851
TCF19	1.1880288265	0.3771669073	0.9999763851
POU5F1	-2.3901671273	0.2049653457	0.9999763851
HLA-C	1.0139129072	0.9083474318	0.9999763851
HLA-B	-1.1130410705	0.3529404656	0.9999763851
MICA	-5.3300550044	0.00568	0.9999763851
MICB	-1.2485856028	0.3767962661	0.9999763851
DDX39B	1.316538806	0.2442027782	0.9999763851
ATP6V1G2	-1.315303824	0.8206171563	0.9999763851
NFKBIL1	1.039116412	0.9507855786	0.9999763851
LTA	-3.3275701064	0.2296160779	0.9999763851
TNF	-1.3565048605	0.3938437439	0.9999763851
LTB	-1.2716043255	0.3954933343	0.9999763851
LST1	1.0178406016	0.9304903466	0.9999763851

gene_expression_table

NCR3	0	0	0
AIF1	-1.0313053768	0.8219982288	0.9999763851
PRRC2A	-1.0436765172	0.8548639305	0.9999763851
BAG6	1.2622328658	0.1482369216	0.9999763851
APOM	1.1162737823	0.8189082035	0.9999763851
C6orf47	-1.2526089319	0.4444352123	0.9999763851
GPANK1	1.1262935268	0.6061673408	0.9999763851
CSNK2B	-1.111051353	0.6178038402	0.9999763851
LY6G5C	-4.1323543353	0.2116983892	0.9999763851
ABHD16A	-1.2511027301	0.1489326732	0.9999763851
LY6G6F	0	0	0
LY6G6D	0	0	0
LY6G6C	-4.2864494036	0.4027150576	0.9999763851
C6orf25	3.2353357581	0.554787377	0.9999763851
DDAH2	-1.209428745	0.4606087591	0.9999763851
CLIC1	-1.0255940494	0.887545273	0.9999763851
MSH5	1.5038533918	0.3206245341	0.9999763851
SAPCD1	-1.5993699949	0.2386112253	0.9999763851
VWA7	3.2361532718	0.5546934395	0.9999763851
VARS	1.4004270135	0.0715753125	0.9999763851
LSM2	-1.2445964545	0.1173032334	0.9999763851
HSPA1L	1.4536849862	0.5998516948	0.9999763851
HSPA1A	-1.3068858933	0.1533762596	0.9999763851
HSPA1B	1.0307397793	0.9394662322	0.9999763851
C6orf48	-1.0036979326	0.9766038038	0.9999763851
NEU1	1.1802597002	0.2414554302	0.9999763851
SLC44A4	-4.3342515471	0.1407355628	0.9999763851
EHMT2	1.1977690051	0.377919572	0.9999763851
C2	-1.3448369019	0.3702703197	0.9999763851
CFB	0	0	0
NELFE	-1.1432636923	0.4716488323	0.9999763851
SKIV2L	1.1158867863	0.6433037083	0.9999763851
DXO	1.4193087527	0.3955382139	0.9999763851
STK19	1.1877151069	0.4730321971	0.9999763851
C4A	3.2361532718	0.5546934395	0.9999763851
C4B	0	0	0
CYP21A2	1.2869488883	0.8195618665	0.9999763851
TNXB	-1.3708355312	0.7476295757	0.9999763851
ATF6B	-1.0317851214	0.8790885174	0.9999763851
FKBPL	1.0820364507	0.8681455525	0.9999763851
PRRT1	7.7211724672	0.2779709379	0.9999763851
PPT2	1.601609162	0.048671121	0.9999763851
EGFL8	1.2445072841	0.6554110332	0.9999763851
AGPAT1	1.1555723305	0.4667118456	0.9999763851
RNF5	-1.0408365126	0.7988439409	0.9999763851
AGER	1.2552297886	0.328727511	0.9999763851
PBX2	-1.2677708339	0.4558133494	0.9999763851
GPSM3	-1.3571603628	0.6496251316	0.9999763851
BTNL2	0	0	0

gene_expression_table

HLA-DRA	-4.1569222306	6.13E-05	0.1067663916
HLA-DRB5	-3.8874746295	0.004145	0.9999763851
HLA-DRB1	-3.0580329935	0.004268	0.9999763851
HLA-DQA1	0	0	0
HLA-DQB1	-4.2849908816	0.4028453076	0.9999763851
HLA-DQB2	0	0	0
HLA-DOB	1.3544447817	0.6246627528	0.9999763851
TAP2	1.0806491141	0.6128763048	0.9999763851
PSMB8	-1.0863811535	0.5579720761	0.9999763851
TAP1	1.0674921463	0.6976855195	0.9999763851
PSMB9	1.0041462236	0.9818447128	0.9999763851
HLA-DMB	-1.3717838846	0.7497288712	0.9999763851
HLA-DMA	-4.439622732	0.1610722081	0.9999763851
BRD2	1.1324951578	0.4733483943	0.9999763851
HLA-DPA1	-6.873511443	0.0740539612	0.9999763851
HLA-DPB1	-4.2849908816	0.4028453076	0.9999763851
COL11A2	-2.3217011239	0.4355680547	0.9999763851
RXRβ	1.0290642613	0.8855348643	0.9999763851
SLC39A7	-1.3069194868	0.1694861383	0.9999763851
HSD17B8	-1.3154339304	0.8205576571	0.9999763851
RING1	-1.2346253125	0.3997639897	0.9999763851
VPS52	1.4078728668	0.1823690597	0.9999763851
RPS18	-1.0246697185	0.8325409311	0.9999763851
WDR46	1.4420574504	0.0258098785	0.9999763851
PFDN6	1.171836825	0.6616807212	0.9999763851
RGL2	1.5673863565	0.1058453692	0.9999763851
TAPBP	1.0795239262	0.6016790093	0.9999763851
ZBTB22	1.8271023597	0.2382582789	0.9999763851
DAXX	1.0468507633	0.7994633165	0.9999763851
KIFC1	-1.1693818425	0.2718539388	0.9999763851
PHF1	-2.1335533219	0.1103124001	0.9999763851
CUTA	1.047381073	0.7572631763	0.9999763851
SYNGAP1	1.3500680352	0.6817324792	0.9999763851
ZBTB9	2.0077272611	0.2076621845	0.9999763851
BAK1	-1.4058129006	0.1640587645	0.9999763851
ITPR3	1.0653352255	0.7259616133	0.9999763851
UQCC2	1.7306862161	0.001235	0.8877123975
LEMD2	-1.1584054121	0.4768064393	0.9999763851
GRM4	0	0	0
HMGA1	1.0240936374	0.865206954	0.9999763851
C6orf1	-1.0969881584	0.5768730555	0.9999763851
NUDT3	-1.8915302495	6.62E-05	0.1114052542
RPS10-NUDT3	6.7289516799	0.0008724	0.7222990014
RPS10	1.0659986387	0.6139187632	0.9999763851
PACSIN1	0	0	0
C6orf106	-1.1409810007	0.3744386594	0.9999763851
SNRPC	1.0701711077	0.599406673	0.9999763851
UHRF1BP1	1.0129025062	0.9650812812	0.9999763851
TAF11	1.5347618451	0.0127948793	0.9999763851

gene_expression_table

ANKS1A	-1.412609226	0.0276593207	0.9999763851
SCUBE3	-1.6613257169	0.5372589806	0.9999763851
ZNF76	-1.5785323773	0.111021089	0.9999763851
DEF6	1.3921969005	0.0728931032	0.9999763851
PPARD	1.0121633381	0.9653127521	0.9999763851
FANCE	-1.0869160903	0.6355340917	0.9999763851
RPL10A	-1.1555252134	0.2019472043	0.9999763851
TEAD3	7.7204093521	0.2879712462	0.9999763851
TULP1	1.3260278971	0.7356363825	0.9999763851
FKBP5	1.2577852996	0.1622877808	0.9999763851
ARMC12	3.2353357581	0.554787377	0.9999763851
CLPSL2	0	0	0
CLPSL1	3.2356557963	0.5547505991	0.9999763851
SRPK1	1.2287548547	0.2372923813	0.9999763851
SLC26A8	1.1332235671	0.8775145921	0.9999763851
MAPK14	1.0206219905	0.8948870152	0.9999763851
MAPK13	-1.4158302751	0.6302808572	0.9999763851
BRPF3	1.9281764229	0.0605497017	0.9999763851
PNPLA1	1.6226464637	0.2844609798	0.9999763851
ETV7	1.1665343232	0.748393306	0.9999763851
PXT1	0	0	0
KCTD20	1.0763906677	0.6726939536	0.9999763851
STK38	-1.0910421376	0.6644928954	0.9999763851
SRSF3	1.1055702909	0.4004525456	0.9999763851
CDKN1A	-1.7193195151	0.0431703437	0.9999763851
RAB44	1.3657705797	0.0656729029	0.9999763851
CPNE5	-1.1638622622	0.6504706901	0.9999763851
C6orf89	-1.0203370123	0.8871502959	0.9999763851
PPIL1	1.3584065155	0.038170088	0.9999763851
PI16	3.2356557963	0.5547505991	0.9999763851
MTCH1	1.0525178827	0.7000245797	0.9999763851
PIM1	-1.2918127437	0.1320409694	0.9999763851
TMEM217	2.407854628	0.146589779	0.9999763851
TBC1D22B	-1.021394029	0.9457581476	0.9999763851
RNF8	1.2377771851	0.2972919164	0.9999763851
LOC107986531	0	0	0
CMTR1	-1.1712090826	0.4576166623	0.9999763851
CCDC167	-1.0139481072	0.9317216983	0.9999763851
MDGA1	-1.6479730166	0.4712945128	0.9999763851
ZFAND3	1.1812153012	0.2468949758	0.9999763851
BTBD9	1.3691236703	0.416749668	0.9999763851
GLO1	1.1217509757	0.3444200061	0.9999763851
DNAH8	-4.3338228569	0.1404318024	0.9999763851
SAYSD1	-1.1493738841	0.5012672948	0.9999763851
KCNK5	1.1462649934	0.5537859876	0.9999763851
KIF6	-4.2864494036	0.4027150576	0.9999763851
DAAM2	0	0	0
MOCS1	0	0	0
UNC5CL	3.2353357581	0.554787377	0.9999763851

gene_expression_table

APOBEC2	1.1334347738	0.8813103257	0.9999763851
OARD1	-1.0803406925	0.7693396242	0.9999763851
NFYA	-1.0384695716	0.8530541423	0.9999763851
TREM2	-3.3295429242	0.2522859573	0.9999763851
TREML2	1.1659487415	0.6571782306	0.9999763851
TREML4	0	0	0
TREM1	-5.6775738349	3.69E-05	0.0734702713
NCR2	-1.8514073702	0.0758420951	0.9999763851
FOXP4	1.1826038557	0.5376432012	0.9999763851
TFEB	1.012545413	0.9493078966	0.9999763851
FRS3	-1.0358731694	0.9588091495	0.9999763851
PRICKLE4	1.8140611791	0.5849939348	0.9999763851
TOMM6	1.1196341116	0.3260014588	0.9999763851
USP49	1.0692698325	0.7290472565	0.9999763851
MED20	-1.0119640774	0.9465615314	0.9999763851
BYSL	1.2030940444	0.2394192144	0.9999763851
CCND3	1.2972618728	0.050878361	0.9999763851
TAF8	1.4941732541	0.0815937503	0.9999763851
C6orf132	3.2353357581	0.554787377	0.9999763851
GUCA1A	0	0	0
GUCA1B	-1.4822028091	0.4890505289	0.9999763851
MRPS10	1.0792021131	0.5563499708	0.9999763851
TRERF1	-1.0028561598	0.9864764537	0.9999763851
LOC107986596	-1.949721077	0.3508375077	0.9999763851
UBR2	-1.1188966184	0.5133662104	0.9999763851
PRPH2	0	0	0
TBCC	1.0059763525	0.969748239	0.9999763851
GLTSCR1L	-1.220312238	0.2954314148	0.9999763851
RPL7L1	1.1217284398	0.361294495	0.9999763851
C6orf226	1.7574593324	0.442324695	0.9999763851
PTCRA	-4.2864494036	0.4027150576	0.9999763851
CNPY3	1.1589763219	0.4578530195	0.9999763851
CNPY3-GNMT	1.0056447524	0.9727034618	0.9999763851
PEX6	-1.0562128771	0.800251561	0.9999763851
MEA1	1.0436369579	0.7367193442	0.9999763851
PPP2R5D	2.3116608094	0.0797852139	0.9999763851
KLHDC3	1.0467323482	0.7267949098	0.9999763851
RRP36	1.1788412298	0.2715892533	0.9999763851
CUL7	-1.0685767374	0.8222644228	0.9999763851
MRPL2	1.3151480869	0.1066079709	0.9999763851
KLC4	-1.0778855142	0.7994648555	0.9999763851
SRF	-1.1869425882	0.1643204028	0.9999763851
CUL9	-1.2441265444	0.277649362	0.9999763851
DNPH1	1.0601421455	0.6478598197	0.9999763851
TTBK1	7.7211724672	0.2779709379	0.9999763851
CRIP3	1.4463034795	0.0533500486	0.9999763851
ZNF318	-1.0671797592	0.6841960465	0.9999763851
ABCC10	-1.0869186916	0.8214477469	0.9999763851
DLK2	1.0314934075	0.9611515549	0.9999763851

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TJAP1	-1.2076376767	0.273368086	0.9999763851
LRRC73	-1.3721150467	0.7444800139	0.9999763851
YIPF3	1.5628800426	0.0202834091	0.9999763851
POLR1C	1.0481548662	0.6929190638	0.9999763851
XPO5	-3.4503326209	0.0233320685	0.9999763851
POLH	-1.0214360731	0.8934943258	0.9999763851
GTPBP2	1.0093072281	0.9720846375	0.9999763851
MAD2L1BP	-1.0081116646	0.9640559747	0.9999763851
RSPH9	1.325955166	0.7492862409	0.9999763851
MRPS18A	1.1316574259	0.4280038823	0.9999763851
VEGFA	-1.0049625357	0.9782906021	0.9999763851
C6orf223	1.2096806648	0.3944290945	0.9999763851
MRPL14	1.1221021697	0.3559307774	0.9999763851
TMEM63B	1.0070404208	0.972303037	0.9999763851
CAPN11	3.2356557963	0.5547505991	0.9999763851
SLC29A1	1.0124401578	0.92423441	0.9999763851
HSP90AB1	-1.049514962	0.6665379601	0.9999763851
SLC35B2	-1.0260010535	0.882233389	0.9999763851
NFKBIE	1.1334837816	0.4408688126	0.9999763851
TMEM151B	-1.3955017315	0.689342747	0.9999763851
TCTE1	2.4514020909	0.3850422181	0.9999763851
AARS2	1.3657065372	0.1184646056	0.9999763851
SPATS1	5.4784711963	0.3745358536	0.9999763851
CDC5L	1.037109002	0.8187987601	0.9999763851
SUPT3H	1.250643843	0.3978619388	0.9999763851
RUNX2	-1.0492086453	0.7813075978	0.9999763851
RCAN2	0	0	0
TDRD6	-1.315303824	0.8206171563	0.9999763851
MEP1A	0	0	0
ADGRF1	0	0	0
TNFRSF21	-1.6084677558	0.0400999668	0.9999763851
CD2AP	1.0792387885	0.7070903433	0.9999763851
ADGRF2	1.1896371946	0.7988015917	0.9999763851
ADGRF4	-1.7084677273	0.3890526785	0.9999763851
MUT	-1.1910037127	0.4583296213	0.9999763851
CENPQ	-1.2984387629	0.3833928946	0.9999763851
C6orf141	0	0	0
RHAG	0	0	0
PKHD1	-1.3158816768	0.8203229797	0.9999763851
MCM3	1.2133019234	0.130235486	0.9999763851
PAQR8	1.1379272057	0.5451547124	0.9999763851
EFHC1	-1.1227774568	0.8508022187	0.9999763851
TRAM2	-1.4191632377	0.0419417383	0.9999763851
TMEM14A	-1.0437533583	0.8221339067	0.9999763851
GSTA3	3.2353357581	0.554787377	0.9999763851
GSTA4	-1.0717596186	0.8633478991	0.9999763851
ICK	-1.1203610564	0.7759966146	0.9999763851
FBXO9	1.5105593683	0.006789	0.9999763851
GCM1	-1.7711401125	0.2157917524	0.9999763851

gene_expression_table

ELOVL5	-1.0474148973	0.7215473631	0.9999763851
GCLC	1.1079033769	0.5507004006	0.9999763851
LRRC1	-1.8368912216	0.0971180894	0.9999763851
MLIP	-7.5647903763	0.2176246281	0.9999763851
TINAG	0	0	0
FAM83B	0	0	0
HMGCLL1	0	0	0
BMP5	0	0	0
COL21A1	-3.3269505881	0.2580204562	0.9999763851
DST	-1.2129285898	0.328418692	0.9999763851
BEND6	1.169174563	0.3982542401	0.9999763851
KIAA1586	-1.0427592776	0.823235729	0.9999763851
ZNF451	-1.0977682612	0.5258135868	0.9999763851
BAG2	1.2760186269	0.468259409	0.9999763851
RAB23	1.1867635619	0.5968835092	0.9999763851
PRIM2	-1.1471719155	0.505948824	0.9999763851
MTRNR2L9	-1.2670579504	0.3402691062	0.9999763851
PTP4A1	-1.1568619607	0.2706848226	0.9999763851
PHF3	-1.0914976412	0.6324546205	0.9999763851
EYS	1.0999689805	0.7689957749	0.9999763851
LOC441155	18.9347928613	0.114046703	0.9999763851
ADGRB3	0	0	0
LMBRD1	-1.4763678669	0.1231893088	0.9999763851
FAM135A	-1.703596772	0.1626616082	0.9999763851
SDHAF4	-2.010880934	0.2148009337	0.9999763851
SMAP1	1.3216296414	0.143461253	0.9999763851
OGFRL1	1.2291366728	0.473155489	0.9999763851
RIMS1	-4.2849908816	0.4028453076	0.9999763851
KCNQ5	-1.6123994012	0.0119665963	0.9999763851
KHDC1L	3.2356557963	0.5547505991	0.9999763851
KHDC1	-1.0306365966	0.9303566738	0.9999763851
DDX43	0	0	0
MB21D1	-1.9610914961	0.0155348571	0.9999763851
MTO1	1.7074391115	0.0901637141	0.9999763851
EEF1A1	-1.1994300987	0.166763282	0.9999763851
SLC17A5	1.2207096619	0.207676873	0.9999763851
CD109	-10.8385246611	0.1453015101	0.9999763851
COX7A2	1.2358646627	0.10241246	0.9999763851
TMEM30A	1.0126600474	0.930727631	0.9999763851
FILIP1	1.8140812535	0.5878146406	0.9999763851
SENP6	-1.8111234909	0.0127677396	0.9999763851
MYO6	0	0	0
MEI4	3.2356557963	0.5547505991	0.9999763851
IRAK1BP1	-1.0815224328	0.9262924998	0.9999763851
PHIP	-1.2061432484	0.2384960355	0.9999763851
TTK	1.0583253094	0.7893276165	0.9999763851
BCKDHB	1.1378874951	0.7093366969	0.9999763851
FAM46A	1.0892111776	0.6887004191	0.9999763851
IBTK	-1.1084036985	0.5998623255	0.9999763851

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TPBG	-4.2849908816	0.4028453076	0.9999763851
UBE3D	1.0351109789	0.9296290841	0.9999763851
DOPEY1	-1.2525198743	0.6385929001	0.9999763851
PGM3	-1.4479946306	0.1338797839	0.9999763851
RWDD2A	1.8888297566	0.5937927916	0.9999763851
ME1	1.3703087869	0.3489766819	0.9999763851
CYB5R4	1.730418368	0.1664685948	0.9999763851
MRAP2	0	0	0
CEP162	-1.4341321573	0.4685405061	0.9999763851
SNX14	-1.1942361256	0.3294395799	0.9999763851
SYNCRIP	1.2176558038	0.1223751758	0.9999763851
LOC107986532	-1.0807156495	0.9291988419	0.9999763851
ZNF292	-1.4301043057	0.0703579246	0.9999763851
GJB7	0	0	0
SMIM8	-1.2527940068	0.5262642636	0.9999763851
C6orf163	7.7211724672	0.2779709379	0.9999763851
SLC35A1	-1.0663356269	0.7735933849	0.9999763851
RARS2	1.4931995045	0.1702026761	0.9999763851
ORC3	1.0218846004	0.9245136806	0.9999763851
AKIRIN2	-1.241328187	0.4635220948	0.9999763851
RNGTT	1.350549265	0.1759765583	0.9999763851
PNRC1	-1.5399169699	0.0861251539	0.9999763851
PM20D2	1.2243377737	0.1977508311	0.9999763851
GABRR1	0	0	0
UBE2J1	1.0836087475	0.6198539499	0.9999763851
RRAGD	-1.0165675422	0.933353489	0.9999763851
ANKRD6	-4.0207005432	0.0447300815	0.9999763851
LYRM2	1.0053063086	0.979472967	0.9999763851
MDN1	1.0800354728	0.6316413815	0.9999763851
CASP8AP2	-1.5492547216	0.109530628	0.9999763851
BACH2	-2.8987629076	0.0620455048	0.9999763851
MAP3K7	-1.2838378668	0.1556178771	0.9999763851
EPHA7	0	0	0
MANEA	1.4124334722	0.4083499387	0.9999763851
UFL1	-1.5846674331	0.1647542822	0.9999763851
GPR63	1.3580191471	0.5962668121	0.9999763851
NDUFAF4	1.351638631	0.3319358051	0.9999763851
KLHL32	2.8679346912	0.2849790884	0.9999763851
MMS22L	-1.2287749538	0.4726297733	0.9999763851
FBXL4	-1.3081859926	0.4237864019	0.9999763851
COQ3	1.9932608239	0.0194599068	0.9999763851
PNISR	-1.3079541648	0.0974398984	0.9999763851
TSTD3	-1.131876121	0.7218770577	0.9999763851
USP45	-1.4638331383	0.624152621	0.9999763851
CCNC	1.2788335761	0.1941539081	0.9999763851
PRDM13	0	0	0
ASCC3	1.2143531641	0.3617331803	0.9999763851
LOC102724422	0	0	0
GRIK2	5.4776292235	0.3745831165	0.9999763851

gene_expression_table

HACE1	1.2473684242	0.6794463821	0.9999763851
LIN28B	-4.2849908816	0.4028453076	0.9999763851
BVES	3.2356557963	0.5547505991	0.9999763851
PREP	1.1059939742	0.6058563353	0.9999763851
PRDM1	-2.3530139268	0.0663961605	0.9999763851
ATG5	-1.0158620999	0.9529249312	0.9999763851
AIM1	1.3137035423	0.1784261115	0.9999763851
RTN4IP1	1.0279179327	0.8974401616	0.9999763851
QRSL1	1.6330003008	0.1622756277	0.9999763851
CD24	1.1285928346	0.7693268702	0.9999763851
C6orf203	1.0500438305	0.8255166149	0.9999763851
BEND3	1.1299140175	0.7763637691	0.9999763851
PDSS2	1.3120687954	0.1677281114	0.9999763851
SOBP	1.6316087781	0.1573700897	0.9999763851
SCML4	-4.2849908816	0.4028453076	0.9999763851
SEC63	-1.2515762906	0.1529774511	0.9999763851
OSTM1	-1.1486603698	0.6148770227	0.9999763851
SNX3	1.196106392	0.3964735143	0.9999763851
LACE1	1.1727168467	0.7269856526	0.9999763851
FOXO3	1.0888147867	0.64250281	0.9999763851
ARMC2	1.0749377199	0.7937397887	0.9999763851
SESN1	-1.1319081309	0.8237118329	0.9999763851
CEP57L1	1.3441803356	0.356975107	0.9999763851
LOC105377934	1.2921998209	0.6032579091	0.9999763851
LOC100996634	1.8140611791	0.5846844351	0.9999763851
CD164	1.2208525338	0.1733465654	0.9999763851
PPIL6	1.2179289398	0.6929640669	0.9999763851
SMPD2	-1.2647120687	0.5909564232	0.9999763851
MICAL1	1.226230989	0.3713420352	0.9999763851
ZBTB24	-1.6013245408	0.3751386787	0.9999763851
AK9	-1.4742186188	0.513609135	0.9999763851
FIG4	-1.4359415136	0.3878882242	0.9999763851
WASF1	-1.2341042692	0.345177248	0.9999763851
CDC40	1.3142478017	0.254109296	0.9999763851
METTL24	-4.2849908816	0.4028453076	0.9999763851
DDO	-1.2297276897	0.7514173651	0.9999763851
SLC22A16	1.0962555457	0.7395877126	0.9999763851
CDK19	-1.0952444576	0.5979874212	0.9999763851
AMD1	1.205527965	0.2001795839	0.9999763851
GTF3C6	1.0169736326	0.9053530751	0.9999763851
RPF2	1.0976697574	0.6317361314	0.9999763851
SLC16A10	1.6215399586	0.1097487974	0.9999763851
MFSD4B	-2.0967354172	0.2624298551	0.9999763851
REV3L	-1.1948108063	0.5074012391	0.9999763851
TRAF3IP2	1.1518009378	0.591536374	0.9999763851
FYN	1.0046315933	0.9920383047	0.9999763851
TUBE1	1.7657721624	0.172729343	0.9999763851
FAM229B	-1.3280998313	0.5340536917	0.9999763851
MARCKS	1.1308916209	0.3407246766	0.9999763851

gene_expression_table

HDAC2	1.1501019878	0.3584023448	0.9999763851
FRK	-4.2864494036	0.4027150577	0.9999763851
NT5DC1	1.238749935	0.4887214752	0.9999763851
COL10A1	0	0	0
TSPYL4	-1.2207995474	0.6968644478	0.9999763851
DSE	1.4469538193	0.1036669902	0.9999763851
TSPYL1	1.2409039469	0.306831724	0.9999763851
FAM26D	0	0	0
RWDD1	-1.1886723202	0.3079024293	0.9999763851
RSPH4A	-1.3154339304	0.8205576571	0.9999763851
ZUFSP	-1.2213614463	0.663616369	0.9999763851
KPNA5	1.6082661877	0.1743862546	0.9999763851
ROS1	-1.966276531	0.4565057531	0.9999763851
DCBLD1	-1.3760918252	0.4448069427	0.9999763851
GOPC	-1.0987264323	0.6162387525	0.9999763851
NUS1	1.1627120146	0.4332822575	0.9999763851
SLC35F1	1.3848774703	0.1911237801	0.9999763851
CEP85L	1.4881741755	0.3488928894	0.9999763851
PLN	0	0	0
MCM9	1.7037661383	0.1886410815	0.9999763851
ASF1A	1.1852952967	0.5581023769	0.9999763851
TBC1D32	-1.0476390497	0.9474907295	0.9999763851
GJA1	0	0	0
HSF2	-1.2812372033	0.2723198375	0.9999763851
SERINC1	-1.0847337247	0.713795971	0.9999763851
PKIB	7.7211724672	0.2779709379	0.9999763851
FABP7	0	0	0
SMPDL3A	-3.3295429242	0.2520819079	0.9999763851
TRDN	10.4285443305	0.2414635521	0.9999763851
NKAIN2	-1.3157515262	0.8223941627	0.9999763851
RNF217	0	0	0
TPD52L1	-4.2864494036	0.4027150577	0.9999763851
HDDC2	1.1686767847	0.3538930219	0.9999763851
NCOA7	1.2756840241	0.2476794175	0.9999763851
HINT3	-1.0191924291	0.9268747613	0.9999763851
TRMT11	-1.2922129281	0.4208201658	0.9999763851
CENPW	1.1005936778	0.5162379684	0.9999763851
RSPO3	0	0	0
RNF146	1.1293715103	0.6040782753	0.9999763851
ECHDC1	-1.3867458064	0.0791697995	0.9999763851
KIAA0408	-20.6735088573	0.0596784778	0.9999763851
SOGA3	-1.3158816768	0.8203229797	0.9999763851
C6orf58	0	0	0
LAMA2	0	0	0
ARHGAP18	1.0875837793	0.7428036023	0.9999763851
L3MBTL3	2.6536751413	0.0846132643	0.9999763851
SAMD3	0	0	0
EPB41L2	0	0	0
ARG1	-1.3945372452	0.6923954461	0.9999763851

gene_expression_table

MED23	-1.2888772595	0.4000088184	0.9999763851
ENPP3	0	0	0
CTAGE9	0	0	0
ENPP1	0	0	0
STX7	-1.0264157338	0.9180024705	0.9999763851
VNN2	0	0	0
SLC18B1	0	0	0
RPS12	-1.0908391691	0.4604119943	0.9999763851
EYA4	1.3576108079	0.7958575571	0.9999763851
TBPL1	-1.0019981827	0.9953135518	0.9999763851
SLC2A12	-1.0801101658	0.9305702272	0.9999763851
SGK1	1.2245528207	0.6379606866	0.9999763851
ALDH8A1	1.7868451227	0.5987183051	0.9999763851
HBS1L	1.1917185729	0.3810967979	0.9999763851
MYB	-1.4143075971	0.008165	0.9999763851
AH11	-1.1943993967	0.5035170024	0.9999763851
PDE7B	0	0	0
MTFR2	1.2473224675	0.3075865547	0.9999763851
BCLAF1	1.1728448645	0.2132735595	0.9999763851
MAP7	-1.3304807702	0.3284699732	0.9999763851
MAP3K5	-1.003712937	0.9819582226	0.9999763851
PEX7	-1.2156517911	0.5966166723	0.9999763851
IFNGR1	1.3454004999	0.434598124	0.9999763851
TNFAIP3	-1.7230252927	0.0608266532	0.9999763851
ARFGEF3	-1.035203499	0.9620562309	0.9999763851
HEBP2	-1.0707222049	0.6705591536	0.9999763851
NHSL1	-1.0884255882	0.8126876408	0.9999763851
GVQW2	-1.3717838846	0.749694777	0.9999763851
CCDC28A	-1.4969762645	0.0508750907	0.9999763851
ECT2L	1.3500680352	0.6816657837	0.9999763851
REPS1	1.0208529483	0.9142969021	0.9999763851
ABRACL	-1.1634888863	0.1996821567	0.9999763851
HECA	-1.2751658844	0.1906799201	0.9999763851
TXLNB	-2.6583180448	0.2228894538	0.9999763851
CITED2	-1.0361213583	0.8533535631	0.9999763851
NMBR	5.4770877341	0.3746135179	0.9999763851
VTA1	1.0777272804	0.6880954873	0.9999763851
HIVP2	-1.0724400783	0.7179205181	0.9999763851
AIG1	1.6862503526	0.003915	0.9999763851
ADAT2	1.0057349704	0.9793023517	0.9999763851
PEX3	-1.0946458236	0.6967839079	0.9999763851
FUCA2	1.207460313	0.3549507106	0.9999763851
PHACTR2	-1.3068227128	0.3061450378	0.9999763851
LTV1	1.3896833392	0.1858319533	0.9999763851
PLAGL1	-1.4466165318	0.2011689131	0.9999763851
SF3B5	1.0474717302	0.7537655678	0.9999763851
STX11	-1.1789827383	0.6645183531	0.9999763851
UTRN	-1.0010697271	0.9959173065	0.9999763851
EPM2A	1.3411938723	0.7190877752	0.9999763851

gene_expression_table

FBXO30	1.2803327132	0.4753208115	0.9999763851
SHPRH	-1.3730257125	0.3371568481	0.9999763851
GRM1	0	0	0
RAB32	1.6716607621	0.007951	0.9999763851
ADGB	-2.2172342137	0.240633903	0.9999763851
STXBP5	1.039232723	0.8070730387	0.9999763851
SASH1	-1.506459725	0.2560554472	0.9999763851
UST	1.2280506827	0.7913354969	0.9999763851
TAB2	-1.3662940011	0.1165347147	0.9999763851
ZC3H12D	-1.2488104335	0.6000278683	0.9999763851
PPIL4	1.4585017579	0.1649458145	0.9999763851
GINM1	-1.4379340561	0.4507102514	0.9999763851
KATNA1	-1.5371062944	0.0369350778	0.9999763851
LATS1	-1.2120781	0.5065755597	0.9999763851
NUP43	1.5618587269	0.0174950989	0.9999763851
PCMT1	1.0190438243	0.8808168542	0.9999763851
LRP11	1.087401112	0.6699597928	0.9999763851
RAET1E	1.3258969121	0.7482148046	0.9999763851
RAET1G	-1.9647456674	0.4667580718	0.9999763851
ULBP2	17.8309472943	0.1311012957	0.9999763851
ULBP1	0	0	0
ULBP3	3.2353357581	0.554787377	0.9999763851
PPP1R14C	-1.3535347227	0.1211577436	0.9999763851
PLEKHG1	-1.3713018672	0.7312784555	0.9999763851
MTHFD1L	1.1677072628	0.3444221413	0.9999763851
AKAP12	3.2353357581	0.554787377	0.9999763851
ZBTB2	1.0178172013	0.9584263534	0.9999763851
RMND1	1.6082665467	0.0989129975	0.9999763851
ARMT1	1.7995737228	0.0784539531	0.9999763851
CCDC170	10.1794135333	0.2227082573	0.9999763851
SYNE1	-2.387679463	0.250963581	0.9999763851
MYCT1	0	0	0
FBXO5	-1.1059803881	0.6735589113	0.9999763851
MTRF1L	1.3858279321	0.1012554968	0.9999763851
RGS17	0	0	0
IPCEF1	-1.196159321	0.5447872011	0.9999763851
CNKSR3	1.1458418283	0.7335384756	0.9999763851
SCAF8	1.0455429258	0.8122677138	0.9999763851
TFB1M	-1.033779693	0.8784563299	0.9999763851
NOX3	0	0	0
ARID1B	1.3263303579	0.1116515092	0.9999763851
TMEM242	1.2404845018	0.3656965958	0.9999763851
ZDHHC14	-1.1359847401	0.537617409	0.9999763851
SNX9	-1.5825973022	0.2432679778	0.9999763851
SYNJ2	1.1304465917	0.5089536125	0.9999763851
SERAC1	1.2400199432	0.6259876835	0.9999763851
GTF2H5	-1.0605960473	0.7971014152	0.9999763851
TULP4	-1.027905502	0.8978640112	0.9999763851
TMEM181	-1.0214938428	0.9367116225	0.9999763851

gene_expression_table

DYNLT1	1.3591633902	0.1281995316	0.9999763851
SYTL3	2.5943187527	0.4291761521	0.9999763851
EZR	1.0799653326	0.5813778945	0.9999763851
C6orf99	-3.6747177393	0.1929122622	0.9999763851
RSPH3	1.7077281375	0.1198766276	0.9999763851
TAGAP	1.2403990118	0.274098919	0.9999763851
SOD2	1.0165210628	0.9067569597	0.9999763851
WTAP	1.2837840517	0.0862048231	0.9999763851
ACAT2	-1.5236417268	0.1878059385	0.9999763851
TCP1	1.1035520587	0.400917535	0.9999763851
MRPL18	1.0386082935	0.7974875655	0.9999763851
PNLDC1	-2.5588825616	0.3182945072	0.9999763851
IGF2R	-1.4328453811	0.0191503346	0.9999763851
SLC22A1	1.3264789913	0.7365304439	0.9999763851
SLC22A3	-4.2849908816	0.4028453076	0.9999763851
MAP3K4	-1.3281093608	0.1304341216	0.9999763851
AGPAT4	-1.2101498166	0.3928323733	0.9999763851
PARK2	-1.4073512753	0.6477548675	0.9999763851
PACRG	-2.3214980365	0.4361267576	0.9999763851
QKI	-1.2236603551	0.1707430916	0.9999763851
C6orf118	0	0	0
PDE10A	0	0	0
PRR18	0	0	0
SFT2D1	1.0909647162	0.574051668	0.9999763851
MPC1	1.1037081178	0.5712580278	0.9999763851
RPS6KA2	1.088224954	0.7776854976	0.9999763851
RNASET2	1.0139044383	0.9279685604	0.9999763851
FGFR1OP	-1.106691354	0.6922730782	0.9999763851
TCP10L2	0	0	0
THBS2	3.7878555937	0.1335689782	0.9999763851
WDR27	-1.0435173128	0.900681031	0.9999763851
C6orf120	1.4222302241	0.0854055231	0.9999763851
PHF10	-1.2552056841	0.3395919942	0.9999763851
TCTE3	1.6852133521	0.3567744131	0.9999763851
ERMARD	-1.0217536457	0.9461462251	0.9999763851
DLL1	-1.0159162816	0.9563944047	0.9999763851
FAM120B	1.2077284526	0.3975677018	0.9999763851
PSMB1	-1.2229389378	0.1098652498	0.9999763851
TBP	-1.1755004017	0.5748029008	0.9999763851
PDCD2	1.2266835514	0.1787451049	0.9999763851
LOC101929692	-1.3943388833	0.6978395358	0.9999763851
LOC105375112	-2.6392692278	0.2037510509	0.9999763851
FAM20C	-1.3746319532	0.1420402549	0.9999763851
PDGFA	1.4677562844	0.4921005175	0.9999763851
PRKAR1B	1.304572789	0.2529036119	0.9999763851
DNAAF5	-1.4620686098	0.0444845339	0.9999763851
SUN1	-1.229310616	0.442398656	0.9999763851
GET4	-1.0495872442	0.8049029128	0.9999763851
ADAP1	1.2006607582	0.4051123297	0.9999763851

gene_expression_table

COX19	1.1490664863	0.3852750456	0.9999763851
C7orf50	-1.0286649341	0.8446517921	0.9999763851
GPR146	-1.3285230121	0.5504873399	0.9999763851
GPER1	1.2865109866	0.8332890582	0.9999763851
ZFAND2A	1.0465430187	0.8788128453	0.9999763851
UNCX	3.2353357581	0.554787377	0.9999763851
MICALL2	1.1205508003	0.7371148509	0.9999763851
INTS1	1.0893398421	0.7909095996	0.9999763851
MAFK	-1.0353512704	0.8998782062	0.9999763851
PSMG3	-1.4213609899	0.0115694198	0.9999763851
ELFN1	1.0302684927	0.9328343505	0.9999763851
MAD1L1	1.1134167364	0.5000522479	0.9999763851
MRM2	-1.1423661451	0.5782057211	0.9999763851
NUDT1	1.2627479314	0.1641686371	0.9999763851
SNX8	1.2429741178	0.2389987227	0.9999763851
EIF3B	1.1494704623	0.2993822495	0.9999763851
CHST12	-1.2147667984	0.3694418207	0.9999763851
LFNG	-1.2863371215	0.4744010428	0.9999763851
BRAT1	1.1811938198	0.3962921104	0.9999763851
IQCE	1.5950137501	0.1926779545	0.9999763851
TTYH3	-1.1838460142	0.3147666812	0.9999763851
AMZ1	-1.6845306815	0.1404340331	0.9999763851
GNA12	-1.1564270927	0.3101802877	0.9999763851
SDK1	-1.6135797963	0.0444410753	0.9999763851
LOC105375131	0	0	0
FO XK1	1.0460439162	0.7643410799	0.9999763851
AP5Z1	1.1356374427	0.4557332701	0.9999763851
RADIL	1.2659578115	0.5728551857	0.9999763851
RBAK	1.1107271141	0.8344933529	0.9999763851
RBAK-RBAKDN	-1.1271483256	0.8699978408	0.9999763851
WIP12	1.0790050059	0.6138945473	0.9999763851
SLC29A4	3.392655372	0.2312814813	0.9999763851
TNRC18	-1.0497135041	0.7659396233	0.9999763851
FBXL18	-1.0221272571	0.9279937042	0.9999763851
ACTB	1.0680961438	0.5753255288	0.9999763851
FSCN1	-2.5593885838	0.3087159846	0.9999763851
LOC107986762	1.2121405506	0.6313524744	0.9999763851
RNF216	1.0532468783	0.7443640488	0.9999763851
OCM	-4.2864494036	0.4027150576	0.9999763851
CCZ1	1.204740328	0.3199103008	0.9999763851
PMS2	1.0272428791	0.9139102564	0.9999763851
AIMP2	-1.5847923668	0.0117694623	0.9999763851
EIF2AK1	1.0335605711	0.8253487333	0.9999763851
USP42	1.1266788205	0.6918528206	0.9999763851
CYTH3	-1.0059429769	0.9810185437	0.9999763851
FAM220A	1.0398188398	0.8531052781	0.9999763851
RAC1	1.2437852244	0.0718189011	0.9999763851
DAGLB	-1.329805302	0.212746387	0.9999763851
KDELRL2	-1.0618250649	0.6749785842	0.9999763851

gene_expression_table

GRID2IP	0	0	0
ZDHHC4	1.374991703	0.2481159832	0.9999763851
C7orf26	1.0080017172	0.9727504268	0.9999763851
ZNF853	1.8888297566	0.5937856039	0.9999763851
ZNF316	-1.119083406	0.5223625992	0.9999763851
ZNF12	-1.2047687689	0.389945581	0.9999763851
RSPH10B2	0	0	0
CCZ1B	-1.127945212	0.4879294808	0.9999763851
C1GALT1	-1.2410766168	0.2994965975	0.9999763851
MIOS	-1.0571491483	0.8365334947	0.9999763851
RPA3	1.1247752168	0.4124502373	0.9999763851
UMAD1	-1.1047346439	0.7098880836	0.9999763851
GLCCI1	1.1152747909	0.5213669277	0.9999763851
ICA1	-2.4959539324	0.0206445382	0.9999763851
NXPH1	0	0	0
NDUFA4	1.3973154398	0.0152409492	0.9999763851
PHF14	1.0299579949	0.8602793657	0.9999763851
THSD7A	3.2353357581	0.554787377	0.9999763851
TMEM106B	-1.3886499572	0.3428994851	0.9999763851
ARL4A	1.024184787	0.921639489	0.9999763851
SOSTDC1	0	0	0
ANKMY2	-1.1152182159	0.7211177889	0.9999763851
BZW2	-1.1080828312	0.5498094987	0.9999763851
TSPAN13	0	0	0
AHR	-1.4850263799	0.1724200511	0.9999763851
SNX13	-1.051947998	0.8829972058	0.9999763851
HDAC9	0	0	0
TWISTNB	1.4045408894	0.0406468179	0.9999763851
MACC1	1.5486451741	0.3619847107	0.9999763851
SP4	1.313059784	0.5043302541	0.9999763851
DNAH11	-1.133152361	0.7575687991	0.9999763851
CDCA7L	1.0389006805	0.7973914388	0.9999763851
RAPGEF5	0	0	0
TOMM7	-1.231791851	0.0941943248	0.9999763851
FAM126A	1.3220487992	0.221827423	0.9999763851
KLHL7	-1.1347366538	0.6363949736	0.9999763851
NUPL2	-1.6433117329	0.0703872288	0.9999763851
GNPMB	-1.6201312029	0.003014	0.9999763851
MALSU1	1.2938253468	0.132130534	0.9999763851
IGF2BP3	1.1438678081	0.5157725994	0.9999763851
TRA2A	-1.215350831	0.1669181876	0.9999763851
CCDC126	1.0866224378	0.8474746166	0.9999763851
FAM221A	0	0	0
STK31	0	0	0
LOC107986777	0	0	0
MPP6	-1.7727550014	0.1821757109	0.9999763851
DFNA5	3.2353357581	0.554787377	0.9999763851
OSBPL3	-1.3015993756	0.3137132845	0.9999763851
CYCS	1.348888814	0.0217302403	0.9999763851

gene_expression_table

C7orf31	-1.086337313	0.8518103479	0.9999763851
LOC646588	-1.5326255354	0.3273559566	0.9999763851
NFE2L3	-1.2680859889	0.4626954618	0.9999763851
HNRNPA2B1	1.1624967127	0.3188248218	0.9999763851
CBX3	1.0330378287	0.7837102051	0.9999763851
SNX10	1.2962543332	0.0746438689	0.9999763851
C7orf71	0	0	0
SKAP2	1.0850232822	0.6231097707	0.9999763851
HOXA1	-2.0624023724	0.3159041639	0.9999763851
HOXA2	1.8139617088	0.5773955095	0.9999763851
HOXA3	1.1979476908	0.7131292907	0.9999763851
HOXA4	-1.6817502083	0.4753426566	0.9999763851
HOXA5	1.4284463338	0.3964082208	0.9999763851
HOXA6	0	0	0
HOXA7	1.5678512442	0.2011211293	0.9999763851
HOXA9	-1.4231209207	0.0732854132	0.9999763851
HOXA10	-1.1047881842	0.4954656902	0.9999763851
HOXA11	-1.0806221785	0.6663107186	0.9999763851
HOXA13	-1.0593234938	0.8755017111	0.9999763851
EVX1	1.2869488883	0.8196978268	0.9999763851
HIBADH	-1.4119049299	0.217173095	0.9999763851
TAX1BP1	1.0579613571	0.6476879451	0.9999763851
JAZF1	-1.3902764042	0.1283912589	0.9999763851
CREB5	-2.3225701307	0.4434188202	0.9999763851
CPVL	-1.0966514822	0.7040599468	0.9999763851
CHN2	1.1179927641	0.7683746224	0.9999763851
PRR15	3.2356557963	0.5547505991	0.9999763851
LOC101928208	0	0	0
WIPF3	3.2353357581	0.554787377	0.9999763851
FKBP14	-1.2170633691	0.641733647	0.9999763851
PLEKHA8	1.2993674237	0.5924896239	0.9999763851
MTURN	-1.1603790588	0.4485720602	0.9999763851
ZNRF2	-1.5631097096	0.0865154286	0.9999763851
NOD1	1.2710994888	0.4072166317	0.9999763851
LOC101928268	2.8946978995	0.3713424171	0.9999763851
GGCT	-1.1084568192	0.4477798508	0.9999763851
GARS	1.1059617356	0.5053268989	0.9999763851
FAM188B	3.2356557963	0.5547505991	0.9999763851
CCDC129	3.2353357581	0.554787377	0.9999763851
LSM5	1.0098540477	0.9434868349	0.9999763851
AVL9	-1.0979690673	0.5600040563	0.9999763851
KBTBD2	-1.1128294411	0.6244685223	0.9999763851
FKBP9	2.5194489141	0.2710522815	0.9999763851
NT5C3A	-1.0314720559	0.8536062362	0.9999763851
RP9	-1.210295034	0.375377743	0.9999763851
BBS9	-1.0967436785	0.8470930984	0.9999763851
DPY19L1	-1.198464454	0.4522853041	0.9999763851
TBX20	3.2353357581	0.554787377	0.9999763851
HERPUD2	-1.1662609782	0.5603819431	0.9999763851

gene_expression_table

SEPT7	1.0682474528	0.6057566305	0.9999763851
EEPD1	1.057563572	0.7859715397	0.9999763851
KIAA0895	-3.0826121034	0.104637516	0.9999763851
ANLN	-1.5004737976	0.0575964775	0.9999763851
AOAH	1.0337794545	0.9247821455	0.9999763851
ELMO1	-1.8383664782	0.009758	0.9999763851
GPR141	1.6845813354	0.1489837267	0.9999763851
NME8	4.9736751744	0.1121871596	0.9999763851
SFRP4	3.2353357581	0.554787377	0.9999763851
EPDR1	1.1458237419	0.4732568993	0.9999763851
STARD3NL	-1.1599549494	0.4407167629	0.9999763851
TARP	1.2730653865	0.408096528	0.9999763851
AMPH	1.224539777	0.758670947	0.9999763851
VPS41	-1.1282015585	0.573760314	0.9999763851
POU6F2	-4.2849908816	0.4028453076	0.9999763851
YAE1D1	-1.0196651264	0.9501900046	0.9999763851
RALA	1.095492144	0.5900677156	0.9999763851
CDK13	1.2752800796	0.3063835027	0.9999763851
MPLKIP	1.3939085476	0.0981958103	0.9999763851
SUGCT	-2.0001755787	0.100419344	0.9999763851
INHBA	-12.7231911949	3.09E-14	5.54E-10
GLI3	3.2353357581	0.554787377	0.9999763851
C7orf25	-1.1378395056	0.7828604638	0.9999763851
PSMA2	1.1706611118	0.2380284777	0.9999763851
MRPL32	1.0334710135	0.8854176074	0.9999763851
HECW1	3.9179071451	0.1947667958	0.9999763851
STK17A	-1.2191700914	0.4746847413	0.9999763851
COA1	1.0054088224	0.9721329502	0.9999763851
BLVRA	1.1789463547	0.4026653141	0.9999763851
MRPS24	1.0664325442	0.6743878102	0.9999763851
URGCP-MRPS24	17.0964048721	0.1497629194	0.9999763851
URGCP	1.0468936009	0.8888735338	0.9999763851
LOC107986791	3.1108254173	0.2256589065	0.9999763851
UBE2D4	2.3705921744	0.005659	0.9999763851
SPDYE1	25.6678580218	0.0811866116	0.9999763851
DBNL	1.1531973685	0.5346928854	0.9999763851
PGAM2	-14.1218219134	0.1013475713	0.9999763851
POLM	2.0266506433	0.1473179989	0.9999763851
POLD2	1.0026928218	0.9867681316	0.9999763851
GCK	5.4770877341	0.3746135179	0.9999763851
YKT6	1.143714748	0.4549882942	0.9999763851
NUDCD3	1.0417061798	0.7322824367	0.9999763851
NPC1L1	0	0	0
DDX56	1.0123323431	0.948168058	0.9999763851
TMED4	1.0759285031	0.6529610637	0.9999763851
OGDH	1.0926219429	0.658103219	0.9999763851
ZMIZ2	1.0275830709	0.8842294661	0.9999763851
PPIA	1.1314256047	0.2861199226	0.9999763851
H2AFV	1.097995633	0.4858648736	0.9999763851

gene_expression_table

PURB	1.0884674369	0.6642499686	0.9999763851
MYO1G	-1.1744664923	0.4828918037	0.9999763851
CCM2	1.1374873956	0.4906748608	0.9999763851
NACAD	0	0	0
TBRG4	1.2109207131	0.2419167053	0.9999763851
ADCY1	1.4854101668	0.2569611734	0.9999763851
TNS3	-1.0646944547	0.7501007794	0.9999763851
PKD1L1	-1.3012214104	0.6239224869	0.9999763851
HUS1	1.1335363412	0.64352396	0.9999763851
SUN3	1.9239491811	0.433246221	0.9999763851
UPP1	-1.8524539147	0.0517927113	0.9999763851
ABCA13	1.4214641047	0.6299148796	0.9999763851
IKZF1	1.1803764552	0.2181061867	0.9999763851
FIGNL1	-1.0359786311	0.8407326173	0.9999763851
DDC	1.6253118249	0.5750177155	0.9999763851
GRB10	1.4136037747	0.0214759489	0.9999763851
COBL	1.6243491221	0.5664322505	0.9999763851
SEC61G	-1.5986312416	0.004749	0.9999763851
LANCL2	1.7083674139	0.0790142082	0.9999763851
VOPP1	-1.1258158404	0.5576034844	0.9999763851
LOC101060341	0	0	0
SEPT14	0	0	0
ZNF713	2.4170276959	0.1758547997	0.9999763851
MRPS17	1.2128111819	0.4116369404	0.9999763851
GBAS	1.1194606158	0.4824879695	0.9999763851
PSPH	1.1382185409	0.5371136662	0.9999763851
CCT6A	1.1947851875	0.1711798835	0.9999763851
SUMF2	-1.6872825634	0.2054476845	0.9999763851
PHKG1	1.2669721097	0.2491935427	0.9999763851
CHCHD2	-1.1479022718	0.2643242381	0.9999763851
LOC100287294	0	0	0
ZNF479	0	0	0
LOC107986805	2.3406309168	0.4060501105	0.9999763851
ZNF735	0	0	0
ZNF679	0	0	0
ZNF736	-4.2849908816	0.4028453076	0.9999763851
ZNF680	-1.4888352741	0.2069827013	0.9999763851
ZNF107	-1.0508956747	0.84290331	0.9999763851
ZNF138	-1.0729018924	0.8690422057	0.9999763851
ZNF273	-1.2547157149	0.3981182387	0.9999763851
ZNF117	0	0	0
LOC107986705	-2.1156977606	0.1655422058	0.9999763851
ZNF92	-1.8291300434	0.0855494284	0.9999763851
LOC101929322	-1.9480990641	0.3316726962	0.9999763851
VKORC1L1	1.013816593	0.9363214399	0.9999763851
GUSB	1.3010864341	0.0814449706	0.9999763851
ASL	1.5460012317	0.0920076971	0.9999763851
CRCP	1.1654884662	0.3399902737	0.9999763851
TPST1	-5.3347590109	8.82E-05	0.1438827417

gene_expression_table

KCTD7	-1.1240552884	0.5484778446	0.9999763851
RABGEF1	1.0680353064	0.7216677111	0.9999763851
TMEM248	1.034763318	0.8205642058	0.9999763851
SBDS	1.1482245208	0.6236361747	0.9999763851
TYW1	-1.052980845	0.7977673666	0.9999763851
AUTS2	3.2361532718	0.5546934395	0.9999763851
CALN1	2.1743612496	0.3142134991	0.9999763851
TYW1B	1.1916049594	0.6783498221	0.9999763851
POM121	1.2883535175	0.0535239316	0.9999763851
TRIM74	1.0116836987	0.9385654264	0.9999763851
SPDYE11	0	0	0
NSUN5	1.028682763	0.8356754949	0.9999763851
FKBP6	-7.5647903763	0.2176246281	0.9999763851
FZD9	1.0300813919	0.9662262396	0.9999763851
BAZ1B	1.2721596092	0.1191175671	0.9999763851
BCL7B	1.5568038595	0.0638081998	0.9999763851
TBL2	-1.2027232664	0.3902448502	0.9999763851
VPS37D	-14.1235077517	0.0960269008	0.9999763851
DNAJC30	1.2421084522	0.6190204294	0.9999763851
WBSCR22	-1.0271873135	0.8701588163	0.9999763851
STX1A	-1.7346211034	0.4442349129	0.9999763851
ABHD11	-1.1490291748	0.6727019035	0.9999763851
CLDN4	1.2869488883	0.8198374627	0.9999763851
WBSCR27	-4.2849908816	0.4028453076	0.9999763851
LIMK1	-1.0486645347	0.8593613004	0.9999763851
EIF4H	1.2164068878	0.1381167362	0.9999763851
LAT2	1.1224522092	0.3680278282	0.9999763851
RFC2	1.0855980361	0.6541270068	0.9999763851
CLIP2	-1.8616301137	0.2899918013	0.9999763851
GTF2I	1.3724467001	0.0124781066	0.9999763851
NCF1	1.2302557502	0.4636179342	0.9999763851
GTF2IRD2	1.2403673619	0.3196941717	0.9999763851
GATSL2	-1.0897331625	0.8620339786	0.9999763851
RCC1L	1.4676966812	0.017320005	0.9999763851
GTF2IRD2B	-1.9054160201	0.2181824354	0.9999763851
TRIM73	1.3652112359	0.519848658	0.9999763851
POM121C	-1.1312570689	0.4750681582	0.9999763851
SPDYE5	6.368054416	0.3491682726	0.9999763851
HIP1	-1.3376808546	0.0871746469	0.9999763851
CCL26	1.287203384	0.8310555568	0.9999763851
CCL24	0	0	0
RHBDD2	-1.0263862488	0.9112103021	0.9999763851
POR	-1.0156303811	0.9311682612	0.9999763851
TMEM120A	-1.3926190429	0.0593785979	0.9999763851
STYXL1	1.2550338396	0.3200630987	0.9999763851
MDH2	-1.2823587699	0.0614451096	0.9999763851
LOC107986711	3.2353357581	0.554787377	0.9999763851
SRRM3	-2.2378380635	0.2934725787	0.9999763851
HSPB1	1.2215632519	0.1217406919	0.9999763851

gene_expression_table

YWHAG	-1.0092469091	0.9413345488	0.9999763851
SSC4D	-1.3155492632	0.8261713847	0.9999763851
ZP3	78.1389315045	0.0227503897	0.9999763851
DTX2	-1.00749963	0.9754354981	0.9999763851
LOC105375355	-1.3948129396	0.6825391405	0.9999763851
SPDYE16	-2.5519849925	0.3670892633	0.9999763851
POMZP3	-1.1602744916	0.4049682728	0.9999763851
SPDYE17	-1.3956396272	0.7086142632	0.9999763851
SPDYE18	3.2356557963	0.5547505991	0.9999763851
CCDC146	-1.1227023204	0.8439040104	0.9999763851
FGL2	-1.3158816768	0.8203229797	0.9999763851
GSAP	-1.2927829929	0.3357304937	0.9999763851
PTPN12	1.1186151785	0.4853938825	0.9999763851
RSBN1L	1.495303933	0.1401550032	0.9999763851
TMEM60	1.300878672	0.2308215209	0.9999763851
PHTF2	-1.488029285	0.0342954132	0.9999763851
CD36	1.2042995172	0.224660613	0.9999763851
SEMA3C	0	0	0
PCLO	0	0	0
SEMA3E	0	0	0
KIAA1324L	3.2356557963	0.5547505991	0.9999763851
DMTF1	-1.0475929348	0.9175870281	0.9999763851
TMEM243	1.7681732715	0.1531744259	0.9999763851
CROT	0	0	0
ABCB4	0	0	0
SLC25A40	1.2114651276	0.4263832093	0.9999763851
DBF4	1.0088100305	0.9696729819	0.9999763851
ADAM22	1.2271473258	0.5400016229	0.9999763851
SRI	1.1317656442	0.39818441	0.9999763851
ZNF804B	0	0	0
STEAP1	-1.4247848768	0.5842374704	0.9999763851
CFAP69	0	0	0
GTPBP10	1.1948858339	0.5410311155	0.9999763851
CLDN12	1.2869488883	0.8199814146	0.9999763851
LOC102723899	-2.3222877795	0.4507688368	0.9999763851
CDK14	-1.0297650955	0.8965629522	0.9999763851
FZD1	1.4689483778	0.5007779952	0.9999763851
MTERF1	1.2022777405	0.7558869724	0.9999763851
AKAP9	-1.3851411871	0.0898086519	0.9999763851
CYP51A1	-1.1684489699	0.2822574634	0.9999763851
KRIT1	1.3468981445	0.0998064985	0.9999763851
ANKIB1	-1.6019220054	0.0423115949	0.9999763851
GATAD1	-1.1016397833	0.7259426403	0.9999763851
ERVW-1	0	0	0
PEX1	1.265567881	0.580122472	0.9999763851
RBM48	2.3003736834	0.041799148	0.9999763851
FAM133B	-1.0321585418	0.8685596857	0.9999763851
CDK6	1.0507650045	0.7172731672	0.9999763851
SAMD9	-1.7541501495	0.1177032502	0.9999763851

gene_expression_table

SAMD9L	-4.6971544391	0.0748617416	0.9999763851
VPS50	-1.062560424	0.8606597789	0.9999763851
BET1	-1.2331400996	0.4891558517	0.9999763851
CASD1	-1.366696748	0.4199395349	0.9999763851
PPP1R9A	0	0	0
PON3	0	0	0
PON2	1.7551621564	0.0646017307	0.9999763851
DYNC1I1	-1.4268484256	0.5780095417	0.9999763851
SLC25A13	1.0609732377	0.7664321594	0.9999763851
SHFM1	-1.0540032366	0.7017784396	0.9999763851
SDHAF3	1.2847060092	0.3281059859	0.9999763851
ASNS	-1.779055394	0.042180879	0.9999763851
LOC107986827	1.7592136256	0.4457276065	0.9999763851
OCM2	3.2353357581	0.554787377	0.9999763851
LMTK2	-1.2713648927	0.5536422756	0.9999763851
TECPR1	-1.0270065693	0.9262083892	0.9999763851
BRI3	1.0285699665	0.8192591687	0.9999763851
BAIAP2L1	-1.1912102323	0.2492142708	0.9999763851
NPTX2	-1.3710462586	0.7615898281	0.9999763851
TRRAP	-1.5469149503	0.139033385	0.9999763851
SMURF1	1.1467407327	0.6764053913	0.9999763851
KPNA7	-4.2849908816	0.4028453076	0.9999763851
ARPC1A	-1.2608322605	0.2784577983	0.9999763851
ARPC1B	1.0390450041	0.7913334311	0.9999763851
PDAP1	1.0415028014	0.7828712571	0.9999763851
BUD31	1.1262173631	0.4676405344	0.9999763851
PTCD1	14.446008687	0.1577541434	0.9999763851
ATP5J2-PTCD1	0	0	0
CPSF4	-1.1626148587	0.4717407775	0.9999763851
ATP5J2	1.0890001278	0.5409414341	0.9999763851
ZNF789	1.0989839006	0.8128183266	0.9999763851
ZNF394	-1.0766156499	0.7531241496	0.9999763851
ZKSCAN5	-1.009302712	0.9713197197	0.9999763851
FAM200A	-1.6199909674	0.4517141176	0.9999763851
ZNF655	1.9719302285	0.0004979	0.5153264972
GS1-259H13.2	3.1346807871	0.2968391969	0.9999763851
ZSCAN25	1.345907943	0.3601442194	0.9999763851
CYP3A5	2.591684032	0.1693979146	0.9999763851
CYP3A7	9.9624059448	0.2315099272	0.9999763851
CYP3A43	0	0	0
TRIM4	1.1671803253	0.445693855	0.9999763851
ZKSCAN1	-1.0438058947	0.7965140985	0.9999763851
ZSCAN21	3.2161501486	0.0897292495	0.9999763851
ZNF3	1.1594331036	0.6129651644	0.9999763851
COPS6	-1.0168255986	0.9180326247	0.9999763851
MCM7	1.1447565675	0.2967441159	0.9999763851
AP4M1	1.7913131739	0.0464373172	0.9999763851
TAF6	1.6488217526	0.0902934773	0.9999763851
CNPY4	1.0802618785	0.7805255726	0.9999763851

gene_expression_table

MBLAC1	12.2024790685	0.1819162385	0.9999763851
LAMTOR4	1.1614854217	0.3510749749	0.9999763851
C7orf43	1.0305490671	0.9501192505	0.9999763851
GAL3ST4	3.1150297783	0.1784429497	0.9999763851
GPC2	1.5020206484	0.595518	0.9999763851
STAG3	-1.209301103	0.5145811454	0.9999763851
GATS	-1.9654362824	0.4778430398	0.9999763851
SPDYE3	1.2799008528	0.6133680451	0.9999763851
PILRB	1.4257727745	0.0570378154	0.9999763851
PILRA	-1.2053868316	0.6690828323	0.9999763851
ZCWPW1	-1.4290643539	0.5224140734	0.9999763851
MEPCE	-1.1489303376	0.4903438998	0.9999763851
PPP1R35	-1.0341414086	0.8638163751	0.9999763851
C7orf61	-1.3944607594	0.697549577	0.9999763851
TSC22D4	1.1034161578	0.5566377809	0.9999763851
AGFG2	1.4666968614	0.5099418282	0.9999763851
SAP25	1.2812270507	0.6328575526	0.9999763851
LRCH4	-1.6735246496	0.0315148035	0.9999763851
ZASP	1.2505648436	0.4210039892	0.9999763851
FBXO24	1.1334347738	0.8812595716	0.9999763851
PCOLCE	1.7343484554	0.2271428026	0.9999763851
MOSPD3	1.3403479028	0.1258704939	0.9999763851
TFR2	1.4361889031	0.2566163307	0.9999763851
GNB2	-1.1244168047	0.3667707991	0.9999763851
GIGYF1	-1.092116278	0.7211343967	0.9999763851
POP7	-1.0237684779	0.8586887118	0.9999763851
EPO	3.2356557963	0.5547505991	0.9999763851
EPHB4	1.1513000895	0.4670878805	0.9999763851
SLC12A9	1.3978130107	0.1806262012	0.9999763851
TRIP6	-1.1234645008	0.8363557165	0.9999763851
SRRT	1.0449515701	0.7589269472	0.9999763851
UFSP1	2.2212549951	0.3556854729	0.9999763851
MUC3A	3.2356557963	0.5547505991	0.9999763851
MUC12	0	0	0
TRIM56	-1.053427523	0.7410472063	0.9999763851
SERPINE1	-18.4802551288	0.0001291	0.1878439983
AP1S1	1.0067196653	0.9891548453	0.9999763851
VGFB	-1.1962228143	0.7972904931	0.9999763851
MOGAT3	0	0	0
PLOD3	-1.1057018411	0.5865985675	0.9999763851
ZNHIT1	1.0217857268	0.9036715459	0.9999763851
CLDN15	-1.2134598188	0.5747275998	0.9999763851
FIS1	-1.2561509121	0.2010315273	0.9999763851
IFT22	2.7880133726	0.0908064682	0.9999763851
COL26A1	5.4781708352	0.3745527127	0.9999763851
CUX1	1.0163759511	0.9166410007	0.9999763851
SPDYE6	9.9312452783	0.2486353486	0.9999763851
LOC100289561	1.673619509	0.4236672576	0.9999763851
PRKRIP1	1.0328374856	0.9235876721	0.9999763851

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ORAI2	1.0392534547	0.8109607281	0.9999763851
ALKBH4	1.4888225777	0.2744189662	0.9999763851
LRWD1	-2.6603009385	0.1946738494	0.9999763851
POLR2J	-1.2145813177	0.3064877079	0.9999763851
RASA4B	0	0	0
LOC107983993	0	0	0
POLR2J3	1.0089954394	0.9652881497	0.9999763851
LOC102724229	-1.1196184556	0.8189927681	0.9999763851
RASA4	-1.8159853009	0.478604594	0.9999763851
POLR2J2	1.4449856502	0.5449034009	0.9999763851
UPK3BL	-1.371091068	0.7484873287	0.9999763851
FBXL13	1.4318936151	0.1082619162	0.9999763851
FAM185A	-1.0892180603	0.7506760557	0.9999763851
NFE4	1.3317707718	0.6601972729	0.9999763851
ARMC10	1.0656971818	0.7206636175	0.9999763851
NAPEPLD	-1.9256800829	0.0647040826	0.9999763851
PMPCB	1.1238791348	0.5156746575	0.9999763851
DNAJC2	1.0549212145	0.8446306158	0.9999763851
PSMC2	-1.19656883	0.1540966075	0.9999763851
SLC26A5	5.4781708352	0.3745527127	0.9999763851
RELN	0	0	0
ORC5	-1.0338762551	0.9100251593	0.9999763851
LHFPL3	-1.8524439232	0.2062397362	0.9999763851
KMT2E	-1.1346058734	0.5080522737	0.9999763851
SRPK2	-1.303337299	0.101628381	0.9999763851
PUS7	1.2618104364	0.3397138619	0.9999763851
RINT1	1.4461902254	0.2752129056	0.9999763851
ATXN7L1	-1.1269100093	0.7069992646	0.9999763851
CDHR3	1.9230607285	0.4470996142	0.9999763851
SYPL1	1.1629346815	0.2881039119	0.9999763851
NAMPT	-1.0105440606	0.9493115781	0.9999763851
CCDC71L	1.3688597115	0.4078431595	0.9999763851
PIK3CG	-1.2234812458	0.3581719499	0.9999763851
PRKAR2B	-1.014356189	0.9623156199	0.9999763851
HBP1	-1.2093542669	0.4685871111	0.9999763851
COG5	1.4531138015	0.2063591417	0.9999763851
GPR22	-4.2864494036	0.4027150576	0.9999763851
DUS4L	-1.2346199706	0.524190447	0.9999763851
BCAP29	-1.1969289209	0.4592612032	0.9999763851
SLC26A4	-4.5995992229	0.1605548602	0.9999763851
CBLL1	-1.2569069293	0.4003054319	0.9999763851
DLD	1.5495543508	0.003463	0.9999763851
NRCAM	0	0	0
PNPLA8	-1.550326225	0.2890871085	0.9999763851
THAP5	-1.3718527825	0.2133293136	0.9999763851
DNAJB9	-1.7577873142	0.038087293	0.9999763851
IMMP2L	-1.1779074577	0.5451659866	0.9999763851
DOCK4	1.1438127432	0.8674029573	0.9999763851
ZNF277	-1.4424144392	0.3384422939	0.9999763851

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IFRD1	1.2605333674	0.4029606176	0.9999763851
LSMEM1	3.2353357581	0.554787377	0.9999763851
TMEM168	1.1089275909	0.7904350518	0.9999763851
BMT2	-1.3211198904	0.3618786663	0.9999763851
MDFIC	1.3022525694	0.3481098137	0.9999763851
TFEC	1.8138024348	0.5768982502	0.9999763851
TES	1.296628076	0.3136043733	0.9999763851
CAPZA2	1.0510457015	0.8179629542	0.9999763851
ST7	-1.3819268034	0.3761256608	0.9999763851
CFTR	0	0	0
CTTNBP2	5.4781708352	0.3745527127	0.9999763851
LSM8	1.040225237	0.8196280048	0.9999763851
ING3	-1.2769585099	0.328284084	0.9999763851
CPED1	0	0	0
FAM3C	1.1932462846	0.4543505732	0.9999763851
CADPS2	1.0262948724	0.9788500541	0.9999763851
NDUFA5	-1.1607463535	0.3695663698	0.9999763851
ASB15	0	0	0
WASL	-1.8540910445	0.4097533821	0.9999763851
POT1	-1.6455958656	0.0570632832	0.9999763851
ZNF800	1.2826424203	0.3638767268	0.9999763851
GCC1	1.260495218	0.2679199795	0.9999763851
ARF5	-1.0588299491	0.7717288313	0.9999763851
SND1	1.0987437621	0.5139869387	0.9999763851
RBM28	-1.0094952909	0.9652033447	0.9999763851
PRRT4	1.8693032305	0.1326026597	0.9999763851
IMPDH1	1.0685166136	0.7302868034	0.9999763851
HILPDA	-1.945838168	0.003028	0.9999763851
METTL2B	-1.2993229644	0.4976832443	0.9999763851
FAM71F2	-1.9663843334	0.476508184	0.9999763851
FAM71F1	3.2353357581	0.554787377	0.9999763851
CALU	-1.2109437025	0.2147955128	0.9999763851
OPN1SW	-4.3316847633	0.1687825633	0.9999763851
CCDC136	-1.0679378543	0.7910914553	0.9999763851
ATP6V1F	-1.1260258665	0.4702532794	0.9999763851
LOC100130705	1.5495665418	0.5563644089	0.9999763851
IRF5	1.0277365203	0.9239947893	0.9999763851
TNPO3	-1.2219893577	0.1657249651	0.9999763851
TSPAN33	-1.2256426962	0.6433721869	0.9999763851
SMO	1.2866381786	0.8224275873	0.9999763851
AHCYL2	-2.9688820569	0.0310987832	0.9999763851
STRIP2	1.2249691435	0.7524637155	0.9999763851
SMKR1	-4.2849908816	0.4028453076	0.9999763851
NRF1	1.5538406436	0.0755770827	0.9999763851
UBE2H	-1.115986649	0.612123744	0.9999763851
ZC3HC1	-1.2698792734	0.2823146177	0.9999763851
KLHDC10	1.0927383015	0.7174448363	0.9999763851
TMEM209	1.2660009925	0.4310092531	0.9999763851
CPA5	0	0	0

gene_expression_table

CEP41	-1.2622708615	0.4113883407	0.9999763851
MEST	0	0	0
COPG2	-1.3772969212	0.4325882662	0.9999763851
TSGA13	0	0	0
MKLN1	1.0071973984	0.9672636541	0.9999763851
PODXL	-1.2699511628	0.2729241891	0.9999763851
PLXNA4	0	0	0
CHCHD3	1.4018184941	0.0120684538	0.9999763851
EXOC4	-1.1373139244	0.4745637935	0.9999763851
LRGUK	0	0	0
SLC35B4	1.144676811	0.5437955191	0.9999763851
AKR1B15	0	0	0
BPGM	-1.1044788179	0.8049647853	0.9999763851
CALD1	-4.287394647	0.4026306792	0.9999763851
AGBL3	1.0954359883	0.892881712	0.9999763851
C7orf49	1.0032161556	0.9895938427	0.9999763851
TMEM140	-2.7550513428	0.095252233	0.9999763851
WDR91	-1.98808452	0.0655207501	0.9999763851
CNOT4	1.645595549	0.1278190377	0.9999763851
NUP205	1.1654208446	0.5260626212	0.9999763851
C7orf73	1.2936396508	0.1222371871	0.9999763851
SLC13A4	-1.8254196192	0.4539876142	0.9999763851
LUZP6	-1.1084024167	0.4837885847	0.9999763851
MTPN	1.0481197273	0.7526529306	0.9999763851
CHRM2	0	0	0
PTN	3.2356557963	0.5547505991	0.9999763851
DGKI	-1.0264773286	0.8406414173	0.9999763851
CREB3L2	-1.1906675204	0.3174455083	0.9999763851
LOC100130880	3.2361532718	0.5546934395	0.9999763851
AKR1D1	0	0	0
TRIM24	-1.4214426375	0.170576949	0.9999763851
SVOPL	0	0	0
ATP6V0A4	0	0	0
KIAA1549	-1.430050834	0.5394927005	0.9999763851
ZC3HAV1	-1.1436195888	0.3979275	0.9999763851
TTC26	1.0417717796	0.9336885605	0.9999763851
UBN2	1.0178058951	0.9616027636	0.9999763851
LUC7L2	-1.3445014557	0.0431168178	0.9999763851
C7orf55	-1.2220450386	0.4047334616	0.9999763851
C7orf55-LUC7L2	1.2664941716	0.7819606336	0.9999763851
HIPK2	1.0038952002	0.9808706516	0.9999763851
TBXAS1	1.039632449	0.7973534339	0.9999763851
PARP12	-1.076056544	0.8459356546	0.9999763851
KDM7A	1.6448847496	0.3382553044	0.9999763851
SLC37A3	1.5007464133	0.3573145612	0.9999763851
RAB19	0	0	0
MKRN1	-1.0568706076	0.7876241559	0.9999763851
ADCK2	-1.1149911171	0.5813856853	0.9999763851
NDUFB2	1.0282568252	0.8639422449	0.9999763851

gene_expression_table

BRAF	-1.1885728102	0.4631981259	0.9999763851
MRPS33	1.077191044	0.6935135282	0.9999763851
TMEM178B	-4.2864494036	0.4027150576	0.9999763851
AGK	-1.0378467481	0.9215653342	0.9999763851
KIAA1147	1.045784423	0.8522787339	0.9999763851
WEE2	3.2353357581	0.554787377	0.9999763851
SSBP1	-1.1390383599	0.3762204388	0.9999763851
PRSS37	0	0	0
CLEC5A	-1.1429477392	0.5482043743	0.9999763851
MGAM	1.7952300153	0.2592030523	0.9999763851
MGAM2	5.4781708352	0.3745527127	0.9999763851
EPHB6	-1.251972694	0.6214264958	0.9999763851
TRPV6	0	0	0
KEL	1.4852250107	0.5071786273	0.9999763851
OR6V1	0	0	0
PIP	0	0	0
GSTK1	-1.0986039579	0.6267835153	0.9999763851
CASP2	-1.0817185402	0.5923620908	0.9999763851
CLCN1	3.2356557963	0.5547505991	0.9999763851
FAM131B	2.8345356849	0.3324761417	0.9999763851
LOC100507507	1.0879252635	0.8520900292	0.9999763851
ZYX	1.2154052789	0.2744682412	0.9999763851
EPHA1	1.0953952354	0.724211736	0.9999763851
LOC101928422	6.368054416	0.3491752152	0.9999763851
TCAF2	-1.9498743893	0.3211403515	0.9999763851
TCAF1	-1.0146583012	0.9650716657	0.9999763851
TPK1	-2.3437421063	0.0286777084	0.9999763851
CNTNAP2	-1.8919466972	0.2216852657	0.9999763851
CUL1	1.1559033425	0.3616115311	0.9999763851
EZH2	1.3751208806	0.1184798313	0.9999763851
PDIA4	-1.249551815	0.1283609228	0.9999763851
ZNF786	2.3406309168	0.4064998765	0.9999763851
ZNF425	-3.3284109188	0.2422780785	0.9999763851
ZNF398	-1.1505850001	0.6757588464	0.9999763851
ZNF282	-1.1279750704	0.6271694393	0.9999763851
ZNF212	-1.0716946815	0.8422101461	0.9999763851
ZNF783	-2.7177561303	0.1581637869	0.9999763851
ZNF777	1.2997010458	0.2582767168	0.9999763851
ZNF746	2.2676908633	0.0156067308	0.9999763851
KRBA1	1.005759094	0.9891590912	0.9999763851
ZNF467	2.3399628165	0.4287847126	0.9999763851
SSPO	0	0	0
ZNF862	2.0392704743	0.0786456448	0.9999763851
ATP6V0E2	1.5076098516	0.1523718194	0.9999763851
ACTR3C	5.4790129495	0.3755300282	0.9999763851
REPIN1	1.0425666032	0.8105158122	0.9999763851
ZNF775	1.2357073156	0.5353976021	0.9999763851
GIMAP6	0	0	0
GIMAP2	-2.2386708426	0.3228075893	0.9999763851

gene_expression_table

GIMAP1	3.1181383987	0.1644481717	0.9999763851
GIMAP5	-1.2301452062	0.7475757252	0.9999763851
TMEM176B	0	0	0
TMEM176A	0	0	0
AOC1	4.2952862008	0.0174898113	0.9999763851
KCNH2	-1.148769585	0.8524480909	0.9999763851
NOS3	1.4700672986	0.6282958928	0.9999763851
ATG9B	1.3642607159	0.2404378931	0.9999763851
ABCB8	1.5224190013	0.2953660822	0.9999763851
ASIC3	-4.2849908816	0.4028453076	0.9999763851
CDK5	1.6414863076	0.1283550728	0.9999763851
SLC4A2	1.1097280139	0.7211673493	0.9999763851
FASTK	1.2134624697	0.3099068408	0.9999763851
TMUB1	1.034986563	0.9166283544	0.9999763851
AGAP3	-1.2645526064	0.1622459227	0.9999763851
ASB10	3.2353357581	0.554787377	0.9999763851
ABCF2	1.162485388	0.444492397	0.9999763851
CHPF2	1.2230015943	0.6314072868	0.9999763851
SMARCD3	-1.1561688231	0.5338962639	0.9999763851
NUB1	1.003230485	0.9865390006	0.9999763851
WDR86	0	0	0
CRYGN	3.2361532718	0.5546934395	0.9999763851
RHEB	1.1198816058	0.4395619225	0.9999763851
PRKAG2	-1.5042685252	0.1263404086	0.9999763851
GALNTL5	0	0	0
GALNT11	-1.5151731585	0.3392634407	0.9999763851
KMT2C	1.0081522651	0.9652181705	0.9999763851
XRCC2	-2.2009269002	0.1330182492	0.9999763851
ACTR3B	1.420167376	0.37771521	0.9999763851
DPP6	-4.287394647	0.4026306792	0.9999763851
PAXIP1	-1.0921052317	0.7191404986	0.9999763851
INSIG1	1.098043046	0.566422573	0.9999763851
CNPY1	0	0	0
RBM33	-1.040247496	0.8216489381	0.9999763851
SHH	-1.1960111917	0.7986160897	0.9999763851
RNF32	1.3712615059	0.3506300527	0.9999763851
LMBR1	-1.1549860672	0.5772522782	0.9999763851
NOM1	1.0061963107	0.9837036735	0.9999763851
MNX1	0	0	0
UBE3C	-1.2362450796	0.2723486973	0.9999763851
DNAJB6	1.0649713633	0.6581283139	0.9999763851
PTPRN2	1.2238256159	0.1940897266	0.9999763851
NCAPG2	1.227705825	0.2841848852	0.9999763851
ESYT2	1.0842470507	0.5446453596	0.9999763851
WDR60	-1.4462633224	0.1898811196	0.9999763851
LOC101927506	-1.3032413687	0.4237502393	0.9999763851
ZNF596	1.0603640252	0.9187222914	0.9999763851
FBXO25	-1.1787543677	0.417556954	0.9999763851
ERICH1	1.0429366413	0.8073255904	0.9999763851

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LOC105377774	0	0	0
CLN8	1.1435750234	0.5165600216	0.9999763851
ARHGEF10	-1.152788508	0.3383661556	0.9999763851
KBTBD11	1.0579831489	0.6714738048	0.9999763851
MYOM2	1.2167155364	0.6934042691	0.9999763851
CSMD1	-1.1494263678	0.8551670286	0.9999763851
MCPH1	-1.0092042184	0.9737700029	0.9999763851
AGPAT5	1.0604882267	0.7265222185	0.9999763851
DEFB1	-1.1362077083	0.7906079227	0.9999763851
DEFA6	3.2356557963	0.5547505991	0.9999763851
DEFA3	0	0	0
LOC101928095	3.2356557963	0.5547505991	0.9999763851
DEFB107B	0	0	0
SGK223	1.6240330447	0.1740344477	0.9999763851
MFHAS1	1.019818381	0.9198398018	0.9999763851
ERI1	1.009192244	0.9613795581	0.9999763851
PPP1R3B	-1.2274062003	0.5252792829	0.9999763851
TNKS	-1.1677562568	0.4657381213	0.9999763851
MSRA	1.0771462741	0.6565629718	0.9999763851
PRSS55	0	0	0
RP1L1	-7.5664585246	0.2262040232	0.9999763851
C8orf74	0	0	0
SOX7	-4.287394647	0.4026306792	0.9999763851
PINX1	1.5534800774	0.0546158456	0.9999763851
XKR6	0	0	0
MTMR9	1.0440636445	0.8223917365	0.9999763851
BLK	0	0	0
GATA4	3.2361532718	0.5546934395	0.9999763851
NEIL2	-1.1043267839	0.6072977078	0.9999763851
FDFT1	1.1087028495	0.441346208	0.9999763851
CTSB	-1.4385375411	0.0220313104	0.9999763851
FAM86B1	1.6938437942	0.6482137545	0.9999763851
FAM86B2	2.7888075642	0.0791380525	0.9999763851
LONRF1	1.0576498276	0.7963966868	0.9999763851
SGCZ	3.2361532718	0.5546934395	0.9999763851
TUSC3	0	0	0
ZDHHC2	1.1706923952	0.3751755433	0.9999763851
CNOT7	-1.0880305422	0.5614371017	0.9999763851
VPS37A	-1.005026464	0.9854952552	0.9999763851
MTMR7	-1.2775131623	0.645953223	0.9999763851
SLC7A2	0	0	0
PDGFRL	2.3718951865	0.4298080056	0.9999763851
MTUS1	6.5527883443	0.0604654102	0.9999763851
FGL1	-2.9214815332	0.2255412548	0.9999763851
PCM1	-1.1754375874	0.2744839348	0.9999763851
ASAH1	-1.1648416212	0.3038487466	0.9999763851
NAT1	1.5792356417	0.2523822491	0.9999763851
PSD3	-6.7190164239	0.0168710208	0.9999763851
CSGALNACT1	-4.2849908816	0.4028453076	0.9999763851

gene_expression_table

INTS10	1.0289547713	0.8477526861	0.9999763851
ATP6V1B2	-1.163518063	0.2776621727	0.9999763851
LZTS1	-1.0993155783	0.8549022551	0.9999763851
GFRA2	3.2353357581	0.554787377	0.9999763851
DOK2	1.2227263711	0.3518472625	0.9999763851
XPO7	1.3646850532	0.0396533149	0.9999763851
NPM2	0	0	0
FGF17	3.2361532718	0.5546934395	0.9999763851
DMTN	0	0	0
FAM160B2	1.0341944798	0.904489878	0.9999763851
NUDT18	1.3411938723	0.7188283026	0.9999763851
REEP4	1.2189329004	0.3119568966	0.9999763851
BMP1	-1.1425383389	0.604674118	0.9999763851
PHYHIP	-1.315303824	0.8206171563	0.9999763851
POLR3D	-1.1574171561	0.6074902132	0.9999763851
PIWIL2	-1.3154339304	0.8205576571	0.9999763851
SLC39A14	1.0259840595	0.9056486958	0.9999763851
PPP3CC	1.0817588787	0.8298605094	0.9999763851
SORBS3	1.4373308199	0.0586194251	0.9999763851
PDLIM2	1.0991104274	0.624111947	0.9999763851
LOC107986876	-1.2303879832	0.7501769833	0.9999763851
CCAR2	1.0446393582	0.878752623	0.9999763851
BIN3	-1.1213769521	0.6508656537	0.9999763851
EGR3	-2.4274267559	0.444512626	0.9999763851
PEBP4	-2.3220580825	0.4379866635	0.9999763851
LOC107984124	-3.6013971471	0.1475950682	0.9999763851
RHOBTB2	-1.1017419755	0.6450123638	0.9999763851
TNFRSF10B	1.0597962099	0.771675869	0.9999763851
TNFRSF10C	1.3416940469	0.7101625849	0.9999763851
TNFRSF10D	1.4332638114	0.1928969018	0.9999763851
TNFRSF10A	-2.5600051511	0.2551919212	0.9999763851
CHMP7	-1.2478132897	0.3684863237	0.9999763851
R3HCC1	1.3985996961	0.2603718541	0.9999763851
LOXL2	-2.2684489947	0.0897041859	0.9999763851
ENTPD4	1.0592170798	0.8465746069	0.9999763851
SLC25A37	1.0064786111	0.9644771447	0.9999763851
NKX3-1	1.9229787277	0.4494377664	0.9999763851
STC1	1.2867653957	0.8301398163	0.9999763851
ADAMDEC1	-6.3107594234	0.001443	0.9833300676
DOCK5	-1.2786711062	0.2517035205	0.9999763851
GNRH1	-1.817658111	0.4893544708	0.9999763851
KCTD9	1.3212186742	0.2122866179	0.9999763851
CDCA2	1.206659786	0.2650265567	0.9999763851
PPP2R2A	1.0282154786	0.8516664593	0.9999763851
BNIP3L	1.0724375763	0.709035667	0.9999763851
PNMA2	3.2353357581	0.554787377	0.9999763851
DPYSL2	1.0729100739	0.6424729382	0.9999763851
ADRA1A	3.2353357581	0.554787377	0.9999763851
TRIM35	-1.0233682613	0.9191432708	0.9999763851

gene_expression_table

PTK2B	1.0834284135	0.6129108127	0.9999763851
CHRNA2	0	0	0
CLU	1.3414047442	0.1384967216	0.9999763851
SCARA3	-1.0726805543	0.8582000601	0.9999763851
CCDC25	-1.0067341735	0.9676799004	0.9999763851
ESCO2	1.9672305522	0.0352105008	0.9999763851
PBK	1.2619692003	0.1990293938	0.9999763851
ELP3	-1.0154903507	0.9348709302	0.9999763851
PNOC	0	0	0
ZNF395	-1.099623388	0.5585524064	0.9999763851
FBXO16	0	0	0
EXTL3	1.3288910258	0.3258158961	0.9999763851
INTS9	1.2121485014	0.4134545908	0.9999763851
HMBOX1	-1.3448864747	0.2448941456	0.9999763851
KIF13B	1.0300839327	0.9518122402	0.9999763851
DUSP4	1.3255544809	0.1763344276	0.9999763851
SARAF	1.0171353809	0.9133091191	0.9999763851
LEPROTL1	-1.0061328951	0.968936976	0.9999763851
MBOAT4	1.6248125624	0.5711456773	0.9999763851
DCTN6	1.1969183505	0.4548920034	0.9999763851
GTF2E2	1.0500526515	0.7634339484	0.9999763851
GSR	1.0793188762	0.6139673865	0.9999763851
UBXN8	-1.0243023348	0.9126350169	0.9999763851
PPP2CB	-1.3341345691	0.1760758379	0.9999763851
PURG	0	0	0
WRN	1.1521303174	0.5762933101	0.9999763851
NRG1	-1.3708355312	0.7474480451	0.9999763851
FUT10	1.0129043461	0.9639044789	0.9999763851
MAK16	-2.6620159038	9.14E-05	0.1447401432
TTI2	3.8630893811	1.00E-06	0.002699
RNF122	1.0280058166	0.9750561227	0.9999763851
DUSP26	0	0	0
UNC5D	3.2356557963	0.5547505991	0.9999763851
ZNF703	1.0856559564	0.6970820605	0.9999763851
ERLIN2	-1.3153234859	0.2186008144	0.9999763851
PROSC	1.2267447587	0.2460114131	0.9999763851
ADGRA2	-1.066062659	0.6775410842	0.9999763851
BRF2	-1.0638730528	0.7084096568	0.9999763851
RAB11FIP1	1.0149166326	0.9326850055	0.9999763851
EIF4EBP1	-1.0890685398	0.663186681	0.9999763851
ASH2L	1.0885071947	0.5946804104	0.9999763851
STAR	-1.8294751893	0.0793776121	0.9999763851
LSM1	1.2040323987	0.365498686	0.9999763851
BAG4	1.0557350448	0.7838883256	0.9999763851
DDHD2	1.2128575914	0.3794195116	0.9999763851
PLPP5	1.0081284723	0.9782103242	0.9999763851
WHSC1L1	-1.0880417053	0.6735051696	0.9999763851
LETM2	1.1406059108	0.8268710036	0.9999763851
FGFR1	1.3241974546	0.4559237843	0.9999763851

gene_expression_table

TACC1	1.0425537857	0.7448355208	0.9999763851
PLEKHA2	1.0385359501	0.7952760373	0.9999763851
TM2D2	1.6068927566	0.0282422178	0.9999763851
ADAM9	1.4550699438	0.3461120508	0.9999763851
ADAM32	-1.6348888287	0.3753617822	0.9999763851
ADAM18	0	0	0
IDO2	3.2356557963	0.5547505991	0.9999763851
ZMAT4	0	0	0
GOLGA7	-1.2706863904	0.1464848051	0.9999763851
GIN54	2.0478219626	0.0217006917	0.9999763851
GPAT4	1.0174088714	0.9106729016	0.9999763851
ANK1	1.7349366192	0.230323362	0.9999763851
KAT6A	-1.0290856422	0.8549017917	0.9999763851
AP3M2	1.3131380334	0.3250121124	0.9999763851
PLAT	0	0	0
IKBKB	-1.3820034023	0.1146948094	0.9999763851
POLB	1.3407709621	0.2667210306	0.9999763851
DKK4	-4.2864494036	0.4027150576	0.9999763851
VDAC3	1.0838697098	0.5462600802	0.9999763851
SLC20A2	-1.0479340919	0.8138877403	0.9999763851
SMIM19	1.540076391	0.0704941204	0.9999763851
THAP1	1.746702179	0.1162530926	0.9999763851
RNF170	-1.1018826496	0.6477426669	0.9999763851
HOOK3	1.0133405051	0.9346183523	0.9999763851
FNTA	1.1619438452	0.3590933086	0.9999763851
POMK	2.34099053	0.3999111465	0.9999763851
HGSNAT	1.3053388029	0.2113487013	0.9999763851
SPIDR	-1.6034251166	0.0332215248	0.9999763851
CEBPD	7.7192231741	0.2782707334	0.9999763851
PRKDC	1.0266437769	0.8754379185	0.9999763851
MCM4	1.1825452925	0.2142825582	0.9999763851
UBE2V2	-1.1835284581	0.1925514982	0.9999763851
SNTG1	0	0	0
PXDNL	5.4781708352	0.3745527127	0.9999763851
PCMTD1	-1.0867524902	0.7576084892	0.9999763851
ST18	3.2361532718	0.5546934395	0.9999763851
FAM150A	0	0	0
RB1CC1	-1.2105452699	0.4012354925	0.9999763851
OPRK1	1.1346379968	0.5902408663	0.9999763851
ATP6V1H	1.2709322457	0.270087636	0.9999763851
RGS20	-4.2849908816	0.4028453076	0.9999763851
TCEA1	-1.0269224857	0.8879403369	0.9999763851
LYPLA1	1.4487581206	0.0192311475	0.9999763851
MRPL15	1.0616357253	0.6880334228	0.9999763851
RP1	6.368054416	0.3491821635	0.9999763851
TMEM68	-1.0477853461	0.8781669371	0.9999763851
TGS1	1.1521810797	0.4395768762	0.9999763851
LYN	-1.1105043527	0.4766837322	0.9999763851
RPS20	1.0479476681	0.7012615761	0.9999763851

gene_expression_table

PLAG1	1.0172688829	0.9498968131	0.9999763851
CHCHD7	1.1891295795	0.238004314	0.9999763851
IMPAD1	-1.1111356375	0.5548146279	0.9999763851
UBXN2B	-1.0448300484	0.8049453653	0.9999763851
SDCBP	-1.8682211847	0.1439379878	0.9999763851
NSMAF	-1.2484053101	0.0958118738	0.9999763851
TOX	-2.5596117216	0.2615742465	0.9999763851
RAB2A	-1.2201517894	0.1539852589	0.9999763851
CHD7	-1.394553145	0.6912352536	0.9999763851
LOC105375938	1.2869488883	0.8201303114	0.9999763851
CLVS1	3.6822803285	0.1937397534	0.9999763851
ASPH	-1.6101603492	0.1061890958	0.9999763851
NKAIN3	5.4790129495	0.3756234837	0.9999763851
YTHDF3	-1.2618751124	0.1142120203	0.9999763851
CYP7B1	0	0	0
ARMC1	1.1259473867	0.4485182965	0.9999763851
MTFR1	1.1978861101	0.3712977355	0.9999763851
PDE7A	1.3092091275	0.558097201	0.9999763851
DNAJC5B	-1.3158816768	0.8203229797	0.9999763851
TRIM55	7.4933530102	0.2987077671	0.9999763851
RRS1	-1.0326179662	0.8398968301	0.9999763851
ADHFE1	0	0	0
MYBL1	2.1540433933	0.1038866927	0.9999763851
VCPIP1	-1.53186198	0.0806246417	0.9999763851
C8orf44	3.7682243222	0.2257682304	0.9999763851
C8orf44-SGK3	-1.5947065317	0.077697772	0.9999763851
SGK3	1.2505118907	0.5118545335	0.9999763851
MCMD2C2	-1.0522684077	0.7175096505	0.9999763851
TCF24	-4.2849908816	0.4028453076	0.9999763851
COPS5	1.3733825717	0.1043460423	0.9999763851
CSPP1	-1.0297929625	0.9062599159	0.9999763851
ARFGEF1	-1.1062204244	0.6552764523	0.9999763851
CPA6	1.027554661	0.9756568037	0.9999763851
SULF1	0	0	0
PRDM14	0	0	0
NCOA2	-1.1471955195	0.6081182073	0.9999763851
TRAM1	-1.0172530996	0.916051658	0.9999763851
LACTB2	1.0729406712	0.801816672	0.9999763851
XKR9	-4.2849908816	0.4028453076	0.9999763851
KCNB2	3.2356557963	0.5547505991	0.9999763851
TERF1	1.0302418787	0.8731524169	0.9999763851
SBSPON	2.8699786574	0.2275014857	0.9999763851
C8orf89	0	0	0
RPL7	1.2483960303	0.0612657832	0.9999763851
RDH10	-1.0372532667	0.9142791095	0.9999763851
STAU2	1.0091927785	0.9542264913	0.9999763851
UBE2W	-2.1045879989	0.0178730665	0.9999763851
TCEB1	1.0367425103	0.8083411912	0.9999763851
TMEM70	-1.3196262818	0.1409588848	0.9999763851

gene_expression_table

LY96	1.2870761236	0.8160709833	0.9999763851
GDAP1	3.6824427513	0.0711644253	0.9999763851
ZFHX4	0	0	0
PEX2	-1.005099002	0.9856968383	0.9999763851
LOC105375907	-10.8458971147	0.143297758	0.9999763851
ZC2HC1A	0	0	0
IL7	-3.0625500992	0.1535337395	0.9999763851
MRPS28	1.1529148827	0.6011280599	0.9999763851
TPD52	1.959384623	0.0154744288	0.9999763851
ZNF704	3.2353357581	0.554787377	0.9999763851
PAG1	-1.1514079534	0.3952447469	0.9999763851
FABP5	-1.1228160801	0.4309918747	0.9999763851
IMPA1	1.5593807263	0.0164639935	0.9999763851
SLC10A5	-4.2849908816	0.4028453076	0.9999763851
ZFAND1	-1.237777719	0.6465559301	0.9999763851
SNX16	1.4995339414	0.4512081041	0.9999763851
LRRCC1	1.2804626953	0.3557880341	0.9999763851
E2F5	1.6147583029	0.4303877657	0.9999763851
C8orf59	-1.128203331	0.4498807463	0.9999763851
CA13	0	0	0
CA3	0	0	0
ATP6V0D2	-7.5647903763	0.2176246281	0.9999763851
WWP1	-1.3066821489	0.6164945661	0.9999763851
RMDN1	-1.1742706176	0.4235470363	0.9999763851
CPNE3	1.3169713144	0.0476031897	0.9999763851
CNBD1	10.4285443305	0.2414187314	0.9999763851
MMP16	3.2353357581	0.554787377	0.9999763851
RIPK2	-1.5845031786	0.3782776676	0.9999763851
OSGIN2	1.0044678214	0.9815058608	0.9999763851
NBN	-1.1336121546	0.5705107675	0.9999763851
DECR1	1.1632906229	0.4317237135	0.9999763851
CALB1	3.2361532718	0.5546934395	0.9999763851
TMEM64	-1.0107884713	0.9720612535	0.9999763851
NECAB1	0	0	0
C8orf88	-4.2849908816	0.4028453076	0.9999763851
TMEM55A	-1.4513062802	0.3941834571	0.9999763851
OTUD6B	-1.1455204108	0.5938638676	0.9999763851
LRRC69	-1.0377913173	0.943433887	0.9999763851
SLC26A7	0	0	0
TRIQQ	3.2361532718	0.5546934395	0.9999763851
FAM92A1	16.68931238	0.1282237357	0.9999763851
RBM12B	1.2355188726	0.4673562656	0.9999763851
TMEM67	-2.5616116111	0.3180401137	0.9999763851
PDP1	1.1347062888	0.6199933211	0.9999763851
CDH17	-1.3158816768	0.8203229797	0.9999763851
RAD54B	-1.2409726533	0.5254821756	0.9999763851
FSBP	-2.5595294703	0.3313983831	0.9999763851
KIAA1429	1.0150765162	0.9279112938	0.9999763851
DPY19L4	1.0196018649	0.9455722808	0.9999763851

gene_expression_table

INTS8	1.3364022371	0.3745241867	0.9999763851
CCNE2	3.7488601547	0.0213945604	0.9999763851
NDUFAF6	-1.367640106	0.1216497897	0.9999763851
PLEKHF2	-1.0305481475	0.8805727142	0.9999763851
C8orf37	2.1695825873	0.4532423473	0.9999763851
UQCRB	-1.0483086239	0.7090369211	0.9999763851
MTERF3	2.0140400713	0.1958351475	0.9999763851
PTDSS1	-1.0738019293	0.580977574	0.9999763851
CPQ	-1.3250400972	0.1359969495	0.9999763851
MTDH	-1.0591801378	0.6299636056	0.9999763851
LAPTM4B	5.4770877341	0.3746135179	0.9999763851
MATN2	3.2356557963	0.5547505991	0.9999763851
RPL30	-1.0172902628	0.8971506862	0.9999763851
ERICH5	3.2356557963	0.5547505991	0.9999763851
RIDA	1.1500645434	0.5086081001	0.9999763851
POP1	1.2372070932	0.3241224367	0.9999763851
NIPAL2	1.1107555331	0.6982254012	0.9999763851
STK3	-1.4241948029	0.193440807	0.9999763851
VPS13B	1.0554937377	0.80476688	0.9999763851
COX6C	-1.1737227755	0.1959688688	0.9999763851
RGS22	3.2353357581	0.554787377	0.9999763851
FBXO43	-2.8354075942	0.0152263282	0.9999763851
POLR2K	1.0563097794	0.7956891145	0.9999763851
SPAG1	1.1421174847	0.789795773	0.9999763851
RNF19A	-1.0386571315	0.8942369549	0.9999763851
ANKRD46	-1.3160897641	0.2444144846	0.9999763851
PABPC1	1.1562436235	0.273846531	0.9999763851
YWHAZ	1.1136845338	0.3568112561	0.9999763851
ZNF706	1.4611536178	0.0248054797	0.9999763851
GRHL2	-1.3154339304	0.8205576571	0.9999763851
NCALD	1.2607119075	0.4622572671	0.9999763851
RRM2B	-1.3689541823	0.2076157972	0.9999763851
UBR5	-1.0569893753	0.7381709571	0.9999763851
KLF10	1.0369944912	0.8856566578	0.9999763851
LOC101927245	3.2356557963	0.5547505991	0.9999763851
LOC107986873	1.9410444986	0.0577707054	0.9999763851
AZIN1	-1.0125047424	0.9336375479	0.9999763851
ATP6V1C1	-1.0318091797	0.8768324791	0.9999763851
BAALC	5.4776292235	0.3745831165	0.9999763851
CTHRC1	1.7889997486	0.4430561517	0.9999763851
SLC25A32	1.1731002443	0.3832294477	0.9999763851
DCAF13	1.157540306	0.3801294601	0.9999763851
DCSTAMP	-7.348280118	0.003043	0.9999763851
DPYS	3.2356557963	0.5547505991	0.9999763851
ZFPM2	1.2869488883	0.820284766	0.9999763851
OXR1	-1.3160416743	0.8273188224	0.9999763851
ANGPT1	0	0	0
RSPO2	-1.3154339304	0.8205576571	0.9999763851
EIF3E	-1.0654213796	0.6733477971	0.9999763851

gene_expression_table

EMC2	1.0828516477	0.6858123481	0.9999763851
TRHR	3.2353357581	0.554787377	0.9999763851
NUDCD1	1.0453846255	0.8572309215	0.9999763851
ENY2	1.1077136231	0.5404840797	0.9999763851
PKHD1L1	0	0	0
EBAG9	1.1684835695	0.5487226903	0.9999763851
CSMD3	0	0	0
TRPS1	0	0	0
EIF3H	1.0852775113	0.5860029758	0.9999763851
UTP23	1.4160905498	0.2158903567	0.9999763851
RAD21	1.171139379	0.2246521849	0.9999763851
SLC30A8	0	0	0
MED30	-1.3483595022	0.1766711155	0.9999763851
EXT1	-1.3158816768	0.8203229797	0.9999763851
SAMD12	-1.315303824	0.8206171563	0.9999763851
MAL2	0	0	0
NOV	-1.3184224589	0.4570199892	0.9999763851
TAF2	-1.0847163728	0.6750476981	0.9999763851
DSCC1	1.128139477	0.4696858834	0.9999763851
DEPTOR	-2.0577216265	0.0432314028	0.9999763851
COL14A1	0	0	0
MRPL13	1.0724863516	0.6673766183	0.9999763851
MTBP	1.242084178	0.5683162366	0.9999763851
SNTB1	-1.1102883523	0.5197689663	0.9999763851
ZHX2	-1.3821220995	0.3949950573	0.9999763851
DERL1	1.1422082637	0.3856336652	0.9999763851
TBC1D31	1.0190916226	0.9543427582	0.9999763851
C8orf76	1.015377145	0.9390940245	0.9999763851
ZHX1-C8orf76	-3.5755910691	0.1288494926	0.9999763851
ZHX1	1.2488043423	0.2292352643	0.9999763851
ATAD2	-1.0851010578	0.6136224313	0.9999763851
WDYHV1	1.6947153005	0.0924906518	0.9999763851
FBXO32	-4.4559126662	0.001263	0.894101927
ANXA13	0	0	0
FAM91A1	1.1496297567	0.4295061752	0.9999763851
FER1L6	0	0	0
TMEM65	1.0960345728	0.5101694289	0.9999763851
TRMT12	1.2294531996	0.5598157328	0.9999763851
RNF139	1.4771475472	0.0272855884	0.9999763851
TATDN1	-1.1878366718	0.2288021274	0.9999763851
NDUFB9	1.0463204234	0.7095143924	0.9999763851
MTSS1	-1.0066325552	0.9897651172	0.9999763851
SQLE	-1.0280527015	0.8654880425	0.9999763851
KIAA0196	1.5787178173	0.0290788851	0.9999763851
NSMCE2	-1.2904312553	0.0617165053	0.9999763851
TRIB1	-2.0623786617	0.3152408669	0.9999763851
MYC	1.1649185816	0.5167043664	0.9999763851
GSDMC	0	0	0
FAM49B	-1.1121637699	0.427671201	0.9999763851

gene_expression_table

ASAP1	-1.2473570434	0.2416942349	0.9999763851
EFR3A	1.0539072798	0.8051795113	0.9999763851
HHLA1	0	0	0
KCNQ3	1.6240996663	0.5566551786	0.9999763851
LRRC6	-1.3710462586	0.7617555962	0.9999763851
TMEM71	2.0313258944	0.0979654213	0.9999763851
PHF20L1	1.331258793	0.1001838341	0.9999763851
TG	1.595494579	0.2109856831	0.9999763851
SLA	1.1846698446	0.278134793	0.9999763851
WISP1	0	0	0
NDRG1	1.2539587871	0.1571652665	0.9999763851
ST3GAL1	-1.0634767112	0.670490098	0.9999763851
ZFAT	-1.0254325963	0.937538564	0.9999763851
FAM135B	1.0310184702	0.9596632217	0.9999763851
COL22A1	-3.3001189282	0.0758440668	0.9999763851
TRAPPC9	1.0870429928	0.6894414329	0.9999763851
CHRA1	-1.1099034481	0.6823227514	0.9999763851
AGO2	-1.3248386508	0.1193676222	0.9999763851
DENND3	-1.2502031159	0.1606714613	0.9999763851
SLC45A4	1.2561837095	0.1904482544	0.9999763851
GPR20	-4.2864494036	0.4027150576	0.9999763851
PTP4A3	1.3400821203	0.3853351754	0.9999763851
TSNARE1	-1.1453118218	0.5273941892	0.9999763851
ADGRB1	-1.0300371575	0.9610439186	0.9999763851
JRK	1.4100026603	0.2957597358	0.9999763851
PSCA	-14.1187086092	0.0979429	0.9999763851
LY6K	0	0	0
THEM6	1.0281954075	0.8848886009	0.9999763851
GML	-4.019862227	0.0281217507	0.9999763851
LY6E	-1.4890278981	0.0140810221	0.9999763851
C8orf31	-4.2849908816	0.4028453076	0.9999763851
GPIHBP1	0	0	0
ZFP41	1.1480677451	0.7784327362	0.9999763851
GLI4	1.3406186202	0.7026521051	0.9999763851
ZNF696	1.3704689566	0.3587884482	0.9999763851
TOP1MT	-1.1048386768	0.5748891036	0.9999763851
ZC3H3	1.1020710098	0.6660130065	0.9999763851
GSDMD	-1.1750175617	0.3355162369	0.9999763851
MROH6	-1.079686599	0.8233658746	0.9999763851
NAPRT	1.2473808269	0.2317447378	0.9999763851
EEF1D	-1.0934180838	0.5021319197	0.9999763851
TIGD5	1.570638626	0.2660133584	0.9999763851
PYCRL	1.7379490089	0.2866993556	0.9999763851
TSTA3	1.3481552047	0.1853450499	0.9999763851
ZNF623	-1.3646033691	0.444383834	0.9999763851
ZNF707	1.1234425176	0.7923370859	0.9999763851
SCRIB	1.0172954087	0.9503202189	0.9999763851
PUF60	-1.0827258833	0.6748521137	0.9999763851
NRBP2	-2.3534778273	0.0821357113	0.9999763851

gene_expression_table

PLEC	-1.0229379022	0.9116160073	0.9999763851
PARP10	-1.8746606282	0.3553885246	0.9999763851
GRINA	-1.0846213695	0.60885892	0.9999763851
OPLAH	1.1900936369	0.8126829972	0.9999763851
EXOSC4	1.0610821823	0.7210151355	0.9999763851
GPAA1	-1.0703091748	0.6587602306	0.9999763851
CYC1	1.1622858615	0.2605545515	0.9999763851
SHARPIN	-1.7190876755	0.0974960092	0.9999763851
MAF1	1.2351562318	0.227698311	0.9999763851
WDR97	-4.2849908816	0.4028453076	0.9999763851
HGH1	1.4220413028	0.2094064918	0.9999763851
MROH1	-1.0196891832	0.9394992958	0.9999763851
BOP1	1.2585413352	0.1649874542	0.9999763851
SCX	-1.9440624723	0.1375665664	0.9999763851
HSF1	-1.0584767853	0.7310300543	0.9999763851
DGAT1	-1.1483201326	0.5596457856	0.9999763851
SCRT1	3.2356557963	0.5547505991	0.9999763851
TMEM249	1.0102638454	0.9884365864	0.9999763851
FBXL6	2.1397134371	0.0435901977	0.9999763851
SLC52A2	1.0979850407	0.5727483592	0.9999763851
ADCK5	1.8999924656	0.1425456128	0.9999763851
CPSF1	1.8688830099	0.007991	0.9999763851
SLC39A4	1.0305225036	0.9051048931	0.9999763851
VPS28	1.144903607	0.4802348406	0.9999763851
TONSL	1.0974633436	0.7240552053	0.9999763851
CYHR1	-1.0305864516	0.8674914018	0.9999763851
KIFC2	0	0	0
FOXH1	1.1130684164	0.6644326683	0.9999763851
PPP1R16A	1.4238206429	0.287474715	0.9999763851
MFSD3	1.1314138894	0.6065094511	0.9999763851
RECQL4	-1.0083886279	0.9589103237	0.9999763851
LRRC14	1.133785151	0.702221855	0.9999763851
LRRC24	1.4321406453	0.2484986505	0.9999763851
C8orf82	1.0229226905	0.9695079924	0.9999763851
ARHGAP39	-1.3157515262	0.8223957341	0.9999763851
ZNF251	-1.6880094949	0.0619954524	0.9999763851
ZNF34	-1.1956050279	0.7982698734	0.9999763851
RPL8	1.0666206141	0.5893552547	0.9999763851
ZNF517	-1.2212653632	0.664385966	0.9999763851
ZNF7	-1.0068064973	0.9856165711	0.9999763851
COMMD5	-1.3639574501	0.0528740479	0.9999763851
ZNF250	-1.0482436097	0.8789975961	0.9999763851
ZNF16	-1.0561204258	0.8442608948	0.9999763851
LOC107986987	0	0	0
C8orf33	1.0413633888	0.8384075092	0.9999763851
LOC107983994	5.4770877341	0.3746135179	0.9999763851
WASH1	1.113945423	0.5537330394	0.9999763851
FOXD4	7.7488609396	0.3060538318	0.9999763851
CBWD1	1.7572156823	0.001936	0.9999763851

gene_expression_table

DOCK8	1.0675372946	0.8059410437	0.9999763851
C9orf66	2.8791826771	0.2412543662	0.9999763851
KANK1	1.0799577951	0.6993337387	0.9999763851
DMRT1	0	0	0
SMARCA2	1.2894108424	0.137443788	0.9999763851
VLDLR	-1.286676189	0.4723572827	0.9999763851
PUM3	-1.2385201276	0.1627017927	0.9999763851
RFX3	-2.0558572505	0.0830436661	0.9999763851
GLIS3	3.2353357581	0.554787377	0.9999763851
PLPP6	1.3620056689	0.5501900276	0.9999763851
CDC37L1	-1.0602463444	0.8734924755	0.9999763851
AK3	1.254055931	0.2667370385	0.9999763851
RCL1	-1.3349517858	0.1589117894	0.9999763851
JAK2	-1.0635819984	0.858200087	0.9999763851
INSL6	1.4853712947	0.5117403326	0.9999763851
RLN1	0	0	0
PLGRKT	-1.3449836187	0.5040923813	0.9999763851
CD274	-1.3151016298	0.8210852002	0.9999763851
PDCD1LG2	3.2353357581	0.554787377	0.9999763851
RIC1	-1.0361301795	0.9055663952	0.9999763851
ERMP1	-1.1451616851	0.545899785	0.9999763851
KIAA2026	-1.188449319	0.5327026192	0.9999763851
MLANA	-1.7654496905	0.5421321503	0.9999763851
RANBP6	-1.1104141706	0.6890721437	0.9999763851
UHRF2	-1.0726883997	0.7340796006	0.9999763851
GLDC	-1.3158816768	0.8203229797	0.9999763851
KDM4C	1.0512338861	0.780697094	0.9999763851
TMEM261	1.4010109169	0.1370926971	0.9999763851
PTPRD	-1.30626541	0.6126738185	0.9999763851
LURAP1L	-2.3217011239	0.4355766872	0.9999763851
FREM1	0	0	0
TTC39B	0	0	0
SNAPC3	-1.1917196451	0.4498228765	0.9999763851
PSIP1	-1.1465956252	0.4414994755	0.9999763851
CCDC171	1.359700539	0.5933881588	0.9999763851
BNC2	-1.3297810912	0.3509675909	0.9999763851
CNTLN	-1.4693925787	0.0653489038	0.9999763851
SH3GL2	-4.2849908816	0.4028453076	0.9999763851
ADAMTSL1	-4.2849908816	0.4028453076	0.9999763851
SAXO1	-1.2843945718	0.6674649296	0.9999763851
RRAGA	-1.1564715988	0.3528735611	0.9999763851
HAUS6	-1.019084379	0.9413109249	0.9999763851
PLIN2	-1.6275512937	0.000384	0.4396020528
DENND4C	-1.503999038	0.1061842909	0.9999763851
RPS6	-1.074565803	0.5474539716	0.9999763851
ACER2	-1.0805963894	0.9257141641	0.9999763851
SLC24A2	1.4200447571	0.6745299961	0.9999763851
MLLT3	1.2162627286	0.6949209112	0.9999763851
FOCAD	-1.0361594383	0.8584237894	0.9999763851

gene_expression_table

HACD4	-1.0609572332	0.8538375093	0.9999763851
KLHL9	-1.0913605166	0.6904713634	0.9999763851
MTAP	-1.2430941661	0.3280349121	0.9999763851
CDKN2A	1.0073527891	0.9616884703	0.9999763851
CDKN2B	1.0951597789	0.8919882384	0.9999763851
CAAP1	1.0916188512	0.7738700686	0.9999763851
PLAA	-1.0963055653	0.7327621294	0.9999763851
IFT74	-1.0560434138	0.9108691523	0.9999763851
LRRC19	5.4781708352	0.3745527127	0.9999763851
MOB3B	-1.1173334845	0.822305597	0.9999763851
IFNK	0	0	0
C9orf72	-1.1255766836	0.7168536833	0.9999763851
ACO1	-1.2808471111	0.2080097038	0.9999763851
DDX58	-1.462352467	0.4737739818	0.9999763851
TOPORS	-1.2032631612	0.4928868525	0.9999763851
NDUFB6	1.1247594267	0.5844688715	0.9999763851
TAF1L	1.2868359435	0.8211331271	0.9999763851
APTX	1.3672617029	0.1035447404	0.9999763851
DNAJA1	1.0322507328	0.8329630152	0.9999763851
SMU1	1.2776277247	0.1747514848	0.9999763851
B4GALT1	-1.2728642678	0.0989527069	0.9999763851
SPINK4	1.0273967864	0.9753446573	0.9999763851
BAG1	1.0303231931	0.8537297507	0.9999763851
CHMP5	-1.3687833855	0.0339452197	0.9999763851
NFX1	-1.0981250715	0.6616282509	0.9999763851
AQP3	9.9614219348	0.2204168573	0.9999763851
NOL6	1.3645800931	0.1184296003	0.9999763851
UBE2R2	-1.2075737288	0.2456451681	0.9999763851
UBAP2	1.2805906892	0.255651132	0.9999763851
DCAF12	-1.324226696	0.0856354568	0.9999763851
UBAP1	1.2327121093	0.1614126723	0.9999763851
KIF24	1.0271487798	0.9777810704	0.9999763851
NUDT2	-1.332579958	0.3420838718	0.9999763851
KIAA1161	-1.1896333359	0.5976767418	0.9999763851
C9orf24	-1.5066055279	0.2624813462	0.9999763851
FAM219A	2.6539157614	0.2942499482	0.9999763851
ENHO	1.027644744	0.9776324385	0.9999763851
RPP25L	1.0423548825	0.842720602	0.9999763851
DCTN3	1.3148100676	0.1579803451	0.9999763851
ARID3C	3.2353357581	0.554787377	0.9999763851
SIGMAR1	1.1152701893	0.5920838885	0.9999763851
GALT	1.3046695472	0.5404700004	0.9999763851
IL11RA	-1.1025877923	0.7334223836	0.9999763851
CCL27	0	0	0
LOC730098	-4.2849908816	0.4028453076	0.9999763851
PHF24	1.0274983165	0.9757328476	0.9999763851
FAM205C	0	0	0
DNAJB5	-1.9496141069	0.3129399936	0.9999763851
VCP	1.1012850307	0.455182609	0.9999763851

gene_expression_table

FANCG	-1.2097506569	0.3369959682	0.9999763851
PIGO	1.6101837194	0.2473061134	0.9999763851
STOML2	-1.1471538264	0.2794893894	0.9999763851
FAM214B	-2.1173141197	0.1342190419	0.9999763851
UNC13B	1.4398911185	0.2865945989	0.9999763851
RUSC2	-1.6382503713	0.2993683659	0.9999763851
FAM166B	0	0	0
TESK1	1.6940282912	0.2714177434	0.9999763851
CD72	1.0272717886	0.9763454022	0.9999763851
SIT1	0	0	0
CCDC107	-1.0202292189	0.9353385008	0.9999763851
ARHGEF39	1.0534203474	0.8892972107	0.9999763851
TPM2	-5.5810225657	0.1050200998	0.9999763851
TLN1	1.092304729	0.6344824079	0.9999763851
CREB3	-1.1130833213	0.7104055241	0.9999763851
GBA2	-1.2656798021	0.6073026954	0.9999763851
RGP1	3.2361532718	0.5546934395	0.9999763851
NPR2	-1.4086684429	0.1064340838	0.9999763851
SPAG8	-14.1187086092	0.0980455964	0.9999763851
HINT2	1.1083919763	0.6224783917	0.9999763851
TMEM8B	1.2493247399	0.7057007986	0.9999763851
RECK	1.2841082437	0.3623663114	0.9999763851
GLIPR2	-1.1127550279	0.5342069247	0.9999763851
CLTA	1.0929897714	0.4987387607	0.9999763851
GNE	-1.0508762794	0.8590682033	0.9999763851
RNF38	1.1325554197	0.6552862676	0.9999763851
MELK	1.0582336841	0.8026796482	0.9999763851
PAX5	1.4704803692	0.3438352433	0.9999763851
ZCCHC7	-1.6270953275	0.0386594921	0.9999763851
GRHPR	1.1346084002	0.5347723412	0.9999763851
ZBTB5	1.1527925122	0.6317775019	0.9999763851
POLR1E	1.1031467499	0.700662701	0.9999763851
FBXO10	-1.4337189649	0.0661498201	0.9999763851
TOMM5	1.2489976691	0.0840916173	0.9999763851
FRMPD1	-1.2075354762	0.7804751596	0.9999763851
TRMT10B	1.0520558225	0.8564409238	0.9999763851
EXOSC3	1.0314823313	0.8879004606	0.9999763851
DCAF10	1.1330332019	0.4546308502	0.9999763851
SLC25A51	1.6703467261	0.4627637299	0.9999763851
SHB	1.1967819733	0.7262616107	0.9999763851
ALDH1B1	1.1627563179	0.5187027347	0.9999763851
CNTNAP3	-1.3158816768	0.8203229797	0.9999763851
ANKRD20A2	0	0	0
LOC101929959	3.2361532718	0.5546934395	0.9999763851
CBWD6	-11.3553837208	0.0264067104	0.9999763851
CNTNAP3B	1.5763434412	0.4248543391	0.9999763851
LOC107984126	7.4933530102	0.2985955846	0.9999763851
LOC100289279	0	0	0
LOC107987001	-1.8920890108	0.2402718518	0.9999763851

gene_expression_table

LOC107987020	1.7450428903	0.6325021146	0.9999763851
LOC100996643	1.2869488883	0.8204454189	0.9999763851
ANKRD20A4	0	0	0
LOC107987067	-4.2864494036	0.4027150576	0.9999763851
LOC105379443	0	0	0
CBWD5	1.2138491204	0.2400487238	0.9999763851
ZNF658	-1.3154339304	0.8205576571	0.9999763851
ANKRD20A1	1.0279042192	0.9761167157	0.9999763851
CBWD3	-1.9401132992	0.003241	0.9999763851
PIP5K1B	-1.1899619792	0.5994777923	0.9999763851
FAM122A	1.3122760622	0.5156070774	0.9999763851
FXN	1.1300369432	0.5176900858	0.9999763851
TJP2	-1.4153779564	0.0902885729	0.9999763851
PTAR1	-1.1401087448	0.6650630895	0.9999763851
C9orf135	0	0	0
MAMDC2	1.0088696185	0.9438432389	0.9999763851
SMC5	-1.0463368722	0.812350064	0.9999763851
KLF9	-1.6070866372	0.2530441111	0.9999763851
TRPM3	3.2361532718	0.5546934395	0.9999763851
TMEM2	-1.6853462283	0.0339196004	0.9999763851
ABHD17B	1.1368964633	0.6891996259	0.9999763851
C9orf85	-1.3681500532	0.427184063	0.9999763851
GDA	-1.6472991724	0.452777616	0.9999763851
ZFAND5	1.0784688248	0.5985702405	0.9999763851
TMC1	-2.6922490556	0.2893265166	0.9999763851
ALDH1A1	5.4776292235	0.3745831165	0.9999763851
ANXA1	1.0779464342	0.7785584415	0.9999763851
RORB	-1.4385420949	0.4289731639	0.9999763851
C9orf40	1.4134133827	0.0492885953	0.9999763851
CARNMT1	1.4932725115	0.0940573791	0.9999763851
NMRK1	-1.3521723279	0.4955567366	0.9999763851
OSTF1	-1.0296781401	0.9102486598	0.9999763851
PCSK5	2.7026796819	0.199886923	0.9999763851
RFK	-1.362654174	0.0423335258	0.9999763851
GCNT1	-1.0988339395	0.7054074501	0.9999763851
PRUNE2	-2.5042299531	0.0698735021	0.9999763851
VPS13A	-1.1420159437	0.5941254024	0.9999763851
GNAQ	-1.0863454815	0.6173534542	0.9999763851
CEP78	1.3945438682	0.1724688251	0.9999763851
PSAT1	-1.0128039403	0.9301406448	0.9999763851
TLE4	-1.1630806134	0.4963753339	0.9999763851
FRMD3	-1.1818290031	0.3042318996	0.9999763851
IDNK	1.5304942689	0.379398497	0.9999763851
UBQLN1	-1.067817395	0.6322523689	0.9999763851
GKAP1	-1.2032710508	0.7133251699	0.9999763851
KIF27	-1.4338155876	0.4815054425	0.9999763851
C9orf64	1.6862854291	0.3095196926	0.9999763851
HNRNPK	-1.4293757942	0.003499	0.9999763851
RMI1	1.0680407692	0.8195597189	0.9999763851

gene_expression_table

SLC28A3	-4.2849908816	0.4028453076	0.9999763851
NTRK2	3.2356557963	0.5547505991	0.9999763851
AGTPBP1	-1.1742719589	0.4001740998	0.9999763851
NAA35	-1.0621056295	0.7044102318	0.9999763851
GOLM1	1.4207068373	0.0516695317	0.9999763851
C9orf153	0	0	0
ISCA1	1.4032643055	0.127331769	0.9999763851
ZCCHC6	-1.0297707304	0.8964874425	0.9999763851
GAS1	1.8145193361	0.5774836285	0.9999763851
DAPK1	-1.0460465895	0.757358437	0.9999763851
CTSL	-4.287394647	0.4026306792	0.9999763851
CDK20	-1.3954727771	0.7076496332	0.9999763851
SPIN1	-1.2196894768	0.2477990573	0.9999763851
NXNL2	0	0	0
S1PR3	1.4793732198	0.3346515661	0.9999763851
SHC3	1.3575315598	0.6157286415	0.9999763851
CKS2	-1.0406973934	0.8282783276	0.9999763851
SECISBP2	-1.0687514163	0.7957017286	0.9999763851
SEMA4D	1.1427203064	0.4388256282	0.9999763851
SYK	1.1313540501	0.3965117539	0.9999763851
AUH	-1.190381716	0.5349905664	0.9999763851
NFIL3	-1.2043991989	0.4937630668	0.9999763851
ROR2	1.2869631997	0.8235334545	0.9999763851
SPTLC1	-1.4657871867	0.0149521168	0.9999763851
IARS	1.103030641	0.5906097314	0.9999763851
NOL8	1.436064063	0.0916866956	0.9999763851
CENPP	-1.3204363091	0.1744050445	0.9999763851
OGN	5.4781708352	0.3745527127	0.9999763851
OMD	3.2361532718	0.5546934395	0.9999763851
ASPN	5.4781708352	0.3745527127	0.9999763851
ECM2	-2.3893004408	0.2387173544	0.9999763851
IPPK	1.4991995774	0.3648071119	0.9999763851
BICD2	-1.2916019732	0.4281712414	0.9999763851
ZNF484	-1.9665380586	0.4655882819	0.9999763851
FGD3	-1.2295235471	0.5969595849	0.9999763851
CARD19	1.2158417811	0.3275374437	0.9999763851
NINJ1	-1.2170866783	0.578778076	0.9999763851
WNK2	0	0	0
FAM120AOS	1.3578926719	0.2379449237	0.9999763851
FAM120A	1.0710973731	0.6078472425	0.9999763851
PHF2	1.2282530599	0.4613503359	0.9999763851
BARX1	2.3819299027	0.2314664695	0.9999763851
PTPDC1	1.1543701575	0.7890880015	0.9999763851
ZNF169	-1.1616341521	0.7783152214	0.9999763851
NUTM2F	-2.4668543404	0.4373911847	0.9999763851
LOC728026	-1.1718061449	0.7025896338	0.9999763851
MFSD14B	1.1121773183	0.5872157249	0.9999763851
FBP1	0	0	0
C9orf3	-1.1546673765	0.5890268125	0.9999763851

gene_expression_table

FANCC	-1.6549455077	0.1909639688	0.9999763851
PTCH1	-1.357946363	0.4686064683	0.9999763851
ERCC6L2	1.2950503608	0.3950369837	0.9999763851
HSD17B3	0	0	0
SLC35D2	0	0	0
ZNF367	-1.0281705436	0.8990507777	0.9999763851
HABP4	-1.3619727376	0.322693256	0.9999763851
CDC14B	-1.7346410473	0.4884043883	0.9999763851
AAED1	-1.8929385914	0.2099174747	0.9999763851
ZNF510	-1.7663530955	0.3353361767	0.9999763851
ZNF782	1.3667310916	0.5973777972	0.9999763851
NUTM2G	-2.3222130951	0.4504474497	0.9999763851
CTSV	1.2869488883	0.8206129236	0.9999763851
TDRD7	-2.148568609	0.0408512148	0.9999763851
TMOD1	-1.1240435479	0.8529602621	0.9999763851
TSTD2	1.7446573669	0.0781923322	0.9999763851
NCBP1	1.4897704265	0.5576337855	0.9999763851
XPA	1.1162406597	0.5360741526	0.9999763851
TRMO	1.3142360065	0.3210206791	0.9999763851
ANP32B	1.0117423553	0.9217857533	0.9999763851
NANS	1.1140620628	0.5009822794	0.9999763851
TRIM14	1.014874258	0.9392974891	0.9999763851
CORO2A	-1.0232790478	0.9082262173	0.9999763851
TBC1D2	1.0164134504	0.935990877	0.9999763851
GABBR2	1.0631544433	0.894611596	0.9999763851
ANKS6	1.2107734211	0.4076721036	0.9999763851
COL15A1	16.6876660904	0.1287829899	0.9999763851
TGFBR1	-1.1401824273	0.3219450074	0.9999763851
ALG2	-1.0416911523	0.8561765936	0.9999763851
SEC61B	1.2267343354	0.1534653	0.9999763851
NR4A3	0	0	0
STX17	1.8463964425	0.026081221	0.9999763851
ERP44	1.1087897422	0.6618038501	0.9999763851
INVS	-1.3136773018	0.2531361402	0.9999763851
TEX10	1.2288383165	0.3550916404	0.9999763851
MSANTD3	1.0746461843	0.7648923409	0.9999763851
MSANTD3-TMEFF1	-1.4718977929	0.5502694686	0.9999763851
MURC	0	0	0
PLPPR1	0	0	0
MRPL50	-1.0543064498	0.8359422044	0.9999763851
ZNF189	3.1348667383	0.076064056	0.9999763851
ALDOB	0	0	0
RNF20	-1.2852122563	0.2580008927	0.9999763851
GRIN3A	-1.8165815049	0.4742437528	0.9999763851
SMC2	1.0683906703	0.6369647491	0.9999763851
NIPSNAP3A	-1.0317174994	0.8563318859	0.9999763851
NIPSNAP3B	-1.0054744133	0.9910384289	0.9999763851
ABCA1	-7.5622178268	0.2177145568	0.9999763851
SLC44A1	-1.085702025	0.6285100873	0.9999763851

gene_expression_table

FSD1L	1.2153836787	0.6151676368	0.9999763851
FKTN	1.3302725252	0.4390117041	0.9999763851
TAL2	0	0	0
TMEM38B	-1.2736952199	0.1639780788	0.9999763851
ZNF462	0	0	0
RAD23B	1.0481662113	0.743501764	0.9999763851
KLF4	1.600981085	0.4582199418	0.9999763851
IKBKAP	1.4303035818	0.0676989456	0.9999763851
FAM206A	-1.011503618	0.9497869076	0.9999763851
CTNNAL1	-1.044395343	0.8759427304	0.9999763851
TMEM245	-1.1104836154	0.6441189726	0.9999763851
EPB41L4B	0	0	0
PTPN3	1.0078917917	0.9793671819	0.9999763851
AKAP2	-1.1527631095	0.3194495306	0.9999763851
C9orf152	0	0	0
TXN	1.0090728589	0.9612274003	0.9999763851
TXNDC8	-1.0351581998	0.9578046258	0.9999763851
SVEP1	1.6609402791	0.2713423199	0.9999763851
MUSK	0	0	0
LPAR1	-1.8172614764	0.4924033287	0.9999763851
KIAA0368	-1.3042631738	0.1040416369	0.9999763851
PTGR1	0	0	0
DNAJC25	2.2397267087	0.1155137259	0.9999763851
DNAJC25-GNG10	-4.4737841935	0.0703526802	0.9999763851
GNG10	1.0608389507	0.722136205	0.9999763851
C9orf84	-1.427780369	0.5512477001	0.9999763851
UGCG	-1.1321426257	0.7134735977	0.9999763851
SUSD1	1.9876202062	0.3043609346	0.9999763851
PTBP3	-1.0924213881	0.6406366305	0.9999763851
HSDL2	1.0524349057	0.8118941317	0.9999763851
KIAA1958	1.0058249855	0.9780622566	0.9999763851
INIP	1.0768822303	0.8271359522	0.9999763851
SNX30	1.5651177242	0.3531167973	0.9999763851
SLC46A2	0	0	0
ZNF883	0	0	0
SLC31A2	-1.7559775848	0.1403278028	0.9999763851
FKBP15	1.013790067	0.9690571009	0.9999763851
SLC31A1	1.1464104408	0.4677542534	0.9999763851
CDC26	1.0982423741	0.6993308942	0.9999763851
PRPF4	1.3186822302	0.2162940327	0.9999763851
RNF183	3.2356557963	0.5547505991	0.9999763851
WDR31	-1.9492754797	0.3439396048	0.9999763851
BSPRY	1.1329024962	0.756123277	0.9999763851
HDHD3	1.1333354589	0.8698393542	0.9999763851
ALAD	-1.284404498	0.5357906094	0.9999763851
POLE3	-1.0561884249	0.6611029933	0.9999763851
C9orf43	-4.2864494036	0.4027150576	0.9999763851
RGS3	1.6249017024	0.5570296953	0.9999763851
ZNF618	-1.0594156207	0.8654115327	0.9999763851

gene_expression_table

COL27A1	2.8197880227	0.1994971414	0.9999763851
ORM1	-1.3154339304	0.8205576571	0.9999763851
ORM2	3.2361532718	0.5546934395	0.9999763851
AKNA	1.224487139	0.3359902349	0.9999763851
WHRN	-1.6481169983	0.4665104648	0.9999763851
ATP6V1G1	-1.1423900637	0.3052842433	0.9999763851
C9orf91	-1.6250767384	0.1158699236	0.9999763851
TNFSF15	-14.1218219134	0.1012622274	0.9999763851
DEC1	0	0	0
PAPPA	1.2868359435	0.821136059	0.9999763851
ASTN2	1.6401870795	0.1024958053	0.9999763851
TRIM32	-1.818898251	0.2492423032	0.9999763851
TLR4	1.75912153	0.0341797958	0.9999763851
BRINP1	0	0	0
CDK5RAP2	-1.4112567957	0.081580631	0.9999763851
MEGF9	-1.1602953579	0.6474487167	0.9999763851
FBXW2	1.1486772943	0.4468640067	0.9999763851
PSMD5	-1.1887559249	0.3860863664	0.9999763851
PHF19	1.4530850141	0.0286678342	0.9999763851
TRAF1	-1.3719041759	0.7491476502	0.9999763851
C5	2.309949263	0.1695128747	0.9999763851
CNTRL	-1.058947545	0.7968771668	0.9999763851
RAB14	-1.6153811884	0.001304	0.9116837145
GSN	-1.8319891166	0.0955440429	0.9999763851
STOM	1.4673073682	0.0246239673	0.9999763851
DAB2IP	-1.9668180936	0.4711036877	0.9999763851
TTLL11	1.7726991575	0.0563574559	0.9999763851
NDUFA8	-1.0104669066	0.9448903897	0.9999763851
MORN5	-4.2849908816	0.4028453076	0.9999763851
RBM18	1.3235099296	0.2969998803	0.9999763851
MRRF	1.6409889624	0.0983889626	0.9999763851
PTGS1	-1.4368458787	0.041749375	0.9999763851
OR1J2	0	0	0
PDCL	-1.0352849975	0.8662318594	0.9999763851
RC3H2	-1.1951838885	0.6286076329	0.9999763851
ZBTB6	1.7018174596	0.259281846	0.9999763851
ZBTB26	-1.9659101454	0.4330083403	0.9999763851
RABGAP1	1.0734628279	0.7638854644	0.9999763851
STRBP	-1.2457557502	0.2543073657	0.9999763851
CRB2	0	0	0
DENND1A	1.0019349318	0.9925034682	0.9999763851
LHX2	-2.4601618341	0.0682953778	0.9999763851
NEK6	-1.2586818316	0.1200994363	0.9999763851
PSMB7	1.0854624161	0.5135004734	0.9999763851
NR5A1	0	0	0
NR6A1	1.0180746967	0.9419269609	0.9999763851
OLFML2A	1.1066314536	0.862106592	0.9999763851
WDR38	3.2353357581	0.554787377	0.9999763851
RPL35	1.2920617182	0.0417266139	0.9999763851

gene_expression_table

ARPC5L	-1.0511098053	0.7333350909	0.9999763851
GOLGA1	1.6446863712	0.3175854061	0.9999763851
SCAI	-1.1755828149	0.6067591909	0.9999763851
PPP6C	-1.0293860456	0.8702081381	0.9999763851
RABEPK	1.0599298826	0.7616606244	0.9999763851
HSPA5	-1.1930980902	0.172358332	0.9999763851
GAPVD1	1.1529852506	0.5841194324	0.9999763851
MAPKAP1	1.4446388626	0.0569625996	0.9999763851
PBX3	-1.3109147982	0.086707122	0.9999763851
MVB12B	-1.0124255437	0.9354910183	0.9999763851
ZBTB43	-1.0228293514	0.927577496	0.9999763851
ZBTB34	-1.0718982213	0.8649662694	0.9999763851
RALGPS1	-1.1138651893	0.8187207939	0.9999763851
GARNL3	-1.8725992231	0.3205258278	0.9999763851
ZNF79	2.799028425	0.126607932	0.9999763851
RPL12	1.0534319819	0.6930457963	0.9999763851
LRSAM1	-1.2403239507	0.5756742367	0.9999763851
FAM129B	1.236026333	0.2724398645	0.9999763851
STXBP1	1.1627248867	0.5274164534	0.9999763851
PTRH1	1.0275809886	0.9576395509	0.9999763851
TTC16	0	0	0
TOR2A	1.044169403	0.8803191232	0.9999763851
SH2D3C	1.3775907027	0.4834760416	0.9999763851
CDK9	1.127554366	0.7641117508	0.9999763851
FPGS	-1.0150951592	0.9320822655	0.9999763851
ENG	1.0031215334	0.9884980291	0.9999763851
AK1	1.3262752232	0.7420374029	0.9999763851
ST6GALNAC6	1.4843598846	0.2442921497	0.9999763851
ST6GALNAC4	-1.4018717905	0.2821044931	0.9999763851
PIP5KL1	-1.1245500639	0.8352721746	0.9999763851
DPM2	1.67547459	0.0913757914	0.9999763851
FAM102A	1.1111395401	0.7250182304	0.9999763851
NAIF1	1.4028425303	0.2595311101	0.9999763851
SLC25A25	1.3978085319	0.2397968853	0.9999763851
PTGES2	-1.0906524881	0.7648119467	0.9999763851
C9orf16	-1.2547198293	0.4846212878	0.9999763851
CIZ1	-1.0096991286	0.9619064114	0.9999763851
DNM1	1.6601904867	0.3624463587	0.9999763851
GOLGA2	-1.4981538449	0.0513578247	0.9999763851
SWI5	-1.1951432965	0.5387780167	0.9999763851
TRUB2	1.1760665768	0.5338993292	0.9999763851
COQ4	1.1589198719	0.5460528317	0.9999763851
SLC27A4	1.1348932798	0.7056260352	0.9999763851
URM1	-1.2397061803	0.1691425109	0.9999763851
CERCAM	1.0855646724	0.7807757616	0.9999763851
ODF2	1.1424552908	0.5704958561	0.9999763851
GLE1	-1.5193340799	0.00374	0.9999763851
SPTAN1	-1.3166771546	0.2829826359	0.9999763851
WDR34	1.3051552326	0.0994079688	0.9999763851

gene_expression_table

SET	1.1230899437	0.3075123262	0.9999763851
PKN3	1.7669460201	0.1885514336	0.9999763851
ZDHHC12	1.4758880504	0.267943328	0.9999763851
ZER1	-1.71960772	0.1148946035	0.9999763851
TBC1D13	1.8247620725	0.0389215737	0.9999763851
ENDOG	1.1025993542	0.5697620297	0.9999763851
C9orf114	1.6621407841	0.1633260743	0.9999763851
KYAT1	-1.9803152966	0.0498709869	0.9999763851
LRRC8A	1.1089656077	0.6728515864	0.9999763851
PHYHD1	0	0	0
DOLK	1.8301434462	0.1860975807	0.9999763851
NUP188	-1.039693804	0.8085143696	0.9999763851
SH3GLB2	-1.0099838896	0.9781795044	0.9999763851
FAM73B	-1.4060752702	0.2335662843	0.9999763851
DOLPP1	1.4209833715	0.452821417	0.9999763851
CRAT	-1.1387519898	0.6993705861	0.9999763851
PPP2R4	1.3989763488	0.1164584117	0.9999763851
IER5L	1.0475909463	0.8401625156	0.9999763851
NTMT1	7.5217611033	0.0411721632	0.9999763851
ASB6	1.0120460414	0.9442584918	0.9999763851
PRRX2	0	0	0
PTGES	-3.0819688013	0.1350901342	0.9999763851
TOR1B	1.518254932	0.0972609679	0.9999763851
TOR1A	1.0263693285	0.8898699628	0.9999763851
C9orf78	-1.0614348868	0.6402072989	0.9999763851
USP20	-1.1081496276	0.5764788525	0.9999763851
FNBP1	1.0210297633	0.8679828672	0.9999763851
GPR107	-1.4025319731	0.0782784902	0.9999763851
NCS1	-1.0337384718	0.9007806609	0.9999763851
HMCN2	0	0	0
ASS1	-1.6107004734	0.0542474448	0.9999763851
FUBP3	-1.4195844395	0.0789679395	0.9999763851
PRDM12	0	0	0
EXOSC2	1.3291888385	0.2333034164	0.9999763851
ABL1	-1.0077983939	0.9678482478	0.9999763851
QRFP	-4.2849908816	0.4028453076	0.9999763851
FIBCD1	1.4043593911	0.3255833197	0.9999763851
AIF1L	0	0	0
NUP214	1.1156137814	0.5879924611	0.9999763851
FAM78A	1.1782453432	0.4984769062	0.9999763851
PRRC2B	-1.3382310599	0.1421058016	0.9999763851
POMT1	13.0486682238	0.181312288	0.9999763851
UCK1	1.1825037047	0.6281291508	0.9999763851
LOC642515	0	0	0
RAPGEF1	1.1473032841	0.54928026	0.9999763851
MED27	1.0463616764	0.7730314365	0.9999763851
NTNG2	-1.3001131679	0.3424686551	0.9999763851
SETX	1.2787987097	0.3227772159	0.9999763851
TTF1	1.2772068104	0.1985636284	0.9999763851

gene_expression_table

CFAP77	-4.2864494036	0.4027150576	0.9999763851
DDX31	1.0859188704	0.7535187093	0.9999763851
GTF3C4	-1.1043339428	0.5721874532	0.9999763851
AK8	-3.3294360969	0.2395755018	0.9999763851
SPACA9	2.7885870269	0.0921679679	0.9999763851
TSC1	1.1470839235	0.632873079	0.9999763851
GTF3C5	-1.0260264395	0.8743203179	0.9999763851
CEL	-4.3342515471	0.1405566338	0.9999763851
RALGDS	-1.2842198819	0.1381662173	0.9999763851
GBGT1	1.9906522869	0.2910050433	0.9999763851
SURF6	1.1486704957	0.3956251896	0.9999763851
MED22	-1.0395883013	0.880718955	0.9999763851
RPL7A	-1.06939035	0.5627175207	0.9999763851
SURF1	-1.1735182106	0.5484984984	0.9999763851
SURF2	1.2672731558	0.5708994064	0.9999763851
SURF4	1.0453219074	0.7688279804	0.9999763851
STKLD1	1.1336585844	0.8772375055	0.9999763851
REXO4	1.4370362158	0.0542609243	0.9999763851
ADAMTS13	1.8136032532	0.5941211288	0.9999763851
CACFD1	3.4758470146	0.0468823228	0.9999763851
SLC2A6	7.7211724672	0.2779709379	0.9999763851
ADAMTSL2	0	0	0
SARDH	0	0	0
VAV2	-1.3107985259	0.1528647798	0.9999763851
BRD3	1.0074820752	0.9626297635	0.9999763851
WDR5	-1.0076796777	0.9592606505	0.9999763851
RXRA	1.3758142483	0.0328517095	0.9999763851
COL5A1	0	0	0
FCN1	1.0064028117	0.9866277677	0.9999763851
PPP1R26	1.6870764756	0.332925959	0.9999763851
C9orf116	-1.0853454036	0.8981327655	0.9999763851
MRPS2	1.0291485821	0.8439241733	0.9999763851
GLT6D1	0	0	0
KCNT1	0	0	0
CAMSAP1	-1.1555210169	0.6472058107	0.9999763851
UBAC1	1.005018407	0.9719600287	0.9999763851
NACC2	1.5039737695	0.0761470461	0.9999763851
C9orf69	1.0955650147	0.6156175497	0.9999763851
LOC107987142	1.287203384	0.8313351269	0.9999763851
LHX3	3.2353357581	0.554787377	0.9999763851
QSOX2	1.3451472929	0.3482153789	0.9999763851
CCDC187	0	0	0
GPSM1	0	0	0
DNLZ	-1.2523681884	0.4381207828	0.9999763851
CARD9	-1.8497396327	0.1951733951	0.9999763851
SNAPC4	-1.0017726746	0.9960124783	0.9999763851
SDCCAG3	-1.2440123885	0.2282967124	0.9999763851
PMPCA	1.0754244855	0.6940360869	0.9999763851
INPP5E	2.3255510872	0.0835396976	0.9999763851

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SEC16A	-1.0597433903	0.7677601567	0.9999763851
NOTCH1	1.2893689256	0.1882271126	0.9999763851
EGFL7	-1.7420007258	0.2244504392	0.9999763851
AGPAT2	1.1852434809	0.3513087217	0.9999763851
FAM69B	-1.2593896088	0.320775637	0.9999763851
LCN10	-4.2849908816	0.4028453076	0.9999763851
LCN6	0	0	0
TMEM141	-1.0402064156	0.8530510203	0.9999763851
CCDC183	1.2671911569	0.6528299093	0.9999763851
RABL6	1.2440132253	0.1873741489	0.9999763851
PHPT1	-1.0474055508	0.8062161965	0.9999763851
MAMDC4	3.3952287445	0.2424412637	0.9999763851
EDF1	1.1087027575	0.4566736237	0.9999763851
TRAF2	1.0153505021	0.9648317337	0.9999763851
FBXW5	1.0155705136	0.9325273408	0.9999763851
C8G	-2.4440355816	0.4436151611	0.9999763851
C9orf142	-1.0759936984	0.8209212899	0.9999763851
CLIC3	0	0	0
ABCA2	20.2949411759	0.1207307807	0.9999763851
C9orf139	1.2865109866	0.8334383935	0.9999763851
FUT7	1.0479999936	0.8870749341	0.9999763851
NPDC1	-1.0144903535	0.9555278816	0.9999763851
ENTPD2	0	0	0
SAPCD2	1.2757054906	0.1412237608	0.9999763851
UAP1L1	1.3997613402	0.118011653	0.9999763851
MAN1B1	1.1165054798	0.6475210862	0.9999763851
DPP7	-1.2678493068	0.1869493223	0.9999763851
LRRC26	0	0	0
ANAPC2	0	0	0
SSNA1	1.1546260337	0.3875936719	0.9999763851
TPRN	1.462610597	0.2135108633	0.9999763851
TMEM203	1.1370696386	0.5282271295	0.9999763851
NDOR1	1.0391995142	0.928692599	0.9999763851
RNF208	1.2865109866	0.8335873235	0.9999763851
CYSRT1	1.8139617088	0.5779223724	0.9999763851
SLC34A3	0	0	0
TUBB4B	1.003098129	0.9831891842	0.9999763851
FAM166A	-1.9663843334	0.4764302308	0.9999763851
NELFB	1.0030753002	0.9852280831	0.9999763851
TOR4A	1.2403195898	0.2842222953	0.9999763851
NRARP	-1.2870893299	0.3998958579	0.9999763851
EXD3	1.242910695	0.5512190762	0.9999763851
NOXA1	4.9748777347	0.1018700777	0.9999763851
NSMF	1.8997470176	0.0465844676	0.9999763851
PNPLA7	1.2868359435	0.8210968834	0.9999763851
MRPL41	1.1355272914	0.4394940949	0.9999763851
DPH7	-1.1310936908	0.573783197	0.9999763851
ZMYND19	-1.2817765109	0.3274005272	0.9999763851
ARRDC1	1.2604856478	0.3505011265	0.9999763851

gene_expression_table

EHMT1	-1.2238136449	0.3049522544	0.9999763851
FAM157B	1.5276737168	0.2570181449	0.9999763851
ZMYND11	-1.1467792511	0.4538335489	0.9999763851
DIP2C	-2.6587266395	0.1997709661	0.9999763851
LARP4B	-1.1317061308	0.3867909827	0.9999763851
GTPBP4	-1.038136083	0.7918829786	0.9999763851
IDI2	2.4770826173	0.0421920504	0.9999763851
IDI1	-1.1330304916	0.5075727367	0.9999763851
WDR37	-1.3960041553	0.2025955797	0.9999763851
ADARB2	1.8846717628	0.1103997922	0.9999763851
LOC101927824	7.7192231741	0.2782707334	0.9999763851
PFKP	-1.0509401828	0.7860960012	0.9999763851
PITRM1	1.51766418	0.0362139051	0.9999763851
KLF6	-1.5574004387	0.007303	0.9999763851
AKR1C1	7.4933530102	0.2985445178	0.9999763851
AKR1C2	7.7488609396	0.30604422	0.9999763851
AKR1C3	5.4770877341	0.3746135179	0.9999763851
NET1	-1.185198129	0.4235625601	0.9999763851
ASB13	-1.0975922777	0.7453325089	0.9999763851
FAM208B	-1.335126453	0.2428587568	0.9999763851
GDI2	-1.191919218	0.1585779604	0.9999763851
ANKRD16	1.6491085401	0.2178624659	0.9999763851
FBXO18	-1.4457112944	0.2258347345	0.9999763851
IL15RA	-1.2719915409	0.5189030354	0.9999763851
IL2RA	0	0	0
RBM17	-1.0116073204	0.9407391283	0.9999763851
PFKFB3	-1.0828318755	0.635565173	0.9999763851
PRKCQ	-1.3319546752	0.3272350104	0.9999763851
SFMBT2	-1.3929953701	0.1035154592	0.9999763851
KIN	-1.1539615691	0.7449715033	0.9999763851
ATP5C1	-1.2505841073	0.1826801474	0.9999763851
TAF3	1.2865833997	0.2698252271	0.9999763851
GATA3	0	0	0
CELF2	1.1107563488	0.4276428832	0.9999763851
USP6NL	-1.4271299095	0.5799896856	0.9999763851
LOC107984208	0	0	0
ECHDC3	0	0	0
PROSER2	-1.3020932657	0.4581893591	0.9999763851
UPF2	-1.0841753676	0.6902596447	0.9999763851
DHTKD1	-1.0947309863	0.6737401064	0.9999763851
SEC61A2	-1.1078402714	0.7368966347	0.9999763851
NUDT5	1.4483644655	0.0628063733	0.9999763851
CDC123	1.334279998	0.0526424446	0.9999763851
CAMK1D	-1.0898785616	0.7022830768	0.9999763851
CCDC3	0	0	0
OPTN	-1.1879022687	0.4334745196	0.9999763851
MCM10	1.1989046599	0.3912352954	0.9999763851
PHYH	-1.2592876644	0.4164111012	0.9999763851
SEPHS1	1.1534900846	0.3718938703	0.9999763851

gene_expression_table

BEND7	0	0	0
PRPF18	-1.3038500007	0.3582810102	0.9999763851
FRMD4A	-3.7489679912	0.1056863984	0.9999763851
FAM107B	1.1226709472	0.4339217475	0.9999763851
CDNF	3.2361532718	0.5546934395	0.9999763851
HSPA14	1.2758823837	0.1353027984	0.9999763851
SUV39H2	1.7689525345	0.4240876668	0.9999763851
DCLRE1C	1.0136592644	0.9412542664	0.9999763851
ACBD7	1.2870761236	0.8160709833	0.9999763851
RPP38	-1.0649133204	0.846531529	0.9999763851
NMT2	1.0535512441	0.8326925426	0.9999763851
FAM188A	1.2016035043	0.6436702891	0.9999763851
PTER	-1.2157970631	0.4292372864	0.9999763851
C1QL3	1.7969999196	0.2765017484	0.9999763851
RSU1	1.0898782563	0.5583775796	0.9999763851
TRDMT1	1.7579580407	0.4338806613	0.9999763851
VIM	-3.8760288064	1.92E-05	0.0412638911
HACD1	1.4891726905	0.2330267312	0.9999763851
STAM	-1.282054125	0.4037090904	0.9999763851
TMEM236	3.2361532718	0.5546934395	0.9999763851
MRC1	0	0	0
CACNB2	-1.333277728	0.4114947162	0.9999763851
NSUN6	1.1237523584	0.791579165	0.9999763851
ARL5B	-1.1171101007	0.6392106948	0.9999763851
PLXDC2	-1.9661045084	0.453457533	0.9999763851
SKIDA1	0	0	0
MLLT10	1.6525164228	0.1300049447	0.9999763851
DNAJC1	-1.2946572915	0.1107792618	0.9999763851
COMMD3	-1.007704891	0.9552525588	0.9999763851
COMMD3-BMI1	-1.0687042921	0.9325672115	0.9999763851
BMI1	1.0309157868	0.8033689869	0.9999763851
SPAG6	1.193263566	0.4963395463	0.9999763851
PIP4K2A	1.0571655908	0.7287877592	0.9999763851
ARMC3	0	0	0
MSRB2	1.6000355819	0.0356264605	0.9999763851
OTUD1	2.8672419672	0.3103828854	0.9999763851
KIAA1217	-3.2837744538	0.0545169772	0.9999763851
ARHGAP21	1.1483926048	0.5886486088	0.9999763851
THNSL1	-1.4073673926	0.67478989	0.9999763851
ENKUR	3.2353357581	0.554787377	0.9999763851
APBB1IP	1.2725130525	0.1324931821	0.9999763851
PDSS1	1.3643389243	0.3477032333	0.9999763851
ABI1	1.0542103453	0.7694977714	0.9999763851
ANKRD26	1.0337843191	0.9302757929	0.9999763851
YME1L1	1.2254692216	0.1543758403	0.9999763851
MASTL	-1.5540399947	0.218113573	0.9999763851
ACBD5	2.224467511	0.0228452651	0.9999763851
RAB18	-1.3075363155	0.1008226144	0.9999763851
MKX	0	0	0

gene_expression_table

ARMC4	-7.5622178268	0.2177145568	0.9999763851
MPP7	1.1411132031	0.5969112488	0.9999763851
WAC	-1.2121870701	0.1944490521	0.9999763851
BAMBI	-1.2190011384	0.4884821042	0.9999763851
SVIL	1.5359848111	0.1301318376	0.9999763851
KIAA1462	1.8778891881	0.1664208711	0.9999763851
MTPAP	-1.0886024732	0.6590545118	0.9999763851
MAP3K8	1.0504056933	0.8161953317	0.9999763851
ZNF438	1.0462705393	0.8101000529	0.9999763851
ZEB1	2.8182416066	0.2019120972	0.9999763851
ARHGAP12	-1.2535571721	0.3563367205	0.9999763851
KIF5B	1.1854652447	0.2279011118	0.9999763851
EPC1	-1.0137090768	0.9451838337	0.9999763851
CCDC7	-1.7847353177	0.0671684177	0.9999763851
ITGB1	1.1378174453	0.4582031549	0.9999763851
NRP1	-4.04068853	0.1312233848	0.9999763851
LOC105376488	-4.1323543353	0.2115526896	0.9999763851
PARD3	2.3398344857	0.4133387514	0.9999763851
CUL2	-1.4488995931	0.2113688004	0.9999763851
CREM	1.0235181839	0.929365868	0.9999763851
CCNY	-1.0090830796	0.9485705656	0.9999763851
ANKRD30A	3.2353357581	0.554787377	0.9999763851
ZNF248	-1.107052137	0.7205077955	0.9999763851
ZNF25	-2.2197236441	0.0108170859	0.9999763851
ZNF33A	-1.3621433495	0.0975384407	0.9999763851
ZNF37A	1.486460666	0.0287063449	0.9999763851
ZNF33B	1.2547049557	0.5570972114	0.9999763851
BMS1	-1.1047261569	0.5265509378	0.9999763851
RET	-4.2849908816	0.4028453076	0.9999763851
CSGALNACT2	-1.2636109227	0.2088557988	0.9999763851
RASGEF1A	0	0	0
HNRNPF	-1.0204285988	0.8710719746	0.9999763851
ZNF32	-1.181723761	0.7474101105	0.9999763851
TMEM72	-1.1491729646	0.8481357365	0.9999763851
RASSF4	1.4035550145	0.0728845761	0.9999763851
C10orf25	-4.3342515471	0.1403801422	0.9999763851
ZNF22	1.0526325354	0.7812774213	0.9999763851
ALOX5	3.2356557963	0.5547505991	0.9999763851
MARCH8	-1.3404654384	0.1452398255	0.9999763851
ZFAND4	-1.053758897	0.9198673225	0.9999763851
FAM21C	-1.3285885305	0.2204816431	0.9999763851
FAM25E	3.2353357581	0.554787377	0.9999763851
AGAP4	-1.0052361772	0.9919615135	0.9999763851
TIMM23	1.2998059111	0.1040693291	0.9999763851
NCOA4	1.2686654285	0.0812398639	0.9999763851
ANTXR1	3.2361532718	0.5546934395	0.9999763851
LOC107984026	7.7878683154	0.0271494815	0.9999763851
SYT15	-1.1490595167	0.8521920567	0.9999763851
ANXA8	-1.0987792284	0.7584237601	0.9999763851

gene_expression_table

AGAP9	1.6243668162	0.5953234889	0.9999763851
FRMPD2	0	0	0
MAPK8	-1.0159569792	0.9514185105	0.9999763851
WDFY4	1.2647554825	0.2852483678	0.9999763851
LRRC18	0	0	0
VSTM4	0	0	0
C10orf128	1.689326647	0.0156308726	0.9999763851
ERCC6	-1.5977494888	0.1395141053	0.9999763851
PGBD3	1.9665069869	0.380756122	0.9999763851
CHAT	0	0	0
C10orf53	3.2353357581	0.554787377	0.9999763851
OGDHL	1.2869488883	0.8207674385	0.9999763851
PARG	1.2001585789	0.6352968538	0.9999763851
TIMM23B	-1.21717731	0.4666456168	0.9999763851
AGAP6	-1.3504062993	0.3579932544	0.9999763851
FAM21A	1.5840102541	0.0434169723	0.9999763851
SGMS1	-1.504530746	0.250601656	0.9999763851
PRKG1	-1.1491729646	0.8482307178	0.9999763851
CSTF2T	1.5072276666	0.0652160916	0.9999763851
ZWINT	1.0778039014	0.611368984	0.9999763851
IPMK	-1.9244394993	0.0125198203	0.9999763851
CISD1	1.2114560708	0.3535086302	0.9999763851
UBE2D1	1.1389064505	0.6711499294	0.9999763851
TFAM	-1.0771487817	0.6554544661	0.9999763851
BICC1	-1.0263302305	0.9539385027	0.9999763851
PHYHIPL	3.2356557963	0.5547505991	0.9999763851
SLC16A9	1.0177424686	0.9586743554	0.9999763851
CCDC6	-1.4483030344	0.0196719726	0.9999763851
CDK1	1.0104413471	0.9420320722	0.9999763851
ARID5B	-3.3284109188	0.2427071832	0.9999763851
RTKN2	0	0	0
ZNF365	0	0	0
ADO	-1.0659611257	0.7579370665	0.9999763851
EGR2	-3.1559763085	0.1811594967	0.9999763851
NRBF2	-1.133777439	0.6141919325	0.9999763851
JMJD1C	-1.2599703224	0.4132101017	0.9999763851
REEP3	0	0	0
DNAJC12	-3.7464240212	0.1398552477	0.9999763851
SIRT1	-1.1258785493	0.630055791	0.9999763851
HERC4	-1.2209854762	0.3604791486	0.9999763851
MYPN	3.2353357581	0.554787377	0.9999763851
PBLD	5.4790129495	0.3757193507	0.9999763851
HNRNPH3	1.0447619908	0.7887177146	0.9999763851
RUFY2	-1.5530955003	0.3276351892	0.9999763851
DNA2	-1.9923980812	0.037019664	0.9999763851
SLC25A16	1.3161558074	0.5299451961	0.9999763851
TET1	-1.7928551696	0.063252743	0.9999763851
CCAR1	-1.024622964	0.8737690131	0.9999763851
STOX1	3.2356557963	0.5547505991	0.9999763851

gene_expression_table

DDX50	1.0592118339	0.7414076852	0.9999763851
DDX21	1.0939992895	0.4993144937	0.9999763851
KIF1BP	-1.0486347201	0.9170936101	0.9999763851
SRGN	1.1523264374	0.2513396275	0.9999763851
VPS26A	1.358921533	0.096552737	0.9999763851
SUPV3L1	-1.6328194669	0.1075970386	0.9999763851
HKDC1	-7.5647903763	0.2176246281	0.9999763851
HK1	1.005304992	0.9701636763	0.9999763851
TACR2	-1.3154339304	0.8205576571	0.9999763851
TSPAN15	-1.0803829108	0.9216984918	0.9999763851
H2AFY2	0	0	0
AIFM2	1.9216708403	0.4666539967	0.9999763851
TYSND1	-1.0998248599	0.7466721725	0.9999763851
SAR1A	-1.0848474349	0.6150097605	0.9999763851
PPA1	1.3763695697	0.009301	0.9999763851
LRRC20	1.3952985806	0.2593190867	0.9999763851
EIF4EBP2	1.0746257704	0.6374883429	0.9999763851
NODAL	0	0	0
PALD1	-2.4840175982	0.1707209957	0.9999763851
PRF1	0	0	0
ADAMTS14	-1.3710462586	0.7619212495	0.9999763851
SGPL1	-1.508703732	0.2318572489	0.9999763851
PCBD1	1.4287486362	0.0570351191	0.9999763851
SLC29A3	1.1848656123	0.5788389069	0.9999763851
CDH23	1.3259726427	0.7105573285	0.9999763851
C10orf105	2.3407592913	0.42663657	0.9999763851
C10orf54	1.1365701103	0.5863658994	0.9999763851
PSAP	-1.4748597948	0.00178	0.9999763851
SPOCK2	0	0	0
ASCC1	-1.245203271	0.4300244976	0.9999763851
ANAPC16	1.1986417738	0.2601839774	0.9999763851
DDIT4	-1.289757765	0.146270355	0.9999763851
DNAJB12	1.7865457543	0.0545411025	0.9999763851
MICU1	-1.0911841987	0.6327325137	0.9999763851
MCU	-1.4376367353	0.1077307178	0.9999763851
OIT3	1.2169952033	0.8019634658	0.9999763851
P4HA1	-1.1594101938	0.427739862	0.9999763851
NUDT13	1.6110435152	0.2048689835	0.9999763851
ECD	-1.3999454175	0.292157649	0.9999763851
FAM149B1	-1.3822046165	0.3565793379	0.9999763851
DNAJC9	1.2852163259	0.0751107473	0.9999763851
MRPS16	1.4185518436	0.0178177661	0.9999763851
CFAP70	1.2493677488	0.6915260791	0.9999763851
ANXA7	1.0226223617	0.8886032217	0.9999763851
MSS51	-1.9647456674	0.4670688857	0.9999763851
PPP3CB	1.5216261928	0.0274740326	0.9999763851
USP54	-1.1126860973	0.7088829528	0.9999763851
AGAP5	-1.2528461868	0.8154925613	0.9999763851
SEC24C	-1.0922285977	0.6558070164	0.9999763851

gene_expression_table

FUT11	1.0594535678	0.8501549536	0.9999763851
CHCHD1	1.1007104448	0.5792875639	0.9999763851
ZSWIM8	1.2784112794	0.5009386897	0.9999763851
NDST2	1.1646865819	0.5678188543	0.9999763851
CAMK2G	1.0887092959	0.6588724435	0.9999763851
PLAU	-1.0900485969	0.7008877174	0.9999763851
C10orf55	0	0	0
VCL	-1.2830650381	0.2542161428	0.9999763851
AP3M1	1.5065079695	0.0598650881	0.9999763851
ADK	-1.1084855186	0.5032096961	0.9999763851
KAT6B	1.2912962828	0.5928581364	0.9999763851
DUPD1	1.0803193328	0.8198617506	0.9999763851
DUSP13	0	0	0
SAMD8	-1.0301645798	0.9624348605	0.9999763851
VDAC2	1.1143064241	0.4540496737	0.9999763851
COMTD1	1.5279303089	0.0614057097	0.9999763851
ZNF503	1.0798750465	0.6902751972	0.9999763851
C10orf11	-1.2343803304	0.3107329971	0.9999763851
KCNMA1	3.2361532718	0.5546934395	0.9999763851
DLG5	1.028073281	0.8918154264	0.9999763851
POLR3A	1.2261821008	0.4333704546	0.9999763851
RPS24	1.0077024216	0.952436144	0.9999763851
ZMIZ1	-1.1741355171	0.4127135422	0.9999763851
PPIF	1.1422698771	0.3047606579	0.9999763851
ZCCHC24	-1.4198124442	0.1517123757	0.9999763851
EIF5AL1	1.3761556368	0.1566694688	0.9999763851
NUTM2B	0	0	0
TMEM254	-1.0353098561	0.9275926056	0.9999763851
PLAC9	-2.7159660136	0.1427636224	0.9999763851
ANXA11	1.2224360938	0.2123435703	0.9999763851
FAM213A	-1.9482682667	0.3554043225	0.9999763851
TSPAN14	1.046014878	0.7710395168	0.9999763851
SH2D4B	1.2862273491	0.8293392712	0.9999763851
GHITM	1.2405429994	0.0927058676	0.9999763851
C10orf99	0	0	0
CCSER2	1.0490795055	0.8908703838	0.9999763851
GRID1	-4.2864494036	0.4027150576	0.9999763851
WAPL	1.1934222148	0.2651006538	0.9999763851
LDB3	7.7488609396	0.3060229829	0.9999763851
BMPR1A	1.8462191135	0.2318500436	0.9999763851
GLUD1	-1.056571541	0.7781739575	0.9999763851
FAM35A	-1.0874718771	0.5902706491	0.9999763851
NUTM2A	3.2356557963	0.5547505991	0.9999763851
MINPP1	1.0136112833	0.9711043879	0.9999763851
PAPSS2	0	0	0
ATAD1	1.1625351611	0.5030624858	0.9999763851
KLLN	3.2353357581	0.554787377	0.9999763851
PTEN	-1.064913514	0.6212703293	0.9999763851
RNLS	-1.3305441684	0.531944401	0.9999763851

gene_expression_table

LIPJ	0	0	0
LIPM	3.2361532718	0.5546934395	0.9999763851
ANKRD22	3.922469612	0.1728578129	0.9999763851
STAMBPL1	-1.7016367315	0.146041691	0.9999763851
ACTA2	-1.4166688595	0.6478521083	0.9999763851
FAS	1.078437726	0.8560118111	0.9999763851
LIPA	-1.0437490334	0.8370651979	0.9999763851
IFIT2	-4.9389863757	0.0459126109	0.9999763851
IFIT3	-4.7124369261	0.0001219	0.1822932891
IFIT1	-4.452374454	0.0149907392	0.9999763851
IFIT5	1.8928577306	0.4866844079	0.9999763851
PANK1	-1.4473774847	0.2217989422	0.9999763851
KIF20B	1.1200770599	0.5400115407	0.9999763851
HTR7	3.2353357581	0.554787377	0.9999763851
RPP30	-1.244019471	0.5010159461	0.9999763851
ANKRD1	0	0	0
PCGF5	-1.419280569	0.1487350531	0.9999763851
TNKS2	1.1371914808	0.5937903876	0.9999763851
FGFBP3	-1.4386212672	0.3966570688	0.9999763851
BTAF1	-1.5341924225	0.1099965165	0.9999763851
CPEB3	1.2643855079	0.5000954591	0.9999763851
MARCH5	-1.5865819262	0.0171344252	0.9999763851
IDE	-1.2752003243	0.3848552952	0.9999763851
KIF11	1.3497019207	0.1713366676	0.9999763851
HHEX	1.1944099268	0.4900875819	0.9999763851
EXOC6	1.7729620821	0.0305741279	0.9999763851
CYP26A1	-4.2849908816	0.4028453076	0.9999763851
MYOF	-1.3957650729	0.7120029752	0.9999763851
CEP55	1.3716572599	0.1873187194	0.9999763851
FRA10AC1	1.0500790048	0.8551031113	0.9999763851
PLCE1	1.9257563044	0.2026850018	0.9999763851
NOC3L	1.1070848958	0.653830896	0.9999763851
TBC1D12	1.2867653957	0.8300995955	0.9999763851
HELLS	1.1175121923	0.5587524477	0.9999763851
CYP2C18	-4.2849908816	0.4028453076	0.9999763851
CYP2C19	0	0	0
CYP2C9	3.2353357581	0.554787377	0.9999763851
CYP2C8	0	0	0
ALDH18A1	-1.354670874	0.0657091427	0.9999763851
TCTN3	1.1547106538	0.4485831446	0.9999763851
ENTPD1	1.1957618756	0.4440006431	0.9999763851
C10orf131	0	0	0
CC2D2B	1.966636009	0.3499667665	0.9999763851
CCNJ	1.1333904196	0.6536258018	0.9999763851
ZNF518A	1.0086801481	0.9666510518	0.9999763851
BLNK	-1.2491748198	0.5871102564	0.9999763851
DNTT	-2.3214980365	0.4365300349	0.9999763851
TLL2	-1.394935021	0.7122094033	0.9999763851
TM9SF3	-1.173085336	0.1987102481	0.9999763851

gene_expression_table

PIK3AP1	-1.1393698337	0.5166310479	0.9999763851
LCOR	-1.0395907431	0.8539804282	0.9999763851
C10orf12	-1.0163160609	0.9782973355	0.9999763851
SLIT1	1.0299460308	0.9688152998	0.9999763851
ARHGAP19	-1.3825162976	0.0535015858	0.9999763851
FRAT1	1.2592440571	0.3901549251	0.9999763851
FRAT2	1.5836787245	0.004868	0.9999763851
RRP12	1.1988454122	0.3551580394	0.9999763851
LOC644215	2.3406309168	0.4065662218	0.9999763851
PGAM1	1.2847351348	0.0877709456	0.9999763851
EXOSC1	1.152391092	0.5362749721	0.9999763851
ZDHHC16	1.4379219091	0.2356373814	0.9999763851
MMS19	1.0674529083	0.6771594704	0.9999763851
UBTD1	-1.0384170457	0.839000135	0.9999763851
ANKRD2	0	0	0
HOGA1	0	0	0
PI4K2A	1.0523050855	0.8328712017	0.9999763851
AVPI1	1.0306913768	0.9663663879	0.9999763851
MARVELD1	0	0	0
ZFYVE27	1.2431771806	0.2973992945	0.9999763851
SFRP5	0	0	0
GOLGA7B	-1.1865044235	0.5515338829	0.9999763851
R3HCC1L	-1.4340983205	0.1989575907	0.9999763851
LOXL4	-4.2849908816	0.4028453076	0.9999763851
PYROXD2	1.1987778498	0.3065170022	0.9999763851
HPS1	1.0784631874	0.6127871606	0.9999763851
HPSE2	-1.3713173847	0.7437037807	0.9999763851
GOT1	1.0989769021	0.6311506662	0.9999763851
SLC25A28	1.1085477988	0.7619249141	0.9999763851
ENTPD7	-3.7493386361	0.1114123703	0.9999763851
COX15	1.1765319427	0.3336806202	0.9999763851
CUTC	1.0393879572	0.8510021628	0.9999763851
ABCC2	-1.0298310449	0.92879698	0.9999763851
DNMBP	-1.5623913641	0.2016233652	0.9999763851
CPN1	0	0	0
ERLIN1	-1.1681908088	0.2593090935	0.9999763851
CHUK	-1.0667777682	0.7451813205	0.9999763851
CWF19L1	1.2480955274	0.3709117718	0.9999763851
BLOC1S2	-1.0568180935	0.7701392613	0.9999763851
SCD	-1.1723026395	0.2568613703	0.9999763851
WNT8B	-1.1491729646	0.8484018332	0.9999763851
SEC31B	1.1224441006	0.6935659246	0.9999763851
NDUFB8	1.1621214334	0.2355714474	0.9999763851
HIF1AN	-1.0552464916	0.8017134908	0.9999763851
PAX2	0	0	0
SLF2	1.1505430053	0.5419633901	0.9999763851
MRPL43	1.13191723	0.4075944082	0.9999763851
C10orf2	-1.1480002274	0.4779069042	0.9999763851
LZTS2	-1.1334715548	0.7102451389	0.9999763851

gene_expression_table

PDZD7	-1.4249413061	0.6087749825	0.9999763851
SFXN3	-1.2627502236	0.2829993355	0.9999763851
KAZALD1	1.5970252596	0.0243955597	0.9999763851
BTRC	1.0694951511	0.8231249914	0.9999763851
POLL	1.2917088661	0.4009072931	0.9999763851
DPCD	-1.104724475	0.7954280428	0.9999763851
FBXW4	-1.2236048847	0.3894734867	0.9999763851
NPM3	-1.3895268265	0.009395	0.9999763851
MGEA5	1.0687200677	0.6261721583	0.9999763851
KCNIP2	1.0894780223	0.9290979185	0.9999763851
C10orf76	1.0671472725	0.7944278412	0.9999763851
HPS6	-1.255871624	0.3129234296	0.9999763851
LDB1	1.001481805	0.9956830128	0.9999763851
PPRC1	1.8869872272	0.015668474	0.9999763851
NOLC1	1.3350947101	0.025876258	0.9999763851
ELOVL3	1.5208572074	0.1457369553	0.9999763851
PITX3	0	0	0
GBF1	1.1306696009	0.518959133	0.9999763851
NFKB2	2.4754293524	0.2005573491	0.9999763851
PSD	-1.3154339304	0.8205576571	0.9999763851
FBXL15	1.4691642448	0.2407783418	0.9999763851
CUEDC2	1.3040091908	0.2121442201	0.9999763851
C10orf95	0	0	0
MFSD13A	-1.1313021227	0.7099064585	0.9999763851
ACTR1A	1.1895251048	0.518586387	0.9999763851
SUFU	-1.1649728581	0.5337437037	0.9999763851
TRIM8	1.3286628829	0.2845881786	0.9999763851
ARL3	1.2431180238	0.2592383122	0.9999763851
SFXN2	1.3614039826	0.3289098684	0.9999763851
WBP1L	-1.1123632911	0.5316387304	0.9999763851
CYP17A1	-4.2849908816	0.4028453076	0.9999763851
BORCS7	-1.2806983362	0.2742832874	0.9999763851
AS3MT	0	0	0
CNNM2	-1.253349311	0.4446273867	0.9999763851
NT5C2	-1.1401409178	0.4060446003	0.9999763851
RPEL1	-19.2174470604	0.0691494629	0.9999763851
PCGF6	1.3237528899	0.3664647692	0.9999763851
TAF5	-1.0006454179	0.9979289417	0.9999763851
USMG5	1.2370923304	0.1556486924	0.9999763851
PDCD11	1.1976709788	0.2970417419	0.9999763851
CALHM2	1.6912538201	0.0567271979	0.9999763851
CALHM1	0	0	0
NEURL1	1.509580932	0.5403772662	0.9999763851
SH3PXD2A	-1.1200215877	0.5249262738	0.9999763851
OBFC1	1.7469303317	0.1046832561	0.9999763851
SLK	1.0270816425	0.8492695324	0.9999763851
COL17A1	-1.966276531	0.4562735265	0.9999763851
SFR1	-1.4410781675	0.3220354368	0.9999763851
CFAP43	9.9639367786	0.2203391531	0.9999763851

gene_expression_table

GSTO1	-1.1693669463	0.2583460039	0.9999763851
GSTO2	-1.3704303691	0.42335635	0.9999763851
ITPRIP	-1.0383711009	0.8425706535	0.9999763851
SORCS3	-3.5156187543	0.1696872133	0.9999763851
SORCS1	1.287203384	0.8316108013	0.9999763851
XPNPEP1	1.0374644315	0.81373403	0.9999763851
ADD3	1.1601255181	0.4265415229	0.9999763851
LOC105378479	5.4770877341	0.3746135179	0.9999763851
MXI1	-1.3145386162	0.1901122825	0.9999763851
SMNDC1	1.0137814032	0.9314654447	0.9999763851
DUSP5	-1.5736822895	0.228659524	0.9999763851
SMC3	1.1101083649	0.4461678897	0.9999763851
RBM20	0	0	0
PDCD4	-1.2032165598	0.2011368689	0.9999763851
BBIP1	1.909761605	0.0465382379	0.9999763851
SHOC2	-1.1939461008	0.3051331512	0.9999763851
GPAM	-1.0550268381	0.8628568019	0.9999763851
ACSL5	-2.7131089336	0.1511136884	0.9999763851
ZDHHC6	1.2925506417	0.1935362265	0.9999763851
VTI1A	-1.0459042202	0.8636298478	0.9999763851
TCF7L2	1.8003661677	0.0401618153	0.9999763851
NRAP	0	0	0
CASP7	-1.0084930073	0.9786837489	0.9999763851
DCLRE1A	2.1487114209	0.2253505247	0.9999763851
NHLRC2	-1.3134935995	0.4466365282	0.9999763851
ADRB1	1.1570040918	0.8865554867	0.9999763851
CCDC186	-1.0165392043	0.9692226474	0.9999763851
TDRD1	7.7488609396	0.3060017416	0.9999763851
AFAP1L2	3.2356557963	0.5547505991	0.9999763851
ABLIM1	-1.0833074967	0.7458504106	0.9999763851
FAM160B1	1.3575565792	0.2471779291	0.9999763851
TRUB1	-1.1552182069	0.4835673199	0.9999763851
HSPA12A	0	0	0
ENO4	0	0	0
SHTN1	0	0	0
SLC18A2	2.0598070501	0.0310544561	0.9999763851
PDZD8	-1.2935336416	0.1433020953	0.9999763851
EMX2	-4.2849908816	0.4028453076	0.9999763851
RAB11FIP2	-1.2315422062	0.5740405512	0.9999763851
FAM204A	1.0793839346	0.7421577046	0.9999763851
CACUL1	-1.0468966333	0.8115821677	0.9999763851
EIF3A	-1.0733947284	0.6561447284	0.9999763851
FAM45A	1.2982530607	0.2534492093	0.9999763851
SFXN4	1.2545927603	0.1662559672	0.9999763851
PRDX3	1.3579765755	0.0943848805	0.9999763851
GRK5	1.2449460941	0.5883260389	0.9999763851
RGS10	1.1545167366	0.398882808	0.9999763851
TIAL1	-1.2930018493	0.1179030625	0.9999763851
BAG3	-1.2339926131	0.5033839092	0.9999763851

gene_expression_table

INPP5F	-1.4578013109	0.259403341	0.9999763851
MCMBP	1.2160915711	0.311028016	0.9999763851
SEC23IP	1.1910306666	0.4409067385	0.9999763851
PLPP4	0	0	0
WDR11	1.3239127919	0.3440404769	0.9999763851
ATE1	1.1574661856	0.5386966345	0.9999763851
NSMCE4A	1.479035653	0.1176146611	0.9999763851
TACC2	3.2353357581	0.554787377	0.9999763851
BTBD16	0	0	0
PLEKHA1	-1.0368629227	0.9388126276	0.9999763851
HTRA1	-3.8382377092	0.005404	0.9999763851
C10orf120	0	0	0
FAM24B	-1.2915514768	0.5587208434	0.9999763851
C10orf88	2.2745276088	0.0824298643	0.9999763851
PSTK	-1.3948129396	0.6824769794	0.9999763851
IKZF5	-1.1804274504	0.5476954981	0.9999763851
ACADSB	-1.0381811629	0.8916542795	0.9999763851
BUB3	1.1945919005	0.190719034	0.9999763851
CHST15	0	0	0
OAT	1.2863960258	0.1887505941	0.9999763851
LHPP	1.1572257991	0.660649247	0.9999763851
LOC107984159	0	0	0
FAM53B	-1.2727850804	0.2472960051	0.9999763851
METTL10	-1.2182464339	0.3121793757	0.9999763851
FAM175B	1.0239585932	0.9326154759	0.9999763851
ZRANB1	1.0306998984	0.9118162733	0.9999763851
CTBP2	1.1688695279	0.420889897	0.9999763851
TEX36	0	0	0
EDRF1	-1.3291942657	0.445696718	0.9999763851
UROS	1.2691519355	0.2897264179	0.9999763851
BCCIP	1.1177244679	0.5261388951	0.9999763851
DHX32	-4.2864494036	0.4027150576	0.9999763851
FANK1	-4.2849908816	0.4028453076	0.9999763851
ADAM12	-7.5622178268	0.2177145568	0.9999763851
PTPRE	-1.0753601417	0.733139309	0.9999763851
MKI67	1.3150506741	0.0492587852	0.9999763851
MGMT	0	0	0
EBF3	1.1993473325	0.5393512812	0.9999763851
GLRX3	1.2315647751	0.2304673085	0.9999763851
PPP2R2D	-1.1300206787	0.5681161829	0.9999763851
BNIP3	1.285973213	0.2971185531	0.9999763851
STK32C	1.0591614067	0.7513998596	0.9999763851
LRRC27	1.4551263046	0.4624594753	0.9999763851
PWWP2B	1.0959404905	0.6828947506	0.9999763851
C10orf91	0	0	0
LOC107984282	5.4770877341	0.3746135179	0.9999763851
INPP5A	-1.4457183815	0.2844367719	0.9999763851
NKX6-2	-1.4503491785	0.0677222243	0.9999763851
VENTX	1.4561621084	0.4733776806	0.9999763851

gene_expression_table

ADAM8	1.0733608887	0.8573672073	0.9999763851
TUBGCP2	1.0597857097	0.7340972913	0.9999763851
ZNF511	-1.0235615146	0.9032418088	0.9999763851
PRAP1	0	0	0
FUOM	1.0509768657	0.8906527617	0.9999763851
ECHS1	-1.0401881261	0.7888610762	0.9999763851
MTG1	-1.1837340823	0.6066189755	0.9999763851
SPRN	2.5202262643	0.2772382374	0.9999763851
CYP2E1	9.9624059448	0.2314727708	0.9999763851
SCGB1C1	3.2353357581	0.554787377	0.9999763851
BET1L	1.2641209224	0.2186164612	0.9999763851
RIC8A	1.5811781315	0.008492	0.9999763851
SIRT3	1.0595963625	0.8474528594	0.9999763851
PSMD13	-1.1017898316	0.4780456203	0.9999763851
NLRP6	-2.3209115874	0.4617202599	0.9999763851
ATHL1	-1.1346497424	0.7413817045	0.9999763851
IFITM2	1.0888384964	0.5042228972	0.9999763851
IFITM1	1.3670163388	0.1280306777	0.9999763851
IFITM3	-1.3154339304	0.8205576571	0.9999763851
SIGIRR	1.3878502127	0.1838736393	0.9999763851
ANO9	0	0	0
PTDSS2	-1.0954654781	0.666017894	0.9999763851
RNH1	1.1651701115	0.3100347603	0.9999763851
LRRC56	5.4776292235	0.3745831165	0.9999763851
HRAS	1.523820577	0.1948253469	0.9999763851
LMNTD2	-1.4079687435	0.6448100812	0.9999763851
RASSF7	-1.1562405362	0.6261986804	0.9999763851
PHRF1	1.1315867871	0.4903034469	0.9999763851
IRF7	-1.1598159168	0.7754581207	0.9999763851
CDHR5	0	0	0
DRD4	0	0	0
DEAF1	-1.1271597983	0.4593684757	0.9999763851
TMEM80	2.0537095626	0.006206	0.9999763851
EPS8L2	3.2353357581	0.554787377	0.9999763851
TALDO1	1.2117818625	0.1235572561	0.9999763851
PDDC1	-1.0355604617	0.8662461958	0.9999763851
SLC25A22	-1.2682881137	0.5703197371	0.9999763851
PANO1	-1.0810230665	0.9183118938	0.9999763851
PIDD1	-1.6011851216	0.3896990657	0.9999763851
RPLP2	1.0079880607	0.948595219	0.9999763851
PNPLA2	1.3337636591	0.2142017887	0.9999763851
CRACR2B	1.8002526059	0.1132156194	0.9999763851
CD151	1.218879019	0.3600766079	0.9999763851
POLR2L	1.3006552709	0.07276114	0.9999763851
TSPAN4	1.7537362318	0.1570043559	0.9999763851
CHID1	-1.0080532677	0.9560065999	0.9999763851
AP2A2	-1.2432139538	0.3182778851	0.9999763851
MUC6	0	0	0
LOC101927503	0	0	0

gene_expression_table

MUC5B	0	0	0
TOLLIP	-1.2320387137	0.1987810928	0.9999763851
BRSK2	0	0	0
MOB2	1.1200052521	0.7152710928	0.9999763851
DUSP8	3.2361532718	0.5546934395	0.9999763851
IFITM10	1.0294704161	0.9669274527	0.9999763851
CTSD	-1.1666172837	0.2610024919	0.9999763851
TNNI2	-4.2864494036	0.4027150576	0.9999763851
LSP1	1.2294887479	0.2479387883	0.9999763851
TNNT3	0	0	0
MRPL23	1.325623298	0.1834944224	0.9999763851
HOTS	-7.5622178268	0.2177145568	0.9999763851
ASCL2	2.2137747159	0.0216549649	0.9999763851
C11orf21	1.2870761236	0.8160709833	0.9999763851
TSPAN32	-1.1002038147	0.7584032646	0.9999763851
TSSC4	1.2046996235	0.484118437	0.9999763851
TRPM5	0	0	0
KCNQ1	-1.0412222277	0.8367513609	0.9999763851
CDKN1C	1.050070356	0.9028401825	0.9999763851
SLC22A18AS	-1.2562050205	0.7085481797	0.9999763851
SLC22A18	-1.3861836028	0.3325300008	0.9999763851
PHLDA2	1.0681016286	0.7613114134	0.9999763851
NAP1L4	1.1295773766	0.3820027785	0.9999763851
CARS	1.1568626616	0.4015394939	0.9999763851
OSBPL5	-1.4548833948	0.0868266071	0.9999763851
ZNF195	-1.1270820338	0.6497152799	0.9999763851
LOC105376525	-1.3158816768	0.8203229797	0.9999763851
ART1	-1.3157515262	0.8223973021	0.9999763851
CHRNA10	1.0281638254	0.9765707018	0.9999763851
NUP98	-1.0386768445	0.8494487214	0.9999763851
PGAP2	1.0874064405	0.7723709221	0.9999763851
RHOG	1.2231846012	0.1578576604	0.9999763851
STIM1	-1.2073858184	0.2732160055	0.9999763851
RRM1	-1.0236619168	0.8493632702	0.9999763851
TRIM21	-1.3876816948	0.360685681	0.9999763851
TRIM68	-2.3212684229	0.447354629	0.9999763851
TRIM5	1.1209121282	0.7603390199	0.9999763851
TRIM34	1.3407820359	0.7146293923	0.9999763851
TRIM22	-3.0368738636	0.1019843322	0.9999763851
C11orf42	-10.8385246611	0.1453473185	0.9999763851
FAM160A2	1.5170758868	0.0986661746	0.9999763851
CNGA4	-2.6604789227	0.1932206488	0.9999763851
SMPD1	1.0175127479	0.9363584697	0.9999763851
APBB1	-4.2864494036	0.4027150576	0.9999763851
HPX	0	0	0
TRIM3	1.6938437942	0.6482542272	0.9999763851
ARFIP2	1.1284664006	0.7747265309	0.9999763851
TIMM10B	-1.0395982519	0.8570873922	0.9999763851
DNHD1	1.2936707046	0.5572557448	0.9999763851

gene_expression_table

RRP8	1.1956970232	0.4908605823	0.9999763851
ILK	1.4064341007	0.0592223874	0.9999763851
TAF10	-1.2249366693	0.5354806869	0.9999763851
TPP1	-1.023417204	0.8791117141	0.9999763851
DCHS1	-1.3158393667	0.8280718157	0.9999763851
MRPL17	1.1287492713	0.4468674425	0.9999763851
NLRP14	-4.2849908816	0.4028453076	0.9999763851
SYT9	0	0	0
OLFML1	1.2866381786	0.8225176192	0.9999763851
PPFIBP2	-1.3334061201	0.3468883623	0.9999763851
CYB5R2	0	0	0
EIF3F	1.0359637597	0.8141368002	0.9999763851
TUB	0	0	0
RIC3	3.2353357581	0.554787377	0.9999763851
LMO1	1.0198511656	0.9456704056	0.9999763851
STK33	0	0	0
TRIM66	-1.5293856892	0.1499616007	0.9999763851
RPL27A	-1.0560971285	0.684715362	0.9999763851
ST5	5.4784711963	0.3745358536	0.9999763851
AKIP1	1.02817935	0.9075040951	0.9999763851
C11orf16	-4.2864494036	0.4027150576	0.9999763851
TMEM9B	-1.2843448044	0.2487869682	0.9999763851
NRIP3	-2.0988867482	0.0120910656	0.9999763851
SCUBE2	-2.3209115874	0.4613944243	0.9999763851
DENND5A	-1.6998322356	0.0275945356	0.9999763851
TMEM41B	-1.2097148337	0.3817491183	0.9999763851
IPO7	1.0585444115	0.7080832625	0.9999763851
ZNF143	-1.4874685974	0.1565095185	0.9999763851
WEE1	1.1564633722	0.5194280829	0.9999763851
SWAP70	-1.4446435678	0.110727556	0.9999763851
SBF2	-1.6412232356	0.0831806815	0.9999763851
ADM	-24.1442657935	1.19E-05	0.027763203
AMPD3	-1.1094127078	0.647280633	0.9999763851
MTRNR2L8	-1.4210747916	0.0268134487	0.9999763851
RNF141	-1.1136249807	0.5842196965	0.9999763851
MRVI1	-1.3263815267	0.4218136692	0.9999763851
CTR9	1.1295338724	0.4836051763	0.9999763851
EIF4G2	1.1004750933	0.5145828946	0.9999763851
ZBED5	-1.0075228815	0.9812611408	0.9999763851
CSNK2A3	1.1552768729	0.7987874843	0.9999763851
USP47	-1.1825623229	0.362358175	0.9999763851
MICAL2	-1.5874464891	0.147499296	0.9999763851
MICALCL	-5.6080522719	0.1117474342	0.9999763851
TEAD1	0	0	0
ARNTL	-1.3906985905	0.3840620169	0.9999763851
BTBD10	-1.2123166596	0.54104405	0.9999763851
PTH	-1.0281765664	0.8886340452	0.9999763851
FAR1	1.170973175	0.5371579558	0.9999763851
SPON1	0	0	0

gene_expression_table

COPB1	1.0387497685	0.8209013173	0.9999763851
PSMA1	-1.0283233684	0.8700105943	0.9999763851
PDE3B	-1.6544378424	0.2576446952	0.9999763851
CYP2R1	1.0419785874	0.8833410107	0.9999763851
LOC107984314	3.2361532718	0.5546934395	0.9999763851
INSC	0	0	0
SOX6	-4.2849908816	0.4028453076	0.9999763851
C11orf58	-1.1096952991	0.4953584327	0.9999763851
PLEKHA7	-1.1559070418	0.2374189885	0.9999763851
RPS13	1.1176245987	0.3727566394	0.9999763851
PIK3C2A	-1.158687391	0.5810024371	0.9999763851
NUCB2	-1.0088886763	0.9470185718	0.9999763851
NCR3LG1	-2.774230463	0.0784695365	0.9999763851
KCNJ11	1.5490136109	0.3237788062	0.9999763851
KCNC1	-1.3160416743	0.8272147023	0.9999763851
SERGEF	-1.390733637	0.2005380556	0.9999763851
SAAL1	1.3108294194	0.1804650067	0.9999763851
MRGPRX3	0	0	0
SAA4	0	0	0
HPS5	-1.0487490121	0.915093015	0.9999763851
GTF2H1	-1.1353098397	0.5200919978	0.9999763851
LDHA	1.5713581681	0.0001381	0.1956409862
LDHAL6A	1.7868451227	0.5989310412	0.9999763851
TSG101	1.8143602283	0.0568853602	0.9999763851
UEVLD	1.2424325408	0.4407166508	0.9999763851
SPTY2D1	1.2028307756	0.4742560896	0.9999763851
TMEM86A	0	0	0
IGSF22	3.2353357581	0.554787377	0.9999763851
ZDHHC13	-2.2647966062	0.1228626797	0.9999763851
E2F8	1.2261666389	0.4776066832	0.9999763851
NAV2	-1.263684942	0.2803075134	0.9999763851
HTATIP2	1.5387792626	0.0139263845	0.9999763851
PRMT3	-1.000165457	0.999582439	0.9999763851
NELL1	-1.4157843229	0.612753461	0.9999763851
FANCF	-1.9412091951	0.1494134001	0.9999763851
LUZP2	3.2353357581	0.554787377	0.9999763851
LGR4	-4.2849908816	0.4028453076	0.9999763851
LIN7C	1.2200237807	0.4585956717	0.9999763851
BDNF	0	0	0
KIF18A	-1.2210442353	0.5418002616	0.9999763851
METTL15	1.1983325423	0.3851182292	0.9999763851
ARL14EP	-1.1461350495	0.5320824206	0.9999763851
DCDC5	0	0	0
DCDC1	-4.2849908816	0.4028453076	0.9999763851
DNAJC24	-1.5190729878	0.4050723199	0.9999763851
IMMP1L	1.0251276472	0.9037885592	0.9999763851
ELP4	-1.2796723791	0.416406905	0.9999763851
PAX6	2.382974333	0.2355539459	0.9999763851
RCN1	1.488474938	0.1777323214	0.9999763851

gene_expression_table

WT1	1.0170204453	0.9465335782	0.9999763851
EIF3M	1.2040348813	0.2283869647	0.9999763851
CCDC73	1.4187907312	0.4508305076	0.9999763851
PRRG4	1.1779207	0.686760044	0.9999763851
QSER1	1.3643514649	0.1703496707	0.9999763851
TCP11L1	-1.0150102882	0.9725549011	0.9999763851
CSTF3	-1.3996472136	0.0767666209	0.9999763851
HIPK3	-1.0283086345	0.8875270884	0.9999763851
FBXO3	1.0576664542	0.8561291336	0.9999763851
LMO2	1.1819567914	0.4101371485	0.9999763851
CAPRIN1	1.0452498843	0.7899218348	0.9999763851
NAT10	1.0520468466	0.7430810511	0.9999763851
ABTB2	1.0304020284	0.9504726675	0.9999763851
CAT	1.1484747071	0.3628374604	0.9999763851
APIP	-1.2470971516	0.453648454	0.9999763851
PDHX	1.482476071	0.1893539301	0.9999763851
CD44	-1.1770998506	0.2418331237	0.9999763851
SLC1A2	0	0	0
FJX1	-2.5604817607	0.2731422845	0.9999763851
TRIM44	-1.0225749403	0.8893578303	0.9999763851
LDLRAD3	1.040469927	0.8630793116	0.9999763851
COMMD9	-1.27223215	0.3787309123	0.9999763851
PRR5L	1.8525489671	0.1467431427	0.9999763851
TRAF6	1.1859266318	0.7056408559	0.9999763851
C11orf74	1.6338700832	0.2739925035	0.9999763851
API5	1.1176637559	0.5592458002	0.9999763851
TTC17	-1.0343656598	0.8641413251	0.9999763851
HSD17B12	2.4405833224	0.0449227536	0.9999763851
ALKBH3	-1.0569601447	0.761313524	0.9999763851
ACCSL	-1.3151016298	0.8211947154	0.9999763851
C11orf96	-1.0447361553	0.9067119433	0.9999763851
EXT2	-1.3204355981	0.1823691007	0.9999763851
ALX4	-3.3275701064	0.2296160779	0.9999763851
CD82	-2.0078462284	0.0001175	0.1806818129
TSPAN18	1.316696459	0.2777835441	0.9999763851
TP53I11	1.0324850193	0.8408422484	0.9999763851
LOC101060179	-1.3715126673	0.7506909141	0.9999763851
CHST1	1.8139617088	0.5784350384	0.9999763851
SLC35C1	-1.0904200057	0.6873227931	0.9999763851
CRY2	-1.2702381915	0.4208823877	0.9999763851
MAPK8IP1	-3.3280817062	0.2431049726	0.9999763851
PEX16	1.9471619863	0.2454515101	0.9999763851
PHF21A	-1.5313052123	0.1246518302	0.9999763851
CREB3L1	3.2361532718	0.5546934395	0.9999763851
DGKZ	1.2486886879	0.1986642592	0.9999763851
MDK	1.0773444223	0.8936517727	0.9999763851
AMBRA1	-1.018873575	0.8726534988	0.9999763851
HARBI1	3.3654696961	0.1580529345	0.9999763851
ATG13	1.392797841	0.1804657778	0.9999763851

gene_expression_table

ARHGAP1	1.162729018	0.4140895538	0.9999763851
ZNF408	1.3349646538	0.3931084199	0.9999763851
F2	3.2353357581	0.554787377	0.9999763851
CKAP5	1.3288398066	0.1193279371	0.9999763851
LRP4	-7.5647903763	0.2176246281	0.9999763851
C11orf49	1.0989324126	0.8396180905	0.9999763851
ARFGAP2	1.2803920328	0.208225975	0.9999763851
PACSN3	-1.0497023957	0.8402180243	0.9999763851
DDB2	1.1591585179	0.5222403341	0.9999763851
ACP2	1.0885190141	0.8438358517	0.9999763851
NR1H3	-2.2152323827	0.2441191925	0.9999763851
MADD	-1.1812179649	0.5193928253	0.9999763851
MYBPC3	-1.816422855	0.4359989028	0.9999763851
SPI1	1.1622116163	0.5667893654	0.9999763851
SLC39A13	1.1637306491	0.6418948832	0.9999763851
PSMC3	1.0446675582	0.82361331	0.9999763851
RAPSN	0	0	0
CELF1	-1.0489536745	0.7996311246	0.9999763851
PTPMT1	1.119984549	0.5056619521	0.9999763851
KBTBD4	1.3745641786	0.7399429411	0.9999763851
NDUFS3	-1.4833912503	0.0104770122	0.9999763851
FAM180B	-3.3269505881	0.2594254525	0.9999763851
C1QTNF4	0	0	0
MTCH2	-1.3530215083	0.0180224222	0.9999763851
AGBL2	-2.3209115874	0.4610635141	0.9999763851
FNBP4	-1.336060578	0.1220682127	0.9999763851
NUP160	1.3271788544	0.2561392257	0.9999763851
PTPRJ	-1.5591949695	0.1271272522	0.9999763851
TNKS1BP1	2.0526865509	0.1738510117	0.9999763851
SSRP1	-1.0274583285	0.8439148387	0.9999763851
P2RX3	0	0	0
PRG2	-2.0609782294	0.3008190586	0.9999763851
SLC43A3	-1.004859436	0.9706806319	0.9999763851
RTN4RL2	-1.3124628314	0.6128228316	0.9999763851
SLC43A1	-1.0501628322	0.7664175936	0.9999763851
TIMM10	1.2403251906	0.2278733561	0.9999763851
UBE2L6	-1.1707722522	0.4530285376	0.9999763851
CLP1	-1.3082371081	0.4746835972	0.9999763851
ZDHHC5	-1.0716252208	0.6507863493	0.9999763851
MED19	1.0476662048	0.8517039531	0.9999763851
TMX2	-1.2002581092	0.2444365504	0.9999763851
C11orf31	1.1732042399	0.2213765479	0.9999763851
BTBD18	9.9629524019	0.2192284853	0.9999763851
CTNND1	-1.1802901363	0.7540192034	0.9999763851
OR9Q1	0	0	0
LPXN	1.0118617639	0.9387642623	0.9999763851
ZFP91	1.0478979516	0.7670009228	0.9999763851
GLYATL1	0	0	0
FAM111A	1.243090902	0.1632047737	0.9999763851

gene_expression_table

DTX4	-2.0660393506	0.0553880684	0.9999763851
MPEG1	0	0	0
OSBP	1.1302014727	0.666022616	0.9999763851
PATL1	-1.3238132256	0.1007266607	0.9999763851
STX3	1.099030712	0.5184429641	0.9999763851
MRPL16	1.10502152	0.5189140645	0.9999763851
GIF	-4.2864494036	0.4027150576	0.9999763851
TCN1	-1.3154339304	0.8205576571	0.9999763851
MS4A3	-1.2231442609	0.5024608206	0.9999763851
MS4A2	-4.287394647	0.4026306792	0.9999763851
MS4A6A	1.349505569	0.6824616559	0.9999763851
MS4A4E	0	0	0
MS4A4A	-4.2849908816	0.4028453076	0.9999763851
MS4A7	-1.0193796434	0.9441413143	0.9999763851
MS4A5	0	0	0
CCDC86	1.0144334144	0.9675855466	0.9999763851
PTGDR2	1.0797026578	0.8772102504	0.9999763851
ZP1	0	0	0
PRPF19	1.2999227171	0.087974938	0.9999763851
TMEM109	-1.1626081622	0.3378465537	0.9999763851
TMEM132A	-1.3154339304	0.8205576571	0.9999763851
SLC15A3	-1.3158816768	0.8203229797	0.9999763851
CD6	-5.3422739143	0.0885609822	0.9999763851
CD5	1.287203384	0.8318830578	0.9999763851
VPS37C	1.1042445014	0.6201542937	0.9999763851
VWCE	1.1331614061	0.8702271379	0.9999763851
DDB1	-1.3087696554	0.02950501	0.9999763851
TKFC	2.1868632022	0.0242118047	0.9999763851
CYB561A3	1.2228637109	0.2854554761	0.9999763851
TMEM138	1.06677647	0.8350843861	0.9999763851
TMEM216	-1.1195868461	0.7725248488	0.9999763851
CPSF7	-1.290889535	0.1979234541	0.9999763851
SDHAF2	1.2966040974	0.1979898362	0.9999763851
PPP1R32	-3.3272796812	0.2440049033	0.9999763851
DAGLA	1.8135020099	0.5902512871	0.9999763851
MYRF	1.1817745558	0.6268599799	0.9999763851
TMEM258	1.1209639972	0.4565439604	0.9999763851
FEN1	-1.1625104956	0.2635633954	0.9999763851
FADS1	1.118350171	0.4943443193	0.9999763851
FADS2	-1.050270132	0.7757088393	0.9999763851
FADS3	-2.6618053695	0.0503244689	0.9999763851
RAB3IL1	-1.1277510391	0.8131505558	0.9999763851
BEST1	5.4784711963	0.3745358536	0.9999763851
FTH1	-2.279345415	4.43E-07	0.001254
INCENP	-1.0131210356	0.9450268714	0.9999763851
SCGB2A1	0	0	0
ASRGL1	1.2645294143	0.2440199209	0.9999763851
AHNAK	-1.5090075488	0.00967	0.9999763851
EEF1G	1.1141529289	0.372690679	0.9999763851

gene_expression_table

TUT1	-1.1819730229	0.6274702415	0.9999763851
MTA2	1.2709066462	0.1972937268	0.9999763851
EML3	1.6969887163	0.1401414116	0.9999763851
ROM1	1.0953517363	0.8964715001	0.9999763851
B3GAT3	-1.2174601429	0.4496248384	0.9999763851
GANAB	-1.2572940375	0.1532480796	0.9999763851
INTS5	1.2400381557	0.508332947	0.9999763851
C11orf98	-1.0407593017	0.8570174429	0.9999763851
LBHD1	12.2062282412	0.1876867146	0.9999763851
METTL12	-1.2208277452	0.6759019168	0.9999763851
UQCC3	1.1313479325	0.4995760156	0.9999763851
UBXN1	1.0239201175	0.8871859951	0.9999763851
LRRN4CL	0	0	0
BSCL2	-1.0882385856	0.8122003297	0.9999763851
HNRNPUL2	1.1113384765	0.5575867619	0.9999763851
TTC9C	1.835448846	0.1134222441	0.9999763851
ZBTB3	-1.8177798391	0.4637711422	0.9999763851
POLR2G	-1.0872916886	0.606231998	0.9999763851
TAF6L	-1.406657056	0.6693786986	0.9999763851
TMEM179B	1.1108116713	0.5654030997	0.9999763851
TMEM223	1.6134707631	0.0775449336	0.9999763851
NXF1	1.2095247063	0.433484436	0.9999763851
STX5	1.6229824428	0.3231204292	0.9999763851
WDR74	-1.5232345967	0.0411637389	0.9999763851
SLC3A2	1.1685887597	0.3426477096	0.9999763851
HRASLS5	0	0	0
LGALS12	1.483694972	0.0202108271	0.9999763851
RARRES3	12.2012745411	0.188290858	0.9999763851
ATL3	1.0492488921	0.7789970683	0.9999763851
RTN3	-1.1139640448	0.4446882499	0.9999763851
C11orf95	-1.3026553232	0.3179510519	0.9999763851
C11orf84	1.1501624171	0.6310977453	0.9999763851
MARK2	1.6196175664	0.1049143762	0.9999763851
RCOR2	-7.5664585246	0.2260541296	0.9999763851
NAA40	2.0135785869	0.1691796767	0.9999763851
COX8A	1.1195958257	0.3829647666	0.9999763851
OTUB1	-1.0720661067	0.7191594043	0.9999763851
MACROD1	1.0819762035	0.7414101895	0.9999763851
FLRT1	2.5294022043	0.2955322964	0.9999763851
STIP1	1.2411612936	0.1501942945	0.9999763851
FERMT3	-1.1324365637	0.3646140369	0.9999763851
TRPT1	-1.5856150365	0.4018879357	0.9999763851
NUDT22	1.3214281743	0.4025691961	0.9999763851
DNAJC4	-1.346752514	0.5056951645	0.9999763851
VEGFB	-2.5602582481	0.2739893701	0.9999763851
FKBP2	1.1520967501	0.5149599608	0.9999763851
PPP1R14B	-1.031208036	0.8102260922	0.9999763851
PLCB3	1.1352532707	0.5624501511	0.9999763851
BAD	1.0561382742	0.88337991	0.9999763851

gene_expression_table

GPR137	1.030012456	0.966792439	0.9999763851
KCNK4	3.2353357581	0.554787377	0.9999763851
TEX40	3.2353357581	0.554787377	0.9999763851
ESRRA	1.1241949748	0.7983541789	0.9999763851
TRMT112	-1.3172769959	0.0228606395	0.9999763851
PRDX5	-1.0746649281	0.7870951223	0.9999763851
CCDC88B	-1.201883171	0.5527224229	0.9999763851
RPS6KA4	1.7619379809	0.0554205974	0.9999763851
RASGRP2	-1.0638637113	0.7350710645	0.9999763851
PYGM	1.6242600155	0.561953739	0.9999763851
SF1	1.1571592486	0.2834119323	0.9999763851
MAP4K2	-1.7212327308	0.0959479782	0.9999763851
MEN1	1.0045798836	0.982123976	0.9999763851
EHD1	-1.0071407265	0.9625461786	0.9999763851
ATG2A	1.1026640234	0.6659339055	0.9999763851
PPP2R5B	-1.2565073761	0.7040724342	0.9999763851
MAJIN	3.2356557963	0.5547505991	0.9999763851
BATF2	-1.9661492502	0.4737530821	0.9999763851
ARL2	-1.1296263162	0.5981508201	0.9999763851
SNX15	-1.3449153029	0.3350817122	0.9999763851
SAC3D1	1.0285804126	0.8703648878	0.9999763851
NAALADL1	0	0	0
CDCA5	1.717724697	0.002834	0.9999763851
ZFPL1	-2.2442957359	0.063759107	0.9999763851
TMEM262	0	0	0
VPS51	-1.675207249	0.0533977071	0.9999763851
TM7SF2	-1.7376064016	0.2806654257	0.9999763851
ZNHIT2	-1.4244255272	0.5877023505	0.9999763851
FAU	-1.2402466359	0.0909018905	0.9999763851
MRPL49	1.120445842	0.6790432479	0.9999763851
SYVN1	1.5158388998	0.0791004365	0.9999763851
CAPN1	1.176352579	0.3381612643	0.9999763851
SLC22A20	1.9220906279	0.4463275739	0.9999763851
POLA2	-1.0309871549	0.8768981943	0.9999763851
CDC42EP2	-2.5595294703	0.3316288706	0.9999763851
DPF2	1.4482677287	0.0455477238	0.9999763851
TIGD3	-1.6460380751	0.4436071582	0.9999763851
SLC25A45	1.5505881706	0.5536185115	0.9999763851
FRMD8	-1.2770177567	0.1547288856	0.9999763851
LOC101927789	-1.1464451114	0.8080570339	0.9999763851
SCYL1	-2.1914873857	0.006676	0.9999763851
LTBP3	2.6108942912	0.0423947525	0.9999763851
SSSCA1	1.1681740725	0.5956630871	0.9999763851
FAM89B	1.0122830567	0.9662129723	0.9999763851
EHBP1L1	1.0867556325	0.8528223935	0.9999763851
MAP3K11	-1.0384701228	0.8872745145	0.9999763851
PCNX3	1.5783118254	0.4063594651	0.9999763851
SIPA1	2.914697366	0.0755996307	0.9999763851
RELA	-1.0412708593	0.801957789	0.9999763851

gene_expression_table

KAT5	1.7574593324	0.4419655219	0.9999763851
RNASEH2C	1.216537129	0.2221093648	0.9999763851
AP5B1	1.1005314116	0.6056491187	0.9999763851
OVOL1	0	0	0
SNX32	0	0	0
CFL1	-1.0284267113	0.8112191676	0.9999763851
MUS81	1.1773342207	0.5498543999	0.9999763851
EFEMP2	-2.3295566515	0.3229213845	0.9999763851
CTSW	0	0	0
FIBP	1.1343712798	0.5651212583	0.9999763851
CCDC85B	1.0009834747	0.9982609096	0.9999763851
FOSL1	-1.1159645743	0.7692835156	0.9999763851
C11orf68	1.6555746083	0.2286995038	0.9999763851
DRAP1	1.0174493166	0.9478094132	0.9999763851
TSGA10IP	5.4770877341	0.3746135179	0.9999763851
SART1	-1.5541105705	0.3569856994	0.9999763851
EIF1AD	1.0858778812	0.7209433125	0.9999763851
BANF1	1.1104025442	0.5366630071	0.9999763851
CATSPER1	0	0	0
SF3B2	1.0653078201	0.6559165097	0.9999763851
PACS1	1.3261442362	0.7479785331	0.9999763851
KLC2	1.5428214719	0.539053522	0.9999763851
RAB1B	1.0615112096	0.7188503301	0.9999763851
CNIH2	1.0204530064	0.983670156	0.9999763851
YIF1A	1.0384514402	0.8624629334	0.9999763851
TMEM151A	5.4781708352	0.3745527127	0.9999763851
RIN1	1.2721844354	0.4077144764	0.9999763851
BRMS1	1.1741240448	0.4930003948	0.9999763851
B4GAT1	-1.3763682718	0.4338678011	0.9999763851
SLC29A2	-1.3154339304	0.8205576571	0.9999763851
NPAS4	1.2872739558	0.8231267639	0.9999763851
MRPL11	-1.0124176423	0.9390797451	0.9999763851
PELI3	-1.4443368534	0.3582238424	0.9999763851
DPP3	1.4919907328	0.0769017581	0.9999763851
BBS1	1.7450428903	0.632553386	0.9999763851
ZDHHC24	-1.0314839288	0.9137022144	0.9999763851
CCDC87	0	0	0
CCS	1.198960756	0.6444355609	0.9999763851
RBM14	1.3396031948	0.171748147	0.9999763851
RBM14-RBM4	-3.5443870889	0.0127432346	0.9999763851
RBM4	-1.2445372745	0.1212344514	0.9999763851
RBM4B	-1.0214433455	0.9141390128	0.9999763851
SPTBN2	1.8137824633	0.5636614767	0.9999763851
C11orf80	1.135845862	0.819803762	0.9999763851
RCE1	1.5501971516	0.5508474977	0.9999763851
PC	1.7451114492	0.3459884553	0.9999763851
LRFN4	-1.3063735095	0.1822042325	0.9999763851
SYT12	-2.5519849925	0.3672751297	0.9999763851
LOC107984341	2.8674942058	0.3051338712	0.9999763851

gene_expression_table

KDM2A	-1.1057036686	0.5706638956	0.9999763851
GRK2	1.3466320652	0.0410543501	0.9999763851
ANKRD13D	-1.0654807703	0.7887927614	0.9999763851
SSH3	1.5488017649	0.5478215345	0.9999763851
POLD4	-1.3022440858	0.3748337604	0.9999763851
CLCF1	-2.3210912367	0.1860179279	0.9999763851
RAD9A	1.2522196733	0.546983369	0.9999763851
PPP1CA	-1.0426140781	0.7923625911	0.9999763851
TBC1D10C	1.6485236883	0.0987545195	0.9999763851
CARNS1	0	0	0
RPS6KB2	-1.245622969	0.1619822784	0.9999763851
PTPRCAP	-4.2849908816	0.4028453076	0.9999763851
CORO1B	1.3413703944	0.7016505406	0.9999763851
CABP4	3.2361532718	0.5546934395	0.9999763851
TMEM134	-1.2356356493	0.4507195652	0.9999763851
AIP	1.1887057207	0.4954655157	0.9999763851
PITPNM1	3.1090798703	0.1420690117	0.9999763851
CDK2AP2	-1.0206858404	0.9155979113	0.9999763851
GSTP1	1.0443950044	0.7642498787	0.9999763851
NDUFV1	-1.0936144335	0.625458558	0.9999763851
NUDT8	1.2120602209	0.4614977122	0.9999763851
TBX10	0	0	0
UNC93B1	1.315783129	0.2568295293	0.9999763851
ALDH3B1	1.536652845	0.082465148	0.9999763851
NDUFS8	1.508349381	0.0392652091	0.9999763851
TCIRG1	-1.7431796887	0.0003921	0.4396020528
CHKA	1.0558715428	0.7908767651	0.9999763851
KMT5B	1.2729661331	0.3206196012	0.9999763851
C11orf24	1.1585371987	0.5211890806	0.9999763851
LRP5	-1.1926402477	0.6140596541	0.9999763851
PPP6R3	-1.1282258727	0.4296692974	0.9999763851
GAL	-1.4080455631	0.236041005	0.9999763851
TESMIN	1.1238503373	0.707273313	0.9999763851
CPT1A	-1.1784113049	0.2680978126	0.9999763851
MRPL21	1.111918143	0.6006196884	0.9999763851
IGHMBP2	-1.0450733255	0.9283650227	0.9999763851
TPCN2	1.1257162644	0.6175410505	0.9999763851
MYEOV	1.9925962985	0.4276660305	0.9999763851
CCND1	-1.4210949265	0.5923516988	0.9999763851
ORAOV1	-1.1373337057	0.490458352	0.9999763851
ANO1	-4.2864494036	0.4027150576	0.9999763851
FADD	1.2007616417	0.2626466184	0.9999763851
PPFIA1	1.0858056468	0.685984558	0.9999763851
CTTN	7.722359209	0.2874446962	0.9999763851
SHANK2	1.0277462901	0.9757572405	0.9999763851
DHCR7	1.2881789078	0.129147185	0.9999763851
NADSYN1	-1.0448563285	0.8323539553	0.9999763851
KRTAP5-10	-4.2849908816	0.4028453076	0.9999763851
FAM86C1	1.2442206333	0.643528236	0.9999763851

gene_expression_table

ZNF705E	-4.2864494036	0.4027150576	0.9999763851
LOC100129216	5.4784711963	0.3745358536	0.9999763851
RNF121	1.7953519338	0.0648212335	0.9999763851
IL18BP	-4.9394901244	0.0454676904	0.9999763851
NUMA1	-1.0437112545	0.8196585342	0.9999763851
LRTOMT	-2.4191812103	0.1185371269	0.9999763851
LAMTOR1	-1.036557434	0.8180444347	0.9999763851
ANAPC15	-1.0001841089	0.9994775231	0.9999763851
FOLR3	-4.2849908816	0.4028453076	0.9999763851
FOLR2	0	0	0
INPPL1	1.2014172385	0.3201764713	0.9999763851
PHOX2A	0	0	0
CLPB	-1.0735973567	0.8678854197	0.9999763851
PDE2A	2.5098011754	0.4395977304	0.9999763851
ARAP1	-1.024471907	0.8826217268	0.9999763851
STARD10	-3.7476955756	0.1101822092	0.9999763851
ATG16L2	-1.0711396247	0.6604686682	0.9999763851
FCHSD2	-1.0989347282	0.706004538	0.9999763851
P2RY2	1.2889734854	0.320717372	0.9999763851
P2RY6	1.0147626614	0.9568770254	0.9999763851
ARHGEF17	1.1570600642	0.6838099751	0.9999763851
RELT	-1.6129557959	0.0863037936	0.9999763851
FAM168A	1.1804954333	0.6621406232	0.9999763851
PLEKHB1	0	0	0
RAB6A	-1.2536742049	0.1858333075	0.9999763851
MRPL48	1.3353298256	0.1864873624	0.9999763851
COA4	1.3436378606	0.0794314062	0.9999763851
PAAF1	1.724050441	0.0790463794	0.9999763851
DNAJB13	-1.3161718537	0.8286049067	0.9999763851
UCP2	-1.1067838923	0.7190849319	0.9999763851
UCP3	1.027644744	0.9776658337	0.9999763851
C2CD3	-1.1270203652	0.7805359844	0.9999763851
PPME1	-1.1992385941	0.5189184882	0.9999763851
PGM2L1	-1.0597661417	0.8798597939	0.9999763851
KCNE3	-1.5761220861	0.0698976886	0.9999763851
LIPT2	1.2363030365	0.7851059401	0.9999763851
LOC100287896	1.461772119	0.5972841681	0.9999763851
POLD3	-1.3631566548	0.1466381893	0.9999763851
CHRD2	0	0	0
RNF169	-1.3952982372	0.1621821523	0.9999763851
XRR1	1.6676353015	0.092474176	0.9999763851
SPCS2	-1.1645322612	0.2955976028	0.9999763851
NEU3	-3.5693441777	0.0997686245	0.9999763851
SLCO2B1	-4.2849908816	0.4028453076	0.9999763851
ARRB1	1.0185070741	0.8936942159	0.9999763851
RPS3	1.0111740709	0.9297611455	0.9999763851
KLHL35	1.4836611752	0.510002522	0.9999763851
GDPD5	1.1155755303	0.7498090188	0.9999763851
SERP1H1	-3.1563891683	0.1985369756	0.9999763851

gene_expression_table

DGAT2	1.0993384034	0.750459544	0.9999763851
UVRAG	1.1154461669	0.5791322435	0.9999763851
THAP12	-1.2359220512	0.2861987592	0.9999763851
LOC100506127	1.7574012207	0.4563628961	0.9999763851
EMSY	1.0047624586	0.9882887708	0.9999763851
LRRC32	0	0	0
TSKU	1.293138255	0.5080209778	0.9999763851
ACER3	1.1676214644	0.5806179135	0.9999763851
CAPN5	-1.1959066992	0.7977185273	0.9999763851
MYO7A	-1.4889425408	0.3691873014	0.9999763851
PAK1	-1.1811552572	0.3813519639	0.9999763851
LOC107987163	-1.7842319031	0.2668247326	0.9999763851
AQP11	1.922830455	0.4619641046	0.9999763851
CLNS1A	-1.1857376123	0.26743614	0.9999763851
RSF1	-1.0702066481	0.7036354525	0.9999763851
AAMDC	1.1774367818	0.5510614692	0.9999763851
INTS4	1.2897962377	0.6135164093	0.9999763851
NDUFC2-KCTD14	-1.1494500921	0.8539263637	0.9999763851
NDUFC2	1.5004646008	0.004831	0.9999763851
ALG8	1.5427277387	0.0174339231	0.9999763851
KCTD21	1.2792966707	0.6250374225	0.9999763851
USP35	-1.9143611748	0.003703	0.9999763851
GAB2	1.0321351827	0.9341974879	0.9999763851
NARS2	1.2978009956	0.4811750543	0.9999763851
PRCP	-1.0761678674	0.6082538354	0.9999763851
DDIAS	1.8132200733	0.0498565486	0.9999763851
RAB30	-1.0097592345	0.9913143167	0.9999763851
PCF11	-1.0581617769	0.7446219406	0.9999763851
ANKRD42	1.1766460192	0.7119344815	0.9999763851
CCDC90B	-1.2840642084	0.2795022152	0.9999763851
TMEM126B	1.3174874926	0.1687338702	0.9999763851
TMEM126A	1.2989286428	0.2398859338	0.9999763851
CREBZF	-1.0001158534	0.9994640303	0.9999763851
CCDC83	-4.2864494036	0.4027150576	0.9999763851
PICALM	1.0005461492	0.9970919231	0.9999763851
EED	-1.4436888609	0.0417242824	0.9999763851
C11orf73	1.3506954796	0.3006647502	0.9999763851
CCDC81	-4.2849908816	0.4028453076	0.9999763851
ME3	1.2490665649	0.6891501225	0.9999763851
FZD4	-3.3294360969	0.2401993702	0.9999763851
TMEM135	1.1557101781	0.6821822268	0.9999763851
RAB38	-2.5616934468	0.2767599224	0.9999763851
CTSC	1.0529294202	0.7863925464	0.9999763851
GRM5	0	0	0
NOX4	0	0	0
FOLH1B	0	0	0
NAALAD2	1.1398942771	0.8201346513	0.9999763851
CHORDC1	1.082445148	0.7312055905	0.9999763851
FAT3	-1.3154339304	0.8205576571	0.9999763851

gene_expression_table

SLC36A4	2.2449332928	0.0274954344	0.9999763851
SMCO4	-1.2832893042	0.309391455	0.9999763851
CEP295	-1.2810113349	0.2416677928	0.9999763851
TAF1D	1.6442860233	0.0226397121	0.9999763851
C11orf54	1.1134501195	0.7722426636	0.9999763851
MED17	1.1201543217	0.6875551788	0.9999763851
HEPHL1	0	0	0
PANX1	-1.1307821804	0.6848715402	0.9999763851
MRE11A	-1.1720410399	0.475510112	0.9999763851
ANKRD49	-1.4469657545	0.1857358243	0.9999763851
C11orf97	-2.3209115874	0.4607268102	0.9999763851
FUT4	1.364818085	0.0870329021	0.9999763851
PIWIL4	-1.2173951742	0.6272534066	0.9999763851
AMOTL1	1.5801325271	0.1846220677	0.9999763851
CWC15	1.0179464936	0.9232834958	0.9999763851
SRSF8	-1.1109891469	0.5744700623	0.9999763851
ENDOD1	-1.3217747202	0.4735220445	0.9999763851
SESN3	1.0208478557	0.9691053071	0.9999763851
FAM76B	1.2875518292	0.3218643288	0.9999763851
CEP57	-1.1503577323	0.4700765328	0.9999763851
MTMR2	1.0018974266	0.9937247305	0.9999763851
MAML2	-1.627682253	0.2615210651	0.9999763851
CCDC82	1.460456132	0.3203838581	0.9999763851
JRKL	-1.6207139327	0.4424263779	0.9999763851
CNTN5	5.4781708352	0.3745527127	0.9999763851
ARHGAP42	7.7211724672	0.2779709379	0.9999763851
TMEM133	5.4770877341	0.3746135179	0.9999763851
TRPC6	0	0	0
C11orf70	-4.2849908816	0.4028453076	0.9999763851
BIRC3	1.4098853934	0.4301552738	0.9999763851
BIRC2	-1.1298355859	0.5423583039	0.9999763851
TMEM123	1.0097609095	0.9536972714	0.9999763851
MMP7	-3.3291448741	0.2509160445	0.9999763851
MMP20	0	0	0
MMP8	1.1333715873	0.8726005559	0.9999763851
MMP10	-8.342239448	0.2154408104	0.9999763851
MMP1	-4.6343491481	3.92E-11	2.64E-07
MMP3	-5.3420894951	0.107104171	0.9999763851
DCUN1D5	-1.4863914839	0.0303605823	0.9999763851
DYNC2H1	-1.4398891606	0.4515666575	0.9999763851
CASP4	-1.2754335354	0.5673738748	0.9999763851
CASP1	-1.6289638637	0.2468401906	0.9999763851
CARD16	-1.0416486765	0.9634135134	0.9999763851
MSANTD4	-1.5497302023	0.2020454122	0.9999763851
KBTBD3	-1.1443525594	0.8866090056	0.9999763851
AASDHPPT	1.0654617698	0.8000769253	0.9999763851
GUCY1A2	-1.1904273562	0.594903681	0.9999763851
CWF19L2	-1.0781169176	0.798977013	0.9999763851
ALKBH8	-1.7727596799	0.3006990432	0.9999763851

gene_expression_table

SLC35F2	1.1620365995	0.7158638779	0.9999763851
RAB39A	0	0	0
CUL5	-1.2667161869	0.2121395773	0.9999763851
ACAT1	1.0170073898	0.91480362	0.9999763851
NPAT	1.1267828244	0.7201433059	0.9999763851
ATM	-1.311395496	0.2791372587	0.9999763851
KDELC2	-3.5820989397	0.005343	0.9999763851
EXPH5	1.2803213157	0.6466122346	0.9999763851
DDX10	1.2524836573	0.2188734688	0.9999763851
ZC3H12C	-1.0440126181	0.9266218969	0.9999763851
RDX	1.0003973295	0.9984608595	0.9999763851
FDX1	-1.108353712	0.5738217796	0.9999763851
ARHGAP20	3.2353357581	0.554787377	0.9999763851
SIK2	1.1826785705	0.6468623915	0.9999763851
PPP2R1B	1.1205983644	0.4842055193	0.9999763851
ALG9	-1.2304465284	0.538375643	0.9999763851
FDXACB1	1.6466739695	0.2373638424	0.9999763851
C11orf1	-1.3504460039	0.3665520678	0.9999763851
HSPB2	0	0	0
C11orf52	0	0	0
DIXDC1	-2.3222877795	0.450910957	0.9999763851
DLAT	-8.3604661647	0.0290780452	0.9999763851
PIH1D2	1.4568251364	0.0835611223	0.9999763851
C11orf57	-1.2811951234	0.3293782385	0.9999763851
TIMM8B	1.0344259866	0.8206773495	0.9999763851
SDHD	1.8432973052	0.0369855774	0.9999763851
IL18	-1.3946909469	0.7147517481	0.9999763851
TEX12	0	0	0
BCO2	2.3398344857	0.4135656902	0.9999763851
PTS	1.0568629461	0.829886905	0.9999763851
PLET1	3.2361532718	0.5546934395	0.9999763851
NCAM1	-5.0519831528	0.0413915934	0.9999763851
TTC12	-1.3953638359	0.6936906344	0.9999763851
TMPRSS5	0	0	0
ZW10	1.1380744274	0.4597575193	0.9999763851
USP28	1.5423203699	0.1200665698	0.9999763851
HTR3B	0	0	0
ZBTB16	-2.6615286456	0.1869435458	0.9999763851
C11orf71	1.4658599468	0.5109208968	0.9999763851
RBM7	-1.7522679011	0.0918201139	0.9999763851
REXO2	1.1059719989	0.671617501	0.9999763851
NXPE2	-2.3214980365	0.4366467708	0.9999763851
BUD13	-1.0548760322	0.8471293087	0.9999763851
ZPR1	1.2120087295	0.4392411754	0.9999763851
SIK3	-1.6215814123	0.0345749104	0.9999763851
PAFAH1B2	-1.0965839776	0.5029567447	0.9999763851
SIDT2	1.0231141341	0.9373311592	0.9999763851
TAGLN	-2.2178496717	0.4267261952	0.9999763851
PCSK7	1.0317365674	0.8978952417	0.9999763851

gene_expression_table

RNF214	-1.2329246863	0.5735694382	0.9999763851
BACE1	-1.4284678387	0.5770606471	0.9999763851
CEP164	1.2949616389	0.3771936769	0.9999763851
FXVD2	3.2361532718	0.5546934395	0.9999763851
FXVD6	2.3403997491	0.4171851616	0.9999763851
IL10RA	-1.0268089327	0.9294099452	0.9999763851
JAML	3.2353357581	0.554787377	0.9999763851
MPZL3	0	0	0
CD3E	2.1016747882	0.5172996432	0.9999763851
CD3G	0	0	0
UBE4A	1.3550670981	0.113295973	0.9999763851
ATP5L	-1.3052322202	0.0256513894	0.9999763851
KMT2A	-1.2884919816	0.3224336452	0.9999763851
TMEM25	-1.1334584708	0.7593433652	0.9999763851
IFT46	9.0182935529	0.2608495149	0.9999763851
ARCN1	-1.3166740593	0.1600939323	0.9999763851
PHLDB1	1.0271487798	0.9777882605	0.9999763851
DDX6	-1.2180204013	0.1587119066	0.9999763851
CXCR5	-2.9861951639	0.0442663886	0.9999763851
BCL9L	-1.0351698453	0.9623707877	0.9999763851
UPK2	0	0	0
FOXR1	0	0	0
CCDC84	-1.3505206804	0.4984231448	0.9999763851
RPS25	1.0540873508	0.7656647951	0.9999763851
TRAPPC4	1.0298276653	0.8607142902	0.9999763851
SLC37A4	1.6398301766	0.0580339511	0.9999763851
HYOU1	1.0077941852	0.9614315505	0.9999763851
VPS11	1.3234492558	0.4296193548	0.9999763851
HMBS	1.6570081571	0.0137998607	0.9999763851
H2AFX	-1.0345128081	0.8461772579	0.9999763851
DPAGT1	1.4031041064	0.177508555	0.9999763851
C2CD2L	-1.029742369	0.9289993328	0.9999763851
HINFP	1.0688575366	0.8915966954	0.9999763851
NLRX1	1.252607192	0.5278707508	0.9999763851
CBL	-1.2935150851	0.174295431	0.9999763851
RNF26	1.0117842166	0.9547439063	0.9999763851
USP2	-1.4422814889	0.6418633521	0.9999763851
NECTIN1	1.1753784252	0.577019469	0.9999763851
OAF	-1.0371590333	0.8420324712	0.9999763851
TMEM136	0	0	0
ARHGEF12	4.4613963453	0.02510871	0.9999763851
SC5D	-1.0051991567	0.9868206056	0.9999763851
SORL1	1.0533635738	0.7488602299	0.9999763851
UBASH3B	1.0750676819	0.6133015735	0.9999763851
CRTAM	3.2361532718	0.5546934395	0.9999763851
C11orf63	1.7584422599	0.448089874	0.9999763851
HSPA8	1.1210857482	0.3318252021	0.9999763851
GRAMD1B	-1.0405076573	0.833776492	0.9999763851
SCN3B	12.1150575073	0.1935053692	0.9999763851

gene_expression_table

ZNF202	-1.1268821418	0.7938470845	0.9999763851
VWA5A	-2.1283157091	0.1193169916	0.9999763851
OR8G5	3.2353357581	0.554787377	0.9999763851
TBRG1	1.2002398463	0.3742189224	0.9999763851
SIAE	1.0883507656	0.8430905565	0.9999763851
SPA17	4.9743874554	0.1013229557	0.9999763851
NRGN	1.5680568372	0.0659097285	0.9999763851
VSIG2	1.7447664027	0.3572062657	0.9999763851
ESAM	0	0	0
MSANTD2	-1.1485931013	0.8489951402	0.9999763851
ROBO3	-1.4294246668	0.5387190379	0.9999763851
CCDC15	-1.5666222009	0.2291863852	0.9999763851
SLC37A2	-1.2133026633	0.4043635041	0.9999763851
TMEM218	-1.1527732967	0.4737511048	0.9999763851
PKNOX2	-1.3709710942	0.7480489583	0.9999763851
FEZ1	3.2353357581	0.554787377	0.9999763851
EI24	1.0651277587	0.6279704872	0.9999763851
STT3A	-1.0509716589	0.8045400931	0.9999763851
CHEK1	-1.1979059207	0.4538173584	0.9999763851
ACRV1	3.3300007086	0.101203885	0.9999763851
PATE4	0	0	0
HYLS1	1.3427855291	0.766209566	0.9999763851
PUS3	1.9505880649	0.0167025056	0.9999763851
CDON	-1.0477046426	0.9130827507	0.9999763851
LOC105369591	0	0	0
RPUSD4	1.1025683607	0.6939179025	0.9999763851
FAM118B	3.2356557963	0.5547505991	0.9999763851
SRPRA	-1.04045024	0.8407572776	0.9999763851
FOXRED1	-1.0198393273	0.9321438735	0.9999763851
TIRAP	-1.8170402834	0.4612648103	0.9999763851
DCPS	-1.2034088468	0.2592990255	0.9999763851
ST3GAL4	-1.1872475607	0.331043967	0.9999763851
ETS1	-1.1432044445	0.4427971187	0.9999763851
FLI1	-1.2856701017	0.1108252676	0.9999763851
KCNJ1	-2.387415242	0.1994751072	0.9999763851
C11orf45	1.281021076	0.6278819723	0.9999763851
ARHGAP32	1.2796805414	0.3342992563	0.9999763851
BARX2	0	0	0
TMEM45B	-1.4159079662	0.6106094087	0.9999763851
NFRKB	-1.1125046297	0.6395885715	0.9999763851
PRDM10	1.1735024689	0.7592989575	0.9999763851
APLP2	1.0600948959	0.645071191	0.9999763851
ST14	0	0	0
ZBTB44	-1.0170394511	0.9061432836	0.9999763851
JAM3	1.4018110974	0.2629076277	0.9999763851
NCAPD3	1.6093199957	0.1088499801	0.9999763851
VPS26B	1.2106199021	0.2598928117	0.9999763851
THYN1	1.126765711	0.519327967	0.9999763851
ACAD8	-1.0506770252	0.8888489299	0.9999763851

gene_expression_table

IQSEC3	-2.037919908	0.4308742935	0.9999763851
SLC6A12	-1.3154339304	0.8205576571	0.9999763851
SLC6A13	0	0	0
KDM5A	1.1556593628	0.4731910774	0.9999763851
CCDC77	1.0206647194	0.9526668595	0.9999763851
B4GALNT3	1.3582418801	0.5651099155	0.9999763851
NINJ2	1.0411710409	0.8957462119	0.9999763851
WNK1	1.2506531947	0.1722724379	0.9999763851
RAD52	-1.0809624948	0.6607869766	0.9999763851
ERC1	-1.263705764	0.3060291146	0.9999763851
FBXL14	1.2870167985	0.3085679203	0.9999763851
WNT5B	3.2353357581	0.554787377	0.9999763851
ADIPOR2	1.0344256097	0.8224577966	0.9999763851
CACNA2D4	-1.4159103415	0.1049750955	0.9999763851
DCP1B	1.3130992724	0.6476834362	0.9999763851
CACNA1C	1.3174677035	0.4905105285	0.9999763851
FKBP4	1.0189482716	0.9074544403	0.9999763851
ITFG2	-1.1264604962	0.7393438531	0.9999763851
NRIP2	-1.9649399627	0.4624713245	0.9999763851
LOC101929469	1.8136032532	0.5936433508	0.9999763851
FOXM1	-1.0803009863	0.6574656063	0.9999763851
RHNO1	-1.0116385133	0.9610742502	0.9999763851
TULP3	-2.1386792405	0.0443763238	0.9999763851
TEAD4	-4.2849908816	0.4028453076	0.9999763851
TSPAN9	1.1303300756	0.2946827138	0.9999763851
CRACR2A	-1.5034858819	0.2304274565	0.9999763851
PARP11	1.2810764603	0.4454070136	0.9999763851
CCND2	-1.0022657819	0.9901131285	0.9999763851
TIGAR	-1.3835329262	0.3576012447	0.9999763851
C12orf4	-1.6665665338	0.0894600368	0.9999763851
RAD51AP1	-1.093125409	0.6801551931	0.9999763851
DYRK4	1.2897802709	0.4083818954	0.9999763851
AKAP3	-2.3222877795	0.4510535509	0.9999763851
NDUFA9	1.3551043853	0.0791316537	0.9999763851
KCNA6	-1.4078456073	0.6523815848	0.9999763851
VWF	-1.3154339304	0.8205576571	0.9999763851
CD9	-1.4889549815	0.1013083694	0.9999763851
PLEKHG6	1.0276562285	0.9749404666	0.9999763851
TNFRSF1A	-1.278099635	0.1719141242	0.9999763851
LTBR	-1.3962107668	0.1588013625	0.9999763851
CD27	-1.9607753243	0.3468462156	0.9999763851
TAPBPL	1.2212990596	0.7249164228	0.9999763851
VAMP1	1.854443779	0.1451917865	0.9999763851
MRPL51	1.0601963822	0.6847359567	0.9999763851
NCAPD2	1.3349188643	0.0907123617	0.9999763851
GAPDH	1.162567248	0.2096633372	0.9999763851
IFFO1	-1.8419078132	0.0361636907	0.9999763851
NOP2	1.1182161592	0.5837093852	0.9999763851
CHD4	-1.0648360591	0.648614847	0.9999763851

gene_expression_table

LPAR5	0	0	0
ING4	-1.5316049682	0.106134764	0.9999763851
ZNF384	-1.0806909421	0.9257208946	0.9999763851
PIANP	0	0	0
COPS7A	1.1361341026	0.5585706901	0.9999763851
MLF2	1.0043605061	0.9796557739	0.9999763851
PTMS	-3.3707866895	0.0760156811	0.9999763851
CD4	-1.9583625423	0.002616	0.9999763851
GPR162	4.0100732174	0.092674205	0.9999763851
P3H3	0	0	0
GNB3	1.2068244943	0.7388347796	0.9999763851
CDCA3	1.0509855951	0.805758824	0.9999763851
USP5	1.1599005311	0.5760346524	0.9999763851
TPI1	1.0736395399	0.605573557	0.9999763851
SPSB2	1.8308492597	0.2221102442	0.9999763851
LRRC23	1.7937734078	0.2742282374	0.9999763851
ENO2	-1.2066415907	0.6077059447	0.9999763851
ATN1	-1.3876013709	0.5592854581	0.9999763851
C12orf57	1.0608841114	0.6960711895	0.9999763851
PTPN6	1.2299091006	0.3333270635	0.9999763851
PHB2	1.0029521756	0.9820812625	0.9999763851
EMG1	1.0265346575	0.8984703422	0.9999763851
LPCAT3	1.0145103141	0.949205554	0.9999763851
C1R	-4.3338228569	0.1406162149	0.9999763851
C1RL	1.1838848411	0.6976778895	0.9999763851
RBP5	0	0	0
CLSTN3	5.4790129495	0.3759263024	0.9999763851
PEX5	-1.2050188027	0.6578286764	0.9999763851
CD163L1	1.0158315147	0.9640692406	0.9999763851
APOBEC1	-7.5622178268	0.2177145568	0.9999763851
NANOG	1.2867653957	0.8300593121	0.9999763851
SLC2A14	-2.3233606776	0.4606540202	0.9999763851
SLC2A3	-1.5839517417	0.009095	0.9999763851
FOXJ2	1.2358838774	0.5359166854	0.9999763851
C3AR1	1.0572168065	0.907348269	0.9999763851
NECAP1	1.500566265	0.3840509599	0.9999763851
CLEC4A	-4.2864494036	0.4027150576	0.9999763851
FAM90A1	1.6889837257	0.5257211958	0.9999763851
CLEC6A	3.2353357581	0.554787377	0.9999763851
CLEC4D	0	0	0
CLEC4E	3.2353357581	0.554787377	0.9999763851
AICDA	0	0	0
RIMKLB	-1.4307207903	0.5121677191	0.9999763851
PHC1	-1.5219491751	0.3405771983	0.9999763851
M6PR	-1.0307072292	0.8932054804	0.9999763851
KLRG1	-1.5222481543	0.3262697284	0.9999763851
LOC728715	-1.3716482783	0.7379337699	0.9999763851
LOC105376678	-2.3222877795	0.4511966308	0.9999763851
KLRB1	-1.3942010814	0.6866801413	0.9999763851

gene_expression_table

LOC105369728	-14.1218219134	0.1012694921	0.9999763851
CLEC2D	-1.3773671343	0.2576906435	0.9999763851
CLECL1	1.223014665	0.1714336947	0.9999763851
CD69	-1.2947353761	0.3574718524	0.9999763851
KLRF1	2.3396033966	0.4202464014	0.9999763851
CLEC2B	-1.1053561302	0.4270481667	0.9999763851
KLRF2	-4.2849908816	0.4028453076	0.9999763851
CLEC2A	-1.1451177614	0.4176092349	0.9999763851
CLEC12A	-1.179741572	0.3186594552	0.9999763851
CLEC1B	1.9569793291	0.1261980914	0.9999763851
CLEC12B	1.0686406341	0.9156239439	0.9999763851
CLEC1A	0	0	0
CLEC7A	-4.2864494036	0.4027150576	0.9999763851
OLR1	-1.9665787608	0.4507082304	0.9999763851
TMEM52B	2.4673165638	0.3081930627	0.9999763851
GABARAPL1	-1.3813335983	0.5942230549	0.9999763851
MAGOHB	-1.0657812115	0.7720234114	0.9999763851
STYK1	0	0	0
PRR4	9.0182935529	0.2609092261	0.9999763851
PRH1	-1.4872057783	0.1999842305	0.9999763851
PRH2	3.2353357581	0.554787377	0.9999763851
PRH1-TAS2R14	2.0522850196	0.2163751342	0.9999763851
TAS2R20	-1.3713018672	0.7312784555	0.9999763851
SMIM10L1	-1.1035941466	0.6722274371	0.9999763851
TAS2R42	3.2356557963	0.5547505991	0.9999763851
PRB2	0	0	0
ETV6	-1.7110359294	0.0165517854	0.9999763851
BCL2L14	-3.3287018261	0.2432318723	0.9999763851
LOC100506248	-1.0267611171	0.8620071521	0.9999763851
LRP6	-1.3160416743	0.827111756	0.9999763851
BORCS5	-1.7105841649	0.2855292439	0.9999763851
DUSP16	-1.3660704831	0.096177093	0.9999763851
CREBL2	-1.27741639	0.4661415069	0.9999763851
GPR19	1.1979463287	0.7308991062	0.9999763851
CDKN1B	-1.5311947631	0.003942	0.9999763851
APOLD1	-1.8621602614	0.0109143542	0.9999763851
DDX47	1.1741180746	0.6935564891	0.9999763851
FAM234B	-1.2791784011	0.6198824746	0.9999763851
GPRC5D	0	0	0
HEBP1	1.0749218048	0.6761717498	0.9999763851
GSG1	-2.5600051511	0.2551885332	0.9999763851
EMP1	-2.2449641806	0.004633	0.9999763851
GRIN2B	3.2356557963	0.5547505991	0.9999763851
ATF7IP	-1.5606018786	0.0790300641	0.9999763851
C12orf60	-1.6000437015	0.4089217587	0.9999763851
H2AFJ	-1.3158816768	0.8203229797	0.9999763851
WBP11	-1.3808917577	0.0891101928	0.9999763851
SMCO3	0	0	0
ART4	0	0	0

gene_expression_table

ERP27	1.8308244325	0.3752642869	0.9999763851
ARHGDIB	1.2675477183	0.0422967967	0.9999763851
PDE6H	3.2356557963	0.5547505991	0.9999763851
PTPRO	-4.2849908816	0.4028453076	0.9999763851
EPS8	1.3262899408	0.7595844133	0.9999763851
STRAP	1.078410246	0.6412728349	0.9999763851
DERA	-1.1809434159	0.5149571525	0.9999763851
SLC15A5	0	0	0
MGST1	1.1864304412	0.3221895407	0.9999763851
PLCZ1	1.01706669	0.9418734652	0.9999763851
AEBP2	1.0244775335	0.9241828573	0.9999763851
PDE3A	1.2587826646	0.4498440593	0.9999763851
SLCO1B7	3.2353357581	0.554787377	0.9999763851
SLCO1B1	0	0	0
PYROXD1	1.374321878	0.103971806	0.9999763851
RECQL	-2.1907380469	0.077650129	0.9999763851
GOLT1B	1.1641908516	0.4852191293	0.9999763851
GYS2	6.368054416	0.3491891175	0.9999763851
LDHB	1.1941797877	0.1368990723	0.9999763851
ABCC9	0	0	0
CMAS	-1.2696767654	0.220574821	0.9999763851
ST8SIA1	0	0	0
C2CD5	-1.317121473	0.3896799217	0.9999763851
ETNK1	-1.0934677069	0.617939118	0.9999763851
SOX5	-1.3157515262	0.8223988689	0.9999763851
BCAT1	-1.0339624653	0.8485265576	0.9999763851
LRMP	-1.9057962763	0.1369813077	0.9999763851
CASC1	1.2454866827	0.8305954337	0.9999763851
LYRM5	2.2525498699	0.0835794197	0.9999763851
KRAS	1.1116076138	0.5570289451	0.9999763851
LMNTD1	3.2361532718	0.5546934395	0.9999763851
BHLHE41	1.6182325762	0.4523455056	0.9999763851
SSPN	-2.3217011239	0.435585292	0.9999763851
ITPR2	1.3118767628	0.3033206988	0.9999763851
ASUN	1.0280155056	0.8903136334	0.9999763851
FGFR1OP2	-1.4339256786	0.070077276	0.9999763851
TM7SF3	-1.0982844089	0.5097843669	0.9999763851
MED21	1.4543830584	0.1417851921	0.9999763851
C12orf71	0	0	0
STK38L	1.1115930993	0.7220522451	0.9999763851
ARNTL2	1.185296182	0.7165145745	0.9999763851
SMCO2	0	0	0
PPFIBP1	-3.088460367	0.007789	0.9999763851
REP15	0	0	0
MRPS35	1.3639118056	0.0571773411	0.9999763851
KLHL42	-1.1919161296	0.3327528336	0.9999763851
CCDC91	1.0733932509	0.7940682375	0.9999763851
FAR2	-1.1271144273	0.6708875755	0.9999763851
ERGIC2	-1.0723959035	0.7459784794	0.9999763851

gene_expression_table

IPO8	1.3495129021	0.1520583297	0.9999763851
CAPRIN2	1.9673046429	0.3556155176	0.9999763851
DDX11	1.2411278332	0.4966667032	0.9999763851
OVOS2	7.7488609396	0.3059804961	0.9999763851
FAM60A	1.0874294147	0.6629174683	0.9999763851
DENND5B	0	0	0
ETFBKMT	-10.3797341339	0.0137668691	0.9999763851
AMN1	-1.3778718463	0.4532522613	0.9999763851
H3F3C	0	0	0
KIAA1551	-1.1307508007	0.6838135318	0.9999763851
BICD1	-1.2257825366	0.4174886108	0.9999763851
FGD4	1.0097257706	0.954525635	0.9999763851
DNM1L	1.0744190344	0.6525097427	0.9999763851
YARS2	-1.0413307662	0.8863415275	0.9999763851
SYT10	0	0	0
ALG10	1.1142028814	0.8847026385	0.9999763851
ALG10B	-1.2914969252	0.3981572677	0.9999763851
CPNE8	1.3729073284	0.3903695724	0.9999763851
KIF21A	-1.0670397333	0.8462441559	0.9999763851
SLC2A13	-1.3506115695	0.4924534057	0.9999763851
LRRK2	0	0	0
MUC19	3.2361532718	0.5546934395	0.9999763851
CNTN1	3.2356557963	0.5547505991	0.9999763851
PDZRN4	-1.887160399	0.0605198417	0.9999763851
GXYLT1	-1.5006822338	0.0378881136	0.9999763851
YAF2	1.0983589586	0.6185831095	0.9999763851
ZCRB1	-1.1094492781	0.5710826962	0.9999763851
PPHLN1	1.0429105735	0.7747715166	0.9999763851
PRICKLE1	1.9672084963	0.4361707133	0.9999763851
ADAMTS20	3.2356557963	0.5547505991	0.9999763851
PUS7L	-1.3012745614	0.3726395662	0.9999763851
IRAK4	1.1740900496	0.5594751174	0.9999763851
TWF1	1.020188711	0.9458097593	0.9999763851
TMEM117	-2.560793319	0.2842140824	0.9999763851
NELL2	3.2356557963	0.5547505991	0.9999763851
ANO6	-1.1578274269	0.6302608396	0.9999763851
ARID2	-1.1506197858	0.5768500868	0.9999763851
SCAF11	-1.0110574562	0.9370486954	0.9999763851
SLC38A1	1.2066671239	0.2369485443	0.9999763851
SLC38A2	1.2271925499	0.1707606731	0.9999763851
SLC38A4	0	0	0
AMIGO2	5.4790129495	0.3762270444	0.9999763851
PCED1B	-1.0863345041	0.8632896557	0.9999763851
RPAP3	1.4539082266	0.1176291472	0.9999763851
ENDOU	0	0	0
RAPGEF3	-7.5622178268	0.2177145568	0.9999763851
SLC48A1	1.2642745034	0.4892678972	0.9999763851
HDAC7	-1.2883792986	0.165515083	0.9999763851
VDR	-1.2140099331	0.3267171635	0.9999763851

gene_expression_table

TMEM106C	-1.2760280268	0.1449685733	0.9999763851
SENP1	-1.3326566059	0.2713811414	0.9999763851
PFKM	14.4482274128	0.15092542	0.9999763851
ASB8	-1.1184497767	0.6613156813	0.9999763851
ZNF641	1.2251858726	0.7478337156	0.9999763851
C12orf54	6.368054416	0.3491960774	0.9999763851
ANP32D	0	0	0
KANSL2	1.1693806602	0.4646005284	0.9999763851
CCNT1	1.4443049625	0.0932298187	0.9999763851
CACNB3	1.0019060314	0.9946243066	0.9999763851
DDX23	1.2732764948	0.1559279644	0.9999763851
RND1	3.3680355205	0.2626171715	0.9999763851
CCDC65	-1.9647456674	0.4668002959	0.9999763851
FKBP11	1.325955166	0.7493014348	0.9999763851
ARF3	1.0153077251	0.9178805863	0.9999763851
WNT10B	1.3662413441	0.5183024283	0.9999763851
WNT1	0	0	0
DDN	0	0	0
PRKAG1	-1.3164821438	0.226568568	0.9999763851
KMT2D	-1.1975892914	0.4882034401	0.9999763851
RHEBL1	-1.1136064003	0.6382350518	0.9999763851
LMBR1L	-1.4402112053	0.3931295054	0.9999763851
TUBA1B	-1.0971762785	0.4190869824	0.9999763851
TUBA1A	-1.0480101495	0.7425101697	0.9999763851
TUBA1C	-1.1091508177	0.3682329793	0.9999763851
PRPH	-1.9654362824	0.4778548266	0.9999763851
TROAP	-1.3220726355	0.4043267527	0.9999763851
C1QL4	3.2356557963	0.5547505991	0.9999763851
SPATS2	1.3989121072	0.2941693859	0.9999763851
MCRS1	1.054919057	0.7947388225	0.9999763851
FAM186B	1.5498231645	0.5451352725	0.9999763851
PRPF40B	-1.4351206863	0.449626059	0.9999763851
FMNL3	1.011351558	0.9767684969	0.9999763851
TMBIM6	1.1369336709	0.3288446411	0.9999763851
NCKAP5L	-1.1973379604	0.8034421863	0.9999763851
BCDIN3D	-1.5606624867	0.3482060469	0.9999763851
FAIM2	0	0	0
AQP6	-4.2849908816	0.4028453076	0.9999763851
RACGAP1	1.0750443486	0.6963764069	0.9999763851
ASIC1	-1.2608756966	0.2925182096	0.9999763851
SMARCD1	1.274453323	0.4652088953	0.9999763851
COX14	1.1479511909	0.3275518091	0.9999763851
CERS5	1.0226958662	0.9239027888	0.9999763851
LIMA1	-1.1482733712	0.5269366991	0.9999763851
LARP4	-1.0492208539	0.7807706192	0.9999763851
DIP2B	-1.2860764275	0.3418098884	0.9999763851
ATF1	-1.0198107596	0.9264464811	0.9999763851
TMPRSS12	0	0	0
METTL7A	1.4014822113	0.2305499446	0.9999763851

gene_expression_table

HIGD1C	12.2055584829	0.1780614767	0.9999763851
SLC11A2	1.1759996854	0.5595462097	0.9999763851
LETMD1	1.2696519671	0.2717558203	0.9999763851
CSRNP2	-1.3196367789	0.5563539322	0.9999763851
TFCP2	1.0783264607	0.6502619906	0.9999763851
POU6F1	1.6426539897	0.366230928	0.9999763851
DAZAP2	-1.079708293	0.5982328885	0.9999763851
SMAGP	1.2815256224	0.7943925444	0.9999763851
BIN2	-1.2054559085	0.3225942626	0.9999763851
CELA1	-1.0658620272	0.9360605674	0.9999763851
GALNT6	-1.2171767658	0.3401276819	0.9999763851
SLC4A8	-2.3227182272	0.1433892385	0.9999763851
SCN8A	-2.5766131218	0.0564204456	0.9999763851
FIGNL2	2.027155953	0.4561872529	0.9999763851
ACVRL1	-5.5367104188	0.0318782444	0.9999763851
ACVR1B	-2.2277517054	0.007771	0.9999763851
GRASP	-2.4440355816	0.4434695289	0.9999763851
NR4A1	1.1390433155	0.8350984278	0.9999763851
ATG101	-1.2342403926	0.2560601265	0.9999763851
KRT80	0	0	0
KRT7	-1.7802290875	0.520804732	0.9999763851
KRT86	1.0560111589	0.716729178	0.9999763851
KRT81	1.5956463682	0.1870072494	0.9999763851
KRT2	-1.0346478895	0.9604887723	0.9999763851
KRT1	-20.6829910744	0.056372274	0.9999763851
KRT77	0	0	0
KRT3	-1.0629193228	0.9429506554	0.9999763851
KRT4	0	0	0
KRT79	-9.0566712722	0.0551899426	0.9999763851
KRT78	-4.2864494036	0.4027150576	0.9999763851
EIF4B	-1.1054358986	0.5092774729	0.9999763851
TNS2	5.4784711963	0.3745358536	0.9999763851
SPRYD3	1.3009924456	0.4589672075	0.9999763851
IGFBP6	1.9229787277	0.4494470579	0.9999763851
SOAT2	1.8142404796	0.5678116976	0.9999763851
CSAD	-2.5610465578	0.2827494718	0.9999763851
ZNF740	-1.1804194403	0.5869645893	0.9999763851
ITGB7	-4.6450398006	0.0004307	0.4545015308
RARG	-1.0164253063	0.9779732893	0.9999763851
MFSD5	1.4563531	0.089265473	0.9999763851
ESPL1	1.6291323892	0.0911363827	0.9999763851
PFDN5	-1.3010829267	0.1250406317	0.9999763851
C12orf10	-1.3673585473	0.2630428083	0.9999763851
AAAS	-1.4940668448	0.2843531942	0.9999763851
SP1	-1.2939628123	0.2875548805	0.9999763851
PRR13	-1.0760630455	0.5866095563	0.9999763851
PCBP2	-1.0241398896	0.8498098253	0.9999763851
MAP3K12	-4.2864494036	0.4027150576	0.9999763851
TARBP2	1.1455776172	0.6239438968	0.9999763851

gene_expression_table

NPFF	1.8137824633	0.5639230692	0.9999763851
ATF7	1.4172000507	0.4687992903	0.9999763851
ATP5G2	-1.0327621783	0.7923230233	0.9999763851
CALCOCO1	-3.7510687687	0.10461698	0.9999763851
HOXC11	3.2353357581	0.554787377	0.9999763851
HOXC10	-1.2264847888	0.4964468664	0.9999763851
HOXC9	-1.0806556559	0.9243074408	0.9999763851
LOC107984512	0	0	0
HOXC8	-2.384593258	0.1959859761	0.9999763851
HOXC6	-1.3907093864	0.3144885423	0.9999763851
HOXC5	-14.1266231044	0.0934860779	0.9999763851
HOXC4	-1.2179546502	0.6362964223	0.9999763851
SMUG1	-1.2176171242	0.5871840894	0.9999763851
CBX5	1.1357829648	0.4181835842	0.9999763851
HNRNPA1	1.2358746064	0.0976169469	0.9999763851
NFE2	1.1709907292	0.4735997042	0.9999763851
COPZ1	-1.2347514516	0.2387026811	0.9999763851
GPR84	1.2600857935	0.4046665229	0.9999763851
ZNF385A	5.0439373197	0.1373919139	0.9999763851
ITGA5	1.3252539819	0.1349715915	0.9999763851
GTSF1	1.4019998954	0.0711194924	0.9999763851
NCKAP1L	1.0605476193	0.6453733337	0.9999763851
PDE1B	-1.3016311333	0.5086680194	0.9999763851
METTL7B	-1.9661045084	0.4534785671	0.9999763851
ITGA7	-1.2364244735	0.6561766678	0.9999763851
BLOC1S1	1.3847052766	0.088155645	0.9999763851
RDH5	2.3396033966	0.4195336873	0.9999763851
CD63	-1.4427490365	0.004669	0.9999763851
GDF11	1.1649936507	0.5930395516	0.9999763851
SARNP	1.2341142649	0.1696493315	0.9999763851
ORMDL2	-1.1024527533	0.6981427948	0.9999763851
DNAJC14	1.2052932884	0.7140409236	0.9999763851
MMP19	-1.6009524639	0.3424507204	0.9999763851
PYM1	-1.2968803677	0.2360833161	0.9999763851
DGKA	-1.3400248288	0.3759060896	0.9999763851
PMEL	-2.4440355816	0.4432184348	0.9999763851
CDK2	-1.2664749725	0.1505215264	0.9999763851
RAB5B	-1.7263628306	0.001008	0.7976857137
SUOX	-2.3882538214	0.2039514464	0.9999763851
IKZF4	-1.3815626988	0.7462525959	0.9999763851
RPS26	1.1818099431	0.4896654199	0.9999763851
PA2G4	-1.0368902275	0.7638635184	0.9999763851
RPL41	-1.0450875133	0.7046968234	0.9999763851
ZC3H10	-1.5856089735	0.3884915118	0.9999763851
ESYT1	1.2538702881	0.1867489324	0.9999763851
LOC107987175	0	0	0
MYL6B	-1.1176748757	0.6285168017	0.9999763851
MYL6	1.0096359395	0.9454915792	0.9999763851
SMARCC2	1.0861791589	0.6764776978	0.9999763851

gene_expression_table

RNF41	-1.1178255036	0.6804172692	0.9999763851
NABP2	1.2369280863	0.2819900412	0.9999763851
ANKRD52	1.129642016	0.6330471908	0.9999763851
COQ10A	-1.1256157506	0.781398033	0.9999763851
CS	1.1962129382	0.199235243	0.9999763851
CNPY2	1.0058470155	0.9713834079	0.9999763851
PAN2	-1.4422794878	0.3329084101	0.9999763851
IL23A	-2.3884896926	0.2362464309	0.9999763851
STAT2	-2.237104103	0.014089415	0.9999763851
TIMELESS	-1.0448018256	0.8036760493	0.9999763851
SPRYD4	-1.0502065902	0.8893673825	0.9999763851
GLS2	19.4295281995	0.1168822197	0.9999763851
BAZ2A	-1.3990320541	0.1674366198	0.9999763851
ATP5B	1.1551663802	0.230680047	0.9999763851
PTGES3	-1.0249118322	0.8434892508	0.9999763851
NACA	1.0847532938	0.5290258523	0.9999763851
PRIM1	-1.3753060378	0.3879855354	0.9999763851
HSD17B6	-1.015368255	0.9782471204	0.9999763851
RDH16	0	0	0
GPR182	0	0	0
ZBTB39	1.6738056472	0.2335313431	0.9999763851
TAC3	-4.2864494036	0.4027150576	0.9999763851
MYO1A	1.2867653957	0.8300189633	0.9999763851
NEMP1	1.0334617858	0.8952091416	0.9999763851
NAB2	1.0738088626	0.8206363691	0.9999763851
STAT6	1.0708001324	0.7693418495	0.9999763851
LRP1	0	0	0
NXPH4	-1.0810230665	0.9182586474	0.9999763851
SHMT2	1.0210378276	0.8942781235	0.9999763851
NDUFA4L2	-1.3155492632	0.8261295197	0.9999763851
STAC3	1.9661403391	0.3468098204	0.9999763851
R3HDM2	-1.1171701541	0.6989810798	0.9999763851
INHBE	-1.3710462586	0.7620868046	0.9999763851
GLI1	1.7432383105	0.3363935773	0.9999763851
ARHGAP9	1.1273757736	0.3953737558	0.9999763851
MARS	1.2245044181	0.2325078268	0.9999763851
DDIT3	-1.0130599365	0.9616924742	0.9999763851
MBD6	-1.4784390749	0.1564422424	0.9999763851
DCTN2	1.0351143167	0.8112585338	0.9999763851
KIF5A	0	0	0
PIP4K2C	-1.0511522002	0.8059590378	0.9999763851
DTX3	3.2353357581	0.554787377	0.9999763851
ARHGEF25	1.3166612325	0.512196322	0.9999763851
B4GALNT1	1.4035461069	0.5107049853	0.9999763851
OS9	-1.1125850509	0.5684800048	0.9999763851
AGAP2	2.0014523426	0.058932647	0.9999763851
TSPAN31	-1.3158393667	0.828022737	0.9999763851
CDK4	-1.0653580613	0.6790328936	0.9999763851
MARCH9	-1.4522402311	0.1891823743	0.9999763851

gene_expression_table

CYP27B1	1.8300010925	0.3755956347	0.9999763851
METTL1	-1.2111696858	0.5156002855	0.9999763851
METTL21B	-1.0440247144	0.8712518178	0.9999763851
TSFM	-1.1222150249	0.6026250864	0.9999763851
AVIL	1.1395802074	0.8210180636	0.9999763851
CTDSP2	-1.0524694221	0.7251525612	0.9999763851
ATP23	1.8155966892	0.0401856557	0.9999763851
FAM19A2	-1.0438195622	0.8468584009	0.9999763851
USP15	-1.4663283799	0.0757193091	0.9999763851
MON2	-1.2057748068	0.5189394406	0.9999763851
PPM1H	-1.1585895879	0.7098807152	0.9999763851
TMEM5	-1.0327801934	0.9381799147	0.9999763851
SRGAP1	-1.2038877456	0.7029617524	0.9999763851
C12orf66	1.1987700037	0.7039884516	0.9999763851
XPOT	1.7539496929	0.0007286	0.6510516988
TBK1	-1.4376052732	0.4083939747	0.9999763851
RASSF3	-1.0744961362	0.751900866	0.9999763851
GNS	-1.0866715991	0.5966824599	0.9999763851
TBC1D30	1.3415763937	0.6951087905	0.9999763851
WIF1	0	0	0
LEMD3	1.4179080198	0.1985431086	0.9999763851
MSRB3	1.1186632532	0.4824272368	0.9999763851
HMGA2	3.2353357581	0.554787377	0.9999763851
LOC100129940	0	0	0
LLPH	1.153222613	0.3783481134	0.9999763851
TMBIM4	-1.0367084778	0.8192895079	0.9999763851
IRAK3	1.1703613646	0.346671282	0.9999763851
HELB	1.3764516987	0.6092752561	0.9999763851
GRIP1	-1.9611742755	0.0609968596	0.9999763851
CAND1	-1.1321526656	0.4267968118	0.9999763851
DYRK2	-1.4682883541	0.1386160072	0.9999763851
MDM1	1.3253189807	0.4924627294	0.9999763851
RAP1B	-1.1818597803	0.2354564477	0.9999763851
NUP107	1.0091781346	0.9691932706	0.9999763851
SLC35E3	-1.5601557122	0.1121021493	0.9999763851
MDM2	1.2219979853	0.4369192603	0.9999763851
CPM	1.1765662098	0.6376044304	0.9999763851
CPSF6	1.3215883416	0.0494016788	0.9999763851
LYZ	-1.3669658748	0.0869199127	0.9999763851
YEATS4	-1.1637343363	0.4386705026	0.9999763851
FRS2	-1.3214047712	0.5063138756	0.9999763851
CCT2	-1.0219004506	0.8689292733	0.9999763851
BEST3	3.2353357581	0.554787377	0.9999763851
RAB3IP	2.2435235174	0.0108368454	0.9999763851
MYRFL	5.4781708352	0.3745527127	0.9999763851
CNOT2	1.1823793977	0.3504903407	0.9999763851
KCNMB4	-3.3272796812	0.2432983936	0.9999763851
PTPRB	-1.1390506844	0.7292068483	0.9999763851
PTPRR	0	0	0

gene_expression_table

ZFC3H1	-1.2632087649	0.5037280418	0.9999763851
THAP2	-2.0471526469	0.1532216967	0.9999763851
TMEM19	1.4494567783	0.2834248967	0.9999763851
RAB21	1.0617035472	0.7532999984	0.9999763851
TBC1D15	1.0841369938	0.6538755465	0.9999763851
TPH2	0	0	0
TRHDE	-4.2849908816	0.4028453076	0.9999763851
ATXN7L3B	1.2859308211	0.2188961716	0.9999763851
GLIPR1	1.2330585255	0.2632767943	0.9999763851
KRR1	-1.4396652144	0.3151871719	0.9999763851
PHLDA1	-1.7445027335	0.116735103	0.9999763851
NAP1L1	-1.1900657307	0.1831690929	0.9999763851
BBS10	-1.3948129396	0.6824171443	0.9999763851
OSBPL8	-1.0773507625	0.6470274596	0.9999763851
ZDHHC17	-1.8142908552	0.1961389679	0.9999763851
CSRP2	0	0	0
SYT1	3.2353357581	0.554787377	0.9999763851
PAWR	0	0	0
PPP1R12A	-1.1098482068	0.5982727939	0.9999763851
LOC107984534	0	0	0
OTOGL	0	0	0
PTPRQ	0	0	0
PPFIA2	3.2356557963	0.5547505991	0.9999763851
CCDC59	1.1313126825	0.5336763931	0.9999763851
METTL25	-1.4361212023	0.4463144691	0.9999763851
TMTC2	1.245188991	0.5656833032	0.9999763851
LRRIQ1	0	0	0
MGAT4C	1.3264789913	0.7364653153	0.9999763851
C12orf50	0	0	0
C12orf29	1.1284689447	0.7015390269	0.9999763851
CEP290	-1.507367245	0.2995486116	0.9999763851
TMTC3	1.8338024858	0.1622993667	0.9999763851
DUSP6	-1.0772985462	0.6125684594	0.9999763851
POC1B	1.0728240527	0.75944187	0.9999763851
GALNT4	4.8791443919	0.0119753603	0.9999763851
ATP2B1	-1.2319005127	0.2625366812	0.9999763851
DCN	0	0	0
BTG1	-1.3762231099	0.0238101753	0.9999763851
CLLU1OS	0	0	0
PLEKHG7	1.8888297566	0.5937424439	0.9999763851
EEA1	-1.1609678916	0.5744726564	0.9999763851
NUDT4	1.1257780379	0.4252355397	0.9999763851
UBE2N	1.071059093	0.6610136971	0.9999763851
MRPL42	1.2055858703	0.2870388985	0.9999763851
SOCS2	4.4659480018	0.0189331185	0.9999763851
CRADD	1.0532517376	0.8918397042	0.9999763851
PLXNC1	1.3766957264	0.221495003	0.9999763851
CEP83	-1.5866901523	0.1330849648	0.9999763851
NDUFA12	1.388199735	0.027171701	0.9999763851

gene_expression_table

NR2C1	1.056695501	0.8471069127	0.9999763851
FGD6	-1.3373750721	0.5214808288	0.9999763851
VEZT	1.3226203449	0.2275108441	0.9999763851
METAP2	-1.0403892141	0.7612254046	0.9999763851
USP44	1.6372041402	0.0125820513	0.9999763851
NTN4	3.2356557963	0.5547505991	0.9999763851
SNRPF	1.1424641012	0.3630883163	0.9999763851
CCDC38	-1.9672070343	0.4589649407	0.9999763851
AMDHD1	1.8145193361	0.5769212622	0.9999763851
HAL	-1.0400495026	0.952350152	0.9999763851
LTA4H	-1.3406994067	0.1626335555	0.9999763851
ELK3	-1.0767776346	0.6899154922	0.9999763851
CDK17	1.0535408318	0.8563018775	0.9999763851
NEDD1	-1.2534975641	0.2250237113	0.9999763851
TMPO	-1.1082455856	0.4114642247	0.9999763851
SLC25A3	1.4802807089	0.00155	0.9999763851
IKBIP	1.0855182472	0.7216795562	0.9999763851
APAF1	-1.4110698006	0.2843397327	0.9999763851
ANKS1B	-4.3327792956	0.1655099731	0.9999763851
UHRF1BP1L	1.0690837976	0.7971214744	0.9999763851
ACTR6	-1.3342619073	0.3206561677	0.9999763851
DEPDC4	-1.3157515262	0.8224004334	0.9999763851
SCYL2	1.2857852807	0.3732899472	0.9999763851
NR1H4	0	0	0
GAS2L3	-1.6899157383	0.2658794665	0.9999763851
UTP20	-1.0218852586	0.937424121	0.9999763851
ARL1	-1.063374598	0.7105963071	0.9999763851
CHPT1	1.1639389253	0.4515621415	0.9999763851
SYCP3	9.9312452783	0.2486349035	0.9999763851
GNPTAB	-1.0658243062	0.7538044472	0.9999763851
DRAM1	-1.1393632939	0.5544736177	0.9999763851
CCDC53	-1.1577250277	0.7454565085	0.9999763851
NUP37	1.1234130511	0.5998784207	0.9999763851
PARBP	1.0057682772	0.9897441132	0.9999763851
PMCH	-1.0799166688	0.691230467	0.9999763851
IGF1	5.4770877341	0.3746135179	0.9999763851
STAB2	-3.9253679416	0.057276238	0.9999763851
NT5DC3	1.0274719886	0.916105305	0.9999763851
HSP90B1	-1.3835376718	0.0128406001	0.9999763851
C12orf73	-1.1832343782	0.5566733626	0.9999763851
TDG	1.2487174004	0.2029189865	0.9999763851
GLT8D2	3.7152157043	0.1014605005	0.9999763851
HCFC2	1.7347411924	0.2343756956	0.9999763851
NFYB	-1.5496772939	0.0669699932	0.9999763851
TXNRD1	1.1047394712	0.4427414818	0.9999763851
CHST11	-1.0946474727	0.5565379744	0.9999763851
SLC41A2	1.3502752571	0.6713058002	0.9999763851
C12orf45	-1.1060650023	0.700456703	0.9999763851
ALDH1L2	9.0182935529	0.2609690465	0.9999763851

gene_expression_table

KIAA1033	1.2605271666	0.3660854302	0.9999763851
APPL2	1.0978401185	0.7858816265	0.9999763851
C12orf75	1.2222459419	0.2783078122	0.9999763851
CKAP4	1.0717099893	0.609348928	0.9999763851
TCP11L2	5.4781708352	0.3745527127	0.9999763851
POLR3B	-1.2960787455	0.3371190281	0.9999763851
RFX4	-1.315303824	0.8206171563	0.9999763851
RIC8B	1.3878896577	0.4715255896	0.9999763851
TMEM263	-1.6311976455	0.1008366958	0.9999763851
MTERF2	-1.1551770576	0.7825692367	0.9999763851
CRY1	1.0319839448	0.9030242979	0.9999763851
BTBD11	1.0187933879	0.961267209	0.9999763851
PWP1	1.1453893163	0.4790782747	0.9999763851
PRDM4	-1.012037051	0.9604775799	0.9999763851
WSCD2	0	0	0
FICD	1.8134439204	0.5785866709	0.9999763851
SART3	-1.0951297196	0.6336299882	0.9999763851
ISCU	1.0672279869	0.7642579399	0.9999763851
SELPLG	-1.0369584988	0.8367484486	0.9999763851
CORO1C	-1.1209327294	0.5810036114	0.9999763851
SSH1	-1.1009962177	0.7761576304	0.9999763851
USP30	-1.4422318051	0.3485687063	0.9999763851
ALKBH2	1.1183908697	0.7113590959	0.9999763851
UNG	-1.0871539234	0.6014385169	0.9999763851
ACACB	1.0884716508	0.7372743599	0.9999763851
FOXN4	1.8139617088	0.5795007922	0.9999763851
MYO1H	-1.3154339304	0.8205576571	0.9999763851
KCTD10	1.0410285939	0.8397078125	0.9999763851
UBE3B	-1.3429483816	0.2109646488	0.9999763851
MMAB	1.1228686272	0.5937001865	0.9999763851
MVK	1.0410147721	0.869302523	0.9999763851
FAM222A	1.1618338782	0.7127844588	0.9999763851
GLTP	-1.3191119898	0.1554094666	0.9999763851
TCHP	-1.0264093798	0.926849083	0.9999763851
GIT2	1.3374276907	0.2080345625	0.9999763851
ANKRD13A	1.0041735482	0.9839454475	0.9999763851
C12orf76	1.4286150572	0.3980598449	0.9999763851
IFT81	-1.0855005302	0.8789912013	0.9999763851
ATP2A2	1.2481138143	0.1192868588	0.9999763851
ANAPC7	1.1176796956	0.5696110091	0.9999763851
ARPC3	-1.5145216783	0.006513	0.9999763851
GPN3	-1.0448127287	0.8584853047	0.9999763851
FAM216A	-1.0690174217	0.6456271283	0.9999763851
VPS29	1.0443776619	0.8154696192	0.9999763851
RAD9B	-1.1608121394	0.5428138779	0.9999763851
PPTC7	-3.3295429242	0.2520233306	0.9999763851
TCTN1	-1.0763452518	0.8848488471	0.9999763851
HVCN1	1.4500352271	0.5019378363	0.9999763851
PPP1CC	-1.0764171224	0.5859565	0.9999763851

gene_expression_table

CCDC63	0	0	0
CUX2	1.0836209381	0.7374389153	0.9999763851
FAM109A	-1.0368101062	0.9376592811	0.9999763851
SH2B3	-1.0144670007	0.9500456182	0.9999763851
ATXN2	1.1144554766	0.6043080282	0.9999763851
BRAP	2.2325830412	0.0324054358	0.9999763851
ACAD10	-1.0052070851	0.9888218496	0.9999763851
ALDH2	1.8142404796	0.56760804	0.9999763851
MAPKAPK5	-1.0918749052	0.7285806186	0.9999763851
TMEM116	-1.157574336	0.7091335357	0.9999763851
ERP29	1.0902688123	0.4962121647	0.9999763851
NAA25	1.0402846135	0.87424391	0.9999763851
TRAFD1	1.2372833671	0.5658177748	0.9999763851
HECTD4	-1.1349790134	0.642618607	0.9999763851
RPL6	1.0597824479	0.6227854658	0.9999763851
PTPN11	1.1460229687	0.5122241492	0.9999763851
OAS1	-4.7786096117	0.00586	0.9999763851
OAS3	-1.2557903015	0.5052812826	0.9999763851
OAS2	-2.4031966624	0.1541753007	0.9999763851
RASAL1	0	0	0
CFAP73	-1.0481261601	0.7500331978	0.9999763851
DDX54	-1.2497188948	0.6323760728	0.9999763851
RITA1	-1.0680559507	0.7541438809	0.9999763851
IQCD	1.0275875807	0.9774412141	0.9999763851
TPCN1	1.7422300925	0.0799334549	0.9999763851
SLC8B1	1.2819157687	0.2626933217	0.9999763851
PLBD2	1.2823000855	0.3587497204	0.9999763851
SDSL	2.0638935339	0.254686542	0.9999763851
RBM19	-1.0556518783	0.8271309921	0.9999763851
MED13L	-1.2404714034	0.2254952353	0.9999763851
MAP1LC3B2	-1.6140694975	0.4640180831	0.9999763851
C12orf49	-1.0245979387	0.8809297881	0.9999763851
RNFT2	-1.0628405718	0.9007521036	0.9999763851
HRK	-1.1069884702	0.8174866028	0.9999763851
FBXW8	-1.2763875162	0.3122437392	0.9999763851
TESC	1.2001886431	0.1696135094	0.9999763851
FBXO21	-1.7282325433	0.114830198	0.9999763851
NOS1	0	0	0
RFC5	1.0203532753	0.9011063185	0.9999763851
WSB2	-1.7085584318	0.2506228776	0.9999763851
VSIG10	1.503528631	0.1676503262	0.9999763851
PEBP1	1.0892677477	0.4614154807	0.9999763851
TAOK3	1.1575928138	0.2192893245	0.9999763851
SUDS3	-2.1039798632	0.0201684054	0.9999763851
SRRM4	0	0	0
TMEM233	0	0	0
PRKAB1	1.0141263359	0.9598232867	0.9999763851
CIT	1.1823059654	0.5104306755	0.9999763851
BICDL1	-1.026798645	0.9628770982	0.9999763851

gene_expression_table

RAB35	-1.1366364673	0.4510806144	0.9999763851
GCN1	1.138519209	0.3815926602	0.9999763851
RPLP0	1.0813457709	0.5189791923	0.9999763851
PXN	-1.4466819936	0.0708873162	0.9999763851
SIRT4	-1.0806648985	0.9257079518	0.9999763851
PLA2G1B	-7.5622178268	0.2177145568	0.9999763851
MSI1	3.2356557963	0.5547505991	0.9999763851
COX6A1	1.2219243676	0.1359002484	0.9999763851
TRIAP1	-1.190675255	0.2137084274	0.9999763851
GATC	1.6117798265	0.2679978835	0.9999763851
SRSF9	-1.1875976429	0.1840011289	0.9999763851
DYNLL1	1.1645600498	0.214676498	0.9999763851
COQ5	-1.1452480954	0.479100134	0.9999763851
RNF10	-1.0523059729	0.740277968	0.9999763851
POP5	1.4117881067	0.109476915	0.9999763851
CABP1	1.027554661	0.975654119	0.9999763851
MLEC	-1.0416825998	0.7839491997	0.9999763851
UNC119B	1.2424415035	0.5165805344	0.9999763851
ACADS	-1.2933471009	0.1892659263	0.9999763851
SPPL3	1.225645404	0.3709628013	0.9999763851
HNF1A	1.6236002864	0.5936648968	0.9999763851
C12orf43	-1.2017092396	0.5050439407	0.9999763851
OASL	-14.7252461469	0.0978119437	0.9999763851
P2RX7	1.5159317688	0.2988363527	0.9999763851
P2RX4	-1.1541456714	0.6218300844	0.9999763851
CAMKK2	1.0161620368	0.9260761685	0.9999763851
ANAPC5	1.2681176469	0.1081127059	0.9999763851
RNF34	1.101646536	0.6038113897	0.9999763851
KDM2B	1.0607665261	0.754714381	0.9999763851
ORAI1	-1.0305119758	0.8753577549	0.9999763851
MORN3	3.2353357581	0.554787377	0.9999763851
TMEM120B	-1.090584448	0.7774021473	0.9999763851
RHOF	1.9067530143	0.002617	0.9999763851
SETD1B	-1.0516260059	0.775411655	0.9999763851
HPD	2.5371732676	0.2688076764	0.9999763851
PSMD9	1.0214233139	0.8847302376	0.9999763851
WDR66	-3.5004921496	0.1012598367	0.9999763851
BCL7A	1.1789171499	0.5574991189	0.9999763851
MLXIP	-1.0970278948	0.6339495902	0.9999763851
LRRC43	7.7211724672	0.2779709379	0.9999763851
B3GNT4	1.1884456013	0.3306919682	0.9999763851
DIABLO	1.0549969765	0.8897010051	0.9999763851
VPS33A	1.1535425065	0.5839633502	0.9999763851
CLIP1	1.1983501327	0.5626449986	0.9999763851
ZCCHC8	-1.2612930663	0.3918867923	0.9999763851
RSRC2	-1.347470579	0.0971267375	0.9999763851
KNTC1	-1.0862933446	0.7829949159	0.9999763851
HCAR2	0	0	0
DENR	-1.0428348499	0.7957657472	0.9999763851

gene_expression_table

CCDC62	-2.0624499785	0.3046934717	0.9999763851
HIP1R	1.0798895836	0.8002348375	0.9999763851
VPS37B	1.1004919326	0.7641276814	0.9999763851
ABCB9	-1.246996882	0.6156584494	0.9999763851
OGFOD2	1.4588583651	0.2001928054	0.9999763851
ARL6IP4	1.0843644845	0.567252205	0.9999763851
PITPNM2	-1.1364685749	0.7981193492	0.9999763851
MPHOSPH9	1.195495662	0.3326091313	0.9999763851
C12orf65	-1.3579189174	0.1215615475	0.9999763851
CDK2AP1	1.2928593571	0.2573384603	0.9999763851
SBNO1	-1.0937421358	0.615806713	0.9999763851
KMT5A	1.9012661905	0.1217582485	0.9999763851
RILPL2	-1.0836191629	0.5609031408	0.9999763851
SNRNP35	-1.1045077582	0.8043455073	0.9999763851
RILPL1	1.0306012855	0.9665926947	0.9999763851
TMED2	-1.0597390377	0.7568405968	0.9999763851
DDX55	-1.0334437111	0.8410842808	0.9999763851
EIF2B1	1.1899582372	0.2619259105	0.9999763851
GTF2H3	-1.0544547337	0.8613149399	0.9999763851
ATP6V0A2	-1.2761605512	0.3347914284	0.9999763851
DNAH10	-1.415563406	0.4334008684	0.9999763851
CCDC92	1.0622977031	0.8356107745	0.9999763851
ZNF664	1.1909153774	0.2328393866	0.9999763851
ZNF664-FAM101A	-1.491584767	0.295555348	0.9999763851
NCOR2	1.1646795964	0.3749150096	0.9999763851
SCARB1	1.2733310231	0.2787266884	0.9999763851
UBC	1.0807084084	0.5879865337	0.9999763851
DHX37	1.1057595541	0.7360000724	0.9999763851
BRI3BP	-1.2676671308	0.1313234577	0.9999763851
AACS	1.014844671	0.9596813234	0.9999763851
TMEM132B	-6.3085154939	0.001787	0.9999763851
LOC107984465	3.2353357581	0.554787377	0.9999763851
LOC107984449	0	0	0
TMEM132C	0	0	0
SLC15A4	1.2675769726	0.2957534025	0.9999763851
LOC101929984	0	0	0
TMEM132D	-1.3955017315	0.6896676877	0.9999763851
RIMBP2	0	0	0
STX2	1.2591650677	0.4480026073	0.9999763851
RAN	1.0148911031	0.8974478844	0.9999763851
SFSWAP	1.3112729362	0.1337957609	0.9999763851
MMP17	1.1607221631	0.8158246639	0.9999763851
ULK1	-1.0209429437	0.9127082848	0.9999763851
PUS1	1.0411308625	0.847819404	0.9999763851
EP400	1.0134138078	0.9472839842	0.9999763851
DDX51	1.1237782774	0.6001416683	0.9999763851
NOC4L	1.2472114703	0.5183944052	0.9999763851
GALNT9	4.0584869584	0.0356586285	0.9999763851
MUC8	0	0	0

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FBRSL1	1.0085281906	0.9682465698	0.9999763851
LRCOL1	7.7488609396	0.3059592464	0.9999763851
P2RX2	0	0	0
POLE	-1.1635256109	0.5728404307	0.9999763851
PXMP2	1.6152919211	0.0433596475	0.9999763851
PGAM5	1.1589002785	0.4614945051	0.9999763851
ANKLE2	1.0865010662	0.669668886	0.9999763851
GOLGA3	-1.0169128737	0.9113980396	0.9999763851
ZNF605	-1.0159154378	0.9783684179	0.9999763851
ZNF26	-1.2310110463	0.5996281408	0.9999763851
ZNF84	-1.1746984042	0.5592761201	0.9999763851
ZNF140	-1.3720072732	0.4144057991	0.9999763851
ZNF891	-1.3151016298	0.8212266933	0.9999763851
ZNF10	1.2869488883	0.8209286526	0.9999763851
ZNF268	1.0994425743	0.8848880562	0.9999763851
TPTE2	-4.2849908816	0.4028453076	0.9999763851
MPHOSPH8	1.1423760863	0.4372619512	0.9999763851
PSPC1	1.145763669	0.4981021878	0.9999763851
ZMYM5	-1.3457828145	0.4997430838	0.9999763851
ZMYM2	-1.4656083347	0.0979763531	0.9999763851
GJA3	1.8136231599	0.5627419009	0.9999763851
GJB2	1.7600058205	0.2482309662	0.9999763851
GJB6	3.2353357581	0.554787377	0.9999763851
CRYL1	1.0884036112	0.7414526211	0.9999763851
IFT88	1.1434559725	0.7547759294	0.9999763851
IL17D	1.126568796	0.7219221313	0.9999763851
EEF1AKMT1	-1.0314719684	0.9123771591	0.9999763851
XPO4	-1.1968115817	0.481090372	0.9999763851
LATS2	1.0218216658	0.9395944826	0.9999763851
SAP18	-1.0437256997	0.7499741727	0.9999763851
SKA3	1.0493857185	0.8138879907	0.9999763851
MRPL57	1.2912938345	0.0887115288	0.9999763851
LOC101928764	3.2361532718	0.5546934395	0.9999763851
ZDHHC20	-1.0556732778	0.7545260836	0.9999763851
MICU2	-1.2192858978	0.4043661341	0.9999763851
FGF9	-4.2864494036	0.4027150576	0.9999763851
SGCG	0	0	0
SACS	1.3620951349	0.0885838447	0.9999763851
TNFRSF19	1.0300362649	0.9688504826	0.9999763851
MIPEP	1.7137045638	0.0386979418	0.9999763851
C1QTNF9B-AS1	2.3839656649	0.225884284	0.9999763851
SPATA13	-1.0974604745	0.7854000248	0.9999763851
PARP4	1.075309685	0.7515271404	0.9999763851
ATP12A	6.368054416	0.349203043	0.9999763851
RNF17	0	0	0
CENPJ	-1.3955890483	0.1926448071	0.9999763851
PABPC3	1.2179591309	0.3001180125	0.9999763851
MTMR6	1.6581580088	0.0182499863	0.9999763851
NUP58	1.1454053591	0.5255336929	0.9999763851

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ATP8A2	-1.3233953713	0.7047340731	0.9999763851
SHISA2	1.7928823177	0.0880219463	0.9999763851
RNF6	1.0425678762	0.8824054789	0.9999763851
CDK8	1.1273898284	0.7404569468	0.9999763851
WASF3	-1.4391263345	0.6925013455	0.9999763851
GPR12	0	0	0
USP12	-1.0128593849	0.9518920232	0.9999763851
RPL21	1.1931911716	0.2799459693	0.9999763851
RASL11A	0	0	0
GTF3A	1.2630896172	0.130004301	0.9999763851
MTIF3	1.004947455	0.9842628975	0.9999763851
LNK2	-1.0785835147	0.7077263006	0.9999763851
POLR1D	-1.0099746801	0.9439944002	0.9999763851
PDX1	3.2361532718	0.5546934395	0.9999763851
CDX2	0	0	0
FLT3	-1.3161718537	0.8288271375	0.9999763851
PAN3	-1.2502869806	0.2378163287	0.9999763851
FLT1	1.6702739263	0.4623279285	0.9999763851
POMP	1.0884109285	0.5035844696	0.9999763851
SLC46A3	0	0	0
MTUS2	1.3422974682	0.7193093082	0.9999763851
SLC7A1	1.1517298807	0.4539754429	0.9999763851
UBL3	-1.3737975077	0.1960099766	0.9999763851
KATNAL1	-1.9154154343	0.0628503988	0.9999763851
HMGB1	-1.1235385483	0.3230932378	0.9999763851
USPL1	-1.1395736879	0.6980017986	0.9999763851
ALOX5AP	-1.1246689653	0.4417971728	0.9999763851
MEDAG	0	0	0
HSPH1	1.0630232672	0.6740765585	0.9999763851
B3GLCT	1.0614218676	0.8944605946	0.9999763851
FRY	-1.0880251013	0.754941191	0.9999763851
ZAR1L	-1.3154339304	0.8205576571	0.9999763851
BRCA2	-1.8573895885	0.1218912923	0.9999763851
N4BP2L1	-1.937382965	0.0562632522	0.9999763851
N4BP2L2	1.027866861	0.8811981838	0.9999763851
PDS5B	-1.2165168527	0.3442953778	0.9999763851
KL	0	0	0
STARD13	1.3576108079	0.7957172822	0.9999763851
RFC3	-1.0091083545	0.9657303546	0.9999763851
NBEA	-1.3158816768	0.8203229796	0.9999763851
DCLK1	0	0	0
CCDC169-SOHLH2	-2.3270898917	0.1874348492	0.9999763851
CCDC169	5.4979928157	0.0934985193	0.9999763851
SPG20	-1.1376847162	0.3815221552	0.9999763851
CCNA1	1.1326662498	0.5729201338	0.9999763851
RFXAP	1.0703924237	0.8059306183	0.9999763851
SMAD9	-3.3295429242	0.2519647292	0.9999763851
ALG5	1.2361899045	0.1734213601	0.9999763851
EXOSC8	-1.0149354528	0.9418089327	0.9999763851

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SUPT20H	1.1452447525	0.8090056193	0.9999763851
UFM1	-1.3486509972	0.1512987889	0.9999763851
PROSER1	-1.0268141656	0.9147612162	0.9999763851
NHLRC3	-1.2795221109	0.4846602832	0.9999763851
LHFP	-1.3296842173	0.5342529675	0.9999763851
COG6	-1.1462578978	0.7191773116	0.9999763851
FOXO1	1.1945087061	0.5767013586	0.9999763851
MRPS31	1.3930160408	0.1966536592	0.9999763851
SLC25A15	-1.4928849167	0.197944303	0.9999763851
ELF1	-1.4483263347	0.0692645525	0.9999763851
WBP4	-1.2937870376	0.363677588	0.9999763851
KBTBD6	-1.0710159452	0.7512032046	0.9999763851
KBTBD7	-1.770321806	0.1730201304	0.9999763851
MTRF1	1.113847379	0.7558948988	0.9999763851
NAA16	-1.3199689805	0.3588627852	0.9999763851
RGCC	-1.3673305384	0.4401552175	0.9999763851
VWA8	1.314194154	0.3758172082	0.9999763851
DGKH	-1.0082790795	0.9719073785	0.9999763851
AKAP11	1.3702889139	0.3015148917	0.9999763851
EPSTI1	-4.2864494036	0.4027150576	0.9999763851
DNAJC15	-1.1955812749	0.6464561724	0.9999763851
ENOX1	0	0	0
CCDC122	-2.3214980365	0.4368799648	0.9999763851
LACC1	-1.8878800522	0.1713064801	0.9999763851
SERP2	0	0	0
TSC22D1	1.5888029347	0.1137816275	0.9999763851
NUFIP1	1.0162348354	0.9317992587	0.9999763851
GPALPP1	1.0798342924	0.6814382523	0.9999763851
GTF2F2	-1.0625295572	0.708051814	0.9999763851
TPT1	1.0167674024	0.8829407859	0.9999763851
SLC25A30	1.1297420685	0.6989120703	0.9999763851
COG3	-1.4338022674	0.1330826482	0.9999763851
ZC3H13	-1.0444324469	0.7933962088	0.9999763851
CPB2	-10.844600477	0.1422232425	0.9999763851
LCP1	-1.0101167137	0.9366000634	0.9999763851
LRRC63	-2.3877824956	0.2390456433	0.9999763851
LRCH1	1.0082861712	0.9687828568	0.9999763851
ESD	1.1103681811	0.549549017	0.9999763851
SUCLA2	1.7572405781	0.0108544453	0.9999763851
NUDT15	1.2147270957	0.3966575855	0.9999763851
MED4	1.0969401126	0.5340958542	0.9999763851
ITM2B	1.0077968007	0.9549010499	0.9999763851
RB1	-1.1959122532	0.2692407392	0.9999763851
RCBTB2	1.3017810321	0.0707400095	0.9999763851
CYSLTR2	0	0	0
FNDC3A	-1.2089911247	0.3205067299	0.9999763851
CDADC1	-1.0516063636	0.8300852381	0.9999763851
CAB39L	-1.7772896743	0.009375	0.9999763851
SETDB2	1.0849467892	0.7027568597	0.9999763851

gene_expression_table

SETDB2-PHF11	0	0	0
PHF11	-1.1126545412	0.5845450654	0.9999763851
RCBTB1	-1.0880884245	0.7281816933	0.9999763851
ARL11	-1.1891643579	0.5427997699	0.9999763851
EBPL	-1.0767780729	0.6304190019	0.9999763851
KPNA3	1.0591418317	0.7214188649	0.9999763851
SPRYD7	1.1720926153	0.4444115968	0.9999763851
TRIM13	-1.0846376079	0.6482651794	0.9999763851
KCNRG	-1.0800633574	0.7967473884	0.9999763851
DLEU7	1.276674184	0.505066503	0.9999763851
RNASEH2B	1.1982174179	0.2157644497	0.9999763851
FAM124A	-1.9197578446	0.1150025293	0.9999763851
SERPINE3	-7.5622178268	0.2177145568	0.9999763851
INTS6	1.2695153484	0.1950715216	0.9999763851
WDFY2	-1.013445227	0.9470864202	0.9999763851
DHRS12	1.250998045	0.5111871576	0.9999763851
CCDC70	-7.5622178268	0.2177145568	0.9999763851
ATP7B	1.3593776586	0.5989975472	0.9999763851
ALG11	-1.217570241	0.5957587584	0.9999763851
UTP14C	1.0456607091	0.8293307722	0.9999763851
LOC107984562	-6.7239400998	0.0177063447	0.9999763851
NEK5	-4.2849908816	0.4028453076	0.9999763851
NEK3	-1.0503595166	0.8544249519	0.9999763851
THSD1	1.9436648833	0.1470473319	0.9999763851
VPS36	-1.1953617845	0.3471006689	0.9999763851
CKAP2	1.0764817955	0.6481334293	0.9999763851
HNRNPA1L2	1.0703167922	0.7884464097	0.9999763851
SUGT1	1.1252938069	0.4254095138	0.9999763851
LECT1	7.7192231741	0.2782707334	0.9999763851
OLFM4	0	0	0
DIAPH3	1.0390231012	0.8174100331	0.9999763851
TDRD3	1.2801490406	0.3640315375	0.9999763851
MZT1	1.067831973	0.6849034664	0.9999763851
BORA	-1.2841586617	0.3195032063	0.9999763851
DIS3	1.089589204	0.5174703835	0.9999763851
PIBF1	-1.2015293973	0.4481151845	0.9999763851
KLF5	-2.2051397677	0.1670732594	0.9999763851
KLF12	0	0	0
TBC1D4	-1.2806176768	0.2068507237	0.9999763851
COMMD6	-1.2265628773	0.1270575063	0.9999763851
UCHL3	1.5125917048	0.00455	0.9999763851
LMO7	-1.4009298347	0.1516180504	0.9999763851
KCTD12	-4.2849908816	0.4028453076	0.9999763851
ACOD1	-1.3715126673	0.7507171393	0.9999763851
CLN5	1.7772431003	0.0147107803	0.9999763851
FBXL3	1.0789760474	0.672435692	0.9999763851
MYCBP2	1.0940161879	0.4857284112	0.9999763851
SCEL	0	0	0
SLAIN1	1.5099452149	0.5429892632	0.9999763851

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LOC107987188	-1.5020071852	0.3209561268	0.9999763851
POU4F1	1.3320004752	0.7386776771	0.9999763851
RNF219	1.2770512181	0.1116327523	0.9999763851
RBM26	1.1738165351	0.3042246082	0.9999763851
NDFIP2	-1.4072122324	0.6699289508	0.9999763851
SPRY2	1.3935957345	0.2579501105	0.9999763851
GPC6	-2.5608753354	0.262256475	0.9999763851
DCT	-3.3295429242	0.2518232852	0.9999763851
TGDS	-1.2847157431	0.4615239888	0.9999763851
GPR180	-1.1608669276	0.5143063616	0.9999763851
ABCC4	-1.1115315794	0.6464088186	0.9999763851
CLDN10	-1.315303824	0.8206171563	0.9999763851
DZIP1	1.3260278971	0.7357146261	0.9999763851
DNAJC3	-1.138293383	0.439974785	0.9999763851
UGGT2	-1.1363688399	0.6404466807	0.9999763851
HS6ST3	-4.2864494036	0.4027150576	0.9999763851
MBNL2	-1.3951205161	0.694452287	0.9999763851
RAP2A	-1.1256573413	0.581430869	0.9999763851
IPO5	1.0238008028	0.8777670836	0.9999763851
FARP1	1.2867653957	0.8300426537	0.9999763851
STK24	1.0470901044	0.7590561231	0.9999763851
SLC15A1	3.2353357581	0.554787377	0.9999763851
DOCK9	-1.6634732451	0.1271076274	0.9999763851
UBAC2	1.0327717731	0.8475389058	0.9999763851
GPR18	1.9286482047	0.2100163897	0.9999763851
GPR183	-1.202523987	0.6225277988	0.9999763851
TM9SF2	1.0198308211	0.9040258773	0.9999763851
CLYBL	1.1737421692	0.539826704	0.9999763851
PCCA	-1.1810196669	0.3854033594	0.9999763851
GGACT	1.2310267785	0.1343875497	0.9999763851
TMTC4	1.0240005833	0.900166536	0.9999763851
ITGBL1	-13.1048806834	0.1324481376	0.9999763851
FGF14	-1.9660821036	0.4622956112	0.9999763851
TPP2	1.1522778798	0.4703453159	0.9999763851
TEX30	1.705862946	0.0629855538	0.9999763851
BIVM-ERCC5	18.9271138591	0.1177496117	0.9999763851
ERCC5	-1.2634201006	0.3622742119	0.9999763851
EFNB2	9.9604381148	0.2218973023	0.9999763851
ARGLU1	-1.1576207106	0.3334622764	0.9999763851
FAM155A	1.2718841722	0.7771465425	0.9999763851
LIG4	1.8974116751	0.2923483741	0.9999763851
ABHD13	1.2521208762	0.480551666	0.9999763851
TNFSF13B	1.127484244	0.3421445943	0.9999763851
MYO16	1.1526791883	0.7910763709	0.9999763851
IRS2	1.0363210839	0.7780630521	0.9999763851
COL4A1	3.4147527346	0.1247694125	0.9999763851
COL4A2	-1.0682221617	0.6889316246	0.9999763851
RAB20	1.1246744277	0.4434178406	0.9999763851
NAXD	-1.208052497	0.5721950269	0.9999763851

gene_expression_table

CARS2	1.1625313792	0.3056443968	0.9999763851
LOC105376684	-4.2864494036	0.4027150576	0.9999763851
ING1	1.3896920299	0.2144012331	0.9999763851
LOC105370362	3.2361532718	0.5546934395	0.9999763851
ANKRD10	-1.1372659035	0.4599805023	0.9999763851
ARHGEF7	1.6052778367	0.0258682061	0.9999763851
TEX29	-1.3710462586	0.7622082741	0.9999763851
SPACA7	3.2353357581	0.554787377	0.9999763851
TUBGCP3	-1.3367834488	0.0500123711	0.9999763851
ATP11AUN	3.2353357581	0.554787377	0.9999763851
ATP11A	-1.2351865397	0.29494355	0.9999763851
MCF2L	-1.3154339304	0.8205576571	0.9999763851
F10	2.5202262643	0.2771054268	0.9999763851
LOC102724474	5.4776292235	0.3745831165	0.9999763851
PROZ	-1.3721150467	0.7444453804	0.9999763851
PCID2	1.0130262065	0.9394839179	0.9999763851
CUL4A	-1.1707755843	0.3046859359	0.9999763851
LAMP1	-1.0532020886	0.6714159566	0.9999763851
GRTP1	2.8037355282	0.1605777343	0.9999763851
LOC101928841	1.8139019215	0.5819978038	0.9999763851
ADPRHL1	1.5493286353	0.556702986	0.9999763851
DCUN1D2	-1.6044120687	0.1583964223	0.9999763851
TMCO3	1.0346779978	0.8949365969	0.9999763851
TFDP1	-1.2002953361	0.1523776575	0.9999763851
ATP4B	0	0	0
LOC105377805	1.8131652995	0.5810759404	0.9999763851
TMEM255B	-1.1404788704	0.7098194	0.9999763851
GAS6	1.1124412839	0.8250699041	0.9999763851
LINC00452	0	0	0
RASA3	-1.027898279	0.8496882704	0.9999763851
LOC101929355	3.2353357581	0.554787377	0.9999763851
CDC16	1.2208437067	0.3065209345	0.9999763851
UPF3A	-1.1128576611	0.5566860618	0.9999763851
CHAMP1	1.4230506103	0.1140013589	0.9999763851
TTC5	1.3691429619	0.2866337295	0.9999763851
CCNB1IP1	-1.1722109164	0.4963152086	0.9999763851
PARP2	-1.4978774039	0.241503862	0.9999763851
TEP1	-1.2209578689	0.6677290967	0.9999763851
KLHL33	0	0	0
OSGEP	-1.9134730607	0.0199619857	0.9999763851
APEX1	-1.1768784529	0.4858985716	0.9999763851
TMEM55B	-1.4496322545	0.1345557388	0.9999763851
PNP	1.4207030268	0.005714	0.9999763851
RNASE11	-1.4167465726	0.6306109352	0.9999763851
ANG	1.4562362196	0.6629487923	0.9999763851
RNASE4	-3.3704537804	0.0730760137	0.9999763851
RNASE6	0	0	0
RNASE1	0	0	0
RNASE3	1.0138863098	0.946175862	0.9999763851

gene_expression_table

RNASE2	1.1527565413	0.3331128879	0.9999763851
METTL17	1.0702560619	0.7526430115	0.9999763851
NDRG2	0	0	0
ARHGEF40	-1.0807630082	0.8016790503	0.9999763851
ZNF219	-1.1477187905	0.6931031218	0.9999763851
TMEM253	0	0	0
HNRNPC	1.0890903032	0.4712844896	0.9999763851
RPGRIP1	1.5497553448	0.5828862717	0.9999763851
SUPT16H	-1.2045469432	0.189072318	0.9999763851
CHD8	-1.2105311477	0.4783325129	0.9999763851
RAB2B	-1.0606772872	0.8403229304	0.9999763851
TOX4	1.0426880755	0.8158640679	0.9999763851
METTL3	-1.1459068635	0.7176043985	0.9999763851
DAD1	1.0571415312	0.7236253161	0.9999763851
ABHD4	-2.0107465889	0.1983251074	0.9999763851
OXA1L	1.3656499798	0.0982982244	0.9999763851
SLC7A7	-3.1926989958	0.009916	0.9999763851
MRPL52	1.0241282711	0.867682537	0.9999763851
MMP14	-7.5622178268	0.2177145568	0.9999763851
LRP10	-1.1204316341	0.6282036435	0.9999763851
REM2	5.4770877341	0.3746135179	0.9999763851
RBM23	-1.0730725531	0.8034091347	0.9999763851
PRMT5	1.1037018694	0.5430444404	0.9999763851
HAUS4	1.1222409733	0.6036359946	0.9999763851
AJUBA	-1.0848090731	0.8949558776	0.9999763851
C14orf93	4.9781511567	0.1090416082	0.9999763851
PSMB5	-1.0539860337	0.7485843686	0.9999763851
CDH24	1.1333354589	0.8697279169	0.9999763851
LOC105370705	0	0	0
ACIN1	-1.1065482002	0.6265992053	0.9999763851
C14orf119	1.2335039717	0.2567110236	0.9999763851
CEBPE	1.3580658612	0.0697396595	0.9999763851
SLC7A8	1.5848328097	0.1932995148	0.9999763851
RNF212B	-3.3288155965	0.2424150695	0.9999763851
HOMEZ	-1.2606665903	0.5594715839	0.9999763851
PPP1R3E	-1.6083734375	0.1389760744	0.9999763851
BCL2L2	-2.3214980365	0.4369965837	0.9999763851
BCL2L2-PABPN1	-1.5833626518	0.6002463987	0.9999763851
PABPN1	1.1462970993	0.4151708635	0.9999763851
NGDN	-1.201163443	0.234509199	0.9999763851
THTPA	-1.3158393667	0.8279642648	0.9999763851
ZFH2	1.2870761236	0.8160709833	0.9999763851
AP1G2	-1.0198206672	0.9500443818	0.9999763851
DHRS4	1.0947700809	0.6119871589	0.9999763851
DHRS4L2	1.1783128022	0.6101609051	0.9999763851
DHRS4L1	1.0268535045	0.9784766606	0.9999763851
NRL	3.7126144389	0.1266038921	0.9999763851
PCK2	-1.1165025049	0.6604029116	0.9999763851
DCAF11	-1.3107333445	0.093686061	0.9999763851

gene_expression_table

FITM1	3.2353357581	0.554787377	0.9999763851
PSME1	1.5007227872	0.0152458755	0.9999763851
EMC9	-1.309406502	0.4731994394	0.9999763851
PSME2	1.2594192156	0.1739214409	0.9999763851
RNF31	-1.1070836643	0.8119518588	0.9999763851
IRF9	3.3716563396	0.2594998905	0.9999763851
REC8	1.0058242696	0.9918215703	0.9999763851
IPO4	1.1158617614	0.6974426322	0.9999763851
TM9SF1	-1.2361716764	0.3985835177	0.9999763851
TSSK4	3.2353357581	0.554787377	0.9999763851
CHMP4A	1.313620252	0.1285289898	0.9999763851
MDP1	-1.2398810344	0.7239925434	0.9999763851
NEDD8-MDP1	-3.1011527746	0.0547646753	0.9999763851
NEDD8	1.0319351712	0.8497598073	0.9999763851
GMPR2	-1.1917603061	0.3219898871	0.9999763851
TINF2	1.9767289733	0.007579	0.9999763851
TGM1	1.3421649772	0.7036281394	0.9999763851
RABGGTA	1.0116223261	0.9733368601	0.9999763851
DHRS1	-1.0098810639	0.9471036536	0.9999763851
NOP9	1.1535378754	0.5453141247	0.9999763851
CIDEB	1.5503890537	0.1526643051	0.9999763851
LTB4R	-1.0497563294	0.7852464657	0.9999763851
ADCY4	1.0319749808	0.951164983	0.9999763851
RIPK3	1.2241909054	0.7566147316	0.9999763851
KHNYN	-1.1472914366	0.7167256897	0.9999763851
CBLN3	1.0272952748	0.9775286953	0.9999763851
SDR39U1	1.1750370259	0.4042078615	0.9999763851
CMA1	1.2869488883	0.8209826444	0.9999763851
CTSG	-1.1490343211	0.3023759425	0.9999763851
GZMB	3.2356557963	0.5547505991	0.9999763851
STXBP6	3.2356557963	0.5547505991	0.9999763851
PRKD1	0	0	0
G2E3	1.1677360944	0.4900317109	0.9999763851
SCFD1	1.2069165106	0.4730583567	0.9999763851
COCH	0	0	0
STRN3	1.1246066681	0.5453176177	0.9999763851
AP4S1	1.6141925788	0.4103037139	0.9999763851
HECTD1	-1.0209899056	0.9210810726	0.9999763851
HEATR5A	-1.3247786941	0.4298367639	0.9999763851
DTD2	1.4213972935	0.1072269762	0.9999763851
NUBPL	1.0264058989	0.9153675379	0.9999763851
ARHGAP5	-1.9393868411	0.0694479439	0.9999763851
AKAP6	1.5501834829	0.2836250088	0.9999763851
SPTSSA	-1.1004679569	0.6136804115	0.9999763851
EAPP	-1.1997132288	0.4493304483	0.9999763851
SNX6	1.3842227211	0.0444905077	0.9999763851
CFL2	1.3672691571	0.5165783555	0.9999763851
BAZ1A	1.0501471126	0.8101214168	0.9999763851
SRP54	-1.1320106821	0.558227719	0.9999763851

gene_expression_table

FAM177A1	1.0863932551	0.7801205452	0.9999763851
PPP2R3C	1.1996428849	0.4130826932	0.9999763851
KIAA0391	-1.1441982339	0.5883429011	0.9999763851
PSMA6	1.0862837101	0.5875886124	0.9999763851
NFKBIA	-1.2800045647	0.1035756334	0.9999763851
RALGAPA1	-1.0447196859	0.898346144	0.9999763851
BRMS1L	1.1525850614	0.7602440885	0.9999763851
MBIP	-2.1294557464	0.1039780616	0.9999763851
SEC23A	-1.0765067747	0.7597682469	0.9999763851
GEMIN2	-1.5451294964	0.3654252861	0.9999763851
TRAPPC6B	1.6667841079	0.1314481423	0.9999763851
PNN	-1.0578444442	0.7489333966	0.9999763851
MIA2	0	0	0
CTAGE5	-1.2740539157	0.3412698915	0.9999763851
FBXO33	1.1003612957	0.6947338477	0.9999763851
LRFN5	0	0	0
C14orf28	-1.7332721092	0.4777599329	0.9999763851
KLHL28	-1.702782182	0.1455679255	0.9999763851
FAM179B	-1.0583554569	0.9135167201	0.9999763851
PRPF39	1.0346199249	0.8926827061	0.9999763851
FKBP3	1.2537137095	0.3058901387	0.9999763851
FANCM	-1.4329170107	0.510622977	0.9999763851
MIS18BP1	-1.2379865672	0.2601157231	0.9999763851
RPL10L	0	0	0
RPS29	-1.1800301485	0.1643516854	0.9999763851
LRR1	1.0331292858	0.8330660597	0.9999763851
RPL36AL	1.0231039924	0.863854277	0.9999763851
MGAT2	-1.5207716133	0.1051578036	0.9999763851
DNAAF2	-1.2794884001	0.465138609	0.9999763851
POLE2	-1.2999820927	0.3303263415	0.9999763851
KLHDC1	-1.7016113555	0.5931451629	0.9999763851
KLHDC2	-1.0023968826	0.9909206364	0.9999763851
NEMF	1.3905846548	0.1313459178	0.9999763851
ARF6	1.0917989334	0.5027545646	0.9999763851
VCPKMT	1.6314611786	0.1700931061	0.9999763851
SOS2	-1.4720055868	0.1299994561	0.9999763851
L2HGDH	-1.1647574798	0.6506114682	0.9999763851
ATP5S	1.4953438031	0.1780203159	0.9999763851
CDKL1	-1.3226524418	0.5085876018	0.9999763851
MAP4K5	-1.0321679061	0.9245985775	0.9999763851
ATL1	2.5893856813	0.1954557046	0.9999763851
SAV1	-1.2657156961	0.6556004234	0.9999763851
NIN	1.0687392552	0.7124274438	0.9999763851
ABHD12B	1.5501971516	0.5511432317	0.9999763851
PYGL	1.0765112361	0.6879872194	0.9999763851
TRIM9	-1.1820732547	0.7637413137	0.9999763851
TMX1	1.2518879514	0.1862764341	0.9999763851
FRMD6	-3.3284109188	0.2428427922	0.9999763851
GNG2	1.511213481	0.0409084038	0.9999763851

gene_expression_table

C14orf166	1.2148103366	0.1916802534	0.9999763851
NID2	-1.1243143183	0.8470262754	0.9999763851
PTGER2	-1.1213042985	0.6335665291	0.9999763851
TXNDC16	-1.7222722635	0.1494111666	0.9999763851
GPR137C	9.9624059448	0.2314356309	0.9999763851
ERO1A	1.0201846462	0.900966848	0.9999763851
PSMC6	1.0693474516	0.6709955777	0.9999763851
STYX	1.007908665	0.9842396563	0.9999763851
GNPNAT1	1.0021613767	0.9930641806	0.9999763851
DDHD1	-1.2316149889	0.4385556438	0.9999763851
CDKN3	1.0240424827	0.8908720197	0.9999763851
CNIH1	-1.1436271977	0.4242379924	0.9999763851
GMFB	1.4997469069	0.0546788206	0.9999763851
CGRRF1	2.0277299818	0.1423376925	0.9999763851
SAMD4A	-1.0807623952	0.9264695345	0.9999763851
GCH1	1.2626044358	0.3008476076	0.9999763851
WDHD1	1.335243219	0.2501600254	0.9999763851
SOCS4	-1.1951072689	0.5251057439	0.9999763851
MAPK1IP1L	1.1776942056	0.3267971866	0.9999763851
LGALS3	-1.1634326155	0.498469466	0.9999763851
DLGAP5	-1.2691218387	0.2803533398	0.9999763851
FBXO34	-1.5614029831	0.2135085909	0.9999763851
ATG14	-1.8127308044	0.1757977154	0.9999763851
TBPL2	3.2361532718	0.5546934395	0.9999763851
KTN1	1.3075799796	0.06729228	0.9999763851
PELI2	-1.428657825	0.373030472	0.9999763851
TMEM260	-1.0297308187	0.9352899765	0.9999763851
EXOC5	1.4539583699	0.0885441514	0.9999763851
AP5M1	1.5782605759	0.1269109295	0.9999763851
NAA30	1.4356543638	0.2351201898	0.9999763851
C14orf37	0	0	0
ACTR10	1.1511706914	0.4606048501	0.9999763851
PSMA3	1.0234588834	0.9011701073	0.9999763851
ARID4A	1.3329057256	0.2468966278	0.9999763851
TOMM20L	-7.9575607668	0.0002467	0.3161474386
TIMM9	1.6813332878	0.0108531779	0.9999763851
KIAA0586	1.0227249762	0.9198227172	0.9999763851
DACT1	-4.2849908816	0.4028453076	0.9999763851
DAAM1	1.4143009003	0.3616523408	0.9999763851
GPR135	-1.8158646428	0.4740903721	0.9999763851
L3HYPDH	-1.1363427917	0.7769987364	0.9999763851
JKAMP	1.0478567807	0.875379534	0.9999763851
RTN1	0	0	0
PCNX4	-1.0904900687	0.750827833	0.9999763851
DHRS7	-1.5118023216	0.0354534664	0.9999763851
PPM1A	-1.1754685973	0.4437331243	0.9999763851
LOC105378189	0	0	0
MNAT1	-2.0055683193	0.0942932127	0.9999763851
TRMT5	1.9031476545	0.004128	0.9999763851

gene_expression_table

SLC38A6	-1.6401961624	0.2690018137	0.9999763851
PRKCH	3.2356557963	0.5547505991	0.9999763851
HIF1A	-1.1518373097	0.5931302381	0.9999763851
SNAPC1	-1.0749243009	0.8622463986	0.9999763851
KCNH5	0	0	0
RHOJ	0	0	0
GPHB5	0	0	0
PPP2R5E	1.2076049774	0.3539292112	0.9999763851
WDR89	1.0629801063	0.7831745382	0.9999763851
SYNE2	-1.203081765	0.7269933713	0.9999763851
MTHFD1	1.1020669887	0.8616357511	0.9999763851
ZBTB25	-1.0569206728	0.7313549487	0.9999763851
ZBTB1	1.0124752921	0.962031826	0.9999763851
HSPA2	-1.3157515262	0.8224035558	0.9999763851
PPP1R36	-4.2864494036	0.4027150576	0.9999763851
PLEKHG3	-1.185778748	0.7418801732	0.9999763851
SPTB	2.0270981464	0.1179245092	0.9999763851
CHURC1	-1.1206877067	0.4819131192	0.9999763851
CHURC1-FNTB	1.0407242355	0.9323516262	0.9999763851
GPX2	-4.2849908816	0.4028453076	0.9999763851
FNTB	-1.0407883986	0.9419681682	0.9999763851
MAX	-1.1461162834	0.281107642	0.9999763851
FUT8	-1.3178189483	0.6015254756	0.9999763851
GPHN	-1.3357278221	0.2903238619	0.9999763851
MPP5	1.0417389841	0.8688580388	0.9999763851
ATP6V1D	-1.3169916224	0.1662882389	0.9999763851
EIF2S1	1.1362322023	0.3895203774	0.9999763851
TMEM229B	1.1892052954	0.423430025	0.9999763851
PLEKHH1	3.3925476883	0.2301995251	0.9999763851
PIGH	1.4679150796	0.2307880839	0.9999763851
ARG2	1.2478968186	0.3234753689	0.9999763851
VTI1B	-1.750250261	0.1521541198	0.9999763851
RDH11	-1.1391097737	0.4629414406	0.9999763851
RDH12	-1.3944607594	0.6978930708	0.9999763851
ZFYVE26	1.0038295049	0.9872274157	0.9999763851
RAD51B	-1.1705912028	0.5650171054	0.9999763851
ZFP36L1	-3.1662181208	0.003627	0.9999763851
ACTN1	-1.0456842589	0.7366392887	0.9999763851
DCAF5	-1.2535287924	0.2833305957	0.9999763851
EXD2	-1.0359312355	0.9576186513	0.9999763851
GALNT16	7.7204093521	0.2878634691	0.9999763851
ERH	1.0162091537	0.8971454522	0.9999763851
SLC39A9	-1.3635425342	0.1150242361	0.9999763851
SUSD6	1.2157404572	0.4100785312	0.9999763851
SRSF5	-1.0330865123	0.8219109625	0.9999763851
SMOC1	1.0206841205	0.8686086455	0.9999763851
SLC8A3	0	0	0
COX16	1.2054760487	0.5647951731	0.9999763851
SYNJ2BP	0	0	0

gene_expression_table

ADAM20	3.2353357581	0.554787377	0.9999763851
MED6	1.0199759989	0.9250893073	0.9999763851
TTC9	-1.0804548487	0.7631158124	0.9999763851
MAP3K9	1.0968516109	0.8800685302	0.9999763851
PCNX1	1.1253050877	0.5214364492	0.9999763851
SIPA1L1	-1.1369142867	0.6876653804	0.9999763851
RGS6	-4.287394647	0.4026306792	0.9999763851
DCAF4	-1.4415258552	0.4021861259	0.9999763851
ZFYVE1	-1.445019819	0.1656985214	0.9999763851
RBM25	1.069422282	0.6971617675	0.9999763851
PSEN1	-1.1293259948	0.527924022	0.9999763851
PAPLN	-1.3077628127	0.5117873797	0.9999763851
NUMB	-1.1911377986	0.3987313101	0.9999763851
HEATR4	-3.1563891683	0.1984612855	0.9999763851
C14orf169	1.3049487892	0.1284646981	0.9999763851
ACOT1	3.2353357581	0.554787377	0.9999763851
ACOT4	0	0	0
DNAL1	1.4855176074	0.5232243796	0.9999763851
PNMA1	-2.4128397145	0.0391017463	0.9999763851
ELMSAN1	-1.0818943607	0.7436330002	0.9999763851
PTGR2	-1.1126938801	0.8229495989	0.9999763851
ZNF410	1.1286188094	0.7560178809	0.9999763851
FAM161B	-1.2987553962	0.4747507686	0.9999763851
COQ6	-1.1483402483	0.8095036785	0.9999763851
ENTPD5	1.225790229	0.7596250559	0.9999763851
BBOF1	2.4644821133	0.2157217278	0.9999763851
ALDH6A1	-1.9917023999	0.009553	0.9999763851
LIN52	-1.1530202597	0.563991113	0.9999763851
ABCD4	1.5941751628	0.2482873459	0.9999763851
SYNDIG1L	-1.966276531	0.4562605965	0.9999763851
NPC2	-1.1667725453	0.3030871551	0.9999763851
ISCA2	-1.1642555862	0.4970732755	0.9999763851
LTBP2	-1.4078779033	0.6705865709	0.9999763851
AREL1	-1.2662499317	0.3852683626	0.9999763851
FCF1	1.4298848901	0.0271950435	0.9999763851
YLPM1	1.3849210421	0.0669287796	0.9999763851
PROX2	-3.5515374526	0.0239735744	0.9999763851
DLST	1.2137455894	0.4689433068	0.9999763851
RPS6KL1	-7.5622178268	0.2177145568	0.9999763851
PGF	3.2361532718	0.5546934395	0.9999763851
EIF2B2	1.2704114302	0.2687437385	0.9999763851
ACYP1	1.1043386127	0.7389587014	0.9999763851
ZC2HC1C	0	0	0
NEK9	-1.1178767928	0.561374169	0.9999763851
TMED10	-1.0110647419	0.9341625779	0.9999763851
FOS	-1.9940432718	0.003145	0.9999763851
JDP2	1.1180428059	0.4867551132	0.9999763851
BATF	1.1992822003	0.2467520832	0.9999763851
FLVCR2	-1.0375898469	0.8118000791	0.9999763851

gene_expression_table

C14orf1	1.3048477792	0.122434486	0.9999763851
TTLL5	-1.1841105081	0.5597943887	0.9999763851
TGFB3	-1.1428539459	0.8692422886	0.9999763851
IFT43	1.140469041	0.8246909778	0.9999763851
GPATCH2L	-1.2344097505	0.2336781602	0.9999763851
ESRRB	6.368054416	0.3492100145	0.9999763851
VASH1	1.0712510693	0.7827542291	0.9999763851
ANGEL1	-1.1757067823	0.5866332573	0.9999763851
LRRC74A	-4.2849908816	0.4028453076	0.9999763851
IRF2BPL	-1.1618014716	0.3856275204	0.9999763851
LOC107984638	3.3962720959	0.2487408509	0.9999763851
LOC105370579	-1.3713018672	0.7312784555	0.9999763851
CIPC	-1.0580576228	0.8550714343	0.9999763851
ZDHHC22	-1.3154339304	0.8205576571	0.9999763851
TMEM63C	3.0369471101	0.0561625942	0.9999763851
POMT2	1.253371753	0.4286488574	0.9999763851
GSTZ1	-1.3297796194	0.4325604954	0.9999763851
TMED8	1.1691735018	0.4005888637	0.9999763851
SAMD15	0	0	0
NOXRED1	-1.8155268442	0.4541459751	0.9999763851
VIPAS39	-1.2157281827	0.5556524596	0.9999763851
AHSA1	1.0621606248	0.6917742413	0.9999763851
SPTLC2	-1.0766039449	0.7020797058	0.9999763851
ALKBH1	1.5933038533	0.2086715079	0.9999763851
SLIRP	1.0850229077	0.5131100829	0.9999763851
SNW1	-1.1223119469	0.4599898777	0.9999763851
C14orf178	-1.3955017315	0.6893712014	0.9999763851
ADCK1	1.1618795222	0.7432025849	0.9999763851
DIO2	3.2353357581	0.554787377	0.9999763851
CEP128	1.0247946641	0.9319968898	0.9999763851
TSHR	-2.3227998731	0.4412873135	0.9999763851
GTF2A1	-1.0495842426	0.8284045633	0.9999763851
SEL1L	1.2039481119	0.3018510768	0.9999763851
FLRT2	0	0	0
GALC	1.1845842897	0.6399514638	0.9999763851
GPR65	-2.0618162662	0.2890546301	0.9999763851
SPATA7	-2.5596117216	0.2619061677	0.9999763851
PTPN21	3.2353357581	0.554787377	0.9999763851
ZC3H14	1.2903767883	0.255127638	0.9999763851
EML5	1.77355136	0.3504963136	0.9999763851
TTC8	-1.1275107155	0.7955702427	0.9999763851
FOXN3	1.0964283051	0.5427838305	0.9999763851
EFCAB11	-1.2759764368	0.5680131961	0.9999763851
TDP1	1.0772430571	0.690036859	0.9999763851
PSMC1	-1.1608491844	0.3161498401	0.9999763851
NRDE2	1.3352783103	0.4981655874	0.9999763851
CALM1	1.094122918	0.5096106212	0.9999763851
TTC7B	-1.3087201242	0.0287706073	0.9999763851
RPS6KA5	-1.3849626133	0.1522951946	0.9999763851

gene_expression_table

C14orf159	-1.0049876255	0.9845396301	0.9999763851
GPR68	-1.5213785253	0.1236563295	0.9999763851
CCDC88C	-1.1175268014	0.5211530474	0.9999763851
PPP4R3A	1.1224576486	0.5249201912	0.9999763851
CATSPERB	0	0	0
TC2N	1.0692787428	0.8883308497	0.9999763851
TRIP11	-1.2378789805	0.3765916494	0.9999763851
ATXN3	-1.0115922948	0.958513672	0.9999763851
NDUFB1	1.3576675492	0.023313147	0.9999763851
CPSF2	1.0674670837	0.7248906416	0.9999763851
SLC24A4	7.7199860138	0.2827668552	0.9999763851
RIN3	1.1817431331	0.6461993912	0.9999763851
LGMN	5.4781708352	0.3745527127	0.9999763851
GOLGA5	-2.2246364432	0.0170812706	0.9999763851
ITPK1	1.2976657101	0.2073266597	0.9999763851
MOAP1	1.0674639794	0.8032700415	0.9999763851
TMEM251	-1.1325204832	0.704940744	0.9999763851
C14orf142	1.315643376	0.1708421086	0.9999763851
UBR7	1.4740366494	0.0707631629	0.9999763851
BTBD7	1.0278739796	0.8706606071	0.9999763851
UNC79	-1.2836274026	0.198231551	0.9999763851
COX8C	1.0335261549	0.8557657131	0.9999763851
ASB2	1.0511307685	0.8628037794	0.9999763851
OTUB2	-1.1044064817	0.7029547957	0.9999763851
DDX24	1.0325919958	0.8667395332	0.9999763851
IFI27L1	1.0280982828	0.9044647402	0.9999763851
IFI27	-6.5395499284	0.0715111971	0.9999763851
IFI27L2	-1.0992163363	0.5986522715	0.9999763851
PPP4R4	-1.0246989039	0.9749672939	0.9999763851
SERPINA1	-1.108707669	0.8100578236	0.9999763851
DICER1	1.2942199142	0.2289826149	0.9999763851
CLMN	-1.3677549179	0.3948519917	0.9999763851
SYNE3	1.5133967596	0.3969241141	0.9999763851
LOC105370641	0	0	0
GLRX5	1.2172729524	0.1852724744	0.9999763851
ATG2B	1.394769684	0.2867195369	0.9999763851
GSKIP	1.3943642907	0.2198523295	0.9999763851
AK7	3.2353357581	0.554787377	0.9999763851
PAPOLA	-1.0180835712	0.8967296884	0.9999763851
VRK1	1.0536756255	0.7480691266	0.9999763851
BCL11B	-1.1484927822	0.8521482357	0.9999763851
SETD3	-1.0854165674	0.6110688692	0.9999763851
CCNK	1.0720321805	0.7889561101	0.9999763851
CCDC85C	1.3718298627	0.3005497654	0.9999763851
HHIPL1	-7.5622178268	0.2177145568	0.9999763851
CYP46A1	-1.3661346698	0.1688078642	0.9999763851
EML1	2.3413502536	0.4226333491	0.9999763851
EVL	1.1848555144	0.313605435	0.9999763851
DEGS2	0	0	0

gene_expression_table

YY1	1.0486176224	0.7710142475	0.9999763851
SLC25A29	-1.0282824703	0.8927303433	0.9999763851
WARS	1.0417389437	0.8495607048	0.9999763851
WDR25	1.0993343646	0.7035438152	0.9999763851
BEGAIN	-1.0849160377	0.8968117556	0.9999763851
DLK1	-1.0170263897	0.9761886005	0.9999763851
DIO3	0	0	0
PPP2R5C	1.2151784139	0.1841789101	0.9999763851
DYNC1H1	-1.0496332211	0.7177116537	0.9999763851
HSP90AA1	1.2139586818	0.0922553605	0.9999763851
WDR20	-1.4464015966	0.209170409	0.9999763851
MOK	-1.5611789752	0.3779139874	0.9999763851
ZNF839	1.0481449855	0.8628926118	0.9999763851
CINP	1.1588701408	0.6016683475	0.9999763851
TECPR2	-1.361400044	0.2369778653	0.9999763851
ANKRD9	-1.3248028807	0.4333211325	0.9999763851
RCOR1	-1.0192896859	0.9044059243	0.9999763851
TRAF3	-1.0568947635	0.7945691727	0.9999763851
CDC42BPB	-1.2313879396	0.7534607881	0.9999763851
TNFAIP2	-1.2391850792	0.188693506	0.9999763851
LOC105370687	3.2353357581	0.554787377	0.9999763851
EIF5	1.1968001626	0.2060968784	0.9999763851
MARK3	1.0468550507	0.749500943	0.9999763851
CKB	-1.8508980143	0.2114411285	0.9999763851
TRMT61A	1.0374283598	0.873652458	0.9999763851
BAG5	-1.0068434975	0.9698822471	0.9999763851
APOPT1	1.1489241552	0.4835441661	0.9999763851
KLC1	1.3242871579	0.0560895019	0.9999763851
XRCC3	-1.0552694049	0.8061165559	0.9999763851
ZFYVE21	1.0032978266	0.9850350721	0.9999763851
PPP1R13B	1.0311420768	0.9411968039	0.9999763851
C14orf2	1.2069243396	0.1459850737	0.9999763851
TDRD9	-1.6184601085	0.2518078696	0.9999763851
INF2	1.385537808	0.1212786272	0.9999763851
ADSSL1	-7.5664585246	0.2259050528	0.9999763851
SIVA1	1.1700916619	0.215816606	0.9999763851
AKT1	-1.036920636	0.8134654133	0.9999763851
ZBTB42	1.1584377343	0.7061349718	0.9999763851
CEP170B	3.2356557963	0.5547505991	0.9999763851
PLD4	-7.5622178268	0.2177145568	0.9999763851
C14orf79	1.1719216794	0.7691029435	0.9999763851
CDCA4	-1.1102896237	0.4864017597	0.9999763851
GPR132	1.0118504824	0.9761482386	0.9999763851
JAG2	-1.7344697458	0.4549805961	0.9999763851
NUDT14	-1.2197310707	0.5872713466	0.9999763851
BRF1	-1.4458167332	0.1751336033	0.9999763851
BTBD6	1.2533673879	0.2519341463	0.9999763851
PACS2	1.1468523263	0.4990745253	0.9999763851
TEX22	1.1739877281	0.7950675747	0.9999763851

gene_expression_table

MTA1	-1.0646540693	0.7026327636	0.9999763851
CRIP2	0	0	0
CRIP1	1.0480191054	0.9202174948	0.9999763851
C14orf80	-1.0393995099	0.8968977105	0.9999763851
TMEM121	-1.0795865172	0.8110368543	0.9999763851
LOC105369274	0	0	0
POTEB	7.7599005912	0.2899043981	0.9999763851
NIPA2	1.4071729286	0.0357478972	0.9999763851
CYFIP1	1.0149206188	0.9409662282	0.9999763851
TUBGCP5	1.1940219778	0.504030799	0.9999763851
SNRPN	1.4130640769	0.0653569086	0.9999763851
SNURF	1.0175453049	0.9322869323	0.9999763851
UBE3A	1.0471442782	0.7736064532	0.9999763851
ATP10A	0	0	0
GABRB3	4.5321181295	0.0803767201	0.9999763851
GABRG3	3.2361532718	0.5546934395	0.9999763851
HERC2	-1.2118257861	0.2305135007	0.9999763851
HERC2P11	9.9312452783	0.2486169813	0.9999763851
GOLGA8M	1.3496267716	0.3969554083	0.9999763851
APBA2	1.0906194713	0.7899790954	0.9999763851
FAM189A1	-3.3291448741	0.2508455485	0.9999763851
NSMCE3	1.3974216759	0.2388207023	0.9999763851
TJP1	2.1351997131	5.83E-06	0.0149348367
GOLGA8J	-1.2619776428	0.2219031399	0.9999763851
CHRFAM7A	-2.2393906731	0.0637349995	0.9999763851
LOC101060569	-1.0810230665	0.9182800245	0.9999763851
LOC101927579	-1.5745091213	0.2435473376	0.9999763851
LOC101930434	3.2361532718	0.5546934395	0.9999763851
FAN1	-1.7543527075	0.0248244023	0.9999763851
MTMR10	3.5495567446	0.0218975379	0.9999763851
TRPM1	3.2356557963	0.5547505991	0.9999763851
LOC283710	-7.5647903763	0.2176246281	0.9999763851
KLF13	1.2592326539	0.2311073856	0.9999763851
OTUD7A	-1.976218429	0.1378958941	0.9999763851
GOLGA8K	-3.6368469092	0.1554927842	0.9999763851
GOLGA8O	11.8381114083	0.001365	0.941889539
LOC100653133	0	0	0
GOLGA8N	1.113102083	0.5433411917	0.9999763851
ARHGAP11A	1.084768125	0.5898444544	0.9999763851
SCG5	-1.8910486008	0.0157103928	0.9999763851
FMN1	0	0	0
RYR3	1.9654718743	0.3595065335	0.9999763851
AVEN	1.2931182987	0.3619190869	0.9999763851
EMC7	1.1780301381	0.2854961034	0.9999763851
PGBD4	1.8142404796	0.5674129376	0.9999763851
KATNBL1	1.3238575552	0.216929908	0.9999763851
EMC4	-1.2161981917	0.2895942999	0.9999763851
SLC12A6	-1.1125219664	0.7618550212	0.9999763851
NOP10	1.1747329187	0.2136104567	0.9999763851

gene_expression_table

NUTM1	0	0	0
LPCAT4	1.0141869896	0.9762975438	0.9999763851
GOLGA8A	-1.3743618633	0.2964119494	0.9999763851
GOLGA8B	1.2688210612	0.3975334954	0.9999763851
AQR	1.0098447889	0.9608453386	0.9999763851
ZNF770	-1.0996962667	0.5544166066	0.9999763851
DPH6	-1.0439398283	0.8968513524	0.9999763851
C15orf41	-1.2509530446	0.3582324957	0.9999763851
MEIS2	1.1900007014	0.5621461544	0.9999763851
SPRED1	-1.4430537563	0.3465959521	0.9999763851
FAM98B	1.0700841631	0.7195468982	0.9999763851
RASGRP1	1.3258969121	0.7484675255	0.9999763851
C15orf53	5.4781708352	0.3745527127	0.9999763851
THBS1	0	0	0
FSIP1	-1.8165442169	0.4624811618	0.9999763851
EIF2AK4	1.0605477037	0.7277965219	0.9999763851
SRP14	1.1264795055	0.3387693795	0.9999763851
BMF	1.1180839932	0.6892792366	0.9999763851
BUB1B	1.511547826	0.1288416318	0.9999763851
BUB1B-PAK6	-1.2204694913	0.5005382317	0.9999763851
ANKRD63	1.8324140901	0.2228966347	0.9999763851
PLCB2	1.2848014778	0.1976645379	0.9999763851
INAFM2	1.195187054	0.4240531193	0.9999763851
C15orf52	-1.1555457336	0.7962874948	0.9999763851
DISP2	-1.6471937774	0.4537137196	0.9999763851
KNSTRN	-1.0614259536	0.7311179555	0.9999763851
IVD	-1.0974068487	0.6197037695	0.9999763851
BAHD1	1.0122519739	0.9424247162	0.9999763851
CHST14	-1.3702525313	0.1697687576	0.9999763851
C15orf57	-1.1410620197	0.5496241715	0.9999763851
RPUSD2	-1.1131288859	0.5630430192	0.9999763851
CASC5	-1.1448917158	0.4424627929	0.9999763851
RAD51	-1.089837143	0.5581883376	0.9999763851
RMDN3	-1.4350911753	0.0585268741	0.9999763851
GCHFR	1.1924470622	0.3358074592	0.9999763851
DNAJC17	1.3306699864	0.5030739621	0.9999763851
C15orf62	-7.5622178268	0.2177145568	0.9999763851
ZFYVE19	-1.0801789211	0.7455842843	0.9999763851
PPP1R14D	0	0	0
SPINT1	1.2967961371	0.5425933948	0.9999763851
RHOV	1.6045400131	0.2024907551	0.9999763851
VPS18	1.2621565212	0.346436461	0.9999763851
DLL4	3.2356557963	0.5547505991	0.9999763851
CHAC1	1.3101246791	0.5448501399	0.9999763851
INO80	1.1103208773	0.600121524	0.9999763851
CHP1	-1.1584784781	0.4439124906	0.9999763851
OIP5	1.0054354677	0.9715069188	0.9999763851
NUSAP1	1.2257056745	0.1259725679	0.9999763851
NDUFAF1	1.1699036908	0.4392382153	0.9999763851

gene_expression_table

RTF1	-1.1998248253	0.2042816524	0.9999763851
ITPKA	1.2033287128	0.4484124519	0.9999763851
RPAP1	-1.0386994409	0.8765390845	0.9999763851
TYRO3	1.0947740043	0.5555333148	0.9999763851
MGA	-1.4838154859	0.2202135214	0.9999763851
MAPKBP1	-1.0092518449	0.9799958602	0.9999763851
JMJD7	1.3415898104	0.1838731273	0.9999763851
PLA2G4B	1.0326480616	0.9473537026	0.9999763851
SPTBN5	-1.9667102674	0.4562426721	0.9999763851
EHD4	-1.074281164	0.8490042051	0.9999763851
PLA2G4D	2.027155953	0.4566921088	0.9999763851
PLA2G4F	0	0	0
VPS39	1.2753525472	0.3459292581	0.9999763851
TMEM87A	-1.3200894816	0.0502886223	0.9999763851
GANC	-2.0942123789	0.0323628423	0.9999763851
CAPN3	3.0070207342	0.0977427145	0.9999763851
ZNF106	-1.0938068302	0.5752899308	0.9999763851
SNAP23	-1.1609792616	0.8263604482	0.9999763851
LRRC57	1.1664480927	0.3258770286	0.9999763851
HAUS2	1.3826180953	0.0629863809	0.9999763851
STARD9	-1.4825451185	0.1412892508	0.9999763851
CDAN1	1.4510492157	0.2770559418	0.9999763851
TTBK2	-1.4857512099	0.2497441979	0.9999763851
UBR1	-1.3889793987	0.1371681461	0.9999763851
TMEM62	1.1471782791	0.5997731008	0.9999763851
CCNDBP1	1.0779928553	0.6533026495	0.9999763851
EPB42	0	0	0
TGM5	1.6139567595	0.0628517449	0.9999763851
TGM7	0	0	0
LCMT2	1.5022389329	0.2879370514	0.9999763851
ADAL	1.5617218108	0.242415469	0.9999763851
ZSCAN29	-1.4156852347	0.200059224	0.9999763851
TUBGCP4	-1.0730342888	0.6849125558	0.9999763851
TP53BP1	-1.0105262219	0.9788288289	0.9999763851
MAP1A	-1.3157515262	0.822405115	0.9999763851
PPIP5K1	-1.2952959251	0.571130903	0.9999763851
CATSPER2	1.2306977958	0.5592351738	0.9999763851
CKMT1A	-1.4214535124	0.5872146233	0.9999763851
PDIA3	-1.149166722	0.4177319432	0.9999763851
ELL3	1.0787893643	0.8503745427	0.9999763851
SERF2	-1.0763217179	0.5735296156	0.9999763851
SERINC4	0	0	0
HYPK	1.2075143774	0.2312081274	0.9999763851
MFAP1	1.0479773392	0.8009967266	0.9999763851
WDR76	1.2272267104	0.2370309686	0.9999763851
FRMD5	-1.8164974932	0.2877322169	0.9999763851
CASC4	1.4922170707	0.046406942	0.9999763851
CTDSPL2	1.2960489645	0.2325709765	0.9999763851
EIF3J	-1.0459879141	0.7350514867	0.9999763851

gene_expression_table

SPG11	1.3799735952	0.1431856016	0.9999763851
PATL2	-1.2571014048	0.7135055873	0.9999763851
B2M	1.062627034	0.624183536	0.9999763851
SORD	-1.1512425569	0.3239825866	0.9999763851
DUOXA1	-7.5622178268	0.2177145568	0.9999763851
DUOX1	3.2356557963	0.5547505991	0.9999763851
SHF	1.7450428903	0.6326046324	0.9999763851
SLC28A2	-10.8385246611	0.1452344072	0.9999763851
GATM	-1.3161718537	0.8290538512	0.9999763851
SPATA5L1	-1.0826106007	0.8422581788	0.9999763851
C15orf48	-1.3940632796	0.7033607529	0.9999763851
LOC105376714	1.2865109866	0.8337358825	0.9999763851
SLC30A4	-7.3573348511	0.0415312621	0.9999763851
BLOC1S6	1.1247503106	0.4446884243	0.9999763851
SQRDL	1.0588702751	0.6604545531	0.9999763851
SEMA6D	1.2067719715	0.3192996386	0.9999763851
SLC24A5	0	0	0
SLC12A1	-7.5647903763	0.2176246281	0.9999763851
DUT	1.3399467374	0.0270343383	0.9999763851
FBN1	-2.0616365036	0.2870938773	0.9999763851
CEP152	-1.1526293349	0.3869675404	0.9999763851
EID1	1.0951354147	0.4877543507	0.9999763851
SECISBP2L	-1.3255552882	0.163874075	0.9999763851
COPS2	-1.0241836036	0.8691070942	0.9999763851
GALK2	1.0282123421	0.8633282678	0.9999763851
FAM227B	-1.679491499	0.1787567505	0.9999763851
DTWD1	-1.0924569781	0.7111827754	0.9999763851
ATP8B4	1.2969524787	0.0750553594	0.9999763851
SLC27A2	2.6245799343	0.0203770122	0.9999763851
HDC	-4.2849908816	0.4028453076	0.9999763851
GABPB1	-1.145621223	0.4553928255	0.9999763851
USP8	-1.1302296627	0.5370921077	0.9999763851
USP50	3.4795886266	0.1215585104	0.9999763851
TRPM7	-1.2388429003	0.1456686646	0.9999763851
SPPL2A	1.0936801666	0.6784871508	0.9999763851
AP4E1	-1.1568220072	0.4513266463	0.9999763851
CYP19A1	-4.2864494036	0.4027150576	0.9999763851
GLDN	-1.3154339304	0.8205576571	0.9999763851
DMXL2	-1.0229663256	0.8740061105	0.9999763851
SCG3	-2.3214980365	0.4371133126	0.9999763851
LYSMD2	1.0226860115	0.906161627	0.9999763851
TMOD2	-1.1761801462	0.5917656762	0.9999763851
TMOD3	-1.0009590706	0.9947474184	0.9999763851
LEO1	1.0071616295	0.9754310277	0.9999763851
MAPK6	1.0091413333	0.951825807	0.9999763851
GNB5	-1.0066914591	0.9784347992	0.9999763851
MYO5C	1.853680583	0.4438768915	0.9999763851
MYO5A	-1.234391415	0.5153683471	0.9999763851
ARPP19	1.2137378175	0.2233467991	0.9999763851

gene_expression_table

FAM214A	-1.5005740005	0.2072645796	0.9999763851
LOC107983981	1.1886434711	0.769483385	0.9999763851
UNC13C	0	0	0
RSL24D1	-1.0844241121	0.5537846483	0.9999763851
RAB27A	-1.049161985	0.7198137458	0.9999763851
PIGBOS1	1.079324942	0.7558661512	0.9999763851
PIGB	-1.6179934434	0.0966603458	0.9999763851
CCPG1	1.0989471035	0.4972607038	0.9999763851
C15orf65	-1.3717838846	0.7496607128	0.9999763851
DYX1C1	1.3886971814	0.6551591573	0.9999763851
PYGO1	0	0	0
PRTG	-2.3214980365	0.437230213	0.9999763851
NEDD4	1.032850494	0.8942378607	0.9999763851
RFX7	-1.3302461797	0.1817786519	0.9999763851
TEX9	1.7590401103	0.4576017216	0.9999763851
MNS1	-1.1115570433	0.8819103505	0.9999763851
ZNF280D	1.0084786864	0.9758946843	0.9999763851
TCF12	-1.4140854878	0.0160689497	0.9999763851
CGNL1	1.2491760998	0.6936243595	0.9999763851
POLR2M	1.0043673644	0.9838257035	0.9999763851
ALDH1A2	0	0	0
LOC101928635	0	0	0
AQP9	-8.9954408168	0.0160073831	0.9999763851
LIPC	0	0	0
ADAM10	1.0007608381	0.9967265596	0.9999763851
FAM63B	1.0793425334	0.6772356069	0.9999763851
SLTM	1.0531369254	0.7149306498	0.9999763851
RNF111	1.2372563758	0.4414508672	0.9999763851
CCNB2	-1.0174106925	0.8917698565	0.9999763851
MYO1E	-1.4431270474	0.3279646756	0.9999763851
FAM81A	-1.1420017683	0.6705647982	0.9999763851
GTF2A2	1.1586460456	0.3605510977	0.9999763851
BNIP2	1.0440213206	0.7594356327	0.9999763851
ANXA2	1.2006487618	0.1967999219	0.9999763851
ICE2	1.36812103	0.1075580053	0.9999763851
RORA	-2.5948264407	0.0765471993	0.9999763851
VPS13C	1.0300095272	0.8637009754	0.9999763851
LOC105370849	0	0	0
TLN2	-1.8023222043	0.0492829908	0.9999763851
TPM1	1.0832154117	0.6942982566	0.9999763851
LACTB	-1.3248116562	0.1557426696	0.9999763851
RPS27L	1.0682656678	0.6447126875	0.9999763851
RAB8B	-1.2468571291	0.302567835	0.9999763851
APH1B	1.0073115753	0.9726643106	0.9999763851
CA12	3.2353357581	0.554787377	0.9999763851
USP3	1.2103649667	0.2592892866	0.9999763851
FBXL22	1.0301153598	0.8963998083	0.9999763851
HERC1	-1.1645223241	0.5351442161	0.9999763851
DAPK2	1.4837238256	0.4464315257	0.9999763851

gene_expression_table

FAM96A	-1.1166570594	0.3879828081	0.9999763851
SNX1	-1.2475149636	0.1448785147	0.9999763851
SNX22	-1.4579219457	0.0221519135	0.9999763851
PPIB	-21.5726182549	0.0723492168	0.9999763851
CSNK1G1	-1.2252929639	0.3555901115	0.9999763851
KIAA0101	1.0379948138	0.7663458906	0.9999763851
TRIP4	-1.1359188837	0.6537441782	0.9999763851
ZNF609	-1.4355233392	0.0410162379	0.9999763851
OAZ2	1.0051234332	0.9745274458	0.9999763851
RBPMS2	3.2356557963	0.5547505991	0.9999763851
PIF1	1.1306282344	0.5490600858	0.9999763851
PLEKHO2	1.2494013776	0.2961304378	0.9999763851
ANKDD1A	1.0327525483	0.9025477575	0.9999763851
SPG21	1.0486410616	0.7154900168	0.9999763851
MTFMT	-1.3583788028	0.1090665212	0.9999763851
RASL12	0	0	0
UBAP1L	-2.2160441003	0.225803791	0.9999763851
PDCD7	-1.1445984222	0.47040392	0.9999763851
CLPX	1.1727195968	0.3632793369	0.9999763851
PARP16	1.0459919078	0.835276476	0.9999763851
IGDCC3	3.2356557963	0.5547505991	0.9999763851
IGDCC4	-1.371091068	0.7484030603	0.9999763851
DPP8	-1.1544653224	0.4278024043	0.9999763851
HACD3	1.2788600355	0.0980768489	0.9999763851
VWA9	1.1109841579	0.6316752037	0.9999763851
SLC24A1	1.4753751177	0.0806294451	0.9999763851
DENND4A	-1.0111700098	0.9559498323	0.9999763851
RAB11A	-1.019789901	0.8946769817	0.9999763851
MEGF11	-4.2849908816	0.4028453076	0.9999763851
DIS3L	1.0489947442	0.8027102094	0.9999763851
TIPIN	-1.0451623442	0.823648412	0.9999763851
MAP2K1	-1.8426234914	0.0434699276	0.9999763851
SNAPC5	1.0814280189	0.6184750146	0.9999763851
RPL4	-1.1048625948	0.4340406693	0.9999763851
ZWILCH	-1.295372828	0.4335069502	0.9999763851
LCTL	1.0084462472	0.9570932293	0.9999763851
SMAD6	-1.1730080493	0.5423427694	0.9999763851
SMAD3	-1.4309809053	0.1047715548	0.9999763851
AAGAB	-1.395080981	0.0184062468	0.9999763851
IQCH	1.2112706036	0.571660306	0.9999763851
C15orf61	-1.0268933593	0.8744327438	0.9999763851
MAP2K5	1.064375052	0.7592522728	0.9999763851
SKOR1	1.4987063639	0.3640738393	0.9999763851
PIAS1	-1.1665509386	0.3338070866	0.9999763851
CALML4	-1.1291675761	0.5887793628	0.9999763851
CLN6	1.1940407882	0.3081585047	0.9999763851
FEM1B	1.2392646243	0.2165279896	0.9999763851
ITGA11	1.0949541325	0.8930561542	0.9999763851
CORO2B	-1.8155805633	0.2919182654	0.9999763851

gene_expression_table

ANP32A	1.0239196929	0.8574375183	0.9999763851
SPESP1	1.0273967864	0.9753624609	0.9999763851
NOX5	0	0	0
GLCE	1.2177422228	0.681030015	0.9999763851
PAQR5	-2.5519849925	0.3673796027	0.9999763851
KIF23	1.0075853624	0.9681040816	0.9999763851
RPLP1	1.0622378963	0.6126181498	0.9999763851
TLE3	1.0318258355	0.824824701	0.9999763851
UACA	-1.0005497817	0.9979871265	0.9999763851
LARP6	-1.3154339304	0.8205576571	0.9999763851
LRRC49	0	0	0
THAP10	0	0	0
THSD4	1.0186740864	0.9080875182	0.9999763851
MYO9A	-1.0212240708	0.9147966941	0.9999763851
SENP8	-2.3220580825	0.4365515537	0.9999763851
GRAMD2	0	0	0
PKM	1.1063172187	0.4136400498	0.9999763851
PARP6	-1.2673098767	0.2889158182	0.9999763851
CELF6	-1.434036104	0.4692753993	0.9999763851
HEXA	-1.0235875123	0.8838604896	0.9999763851
ARIH1	-1.0971502195	0.5517805853	0.9999763851
GOLGA6B	0	0	0
BBS4	1.2026743796	0.6438688769	0.9999763851
ADPGK	1.0483710119	0.805453605	0.9999763851
NEO1	1.3035167051	0.3107391718	0.9999763851
LOC107984728	-4.2864494036	0.4027150577	0.9999763851
REC114	-4.0939088663	0.196705311	0.9999763851
NPTN	-1.0873050083	0.5706403584	0.9999763851
CD276	-1.5100843857	0.2789106089	0.9999763851
STOML1	-1.079446406	0.7824961939	0.9999763851
PML	1.0684569094	0.7194653408	0.9999763851
LOC732265	0	0	0
STRA6	1.875820524	0.4834469148	0.9999763851
CCDC33	14.4496536579	0.1576050684	0.9999763851
SEMA7A	-1.4680969778	0.3638904739	0.9999763851
UBL7	1.3718132832	0.2001899047	0.9999763851
ARID3B	1.1245591249	0.7402789812	0.9999763851
CLK3	-1.2765509237	0.3099807964	0.9999763851
EDC3	1.290012244	0.3313009307	0.9999763851
CYP1A1	1.9603274464	0.006903	0.9999763851
CSK	-1.055654525	0.729802855	0.9999763851
CPLX3	0	0	0
ULK3	-1.0826950941	0.5845690224	0.9999763851
SCAMP2	-1.5085140934	0.005593	0.9999763851
MPI	-1.3689345067	0.1300770921	0.9999763851
FAM219B	1.0130167433	0.9445768499	0.9999763851
COX5A	1.3308810339	0.0158460388	0.9999763851
RPP25	1.0282463515	0.9031117762	0.9999763851
SCAMP5	1.237058262	0.4045081618	0.9999763851

gene_expression_table

PPCDC	-1.336207849	0.3935569671	0.9999763851
C15orf39	-1.0276284391	0.9031742446	0.9999763851
LOC105376731	0	0	0
COMMD4	1.2354737932	0.2196721879	0.9999763851
NEIL1	1.8815691358	0.3797756536	0.9999763851
MAN2C1	1.3306386159	0.2972555662	0.9999763851
SIN3A	-1.0154983511	0.9392003039	0.9999763851
PTPN9	1.0047304414	0.98242446	0.9999763851
SNUPN	1.3129650794	0.1596982012	0.9999763851
IMP3	-1.2389673855	0.1063924595	0.9999763851
SNX33	-2.5474362455	0.0486548944	0.9999763851
UBE2Q2	-1.1044439159	0.5703283971	0.9999763851
FBXO22	1.2003633378	0.3157640966	0.9999763851
NRG4	-1.131206398	0.6707792487	0.9999763851
TMEM266	3.410933624	0.1443048838	0.9999763851
ETFA	-1.1151466065	0.3866265057	0.9999763851
ISL2	1.6697244135	0.436121507	0.9999763851
SCAPER	-1.1722008032	0.4930456041	0.9999763851
RCN2	-1.0595820767	0.740207631	0.9999763851
PSTPIP1	1.3973120488	0.1532124175	0.9999763851
TSPAN3	-1.1119662725	0.4633977341	0.9999763851
PEAK1	-1.3057613625	0.1772178881	0.9999763851
HMG20A	-1.2104808074	0.2272736955	0.9999763851
LINGO1	-4.2864494036	0.4027150577	0.9999763851
TBC1D2B	-1.0206279598	0.9062753052	0.9999763851
CIB2	-1.762890411	0.2557075219	0.9999763851
IDH3A	-1.0599201751	0.7538849088	0.9999763851
ACSBG1	-2.0620617764	0.3255177884	0.9999763851
DNAJA4	1.1392672551	0.6610125897	0.9999763851
WDR61	1.0687175096	0.6348249763	0.9999763851
IREB2	-1.032437139	0.8294422191	0.9999763851
HYKK	-4.2864494036	0.4027150576	0.9999763851
PSMA4	1.0549534316	0.6665092124	0.9999763851
CHRNA5	1.3752710391	0.2825872603	0.9999763851
CHRNA3	-1.0808570019	0.9213116299	0.9999763851
CHRNA4	0	0	0
ADAMTS7	-1.734127143	0.4720132604	0.9999763851
MORF4L1	-1.2399341761	0.0770376873	0.9999763851
CTSH	-1.2456126596	0.2182140867	0.9999763851
RASGRF1	-1.9647456674	0.4666785999	0.9999763851
ANKRD34C	0	0	0
TMED3	-1.138806241	0.3024300581	0.9999763851
KIAA1024	-1.0346922203	0.9416203726	0.9999763851
MTHFS	1.1762027674	0.3344714158	0.9999763851
ST20-MTHFS	0	0	0
ST20	1.0948940003	0.5558530845	0.9999763851
BCL2A1	-1.2144856475	0.1381299707	0.9999763851
ZFAND6	-1.0615944308	0.6908514317	0.9999763851
FAH	1.1159820333	0.4452241914	0.9999763851

gene_expression_table

ARNT2	3.2361532718	0.5546934395	0.9999763851
ABHD17C	-1.6190833591	0.0001712	0.2302753662
CEMIP	-1.3470658739	0.5372310133	0.9999763851
MESDC2	1.0810427116	0.5674264197	0.9999763851
MESDC1	-1.4733843402	0.007659	0.9999763851
CFAP161	0	0	0
IL16	1.395399928	0.0546502364	0.9999763851
STARD5	-1.7611771642	0.2386080919	0.9999763851
TMC3	-1.3048572565	0.581285498	0.9999763851
MEX3B	-1.4251277271	0.5598666089	0.9999763851
EFL1	1.1282205658	0.6034177634	0.9999763851
SAXO2	0	0	0
GOLGA6L10	-1.3151016298	0.821261495	0.9999763851
GOLGA6L9	-1.2388924391	0.5817515287	0.9999763851
RPS17	1.0283278139	0.8092452057	0.9999763851
AP3B2	3.2356557963	0.5547505991	0.9999763851
FSD2	-1.3703523424	0.1675439246	0.9999763851
WHAMM	1.0801136599	0.7729873551	0.9999763851
HOMER2	-1.0850230024	0.9014494212	0.9999763851
FAM103A1	1.0557268552	0.7737321306	0.9999763851
C15orf40	1.2582131845	0.4055015639	0.9999763851
BTBD1	-1.4950721211	0.2282978279	0.9999763851
TM6SF1	-1.1274970118	0.6292121797	0.9999763851
HDGFRP3	1.548733729	0.4184307244	0.9999763851
SH3GL3	0	0	0
ADAMTSL3	-1.3157515262	0.8224529522	0.9999763851
UBE2Q2L	-1.315303824	0.8206171563	0.9999763851
GOLGA6L4	1.8137824633	0.5647228959	0.9999763851
LOC105376722	0	0	0
LOC102724135	2.7613468677	0.1587819227	0.9999763851
ZSCAN2	1.4960066429	0.2590935642	0.9999763851
WDR73	-1.1658181548	0.5828766852	0.9999763851
NMB	1.3057634074	0.1031565035	0.9999763851
SEC11A	-1.2592941295	0.0773616049	0.9999763851
ZNF592	1.1489701094	0.3388460237	0.9999763851
SLC28A1	3.2361532718	0.5546934395	0.9999763851
PDE8A	-1.5582407316	0.2085754345	0.9999763851
LOC101929479	-19.2975026899	0.0745445842	0.9999763851
AKAP13	-1.0288844925	0.8577265686	0.9999763851
KLHL25	-1.2518394342	0.4801689335	0.9999763851
NTRK3	1.1566956761	0.4512497748	0.9999763851
MRPL46	1.3380795409	0.0967193209	0.9999763851
MRPS11	1.3920473231	0.0930551005	0.9999763851
DET1	-1.2381588911	0.6404330018	0.9999763851
AEN	1.1946929691	0.2416118021	0.9999763851
ISG20	-2.9373390517	0.0646454926	0.9999763851
ACAN	0	0	0
HAPLN3	3.2356557963	0.5547505991	0.9999763851
MFGE8	-1.0296977446	0.9241841833	0.9999763851

gene_expression_table

ABHD2	-1.1455530671	0.3567952458	0.9999763851
FANCI	1.2835677552	0.4233776346	0.9999763851
POLG	-1.06220127	0.6804538248	0.9999763851
TICRR	-1.0585400835	0.8158426695	0.9999763851
KIF7	-1.4286541955	0.5388886767	0.9999763851
PLIN1	0	0	0
PEX11A	1.8131652995	0.5810863128	0.9999763851
WDR93	0	0	0
MESP1	12.4427966444	0.1869118792	0.9999763851
MESP2	-2.5604817607	0.2733447017	0.9999763851
ANPEP	1.0661557403	0.6502601026	0.9999763851
AP3S2	-1.03283249	0.8696375071	0.9999763851
C15orf38-AP3S2	-10.8385246611	0.1451971321	0.9999763851
ZNF710	-1.0136292866	0.9564018768	0.9999763851
IDH2	-1.1783266727	0.2634830123	0.9999763851
SEMA4B	1.110619294	0.8084943371	0.9999763851
CIB1	1.2575008902	0.1898120354	0.9999763851
GDPGP1	5.4770877341	0.3746135179	0.9999763851
NGRN	1.3937291778	0.0480453227	0.9999763851
ZNF774	9.9624059448	0.2313849172	0.9999763851
IQGAP1	-1.0116379513	0.9351477093	0.9999763851
CRTC3	1.1970287763	0.1762923345	0.9999763851
BLM	1.1012603346	0.6469031147	0.9999763851
FURIN	-1.1145076094	0.4588390473	0.9999763851
FES	1.3053348228	0.2238833712	0.9999763851
MAN2A2	-1.0464334895	0.8526298425	0.9999763851
UNC45A	-1.0985448978	0.5592072739	0.9999763851
HDDC3	1.2034611299	0.3140553555	0.9999763851
RCCD1	-1.1361094306	0.433365491	0.9999763851
PRC1	1.3195044057	0.1089111675	0.9999763851
VPS33B	2.0325084624	0.0978903991	0.9999763851
SV2B	1.4057119189	0.332556999	0.9999763851
SLCO3A1	1.1586293796	0.3517347177	0.9999763851
C15orf32	0	0	0
FAM174B	-3.3667365964	0.0822007356	0.9999763851
CHD2	-1.0365736049	0.8430556635	0.9999763851
RGMA	3.2356557963	0.5547505991	0.9999763851
MCTP2	-1.0579204029	0.8617249193	0.9999763851
NR2F2	1.2801664493	0.2726140955	0.9999763851
IGF1R	1.2115166815	0.3382240344	0.9999763851
LRRC28	-2.2834115981	0.0122441296	0.9999763851
MEF2A	-1.2621672826	0.3073621695	0.9999763851
LYSMD4	2.0798362004	0.0162703516	0.9999763851
ADAMTS17	1.2726068991	0.4108725946	0.9999763851
CERS3	-1.1484927822	0.8523925759	0.9999763851
LINS1	-1.0471396859	0.8899055053	0.9999763851
ASB7	-1.059137913	0.8533191585	0.9999763851
ALDH1A3	-4.2849908816	0.4028453076	0.9999763851
LRRK1	1.1448917872	0.6931854778	0.9999763851

gene_expression_table

CHSY1	1.0577187938	0.7046736059	0.9999763851
VIMP	-1.0571620308	0.7473591819	0.9999763851
SNRPA1	-1.0767428149	0.5999943248	0.9999763851
TM2D3	1.0764353056	0.672074307	0.9999763851
TARSL2	-1.0136338617	0.9550842088	0.9999763851
LOC100128108	-1.3943388833	0.6976327539	0.9999763851
POLR3K	-1.0165584321	0.907206148	0.9999763851
SNRNP25	1.3905933568	0.0851033157	0.9999763851
RHBDF1	3.2356557963	0.5547505991	0.9999763851
MPG	1.0330846715	0.8303231701	0.9999763851
NPRL3	1.2030850339	0.4987779448	0.9999763851
LUC7L	1.9186905814	0.002195	0.9999763851
FAM234A	1.1519953019	0.6665568051	0.9999763851
RGS11	0	0	0
PDIA2	0	0	0
AXIN1	1.5160490518	0.0356339568	0.9999763851
MRPL28	-1.1241765729	0.6294902255	0.9999763851
TMEM8A	1.0831728164	0.7426384802	0.9999763851
NME4	1.1296753348	0.5195929392	0.9999763851
DECR2	2.1439120143	0.0155517712	0.9999763851
RAB11FIP3	1.0805876287	0.8189984717	0.9999763851
CAPN15	1.2643818596	0.3496774341	0.9999763851
NHLRC4	-1.3158816768	0.8203229796	0.9999763851
PIGQ	-2.0848233926	0.085346169	0.9999763851
RAB40C	1.0864762822	0.7471396997	0.9999763851
WFIKK1	18.9337530925	0.1183773971	0.9999763851
C16orf13	-1.0822646173	0.7107952525	0.9999763851
MCRIP2	-1.410614508	0.1195210882	0.9999763851
WDR90	-1.1779247292	0.3855296921	0.9999763851
RHOT2	1.0097721214	0.9588582037	0.9999763851
RHBDL1	-1.258591527	0.7129985657	0.9999763851
STUB1	1.3197891344	0.1162558364	0.9999763851
JMJD8	-2.9668522646	0.0870408888	0.9999763851
WDR24	1.1981701765	0.7240252433	0.9999763851
FBXL16	-1.2483867832	0.553550747	0.9999763851
METR1	1.278271816	0.6339068788	0.9999763851
FAM173A	-1.1163994476	0.705052052	0.9999763851
CCDC78	0	0	0
HAGHL	1.0081732941	0.9782212905	0.9999763851
NARFL	-1.1819151916	0.6365281905	0.9999763851
RPUSD1	-1.0094307391	0.9715711343	0.9999763851
CHTF18	1.0093574677	0.9730114563	0.9999763851
PRR25	-4.2849908816	0.4028453076	0.9999763851
LMF1	-1.0576923102	0.8949890405	0.9999763851
SSTR5	-4.2849908816	0.4028453076	0.9999763851
CACNA1H	0	0	0
TPSB2	-4.2864494036	0.4027150576	0.9999763851
TPSAB1	1.2303080856	0.1909914731	0.9999763851
UBE2I	1.1214247916	0.4717530393	0.9999763851

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TSR3	-1.04213887	0.7861851537	0.9999763851
GNPTG	-1.1917560214	0.4150418815	0.9999763851
UNKL	-1.4417042689	0.3230376368	0.9999763851
C16orf91	-1.1191339506	0.6659416977	0.9999763851
CCDC154	1.1134374935	0.8328927841	0.9999763851
CLCN7	1.1054136073	0.5610658448	0.9999763851
TELO2	1.2528458085	0.3791536574	0.9999763851
IFT140	-2.5785151148	0.0485244425	0.9999763851
TMEM204	5.4776292235	0.3745831165	0.9999763851
CRAMP1	-1.0557782062	0.8464320726	0.9999763851
HN1L	1.2966353491	0.0904506016	0.9999763851
MAPK8IP3	1.2904932202	0.3620531615	0.9999763851
NME3	-1.6821549226	0.4452894633	0.9999763851
MRPS34	1.154830355	0.3175641198	0.9999763851
EME2	0	0	0
SPSB3	1.0921832798	0.7162252386	0.9999763851
NUBP2	1.2248948424	0.3102937786	0.9999763851
HAGH	-1.4095429277	0.1359648251	0.9999763851
FAHD1	1.0138046614	0.9591203708	0.9999763851
MEIOB	0	0	0
HS3ST6	0	0	0
MSRB1	1.2680704053	0.1013902321	0.9999763851
RPL3L	0	0	0
NDUFB10	1.1205990837	0.4729709851	0.9999763851
RPS2	1.3593533714	0.0126147678	0.9999763851
TBL3	1.0020475844	0.9963509966	0.9999763851
NOXO1	-1.3711818216	0.7359931333	0.9999763851
GFER	1.0320381057	0.9368389146	0.9999763851
ZNF598	1.2495188393	0.1168687306	0.9999763851
NPW	0	0	0
NTHL1	1.366244644	0.2286111654	0.9999763851
TSC2	-1.3584939481	0.4661881996	0.9999763851
PKD1	-1.4435428726	0.28968819	0.9999763851
TRAF7	1.1272947192	0.5636399778	0.9999763851
MLST8	-1.1204673359	0.6612891712	0.9999763851
BRICD5	-1.3022505632	0.640124484	0.9999763851
PGP	1.5781216412	0.007961	0.9999763851
E4F1	1.2645775038	0.4059302504	0.9999763851
DNASE1L2	7.7219356627	0.2870682832	0.9999763851
ECI1	1.3182201719	0.1230785016	0.9999763851
RNPS1	1.0701364561	0.6654009185	0.9999763851
ABCA3	1.2896441358	0.3852406677	0.9999763851
CCNF	-1.1142264841	0.5192506212	0.9999763851
C16orf59	1.5854863787	0.0774005772	0.9999763851
TBC1D24	1.0873909459	0.7111290583	0.9999763851
ATP6V0C	1.0273033991	0.839666264	0.9999763851
AMDHD2	1.3252610453	0.3276124255	0.9999763851
CEMP1	1.3281447959	0.3027725563	0.9999763851
PDPK1	-1.1914516084	0.4456902708	0.9999763851

gene_expression_table

KCTD5	-1.1312103628	0.520868247	0.9999763851
PRSS27	-1.3708355312	0.7473175529	0.9999763851
SRRM2	-1.3582543752	0.0188234188	0.9999763851
TCEB2	1.1094274353	0.4753478849	0.9999763851
PRSS41	0	0	0
ZG16B	-2.3209115874	0.4600323819	0.9999763851
PRSS22	0	0	0
FLYWCH2	1.7592136256	0.4466700096	0.9999763851
FLYWCH1	-1.547818952	0.2126747191	0.9999763851
KREMEN2	1.4605855953	0.2388093381	0.9999763851
PAQR4	1.0753630423	0.6569532651	0.9999763851
PKMYT1	18.2197362899	0.1335428821	0.9999763851
CLDN9	7.4933530102	0.2984933196	0.9999763851
TNFRSF12A	-1.3948299892	0.3367272453	0.9999763851
HCFC1R1	-1.0477997223	0.8490439345	0.9999763851
THOC6	-1.4148090745	0.6667649706	0.9999763851
BICDL2	-1.3158816768	0.8203229796	0.9999763851
MMP25	1.3133007328	0.0515846602	0.9999763851
IL32	1.1193375794	0.4635950604	0.9999763851
ZNF213	1.4676600125	0.4961183188	0.9999763851
OR1F1	1.3931546432	0.7805583477	0.9999763851
ZNF200	-1.028224716	0.9367976837	0.9999763851
MEFV	3.2353357581	0.554787377	0.9999763851
ZNF263	1.2751690848	0.465035147	0.9999763851
TIGD7	-1.946360247	0.2368441498	0.9999763851
ZNF75A	1.4444279444	0.2394998052	0.9999763851
ZSCAN32	1.4360936694	0.5558711813	0.9999763851
ZNF174	1.4172262368	0.3767007479	0.9999763851
ZNF597	2.5233645174	0.101584876	0.9999763851
NAA60	1.6011212398	0.0813784656	0.9999763851
CLUAP1	1.3698099455	0.4101006846	0.9999763851
NLRC3	1.6670781462	0.0144887982	0.9999763851
SLX4	1.7360868867	0.2780065091	0.9999763851
DNASE1	1.3150705446	0.0897501219	0.9999763851
TRAP1	2.0878543187	0.240335612	0.9999763851
CREBBP	1.1399191197	0.540262033	0.9999763851
ADCY9	-1.4454723025	0.2757415412	0.9999763851
TFAP4	1.1460204305	0.6640595	0.9999763851
GLIS2	-1.0785703051	0.801579469	0.9999763851
PAM16	-1.1509405224	0.6326677604	0.9999763851
CORO7-PAM16	-54.8867774144	0.0136746322	0.9999763851
CORO7	2.7211475822	0.001237	0.8877123975
DNAJA3	1.1166241625	0.5073435087	0.9999763851
NMRAL1	2.0357182782	0.007023	0.9999763851
HMOX2	1.2626919311	0.1937348116	0.9999763851
CDIP1	1.1912725459	0.4857217854	0.9999763851
C16orf96	-1.1634453187	0.7150725687	0.9999763851
UBALD1	1.2881944537	0.4983693459	0.9999763851
MGRN1	1.2210769515	0.3781611324	0.9999763851

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NUDT16L1	-1.2657109448	0.1575239908	0.9999763851
ANKS3	-1.6534620495	0.2495103305	0.9999763851
ZNF500	1.9573813386	0.1320207215	0.9999763851
SEPT12	0	0	0
SMIM22	5.4770877341	0.3746135179	0.9999763851
ROGDI	-1.2208847101	0.367380131	0.9999763851
GLYR1	1.1740992552	0.3671448411	0.9999763851
UBN1	-1.0270039832	0.8572584245	0.9999763851
SEC14L5	0	0	0
NAGPA	-1.5235019618	0.0804947756	0.9999763851
C16orf89	0	0	0
ALG1	46.8233069212	0.0377462812	0.9999763851
EEF2KMT	-1.1753371232	0.4673938232	0.9999763851
TMEM114	0	0	0
METTL22	-1.8398035576	0.1470699994	0.9999763851
ABAT	-1.0352603217	0.9579358385	0.9999763851
TMEM186	1.0191054807	0.937777144	0.9999763851
PMM2	-1.0970809583	0.6556786632	0.9999763851
CARHSP1	1.0903596638	0.6321925872	0.9999763851
USP7	1.1221343066	0.4258602963	0.9999763851
C16orf72	-1.1933340555	0.2699064436	0.9999763851
ATF7IP2	1.0716525358	0.8072306839	0.9999763851
EMP2	-1.2848646031	0.1926745537	0.9999763851
TEKT5	-7.5622178268	0.2177145568	0.9999763851
NUBP1	1.0435669252	0.8771334749	0.9999763851
TVP23A	0	0	0
CIITA	-1.4077065642	0.6444410636	0.9999763851
DEXI	1.0727743412	0.6180717715	0.9999763851
CLEC16A	1.1514611162	0.592927736	0.9999763851
LOC107984859	3.2353357581	0.554787377	0.9999763851
SOCS1	1.5887888751	0.3277158303	0.9999763851
RMI2	1.0790026953	0.6573504288	0.9999763851
LOC400499	-1.7351751251	0.4560530772	0.9999763851
LITAF	1.1406332842	0.2983596491	0.9999763851
SNN	1.3072077413	0.2359624007	0.9999763851
TXNDC11	1.0787329428	0.8376633331	0.9999763851
ZC3H7A	1.0695218942	0.8214219227	0.9999763851
RSL1D1	1.116342662	0.4532424427	0.9999763851
GSPT1	1.1939219773	0.194238728	0.9999763851
SNX29	-1.0433654426	0.9000943839	0.9999763851
CPPED1	-1.0783837494	0.8137191823	0.9999763851
SHISA9	1.8140611791	0.5843782687	0.9999763851
ERCC4	-1.3808683643	0.378826146	0.9999763851
MKL2	1.0919788133	0.8096981335	0.9999763851
PARN	-1.2092362333	0.403591255	0.9999763851
BFAR	1.0278734383	0.894417184	0.9999763851
PLA2G10	3.3937384616	0.2324742559	0.9999763851
NOMO1	1.039203756	0.8465774872	0.9999763851
NPIPA1	-1.249350536	0.6464093256	0.9999763851

gene_expression_table

PDXDC1	-1.709503123	0.0005209	0.5206160142
NTAN1	-1.0198854673	0.930979823	0.9999763851
RRN3	-1.4127622903	0.048840002	0.9999763851
NPIPA5	-7.5647903763	0.2176246281	0.9999763851
C16orf45	-1.4300348335	0.5354813571	0.9999763851
KIAA0430	-1.8681323242	0.002616	0.9999763851
NDE1	1.1390346241	0.4109388104	0.9999763851
MYH11	-1.4261611759	0.5857172933	0.9999763851
FOPNL	-1.250215949	0.2119122471	0.9999763851
ABCC1	-1.1417350748	0.6237147033	0.9999763851
NOMO3	2.3818235376	0.2353385649	0.9999763851
NPIPA7	-1.4129914544	0.6387901956	0.9999763851
XYLT1	1.3957375972	0.228882788	0.9999763851
NPIPA8	7.7488609396	0.3059379923	0.9999763851
LOC102723728	1.0222936935	0.8636181296	0.9999763851
NOMO2	1.027644744	0.977726264	0.9999763851
RPS15A	1.0053673729	0.963149077	0.9999763851
ARL6IP1	1.1783908529	0.3065891607	0.9999763851
SMG1	1.0123230705	0.9597420893	0.9999763851
COQ7	-1.8158263248	0.2088892072	0.9999763851
ITPRIPL2	-1.1242300002	0.8483581398	0.9999763851
SYT17	-4.2864494036	0.4027150576	0.9999763851
TMC5	1.6243491221	0.5671682172	0.9999763851
GDE1	1.0658568849	0.6668607039	0.9999763851
CCP110	-1.0468046711	0.8372220359	0.9999763851
C16orf62	-1.2572963427	0.3142199126	0.9999763851
KNOP1	-1.0974585998	0.6550976306	0.9999763851
IQCK	1.1908637081	0.8036880892	0.9999763851
GPRC5B	2.3407592913	0.4264645427	0.9999763851
ACSM5	0	0	0
ACSM1	-4.2849908816	0.4028453076	0.9999763851
THUMPD1	1.236387244	0.265591576	0.9999763851
ACSM3	0	0	0
ERI2	1.0035685331	0.9893075266	0.9999763851
LOC81691	1.1443480656	0.7389554061	0.9999763851
DCUN1D3	-1.3622162529	0.437935214	0.9999763851
LYRM1	1.0632691158	0.8219976702	0.9999763851
TMEM159	-1.6303129344	0.293061738	0.9999763851
CRYM	0	0	0
NPIP3	0	0	0
METTL9	1.4043451064	0.0190263261	0.9999763851
OTOA	-1.0351581998	0.9578210637	0.9999763851
UQCRC2	-1.0060444589	0.9684350326	0.9999763851
PDZD9	5.4770877341	0.3746135179	0.9999763851
C16orf52	1.2556219454	0.4527397015	0.9999763851
VWA3A	-4.2849908816	0.4028453076	0.9999763851
SDR42E2	0	0	0
EEF2K	-1.0750102471	0.6986637985	0.9999763851
POLR3E	1.3607879792	0.182809921	0.9999763851

gene_expression_table

CDR2	1.6377558733	0.0507530284	0.9999763851
NPIPB5	-1.5561499223	0.2237663546	0.9999763851
LOC107984851	10.231382017	0.2261759961	0.9999763851
HS3ST2	1.0623586752	0.7971252751	0.9999763851
USP31	-1.2346620905	0.4159489864	0.9999763851
COG7	-1.0865877167	0.8072712281	0.9999763851
GGA2	-1.1851574011	0.3421985886	0.9999763851
EARS2	-1.4014576459	0.321075952	0.9999763851
UBFD1	-1.5901305471	0.0651096642	0.9999763851
NDUFAB1	1.0617126774	0.6474379872	0.9999763851
PALB2	-1.1107403175	0.719691592	0.9999763851
DCTN5	-1.052809328	0.7991346401	0.9999763851
PLK1	-1.0498230818	0.7704871316	0.9999763851
PRKCB	1.0512573724	0.6919716922	0.9999763851
RBBP6	-1.2086489254	0.1983663808	0.9999763851
TNRC6A	1.0365424575	0.8379281788	0.9999763851
SLC5A11	-4.3352959826	0.1433550293	0.9999763851
ARHGAP17	1.141277847	0.6111652593	0.9999763851
LCMT1	1.2792434359	0.365211968	0.9999763851
ZKSCAN2	-2.0563269266	0.3431899436	0.9999763851
HS3ST4	1.0271487798	0.9778343721	0.9999763851
KDM8	-1.0543030667	0.9163413891	0.9999763851
NSMCE1	1.0284273312	0.8858595052	0.9999763851
IL4R	1.0651160478	0.688300917	0.9999763851
IL21R	-1.5329190378	0.5267840422	0.9999763851
GTF3C1	-1.012673157	0.9493973703	0.9999763851
KIAA0556	-1.2781210127	0.7682070384	0.9999763851
GSG1L	0	0	0
XPO6	1.0710867194	0.7037754626	0.9999763851
SBK1	2.2735484122	0.0757901906	0.9999763851
NPIPB6	14.3882523344	0.1834756444	0.9999763851
EIF3CL	1.0002235821	0.9991794598	0.9999763851
CLN3	1.1643219308	0.4508234884	0.9999763851
APOBR	-1.2335633808	0.4575807767	0.9999763851
IL27	5.4790129495	0.376569852	0.9999763851
NUPR1	3.2356557963	0.5547505991	0.9999763851
SGF29	-1.1984251502	0.5241615395	0.9999763851
SULT1A2	0	0	0
SULT1A1	-1.2627066896	0.1517417558	0.9999763851
NPIPB8	0	0	0
EIF3C	1.9803336519	0.007139	0.9999763851
NPIPB9	1.2396974231	0.7289048746	0.9999763851
ATXN2L	-1.1419585324	0.5345814203	0.9999763851
TUFM	-1.1133651351	0.4104598314	0.9999763851
SH2B1	1.1765503364	0.4654682002	0.9999763851
ATP2A1	1.2744858108	0.4980689778	0.9999763851
RABEP2	1.1445056083	0.7561803815	0.9999763851
CD19	1.0757570521	0.8767986127	0.9999763851
NFATC2IP	-1.2533248505	0.2699235424	0.9999763851

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SPNS1	1.4652718213	0.3390014976	0.9999763851
LAT	-1.405180248	0.1043476394	0.9999763851
LOC107984832	-1.0874314895	0.8222602559	0.9999763851
NPIPB11	-1.3581901144	0.5199396722	0.9999763851
BOLA2-SMG1P6	-1.0046112753	0.9808492816	0.9999763851
BOLA2	1.2905287366	0.2590561076	0.9999763851
SLX1B	1.158290244	0.5743977522	0.9999763851
SULT1A4	-2.1237124164	0.1138711062	0.9999763851
SPN	-1.007605927	0.9639982709	0.9999763851
QPRT	-1.0334370292	0.8304858742	0.9999763851
C16orf54	1.471094976	0.2137934358	0.9999763851
KIF22	1.2275450497	0.3010181947	0.9999763851
MAZ	-1.2125697723	0.2437650282	0.9999763851
PRRT2	3.2356557963	0.5547505991	0.9999763851
PAGR1	-1.2002296341	0.2380425159	0.9999763851
MVP	-1.2837924324	0.7540149713	0.9999763851
CDIPT	1.1521562548	0.5019422052	0.9999763851
SEZ6L2	-1.7051915203	0.020358759	0.9999763851
ASPHD1	-1.0053000015	0.9917008245	0.9999763851
KCTD13	1.1061700908	0.7684962146	0.9999763851
TMEM219	-1.3309675751	0.1176341303	0.9999763851
TAOK2	-1.2582927336	0.5581329347	0.9999763851
HIRIP3	1.6501236438	0.0996907815	0.9999763851
INO80E	1.7161788927	0.2779766859	0.9999763851
DOC2A	-1.1616645801	0.5846330003	0.9999763851
C16orf92	0	0	0
ALDOA	-1.0692696351	0.6253106041	0.9999763851
PPP4C	-1.4405208139	0.182202088	0.9999763851
TBX6	1.8136032532	0.5931965901	0.9999763851
YPEL3	1.0875204518	0.8524940683	0.9999763851
GDPD3	1.1707681772	0.6575169146	0.9999763851
MAPK3	1.1039763567	0.6879721207	0.9999763851
CORO1A	1.2938710133	0.0404992847	0.9999763851
BOLA2B	1.3977108366	0.1349232907	0.9999763851
SLX1A	1.1399060968	0.6403113486	0.9999763851
SULT1A3	2.8642644956	0.0574470559	0.9999763851
LOC613037	-3.2709536258	0.1436203394	0.9999763851
CD2BP2	-1.0017322143	0.993774963	0.9999763851
TBC1D10B	1.0741491662	0.7935623449	0.9999763851
MYLPP	-1.0167501853	0.9768439533	0.9999763851
SEPT1	-1.7725705758	0.2892585841	0.9999763851
ZNF48	-1.1072837095	0.7074698057	0.9999763851
ZNF771	-1.9776151526	0.1205691429	0.9999763851
DCTPP1	1.3647147032	0.0416363252	0.9999763851
SEPHS2	1.2780659236	0.0830553176	0.9999763851
ITGAL	1.0732754703	0.7658399804	0.9999763851
ZNF768	-1.0579207406	0.7868301349	0.9999763851
ZNF747	-1.1650784505	0.8440812259	0.9999763851
ZNF764	-1.0861299175	0.8714928775	0.9999763851

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ZNF688	-1.4318485396	0.5083015153	0.9999763851
ZNF785	-2.2054783554	0.1352122226	0.9999763851
ZNF689	1.2046670653	0.5122284892	0.9999763851
PRR14	1.3066994432	0.3350393634	0.9999763851
FBR5	1.7218443259	0.0217179631	0.9999763851
LOC730183	-2.2385982899	0.2960934568	0.9999763851
SRCAP	1.0752626087	0.8651516287	0.9999763851
TMEM265	2.3083799844	0.1549062382	0.9999763851
PHKG2	1.1678783373	0.7064204423	0.9999763851
CCDC189	-1.4910755477	0.2852526381	0.9999763851
RNF40	1.60132526	0.0383232778	0.9999763851
ZNF629	-1.0296909279	0.9336641585	0.9999763851
BCL7C	-1.5281672709	0.1395671118	0.9999763851
CTF1	0	0	0
FBXL19	-1.1774901235	0.5689535814	0.9999763851
ORAI3	-1.2465002924	0.3229889699	0.9999763851
SETD1A	-1.4289230219	0.1010017143	0.9999763851
HSD3B7	-4.2849908816	0.4028453076	0.9999763851
STX4	1.0228608943	0.912623003	0.9999763851
ZNF668	-1.1247852448	0.7773221481	0.9999763851
ZNF646	1.3241637928	0.4750385688	0.9999763851
PRSS53	1.2867653957	0.8300179538	0.9999763851
VKORC1	1.0027937231	0.9857212161	0.9999763851
BCKDK	1.3153126416	0.2809663169	0.9999763851
KAT8	1.0492086771	0.8197177097	0.9999763851
PRSS36	3.2361532718	0.5546934395	0.9999763851
FUS	1.3212793553	0.0390303837	0.9999763851
PYCARD	-1.1131203687	0.6188824606	0.9999763851
ITGAM	1.0291407439	0.926893828	0.9999763851
ITGAX	-2.8468892561	0.0268812909	0.9999763851
ITGAD	-4.2849908816	0.4028453076	0.9999763851
ARMC5	1.3124769122	0.1393597552	0.9999763851
TGFB1I1	-1.2767981988	0.6536366834	0.9999763851
SLC5A2	-1.4185994118	0.1694242056	0.9999763851
C16orf58	7.6089345734	0.0381452559	0.9999763851
ZNF720	1.5251117717	0.2776037019	0.9999763851
ZNF267	-1.6621400061	0.0647704893	0.9999763851
SHCBP1	-1.0568975437	0.7643891364	0.9999763851
VPS35	1.3143900426	0.0630622114	0.9999763851
ORC6	1.06593017	0.7552700535	0.9999763851
C16orf87	1.8604390903	0.1907744327	0.9999763851
GPT2	-1.2132523032	0.2222077888	0.9999763851
DNAJA2	1.2692492838	0.2802859784	0.9999763851
NETO2	-1.3001100519	0.29413876	0.9999763851
ITFG1	-1.1835122402	0.328392921	0.9999763851
PHKB	1.4679355433	0.1131607932	0.9999763851
ABCC11	-4.2849908816	0.4028453076	0.9999763851
LONP2	1.2716409777	0.2289855293	0.9999763851
SIAH1	-1.3042104128	0.3015585315	0.9999763851

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N4BP1	1.148449662	0.5655659713	0.9999763851
CNEP1R1	-1.0355551732	0.9614598426	0.9999763851
HEATR3	1.2828776604	0.1838657094	0.9999763851
PAPD5	1.0613876049	0.7642755019	0.9999763851
ADCY7	1.0212958619	0.9319620858	0.9999763851
BRD7	1.0090391145	0.9517377319	0.9999763851
NKD1	-1.5730895081	0.49983691	0.9999763851
SNX20	-1.3570916218	0.4839550286	0.9999763851
NOD2	1.3420325123	0.6975998781	0.9999763851
CYLD	-1.0644237681	0.8225274063	0.9999763851
CHD9	-1.0385032728	0.8727509631	0.9999763851
LOC643802	3.2356557963	0.5547505991	0.9999763851
RBL2	-1.0983280931	0.7759953984	0.9999763851
AKTIP	-1.1966685147	0.6178015989	0.9999763851
RPGRIP1L	1.7962512653	0.2964238608	0.9999763851
FTO	1.1076976324	0.6107027743	0.9999763851
IRX3	-1.2670355964	0.2116743639	0.9999763851
CRNDE	1.0177227776	0.9257644365	0.9999763851
IRX5	1.0625249051	0.897368082	0.9999763851
MMP2	-1.6884118522	0.2189759046	0.9999763851
LPCAT2	-1.2131434911	0.3433990505	0.9999763851
CES1	-1.2519275495	0.2353195657	0.9999763851
AMFR	-1.0501479855	0.8498767415	0.9999763851
NUDT21	-1.2409161599	0.2490331997	0.9999763851
OGFOD1	1.5550603304	0.0397643384	0.9999763851
BBS2	1.2047897185	0.446038062	0.9999763851
MT2A	1.112490146	0.4849809333	0.9999763851
MT1E	-1.317161512	0.0845050407	0.9999763851
MT1F	1.0299718578	0.9137329146	0.9999763851
MT1G	1.132070048	0.4667125107	0.9999763851
MT1X	-1.3393974676	0.2532686854	0.9999763851
NUP93	1.1158054623	0.4148978972	0.9999763851
HERPUD1	-1.0280014612	0.8896518339	0.9999763851
CETP	0	0	0
NLRC5	-1.2394438584	0.2840613238	0.9999763851
CPNE2	1.0264769189	0.9022498335	0.9999763851
FAM192A	1.1289990301	0.5710400258	0.9999763851
RSPRY1	1.4028746246	0.2961345335	0.9999763851
ARL2BP	-1.6968818127	0.032004934	0.9999763851
CCL22	3.2356557963	0.5547505991	0.9999763851
CCL17	0	0	0
CIAPIN1	1.1319494705	0.597012216	0.9999763851
COQ9	1.1159689206	0.7712865204	0.9999763851
POLR2C	-1.1053704912	0.5915616434	0.9999763851
DOK4	-1.3625919741	0.4346640864	0.9999763851
CCDC102A	1.4559388088	0.4565764204	0.9999763851
ADGRG5	1.2254274439	0.7467288428	0.9999763851
ADGRG1	0	0	0
ADGRG3	-3.0007254032	0.0622552446	0.9999763851

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KATNB1	1.3766737223	0.2284758319	0.9999763851
KIFC3	16.6918753579	0.1320089484	0.9999763851
CNGB1	5.4781708352	0.3745527127	0.9999763851
ZNF319	1.6276641846	0.2246328247	0.9999763851
USB1	1.1773118019	0.3920911698	0.9999763851
MMP15	1.367312239	0.467678077	0.9999763851
CFAP20	1.0338112889	0.8412422474	0.9999763851
CSNK2A2	-1.1869734549	0.3030477501	0.9999763851
CCDC113	1.2869488883	0.821092998	0.9999763851
PRSS54	-1.3714374731	0.7332709577	0.9999763851
GIN3	1.2689990134	0.2909128651	0.9999763851
NDRG4	3.1827248461	0.1129407392	0.9999763851
SETD6	-1.0684586477	0.7544828105	0.9999763851
CNOT1	1.0845163416	0.6179082097	0.9999763851
SLC38A7	1.5890074071	0.4231488651	0.9999763851
GOT2	1.1739130499	0.2831761744	0.9999763851
BEAN1	-4.2849908816	0.4028453076	0.9999763851
TK2	-1.4148698791	0.4021213002	0.9999763851
CKLF	-1.2739843359	0.1066837763	0.9999763851
CMTM1	-1.6644409499	0.0611960983	0.9999763851
CMTM2	3.2356557963	0.5547505991	0.9999763851
CMTM4	-1.2509437445	0.4500849279	0.9999763851
CMTM3	1.4596957905	0.0215056788	0.9999763851
DYNC1LI2	1.0277188775	0.9053577794	0.9999763851
TERB1	0	0	0
NAE1	1.1491538314	0.3591858936	0.9999763851
PDP2	1.1276351151	0.5607630168	0.9999763851
RRAD	0	0	0
FAM96B	1.1893246022	0.3036379211	0.9999763851
CES2	1.1652777522	0.5260152044	0.9999763851
CES3	1.164363665	0.7454379348	0.9999763851
CES4A	3.2353357581	0.554787377	0.9999763851
CBFB	1.2792720509	0.1608033682	0.9999763851
C16orf70	-1.4276067727	0.5506213428	0.9999763851
B3GNT9	1.0159553944	0.9674854292	0.9999763851
TRADD	1.1186688471	0.725177035	0.9999763851
FBXL8	5.4781708352	0.3745527127	0.9999763851
NOL3	-1.0872048538	0.8636920486	0.9999763851
KIAA0895L	2.1207130064	0.1438653947	0.9999763851
EXOC3L1	0	0	0
E2F4	1.1476882968	0.4056008269	0.9999763851
ELMO3	-1.0362251892	0.9602994275	0.9999763851
LRRC29	0	0	0
LOC105369155	-3.3272796812	0.2424955191	0.9999763851
TMEM208	1.0594206605	0.7820243101	0.9999763851
FHOD1	-1.1158591381	0.4692712154	0.9999763851
SLC9A5	1.0955921063	0.8993695964	0.9999763851
PLEKHG4	1.054664986	0.8204331037	0.9999763851
KCTD19	-8.342239448	0.2147985685	0.9999763851

gene_expression_table

LRRC36	3.2356557963	0.5547505991	0.9999763851
TPPP3	3.2356557963	0.5547505991	0.9999763851
ATP6V0D1	-1.2368112955	0.4975663831	0.9999763851
AGRP	-4.2849908816	0.4028453076	0.9999763851
FAM65A	-1.1355325181	0.6262530807	0.9999763851
LOC107984813	0	0	0
CTCF	1.1783612825	0.3774134623	0.9999763851
CARMIL2	-4.2849908816	0.4028453076	0.9999763851
ACD	-1.1036621065	0.7235580681	0.9999763851
PAR6A	1.3829444468	0.6360363249	0.9999763851
ENKD1	-1.1461750681	0.6420011317	0.9999763851
C16orf86	-1.3154339304	0.8205576571	0.9999763851
GFOD2	1.0594645413	0.8311543128	0.9999763851
RANBP10	-1.3408992778	0.1871054102	0.9999763851
TSNAXIP1	-1.1982896796	0.2170494683	0.9999763851
CENPT	-1.5141799262	0.3173209968	0.9999763851
THAP11	-1.0406045361	0.8065582985	0.9999763851
NUTF2	-1.0779157431	0.7059793302	0.9999763851
EDC4	-1.0809745187	0.6156161	0.9999763851
NRN1L	1.2872739558	0.8229961387	0.9999763851
PSKH1	-1.2446907532	0.3015177265	0.9999763851
CTRL	1.1081639824	0.7318903874	0.9999763851
PSMB10	1.0724592139	0.6905621261	0.9999763851
LCAT	-2.3209115874	0.4596723125	0.9999763851
SLC12A4	-1.4304003311	0.569588286	0.9999763851
DPEP2	-1.9306444188	0.3794725725	0.9999763851
DDX28	1.2702395184	0.2802455181	0.9999763851
DUS2	1.4070953692	0.3175209247	0.9999763851
NFATC3	-1.1139346016	0.4683715147	0.9999763851
ESRP2	-1.0208803598	0.9124381823	0.9999763851
PLA2G15	-1.6496225342	0.0884417053	0.9999763851
SLC7A6	1.4286998782	0.2351809258	0.9999763851
SLC7A6OS	-1.0460045128	0.8744731485	0.9999763851
PRMT7	-1.0275940386	0.9217410347	0.9999763851
SMPD3	1.041027979	0.9582907678	0.9999763851
ZFP90	1.4060713105	0.3666968526	0.9999763851
CDH3	9.0182935529	0.2609674114	0.9999763851
CDH1	0	0	0
TANGO6	-1.0877352973	0.8348999467	0.9999763851
HAS3	1.1562207354	0.3747441924	0.9999763851
CHTF8	-2.2066914541	0.3421276514	0.9999763851
UTP4	1.8725298335	0.003185	0.9999763851
SNTB2	-1.7037707755	0.2002314089	0.9999763851
VPS4A	-1.127281704	0.4877933072	0.9999763851
PDF	1.084201425	0.6517830251	0.9999763851
COG8	1.512982915	0.3749393992	0.9999763851
NIP7	1.2150079594	0.4030261025	0.9999763851
TMED6	-1.7383115404	0.2659013851	0.9999763851
TERF2	1.0075482427	0.9662086143	0.9999763851

gene_expression_table

CYB5B	1.0300475451	0.8775579876	0.9999763851
NFAT5	-1.1474882311	0.5644548571	0.9999763851
NQO1	1.1104434052	0.5333787769	0.9999763851
NOB1	1.0917219753	0.6235660186	0.9999763851
WWP2	-1.0528262407	0.7736859843	0.9999763851
PDPR	-1.0371000208	0.8685895746	0.9999763851
CLEC18C	5.4776292235	0.3745831165	0.9999763851
LOC107984138	1.2847127328	0.3830454116	0.9999763851
EXOSC6	1.0337016061	0.8905187403	0.9999763851
AARS	1.0218976378	0.9212748614	0.9999763851
DDX19B	1.9282328564	0.044682014	0.9999763851
DDX19A	1.3915109285	0.1063380268	0.9999763851
ST3GAL2	-1.5861199845	0.0630002649	0.9999763851
FUK	1.4582509317	0.3118333737	0.9999763851
COG4	-1.2354058875	0.587670106	0.9999763851
SF3B3	1.1521447994	0.385888672	0.9999763851
IL34	3.2353357581	0.554787377	0.9999763851
MTSS1L	5.4776292235	0.3745831165	0.9999763851
VAC14	-1.3977241544	0.3241088061	0.9999763851
HYDIN	-2.9413009608	0.1738340989	0.9999763851
CMTR2	1.3298922017	0.3447550053	0.9999763851
ZNF23	-2.4440355816	0.4429677948	0.9999763851
TAT	0	0	0
MARVELD3	0	0	0
PHLPP2	1.0882934963	0.8549309515	0.9999763851
AP1G1	-1.4542722784	0.0761787373	0.9999763851
ATXN1L	-1.0432573948	0.8964668994	0.9999763851
ZNF821	-2.1524685389	0.0416364764	0.9999763851
IST1	1.0485181386	0.7481576976	0.9999763851
PKD1L3	5.4770877341	0.3746135179	0.9999763851
DHODH	1.2405841432	0.3982637473	0.9999763851
TXNL4B	1.0337503277	0.9353428307	0.9999763851
HP	-1.620272684	0.4305429354	0.9999763851
HPR	0	0	0
DHX38	-1.1306646719	0.5021436339	0.9999763851
PMFBP1	1.027554661	0.9756370564	0.9999763851
LOC107984814	-7.5622178268	0.2177145568	0.9999763851
ZFH3	-1.1945980561	0.2965049	0.9999763851
PSMD7	1.0866327228	0.5756408936	0.9999763851
NPIP15	-1.9285516304	0.4974475048	0.9999763851
CLEC18B	0	0	0
GLG1	-1.0630873983	0.6628587521	0.9999763851
RFWD3	-1.1222519806	0.5285949729	0.9999763851
MLKL	1.4444564486	0.2010852286	0.9999763851
FA2H	5.4776292235	0.3745831165	0.9999763851
WDR59	-1.5758582453	0.1001297294	0.9999763851
ZNRF1	1.2331864921	0.2985334421	0.9999763851
LDHD	-4.2849908816	0.4028453076	0.9999763851
ZFP1	2.5902663417	0.1883429208	0.9999763851

gene_expression_table

CFDP1	-1.1065122731	0.6185594296	0.9999763851
TMEM170A	1.2016783547	0.4905421418	0.9999763851
CHST5	-1.3158816768	0.8203229797	0.9999763851
TMEM231	-2.2871333017	0.1127327287	0.9999763851
GABARAPL2	-1.0880431678	0.5799621223	0.9999763851
ADAT1	1.1201594825	0.6872012934	0.9999763851
KARS	1.1477100849	0.3407732386	0.9999763851
TERF2IP	-1.0002069302	0.9988252984	0.9999763851
CNTNAP4	1.0981889172	0.7314521061	0.9999763851
MON1B	2.6013599918	0.2508681234	0.9999763851
SYCE1L	1.0350683151	0.8534258609	0.9999763851
ADAMTS18	0	0	0
NUDT7	1.0895551508	0.8552430632	0.9999763851
VAT1L	0	0	0
WVOX	-1.1440753219	0.4223930498	0.9999763851
DYNLRB2	0	0	0
CDYL2	-1.2838111839	0.3620566672	0.9999763851
CMC2	1.3325414652	0.2186226989	0.9999763851
CENPN	-1.1122291502	0.7345284208	0.9999763851
ATMIN	1.2744846658	0.2684639782	0.9999763851
C16orf46	1.3505403582	0.6843337746	0.9999763851
GCSH	1.0947926752	0.6365138581	0.9999763851
PKD1L2	0	0	0
BCO1	3.2353357581	0.554787377	0.9999763851
GAN	-2.196793761	0.0988727129	0.9999763851
CMIP	-1.1129042172	0.5341615109	0.9999763851
PLCG2	-1.1751889714	0.3603480324	0.9999763851
HSD17B2	0	0	0
MPHOSPH6	1.0630453121	0.6805983626	0.9999763851
HSBP1	1.09707018	0.5160321205	0.9999763851
MLYCD	1.0645599416	0.839359949	0.9999763851
LOC105371371	-1.3154339304	0.8205576571	0.9999763851
OSGIN1	1.1853645663	0.7830833345	0.9999763851
NECAB2	0	0	0
MBTPS1	1.1844574891	0.3504294451	0.9999763851
HSDL1	1.0312683987	0.9048830426	0.9999763851
DNAAF1	3.2353357581	0.554787377	0.9999763851
TAF1C	-1.0108914973	0.9619176432	0.9999763851
KCNG4	0	0	0
WFDC1	-1.2865931055	0.7364990454	0.9999763851
ATP2C2	-2.3893004408	0.2387205476	0.9999763851
TLDC1	-1.8724972875	0.1626913659	0.9999763851
COTL1	-1.1180082884	0.3495379183	0.9999763851
KLHL36	-1.0578326959	0.7688221933	0.9999763851
USP10	1.0207891179	0.9019607456	0.9999763851
ZDHHC7	1.0752308913	0.6251397585	0.9999763851
KIAA0513	-1.554288553	0.3423427355	0.9999763851
GSE1	-1.2811436126	0.2763045468	0.9999763851
GINS2	1.0647384453	0.6896858851	0.9999763851

gene_expression_table

C16orf74	-1.1999599755	0.2540986074	0.9999763851
EMC8	1.1746422046	0.339171823	0.9999763851
COX4I1	1.2609797481	0.0718006453	0.9999763851
IRF8	-1.8692701989	0.102096509	0.9999763851
FOXF1	-1.2762952295	0.669588532	0.9999763851
MTHFSD	1.1818304825	0.5301502246	0.9999763851
FOXL1	0	0	0
C16orf95	-1.21567076	0.5518037188	0.9999763851
FBXO31	-1.3566039499	0.2427074331	0.9999763851
MAP1LC3B	1.0182129829	0.9148772218	0.9999763851
ZCCHC14	-1.368381082	0.2511384251	0.9999763851
KLHDC4	1.1529184678	0.5882618517	0.9999763851
LOC105371397	0	0	0
SLC7A5	-1.0806116659	0.7009602738	0.9999763851
CA5A	-4.2849908816	0.4028453076	0.9999763851
BANP	-1.5221452646	0.1348481309	0.9999763851
LOC107984862	0	0	0
ZNF469	-1.8727248054	0.3026340166	0.9999763851
ZFPM1	5.8993332406	0.0789660619	0.9999763851
ZC3H18	1.2228940656	0.361211411	0.9999763851
CYBA	1.5142168573	0.1690943423	0.9999763851
MVD	1.1058210883	0.615690914	0.9999763851
SNAI3	-1.047573144	0.8822422776	0.9999763851
RNF166	-1.3385991307	0.1353656807	0.9999763851
CTU2	1.0561722097	0.8522571444	0.9999763851
PIEZO1	-1.202551081	0.3527691277	0.9999763851
CDT1	1.0430994381	0.8177790142	0.9999763851
APRT	1.0517268197	0.7356044131	0.9999763851
GALNS	-1.3550833716	0.2535111902	0.9999763851
TRAPPC2L	1.0511554219	0.7926974051	0.9999763851
PABPN1L	-7.5664585246	0.2257565985	0.9999763851
CBFA2T3	1.0347578143	0.8906405406	0.9999763851
LOC100129697	0	0	0
ACSF3	2.0365389983	0.0966431959	0.9999763851
CDH15	-4.2864494036	0.4027150576	0.9999763851
ZNF778	1.1833479949	0.7221336636	0.9999763851
ANKRD11	1.0935009085	0.5305311692	0.9999763851
LOC100287036	-4.2849908816	0.4028453076	0.9999763851
SPG7	1.1649467242	0.4438074421	0.9999763851
RPL13	-1.0331751359	0.7834245229	0.9999763851
CPNE7	-1.3765878235	0.2430668564	0.9999763851
DPEP1	1.6135829349	0.0231730331	0.9999763851
CHMP1A	-1.2107723729	0.2697813648	0.9999763851
SPATA33	-1.008394933	0.9806441135	0.9999763851
CDK10	-1.0434279787	0.8531638765	0.9999763851
SPATA2L	1.027554661	0.9756469146	0.9999763851
VPS9D1	1.4260670756	0.4259126361	0.9999763851
ZNF276	1.0563761465	0.804768624	0.9999763851
FANCA	1.2344847171	0.4670237474	0.9999763851

gene_expression_table

SPIRE2	-1.9652419871	0.4566429162	0.9999763851
LOC105371419	3.2353357581	0.554787377	0.9999763851
TCF25	-1.0452663996	0.7443533772	0.9999763851
MC1R	1.1805116415	0.8039812948	0.9999763851
TUBB3	1.1202669996	0.6967485496	0.9999763851
DEF8	1.0034782893	0.9863238104	0.9999763851
CENPBD1	1.6049013466	0.4086307377	0.9999763851
DBNDD1	1.6703467261	0.4625480201	0.9999763851
GAS8	1.8750770526	0.25604441	0.9999763851
RPH3AL	-2.1310892017	0.1502195489	0.9999763851
C17orf97	-1.3155492632	0.8260459548	0.9999763851
FAM101B	1.2449563557	0.0848566964	0.9999763851
VPS53	-1.0357656165	0.8557482009	0.9999763851
FAM57A	1.166470252	0.4854253603	0.9999763851
GEMIN4	1.4043185766	0.0531386179	0.9999763851
GLOD4	-1.0378436564	0.8799919122	0.9999763851
MRM3	1.4163066528	0.2780719106	0.9999763851
NXN	-1.0356702413	0.8705022513	0.9999763851
TIMM22	1.1659395787	0.5507184626	0.9999763851
ABR	1.2889550051	0.1144442003	0.9999763851
TUSC5	0	0	0
YWHAЕ	1.1377347436	0.3268336829	0.9999763851
CRK	1.2938234034	0.2997366351	0.9999763851
MYO1C	1.2382051676	0.610298108	0.9999763851
INPP5K	1.4795907957	0.3450579579	0.9999763851
PITPNA	-1.2016837152	0.2384417492	0.9999763851
SLC43A2	1.3417513497	0.1007281925	0.9999763851
SCARF1	1.2910285137	0.5964736895	0.9999763851
RILP	-3.9975329737	0.1323617233	0.9999763851
PRPF8	-1.0898250667	0.5755031603	0.9999763851
TLCD2	3.2353357581	0.554787377	0.9999763851
WDR81	2.4020525162	0.0450870124	0.9999763851
SERPINF1	1.5509282945	0.6031372669	0.9999763851
SMYD4	-1.0469642615	0.9029572353	0.9999763851
RPA1	1.1043769593	0.4875694741	0.9999763851
RTN4RL1	-2.2967284599	0.279282876	0.9999763851
DPH1	1.8136231599	0.5627419009	0.9999763851
OVCA2	1.6213132362	0.004871	0.9999763851
HIC1	1.0295394469	0.9676292791	0.9999763851
SMG6	1.1884806434	0.4201353894	0.9999763851
LOC107984987	5.4784711963	0.3745358536	0.9999763851
SRR	1.1220936442	0.4406922342	0.9999763851
TSR1	-1.6616773163	0.0659998913	0.9999763851
SGSM2	1.2062089301	0.3646613886	0.9999763851
MNT	1.5047239003	0.1228827216	0.9999763851
METTL16	1.0307646113	0.91040169	0.9999763851
PAFAH1B1	1.0055129112	0.9691172034	0.9999763851
CLUH	-1.0873310146	0.6014845777	0.9999763851
RAP1GAP2	-1.0400675265	0.8700522583	0.9999763851

gene_expression_table

OR3A2	0	0	0
OR3A1	-4.2849908816	0.4028453076	0.9999763851
TRPV3	7.7192231741	0.2782707334	0.9999763851
TRPV1	2.3578986999	0.3419975027	0.9999763851
SHPK	-1.7263681129	0.3312162762	0.9999763851
CTNS	1.2726668757	0.5634864189	0.9999763851
TAX1BP3	-1.0623828521	0.8352751541	0.9999763851
EMC6	1.1224892719	0.4445429565	0.9999763851
P2RX5	1.9045919035	0.0182425713	0.9999763851
ITGAE	-1.0371829675	0.8363048652	0.9999763851
GSG2	25.650992429	0.0841903384	0.9999763851
NCBP3	1.1467551549	0.5236532407	0.9999763851
CAMKK1	-1.3608741329	0.3253583551	0.9999763851
P2RX1	-1.1599215708	0.5869484827	0.9999763851
ATP2A3	1.3184397896	0.0806087399	0.9999763851
ZZEF1	-1.0322618059	0.9097578017	0.9999763851
CYB5D2	1.7806067509	0.2556717637	0.9999763851
ANKFY1	-1.2710074703	0.1573456451	0.9999763851
UBE2G1	1.3458858674	0.0435697936	0.9999763851
SPNS3	-1.3332616972	0.2529690736	0.9999763851
SPNS2	-1.587874259	0.1841104925	0.9999763851
MYBBP1A	1.5177144553	0.021705639	0.9999763851
GGT6	0	0	0
ALOX15	0	0	0
PELP1	1.2444255102	0.3915263939	0.9999763851
ARRB2	1.067660055	0.6437414324	0.9999763851
MED11	2.7752654288	0.0358051927	0.9999763851
CXCL16	-4.3450459626	0.0778003224	0.9999763851
VMO1	2.2182046909	0.3722715638	0.9999763851
GLTPD2	0	0	0
PSMB6	1.3700853553	0.0620544435	0.9999763851
LOC107984973	3.2356557963	0.5547505991	0.9999763851
PLD2	-1.1962473193	0.7840961715	0.9999763851
MINK1	-1.4168415622	0.6037121917	0.9999763851
CHRNE	3.2356557963	0.5547505991	0.9999763851
GP1BA	0	0	0
SLC25A11	1.4034914671	0.0709150967	0.9999763851
RNF167	-1.1076181067	0.6567974638	0.9999763851
PFN1	-1.1117907055	0.3985500119	0.9999763851
ENO3	-1.2573057306	0.7191499136	0.9999763851
SPAG7	-1.494661231	0.007849	0.9999763851
CAMTA2	-1.315575163	0.3235854627	0.9999763851
INCA1	-1.7867779362	0.2303716025	0.9999763851
KIF1C	-1.1943066477	0.2027356947	0.9999763851
RABEP1	1.1063010599	0.6249159724	0.9999763851
NUP88	1.1182429931	0.5858219518	0.9999763851
RPAIN	1.001790201	0.9929530304	0.9999763851
C1QBP	1.0748440441	0.656471164	0.9999763851
DHX33	-1.208778901	0.3953986611	0.9999763851

gene_expression_table

DERL2	1.2309232496	0.4047618484	0.9999763851
MIS12	1.8154932902	0.0428756917	0.9999763851
LOC728392	0	0	0
NLRP1	-7.5622178268	0.2177145568	0.9999763851
FAM64A	1.0251087726	0.9030937961	0.9999763851
PITPNM3	3.2353357581	0.554787377	0.9999763851
KIAA0753	-2.2682534019	0.0752763358	0.9999763851
TXNDC17	1.149510245	0.3435900249	0.9999763851
MED31	2.3487446974	0.0230111655	0.9999763851
C17orf100	-1.3158816768	0.8203229797	0.9999763851
XAF1	-4.2864494036	0.4027150576	0.9999763851
ALOX12	1.6252006195	0.2416235007	0.9999763851
RNASEK	-1.0839492302	0.6334789237	0.9999763851
C17orf49	1.2299905445	0.3179648694	0.9999763851
SLC16A13	3.2356557963	0.5547505991	0.9999763851
CLEC10A	0	0	0
ASGR2	1.028107434	0.9764144245	0.9999763851
ASGR1	-10.8385246611	0.1451600336	0.9999763851
DLG4	-1.26626789	0.2478183086	0.9999763851
ACADVL	-1.1007634179	0.528710155	0.9999763851
DVL2	-1.09493033	0.6965881004	0.9999763851
PHF23	1.1559790358	0.5260044895	0.9999763851
GABARAP	-1.0007085033	0.9960303032	0.9999763851
CTDNEP1	-1.0314894316	0.8097361546	0.9999763851
ELP5	-1.6351635971	0.0392673368	0.9999763851
CLDN7	3.2356557963	0.5547505991	0.9999763851
SLC2A4	2.8674942058	0.3049740122	0.9999763851
EIF5A	1.1361544233	0.3698292759	0.9999763851
GPS2	1.6250860079	0.0426969959	0.9999763851
NEURL4	-1.1431502971	0.7678763112	0.9999763851
ACAP1	-1.058631225	0.806391799	0.9999763851
KCTD11	1.1334473729	0.8684459396	0.9999763851
TNK1	3.2361532718	0.5546934395	0.9999763851
PLSCR3	1.2315392431	0.2426822386	0.9999763851
TMEM256	-1.1798269106	0.3714173155	0.9999763851
NLGN2	-3.0813597757	0.123465347	0.9999763851
TMEM102	0	0	0
FGF11	3.3950799507	0.2318810884	0.9999763851
CHRNA1	-1.276380235	0.6853195504	0.9999763851
ZBTB4	-1.2535687009	0.4368303274	0.9999763851
POLR2A	-1.185551348	0.2570515677	0.9999763851
TNFSF12	0	0	0
TNFSF13	1.6148394316	0.0505309222	0.9999763851
SENP3	-1.4499772591	0.5897886748	0.9999763851
EIF4A1	1.180118723	0.186423255	0.9999763851
CD68	1.5778108037	0.4331455547	0.9999763851
LOC100996842	-4.2864494036	0.4027150576	0.9999763851
MPDU1	-1.0978650545	0.6488320838	0.9999763851
SOX15	-2.3225701307	0.4434167901	0.9999763851

gene_expression_table

FXR2	-1.3334910313	0.168964667	0.9999763851
SHBG	-4.2864494036	0.4027150576	0.9999763851
SAT2	1.031218952	0.8633971849	0.9999763851
TP53	1.5604866468	0.2706534128	0.9999763851
WRAP53	-1.0813907267	0.924225171	0.9999763851
DNAH2	0	0	0
KDM6B	1.1452440163	0.6895147262	0.9999763851
NAA38	1.019950292	0.8835780975	0.9999763851
CYB5D1	1.2609309139	0.4475463014	0.9999763851
CHD3	-1.0186765896	0.9077291841	0.9999763851
KCNAB3	1.2872739558	0.8230180306	0.9999763851
TRAPPC1	1.5540792477	0.11862788	0.9999763851
CNTROB	1.633055077	0.1360843272	0.9999763851
GUCY2D	7.7488609396	0.3059167339	0.9999763851
ALOX12B	1.9234638322	0.4260239582	0.9999763851
HES7	1.0115359816	0.9884109369	0.9999763851
PER1	1.0520225176	0.8433671935	0.9999763851
VAMP2	-2.5355197317	0.0120780553	0.9999763851
TMEM107	-1.0760002437	0.8180053101	0.9999763851
BORCS6	1.3356309462	0.2582181506	0.9999763851
AURKB	-1.0056498774	0.9712301663	0.9999763851
CTC1	1.4674853957	0.4791134648	0.9999763851
PFAS	1.7213613948	0.004664	0.9999763851
RANGRF	-1.0959549601	0.5375995608	0.9999763851
SLC25A35	-2.0606615507	0.2983602424	0.9999763851
KRBA2	-1.3158816768	0.8203229797	0.9999763851
RPL26	-1.0349100946	0.7844978127	0.9999763851
NDEL1	1.1545372228	0.5135332867	0.9999763851
MYH10	-1.8146129166	0.140684327	0.9999763851
CCDC42	3.2361532718	0.5546934395	0.9999763851
PIK3R6	-2.387886984	0.2112259006	0.9999763851
PIK3R5	-1.0036279234	0.9844814841	0.9999763851
NTN1	-1.6698105334	0.2616609649	0.9999763851
STX8	1.3310953909	0.2114730191	0.9999763851
CFAP52	0	0	0
DHRS7C	0	0	0
GSG1L2	3.2353357581	0.554787377	0.9999763851
GAS7	-1.1341222204	0.4394662756	0.9999763851
MYH4	0	0	0
MYH3	-1.0156237173	0.9578991223	0.9999763851
SCO1	1.2228422576	0.2454025338	0.9999763851
ADPRM	-1.5708165304	0.3885522438	0.9999763851
TMEM220	-1.1957366748	0.804418173	0.9999763851
SHISA6	1.2869488883	0.8211494027	0.9999763851
DNAH9	-3.3264391549	0.2738511788	0.9999763851
ZNF18	1.4229779878	0.3967872523	0.9999763851
MAP2K4	-1.0739578835	0.732437054	0.9999763851
ARHGAP44	-1.3944153431	0.6946124935	0.9999763851
ELAC2	1.138559278	0.5309129731	0.9999763851

gene_expression_table

COX10	1.0567705373	0.8390352295	0.9999763851
CDRT4	0	0	0
CDRT1	-7.5622178268	0.2177145568	0.9999763851
TRIM16	1.2718294823	0.4389567361	0.9999763851
ZNF286A	1.2174484142	0.2092501952	0.9999763851
ADORA2B	1.9228097209	0.4268417327	0.9999763851
ZSWIM7	-1.0091597961	0.9656406783	0.9999763851
TTC19	-1.121568196	0.4223356804	0.9999763851
NCOR1	-1.0308489887	0.8830282425	0.9999763851
PIGL	-1.1963614536	0.5297679889	0.9999763851
CENPV	-1.1244193605	0.4593569342	0.9999763851
UBB	1.0497786882	0.6972290186	0.9999763851
TRPV2	1.3261522439	0.3097807283	0.9999763851
LRRC75A	-3.2225510108	0.001582	0.9999763851
ZNF287	0	0	0
CCDC144A	-1.0118618877	0.9600691232	0.9999763851
MPRIIP	1.0836002603	0.6652340073	0.9999763851
PLD6	1.3620430594	0.137892508	0.9999763851
FLCN	-1.302442452	0.1543508838	0.9999763851
COPS3	-1.1043562603	0.5361168892	0.9999763851
NT5M	1.2786230139	0.4325388468	0.9999763851
MED9	1.0598196992	0.7919596393	0.9999763851
PEMT	1.016846405	0.9624176122	0.9999763851
RAI1	1.258116452	0.2899616324	0.9999763851
SREBF1	1.0468481076	0.8490145467	0.9999763851
TOM1L2	-1.414491976	0.3141241806	0.9999763851
DRC3	1.2355274324	0.7159989804	0.9999763851
ATPAF2	1.2800234422	0.4857267176	0.9999763851
GID4	-2.7035192643	0.0410183252	0.9999763851
DRG2	2.1110724278	0.0131352871	0.9999763851
MYO15A	-1.3716482783	0.7378342759	0.9999763851
ALKBH5	1.036729118	0.8332761405	0.9999763851
LLGL1	-1.4162370021	0.1292888555	0.9999763851
FLII	1.3033011074	0.1700273162	0.9999763851
MIEF2	3.4224740954	0.0615853663	0.9999763851
TOP3A	1.2667035848	0.3674613794	0.9999763851
SMCR8	1.6827913576	0.0890406028	0.9999763851
SHMT1	-1.854712782	0.0531111933	0.9999763851
LGALS9C	1.3585372872	0.569561054	0.9999763851
ZNF286B	1.5964182648	0.3573082571	0.9999763851
TRIM16L	-1.1934908034	0.51785316	0.9999763851
FBXW10	3.2353357581	0.554787377	0.9999763851
TVP23B	-1.1860931861	0.5867283512	0.9999763851
LOC101929141	3.2356557963	0.5547505991	0.9999763851
PRPSAP2	-1.9491322084	0.006352	0.9999763851
FAM83G	-1.4082372984	0.500276742	0.9999763851
GRAP	7.7199860138	0.2831153382	0.9999763851
B9D1	1.0019491055	0.9965746579	0.9999763851
MAPK7	2.1739784176	0.2850503355	0.9999763851

gene_expression_table

MFAP4	-1.3154339304	0.8205576571	0.9999763851
RNF112	3.2356557963	0.5547505991	0.9999763851
ALDH3A2	3.2353357581	0.554787377	0.9999763851
SLC47A2	-4.2849908816	0.4028453076	0.9999763851
AKAP10	1.0869995648	0.8147815169	0.9999763851
SPECC1	-1.3904212186	0.3233314668	0.9999763851
LGALS9B	0	0	0
CDRT15L2	-4.2849908816	0.4028453076	0.9999763851
LOC105369205	-1.1501339038	0.2929746317	0.9999763851
USP22	-1.6196855671	0.4334704695	0.9999763851
DHRS7B	1.530068871	0.1011956651	0.9999763851
TMEM11	1.0282854549	0.8619597267	0.9999763851
NATD1	-1.8172198407	0.4513898593	0.9999763851
MAP2K3	-1.3054097359	0.0493622288	0.9999763851
C17orf51	2.34099053	0.3997152508	0.9999763851
MTRNR2L1	-1.4490890341	0.006544	0.9999763851
WSB1	-1.1169360047	0.4942771814	0.9999763851
KSR1	-1.1454514418	0.7172311881	0.9999763851
LGALS9	1.1221804086	0.499802388	0.9999763851
LYRM9	2.4683190578	0.1241697105	0.9999763851
NLK	1.0998128519	0.7715430396	0.9999763851
LOC105371930	3.2356557963	0.5547505991	0.9999763851
TMEM97	1.1299880241	0.5083016692	0.9999763851
IFT20	-1.5445282614	0.3855316116	0.9999763851
TNFAIP1	1.8995141861	0.2648648392	0.9999763851
POLDIP2	1.0399044543	0.8303986863	0.9999763851
TMEM199	-1.0697739241	0.8160846839	0.9999763851
SARM1	1.1336585844	0.8771625718	0.9999763851
SLC46A1	-1.4267084394	0.623413526	0.9999763851
UNC119	1.1090242499	0.6163488351	0.9999763851
PIGS	1.1134395574	0.4493189701	0.9999763851
ALDOC	-1.0499879077	0.9360410035	0.9999763851
SPAG5	-1.0906009033	0.735093317	0.9999763851
SGK494	1.09599993	0.8958262722	0.9999763851
KIAA0100	1.266002603	0.167246694	0.9999763851
SDF2	-1.1400302879	0.4891071303	0.9999763851
SUPT6H	1.0035345536	0.9894233975	0.9999763851
PROCA1	-1.6376683773	0.2791192326	0.9999763851
RPL23A	-1.2672124045	0.1601284757	0.9999763851
TLCD1	2.8676515213	0.2915201778	0.9999763851
NEK8	1.508933517	0.5739834686	0.9999763851
TRAF4	-1.0694967919	0.8116685143	0.9999763851
FAM222B	-1.0271989054	0.9309187743	0.9999763851
ERAL1	1.2206570197	0.5027602187	0.9999763851
FLOT2	-1.0211215605	0.9185266363	0.9999763851
DHRS13	-1.5030417283	0.223833105	0.9999763851
PHF12	1.2438927194	0.5906089796	0.9999763851
PIPOX	-7.5647903763	0.2176246281	0.9999763851
MYO18A	-1.2944792306	0.6141463268	0.9999763851

gene_expression_table

TIAF1	1.0031999999	0.9886334311	0.9999763851
CRYBA1	0	0	0
NUFIP2	1.0551027384	0.7651691101	0.9999763851
TAOK1	1.0519294002	0.7753879062	0.9999763851
ABHD15	1.7034063944	0.1955093224	0.9999763851
TP53I13	1.1639313698	0.6520939686	0.9999763851
GIT1	1.369503506	0.259641286	0.9999763851
ANKRD13B	1.3615191234	0.5601183957	0.9999763851
CORO6	1.8136032532	0.5927398692	0.9999763851
SSH2	-1.3777067009	0.0892763601	0.9999763851
NSRP1	1.3089906873	0.2554373386	0.9999763851
SLC6A4	0	0	0
CPD	-1.0073353425	0.9606768812	0.9999763851
GOSR1	-1.0526190304	0.8197410088	0.9999763851
TBC1D29	-1.3714374731	0.7332684715	0.9999763851
CRLF3	-1.2656425068	0.3582812988	0.9999763851
ATAD5	-1.0351154379	0.8976354938	0.9999763851
TEFM	1.0818349382	0.7936794896	0.9999763851
RNF135	1.036671475	0.8654883948	0.9999763851
LOC107984974	1.3253731754	0.7579223892	0.9999763851
NF1	1.4440222127	0.1564929694	0.9999763851
EVI2B	1.6339767567	0.2552096059	0.9999763851
EVI2A	-2.0785652782	0.0130283404	0.9999763851
RAB11FIP4	-1.0339674486	0.8737993194	0.9999763851
COPRS	1.2267026038	0.1659983693	0.9999763851
UTP6	1.0941886947	0.6533387653	0.9999763851
SUZ12	1.1358684156	0.3797163899	0.9999763851
LOC105371727	0	0	0
LRRC37B	1.1122687244	0.6688190726	0.9999763851
LOC107985082	-4.2849908816	0.4028453076	0.9999763851
RHOT1	-1.0403633808	0.8460095901	0.9999763851
RHBDL3	-2.3225701307	0.443414764	0.9999763851
C17orf75	1.4337164916	0.4195789468	0.9999763851
ZNF207	1.1681281935	0.2881130147	0.9999763851
PSMD11	-1.1434687784	0.4314210548	0.9999763851
CDK5R1	1.0036282455	0.986925407	0.9999763851
MYO1D	1.6249017024	0.5572207845	0.9999763851
SPACA3	0	0	0
ASIC2	-1.467826005	0.6619417583	0.9999763851
CCL2	-1.2431650002	0.1158390549	0.9999763851
CCL7	-12.9532379654	3.51E-11	2.64E-07
CCL8	-14.164430006	0.0118012851	0.9999763851
CCL1	-13.9077333422	2.28E-09	9.43E-06
CCT6B	1.0259413652	0.9598924492	0.9999763851
ZNF830	1.1835489739	0.5825606899	0.9999763851
LIG3	-1.3586906184	0.1481826135	0.9999763851
RFFL	-1.1800351275	0.5292762177	0.9999763851
RAD51D	-1.4372601129	0.4195901531	0.9999763851
FNDC8	-1.7348876098	0.4534177332	0.9999763851

gene_expression_table

NLE1	1.6324231799	0.094434495	0.9999763851
LOC105371932	-2.3235904983	0.4581477541	0.9999763851
SLFN5	-3.166158432	0.1247178772	0.9999763851
SLFN11	1.0573998774	0.7811898902	0.9999763851
LOC105371933	-2.3214980365	0.4373473522	0.9999763851
SLFN12	-1.2494129491	0.5649197672	0.9999763851
SLFN13	-1.7868207301	0.1977253734	0.9999763851
PEX12	1.8129446953	0.5691176486	0.9999763851
AP2B1	1.2247064781	0.3074840832	0.9999763851
C17orf50	-1.3154339304	0.8205576571	0.9999763851
TAF15	1.4418883205	0.0137563014	0.9999763851
HEATR9	3.3940373312	0.2270373552	0.9999763851
CCL5	-1.1008057266	0.5450032139	0.9999763851
RDM1	-1.6049296996	0.2582909529	0.9999763851
CCL23	2.3398344857	0.4133791656	0.9999763851
CCL18	0	0	0
CCL3	-17.6103194045	2.57E-12	3.46E-08
CCL4	-5.4163258644	0.001709	0.9999763851
CCL3L3	-12.9839108308	1.06E-08	3.57E-05
CCL4L2	-14.7252461469	0.0977604827	0.9999763851
TBC1D3H	3.2361532718	0.5546934395	0.9999763851
ZNHIT3	1.1059604441	0.5283470985	0.9999763851
MYO19	-1.4488052739	0.118354408	0.9999763851
PIGW	1.0742851968	0.7351507398	0.9999763851
GGNBP2	1.1005958916	0.5800821903	0.9999763851
DHRS11	1.3718703568	0.413193369	0.9999763851
MRM1	1.0733799428	0.8218783912	0.9999763851
AATF	-1.048396059	0.7483766532	0.9999763851
ACACA	1.4011565592	0.0775677589	0.9999763851
TADA2A	1.1799018915	0.5626929604	0.9999763851
DUSP14	-1.1003088294	0.7330855418	0.9999763851
SYNRG	1.0209056748	0.9166391119	0.9999763851
DDX52	1.9499859725	0.005227	0.9999763851
HNF1B	0	0	0
LOC101929950	-2.6922490556	0.2893715837	0.9999763851
TBC1D3E	1.4698296658	0.3354510495	0.9999763851
TBC1D3	0	0	0
MRPL45	-1.207217016	0.3464195062	0.9999763851
SOCS7	-1.1815679737	0.4217915766	0.9999763851
ARHGAP23	-1.0707153004	0.8626449646	0.9999763851
SRCIN1	2.8679346912	0.2849286157	0.9999763851
C17orf96	1.0100106634	0.9509923982	0.9999763851
LOC105371763	1.1889819001	0.6619838725	0.9999763851
MLLT6	-1.1346159767	0.5502563098	0.9999763851
CISD3	1.0148091922	0.9372065718	0.9999763851
PCGF2	5.4770877341	0.3746135179	0.9999763851
PSMB3	1.1557818862	0.5369166203	0.9999763851
PIP4K2B	1.2610997688	0.2073659094	0.9999763851
CWC25	1.0791614234	0.7629704486	0.9999763851

gene_expression_table

C17orf98	0	0	0
RPL23	-1.0215666948	0.8696214561	0.9999763851
LASP1	-1.2708239979	0.0533396306	0.9999763851
FBXO47	3.2356557963	0.5547505991	0.9999763851
PLXDC1	1.0045143155	0.9957708879	0.9999763851
ARL5C	5.4770877341	0.3746135179	0.9999763851
CACNB1	-10.8458971147	0.1433027679	0.9999763851
RPL19	1.0764230667	0.5414152114	0.9999763851
FBXL20	1.1700961976	0.6048180548	0.9999763851
MED1	-1.2324529637	0.2071331913	0.9999763851
CDK12	1.0352802988	0.8722802606	0.9999763851
NEUROD2	0	0	0
STARD3	1.0499909904	0.7675908889	0.9999763851
TCAP	0	0	0
PGAP3	-1.6609687825	0.225525288	0.9999763851
MIEN1	1.1091700675	0.6840660913	0.9999763851
GRB7	0	0	0
IKZF3	-4.2849908816	0.4028453076	0.9999763851
GSDMB	-14.1139127893	0.1033851165	0.9999763851
ORMDL3	1.1076665828	0.6293113138	0.9999763851
LRRC3C	-4.287394647	0.4026306792	0.9999763851
GSDMA	3.2356557963	0.5547505991	0.9999763851
PSMD3	1.0395211043	0.7777450577	0.9999763851
CSF3	0	0	0
MED24	1.0435275421	0.7618615459	0.9999763851
THRA	-1.2365090914	0.1320108594	0.9999763851
MSL1	-1.0751710674	0.6470181117	0.9999763851
CASC3	-1.0960367898	0.6103525429	0.9999763851
RAPGEFL1	-1.315303824	0.8206171563	0.9999763851
WIPF2	-1.3628222188	0.0752083329	0.9999763851
CDC6	-1.003623917	0.9844097	0.9999763851
RARA	1.1169451538	0.7702722309	0.9999763851
TOP2A	-1.0640367134	0.6071274505	0.9999763851
IGFBP4	-2.3401094535	0.2609856653	0.9999763851
TNS4	0	0	0
CCR7	1.2869488883	0.8212066554	0.9999763851
SMARCE1	-1.3833508898	0.0500687425	0.9999763851
KRT22	0	0	0
KRT25	0	0	0
KRT10	1.0237809329	0.8768576682	0.9999763851
TMEM99	-1.7952455218	0.1427630397	0.9999763851
KRT19	0	0	0
KRT9	-1.2461435291	0.4620754759	0.9999763851
KRT17	-2.06231313	0.3313568767	0.9999763851
EIF1	1.0399823804	0.7502798809	0.9999763851
JUP	-1.0399161003	0.8452131433	0.9999763851
P3H4	1.0542635479	0.7848359029	0.9999763851
FKBP10	0	0	0
NT5C3B	1.4119559467	0.1997901694	0.9999763851

gene_expression_table

KLHL10	6.368054416	0.3492169917	0.9999763851
KLHL11	-1.170772176	0.5645557816	0.9999763851
ACLY	1.1987262702	0.1727408773	0.9999763851
TTC25	-1.7358601187	0.4443221278	0.9999763851
CNP	1.0357298083	0.8188519096	0.9999763851
DNAJC7	1.0886084528	0.8452955492	0.9999763851
NKIRAS2	1.0646073048	0.802415491	0.9999763851
DHX58	0	0	0
KAT2A	1.1054298992	0.6218793988	0.9999763851
HSPB9	0	0	0
RAB5C	-1.2256506757	0.1603709551	0.9999763851
KCNH4	0	0	0
HCRT	-4.2849908816	0.4028453076	0.9999763851
GHDC	1.4202922713	0.3947032046	0.9999763851
STAT5B	-1.3123575227	0.2752368204	0.9999763851
STAT5A	-1.2743490152	0.244807045	0.9999763851
STAT3	-1.1752124293	0.5042935906	0.9999763851
ATP6V0A1	7.7488609396	0.3058954712	0.9999763851
NAGLU	1.3416512829	0.1501168336	0.9999763851
HSD17B1	1.3012534193	0.4826225785	0.9999763851
COASY	1.3066405269	0.1443738879	0.9999763851
MLX	-1.1340166139	0.6741374227	0.9999763851
PSMC3IP	1.1526628378	0.8652492972	0.9999763851
FAM134C	-1.1945402121	0.5431208618	0.9999763851
TUBG1	1.1397126095	0.626047407	0.9999763851
TUBG2	0	0	0
PLEKHH3	1.1450830729	0.756697014	0.9999763851
CCR10	-14.1139127893	0.1035179751	0.9999763851
CNTNAP1	1.1095153459	0.8982805878	0.9999763851
EZH1	-1.2571363067	0.5678241157	0.9999763851
VPS25	1.0203774656	0.9168909617	0.9999763851
WNK4	2.3408621302	0.428191081	0.9999763851
COA3	1.5335957987	0.0354154381	0.9999763851
CNTD1	-1.191042134	0.3739164963	0.9999763851
BECN1	95.2169782749	0.020473733	0.9999763851
PSME3	1.1723721653	0.306301255	0.9999763851
AOC2	7.7204093521	0.287657111	0.9999763851
AOC3	-1.9652419871	0.4561425173	0.9999763851
G6PC	0	0	0
AARSD1	-1.3767562248	0.1640118821	0.9999763851
PTGES3L-AARSD1	3.2361532718	0.5546934395	0.9999763851
PTGES3L	-1.4166067094	0.6341659675	0.9999763851
RUNDC1	-1.1754889166	0.5789881894	0.9999763851
RPL27	1.0589976191	0.6396559735	0.9999763851
IFI35	-10.8422096127	0.1421302158	0.9999763851
VAT1	-1.05767269	0.6506037656	0.9999763851
BRCA1	1.0894002801	0.6109947754	0.9999763851
NBR1	-1.3802187527	0.1525368497	0.9999763851
TMEM106A	1.1166943097	0.7788160019	0.9999763851

gene_expression_table

ARL4D	-2.0102635635	0.2120053943	0.9999763851
DHX8	-1.3079890236	0.3410844044	0.9999763851
ETV4	1.6192525572	0.1267673744	0.9999763851
DUSP3	-1.3382225061	0.196368155	0.9999763851
C17orf105	-4.2849908816	0.4028453076	0.9999763851
MPP3	-3.3269505881	0.2608501707	0.9999763851
PYY	-1.5455442631	0.3604848352	0.9999763851
TMEM101	-1.0233608878	0.9332403775	0.9999763851
LSM12	-1.5960709051	0.004057	0.9999763851
G6PC3	1.2564042319	0.594724224	0.9999763851
HDAC5	-2.6440243018	0.0142538131	0.9999763851
C17orf53	1.3319720943	0.5089082667	0.9999763851
ASB16	-1.1241910911	0.8432827727	0.9999763851
TMUB2	-1.0897317093	0.7907810642	0.9999763851
ATXN7L3	-1.3374394544	0.069450966	0.9999763851
UBTF	1.0367267784	0.8113230865	0.9999763851
RUNDC3A	0	0	0
SLC25A39	1.0804394103	0.6201121307	0.9999763851
GRN	-1.0024513187	0.9881060716	0.9999763851
FAM171A2	1.222945565	0.5694149912	0.9999763851
GPATCH8	1.3501414444	0.1338150361	0.9999763851
FZD2	-2.5587132929	0.0933655759	0.9999763851
MEIOC	2.8186446591	0.1926593969	0.9999763851
CCDC43	-1.2875371507	0.3032849826	0.9999763851
DBF4B	1.3153052107	0.3508845456	0.9999763851
ADAM11	-1.8150683874	0.5018445411	0.9999763851
GJC1	0	0	0
HIGD1B	3.4162861017	0.1308425662	0.9999763851
EFTUD2	1.0326193658	0.8369687972	0.9999763851
CCDC103	1.6246521587	0.5738699216	0.9999763851
GFAP	0	0	0
KIF18B	-1.1903616839	0.4151608807	0.9999763851
C1QL1	-1.3157515262	0.8224985603	0.9999763851
LOC107987243	1.523256191	0.5847125344	0.9999763851
DCAKD	-1.1094327092	0.7763014869	0.9999763851
NMT1	1.2712449208	0.1504294082	0.9999763851
PLCD3	-1.2887895783	0.5908308782	0.9999763851
ACBD4	-1.406518047	0.6841405251	0.9999763851
HEXIM1	-1.2788649105	0.2356832065	0.9999763851
HEXIM2	1.2865109866	0.8338841024	0.9999763851
FMNL1	-1.0948916497	0.7261203456	0.9999763851
SPATA32	0	0	0
MAP3K14	1.3585694454	0.5622502806	0.9999763851
ARHGAP27	1.3000097871	0.2265919269	0.9999763851
PLEKHM1	-1.1585461795	0.719978444	0.9999763851
MGC57346-CRHR1	-1.0802533536	0.7829779462	0.9999763851
MAPT	1.0615241038	0.8137644691	0.9999763851
KANSL1	-1.196791613	0.3631340361	0.9999763851
LRRC37A	-1.3103107816	0.272793767	0.9999763851

gene_expression_table

ARL17B	-10.7322924268	4.82E-05	0.0927102426
ARL17A	1.5503523123	0.0356333545	0.9999763851
LRRC37A2	-66.4111511063	0.007734	0.9999763851
NSF	1.0152855734	0.9000823576	0.9999763851
WNT3	1.2868359435	0.8210197937	0.9999763851
GOSR2	1.0159371566	0.9385881466	0.9999763851
RPRML	0	0	0
CDC27	-1.1683393756	0.3334248928	0.9999763851
ITGB3	3.2356557963	0.5547505991	0.9999763851
EFCAB13	-1.0873921633	0.8201629532	0.9999763851
NPEPPS	1.1075626917	0.5334323518	0.9999763851
KPNB1	1.0036295374	0.9763370992	0.9999763851
TBKBP1	-1.5558662382	0.2038210095	0.9999763851
TBX21	5.4770877341	0.3746135179	0.9999763851
OSBPL7	-1.0599217033	0.8801588024	0.9999763851
MRPL10	-1.2697754829	0.3495224202	0.9999763851
LRRC46	-1.3154339304	0.8205576571	0.9999763851
SCRN2	-1.1188213207	0.7006464392	0.9999763851
SP2	1.0867964178	0.820319231	0.9999763851
PNPO	-1.1913010768	0.2529779258	0.9999763851
CDK5RAP3	-1.1426043575	0.4527221952	0.9999763851
NFE2L1	-1.0451053376	0.8224873622	0.9999763851
CBX1	1.2252250926	0.2602942312	0.9999763851
SNX11	1.4359829547	0.2102083709	0.9999763851
SKAP1	5.4790129495	0.3768260133	0.9999763851
HOXB3	3.2356557963	0.5547505991	0.9999763851
HOXB4	0	0	0
HOXB6	0	0	0
TTLL6	-4.2849908816	0.4028453076	0.9999763851
CALCOCO2	1.0321021876	0.8580290964	0.9999763851
ATP5G1	-1.0438725929	0.7516376007	0.9999763851
UBE2Z	-1.0034275075	0.9866267474	0.9999763851
SNF8	-1.3350818357	0.1477940669	0.9999763851
GIP	0	0	0
IGF2BP1	3.2353357581	0.554787377	0.9999763851
B4GALNT2	0	0	0
GNGT2	0	0	0
ABI3	-1.7526708531	0.4695612548	0.9999763851
PHOSPHO1	0	0	0
ZNF652	-1.0841997218	0.5347893593	0.9999763851
PHB	1.1572248427	0.3422185415	0.9999763851
SPOP	-1.4701792421	0.0156184295	0.9999763851
SLC35B1	1.1517103588	0.5151933111	0.9999763851
FAM117A	-1.6421689323	0.1126963516	0.9999763851
KAT7	1.4238860596	0.1457870429	0.9999763851
TAC4	0	0	0
FLJ45513	3.2356557963	0.5547505991	0.9999763851
DLX4	-1.3471391661	0.527115492	0.9999763851
ITGA3	-2.5593586246	0.2687178723	0.9999763851

gene_expression_table

PDK2	1.4166727518	0.3927535453	0.9999763851
SAMD14	-1.3157515262	0.8225209718	0.9999763851
PPP1R9B	1.4728802061	0.1859053176	0.9999763851
SGCA	3.2361532718	0.5546934395	0.9999763851
COL1A1	1.0277462901	0.9757606161	0.9999763851
TMEM92	-1.4076805062	0.6614174686	0.9999763851
XYLT2	-1.1596625696	0.5741192914	0.9999763851
MRPL27	1.0791781399	0.6374391291	0.9999763851
EME1	1.4194606792	0.1208147082	0.9999763851
LRRC59	1.0792194461	0.6986870827	0.9999763851
ACSF2	-1.3618862658	0.2957116187	0.9999763851
RSAD1	1.0424672271	0.8357512347	0.9999763851
EPN3	0	0	0
SPATA20	1.5338540238	0.3341716736	0.9999763851
ABCC3	-4.439622732	0.1608087207	0.9999763851
ANKRD40	-1.0761702759	0.8158323987	0.9999763851
LUC7L3	-1.1791702156	0.2627328648	0.9999763851
TOB1	1.0194321817	0.9740724285	0.9999763851
SPAG9	-1.1166419185	0.5957712143	0.9999763851
NME1-NME2	3.6490389733	0.005738	0.9999763851
NME1	1.031271857	0.8227417022	0.9999763851
NME2	-1.0390559375	0.7557857132	0.9999763851
MBTD1	-1.6335310538	0.0786078153	0.9999763851
UTP18	1.1488545714	0.4994847656	0.9999763851
CA10	3.2353357581	0.554787377	0.9999763851
COX11	1.0635918753	0.728393867	0.9999763851
STXBP4	-1.8159051241	0.1283322844	0.9999763851
HLF	14.4518735001	0.1558556665	0.9999763851
MMD	1.1213013009	0.6953673088	0.9999763851
TMEM100	0	0	0
PCTP	-1.1958756174	0.4285990759	0.9999763851
ANKFN1	3.2353357581	0.554787377	0.9999763851
NOG	1.0625615059	0.8992436519	0.9999763851
C17orf67	-1.4388607299	0.4662668392	0.9999763851
DGKE	-1.3460110406	0.2035289537	0.9999763851
TRIM25	-1.2574523527	0.1327616845	0.9999763851
COIL	-1.3955957376	0.0751667733	0.9999763851
SCPEP1	1.8085324452	0.1811903705	0.9999763851
AKAP1	1.2116960743	0.2739390077	0.9999763851
MSI2	-1.7304294588	0.003928	0.9999763851
MRPS23	1.2320422494	0.2025225315	0.9999763851
CUEDC1	1.3357167892	0.5014721262	0.9999763851
VEZF1	1.2194007659	0.26652107	0.9999763851
SRSF1	-1.385474219	0.013870896	0.9999763851
DYNLL2	-1.0807084955	0.7965937641	0.9999763851
EPX	-1.3943388833	0.6974268411	0.9999763851
MKS1	1.0037564108	0.9931419805	0.9999763851
LPO	5.4784711963	0.3745358536	0.9999763851
MPO	-4.2849908816	0.4028453076	0.9999763851

gene_expression_table

TSPOAP1	-4.2849908816	0.4028453076	0.9999763851
SUPT4H1	-1.2170614071	0.1335504044	0.9999763851
RNF43	1.0738836724	0.7664621396	0.9999763851
HSF5	0	0	0
MTMR4	-1.170513748	0.3151713619	0.9999763851
TEX14	-4.2864494036	0.4027150576	0.9999763851
RAD51C	-1.1091664288	0.6191959388	0.9999763851
PPM1E	3.2353357581	0.554787377	0.9999763851
TRIM37	1.1416446224	0.5484804353	0.9999763851
SKA2	1.0027181747	0.9873525805	0.9999763851
PRR11	1.0009019956	0.9951755513	0.9999763851
SMG8	-1.2863920245	0.1722477791	0.9999763851
GDPD1	-1.4076293613	0.6576393166	0.9999763851
YPEL2	-3.3900767704	0.0006754	0.6376579103
DHX40	1.1721161655	0.4458883532	0.9999763851
CLTC	-1.0763256042	0.5504841057	0.9999763851
PTRH2	1.5378949554	0.072808	0.9999763851
VMP1	-1.0413773281	0.8774799168	0.9999763851
TUBD1	1.1411653845	0.5554011251	0.9999763851
RPS6KB1	1.0620306757	0.813678936	0.9999763851
RNFT1	1.6681561475	0.4996074955	0.9999763851
HEATR6	1.1146484645	0.6933103203	0.9999763851
USP32	-1.3048347316	0.2244717033	0.9999763851
C17orf64	-1.4281695322	0.5302130795	0.9999763851
APPBP2	-1.1322703841	0.6624606562	0.9999763851
PPM1D	1.3257277328	0.2966120482	0.9999763851
BCAS3	1.0314357805	0.8675629671	0.9999763851
TBX4	0	0	0
NACA2	1.0500641291	0.7410342079	0.9999763851
BRIP1	1.0783690276	0.7851707421	0.9999763851
INTS2	1.611485542	0.2537316629	0.9999763851
MED13	1.1438871918	0.5825867542	0.9999763851
EFCAB3	3.2353357581	0.554787377	0.9999763851
METTL2A	-1.007937192	0.9780050303	0.9999763851
TLK2	-1.1872516466	0.3546495846	0.9999763851
MRC2	-1.2706018552	0.1609364621	0.9999763851
TANC2	1.1450832573	0.7437900081	0.9999763851
KCNH6	0	0	0
DCAF7	-1.1685069018	0.3381330906	0.9999763851
TACO1	-1.0507861217	0.8173164314	0.9999763851
MAP3K3	-1.5395862987	0.1816499329	0.9999763851
LIMD2	1.2764977549	0.2569277466	0.9999763851
STRADA	1.7466959631	0.1068332325	0.9999763851
CCDC47	1.261568972	0.1591795738	0.9999763851
DDX42	1.3351148823	0.1764650744	0.9999763851
FTSJ3	-1.181734384	0.538495871	0.9999763851
PSMC5	1.1056608389	0.5703133009	0.9999763851
SMARCD2	1.0082469566	0.9561715307	0.9999763851
CD79B	1.094680312	0.9298789058	0.9999763851

gene_expression_table

PRR29	-2.4384604498	0.004352	0.9999763851
ICAM2	2.8677508622	0.0260718734	0.9999763851
ERN1	-1.7163870119	0.0573970097	0.9999763851
TEX2	1.2859765675	0.2162367541	0.9999763851
PECAM1	-2.4085187422	0.0002638	0.3301211415
MILR1	-1.9665787608	0.450663293	0.9999763851
POLG2	-2.5014873462	0.0658656921	0.9999763851
DDX5	1.1752632563	0.2169227488	0.9999763851
CEP95	1.0985384731	0.748821251	0.9999763851
SMURF2	-1.4800104493	0.1651715063	0.9999763851
LRRC37A3	-1.5778537154	0.1526225869	0.9999763851
GNA13	-1.3101417765	0.2005730372	0.9999763851
RGS9	1.8139617088	0.5798476583	0.9999763851
AXIN2	12.2012745411	0.1883263981	0.9999763851
PRKCA	-4.2849908816	0.4028453076	0.9999763851
CACNG1	0	0	0
HELZ	-1.1156903389	0.6127510599	0.9999763851
PSMD12	1.2573073716	0.1823343025	0.9999763851
PITPNC1	-1.2593300907	0.1526737039	0.9999763851
NOL11	1.1244027211	0.449704627	0.9999763851
BPTF	-1.1588585304	0.4248513281	0.9999763851
C17orf58	1.2185643604	0.450905043	0.9999763851
KPNA2	1.2242515848	0.1151816203	0.9999763851
AMZ2	-1.1086294121	0.5285429094	0.9999763851
ARSG	1.3631350465	0.5236987364	0.9999763851
SLC16A6	-1.2785467372	0.6689930072	0.9999763851
PRKAR1A	-1.167505528	0.3208269551	0.9999763851
WIPI1	1.4169878943	0.3696390264	0.9999763851
FAM20A	0	0	0
ABCA8	0	0	0
ABCA9	0	0	0
MAP2K6	-3.0838658458	0.1375299849	0.9999763851
SLC39A11	-1.1386598353	0.3613927247	0.9999763851
SSTR2	1.8139019215	0.5824613813	0.9999763851
COG1	1.2515691339	0.6278785591	0.9999763851
FAM104A	-1.135602	0.5350106964	0.9999763851
C17orf80	1.0694478451	0.8833536893	0.9999763851
CPSF4L	-1.5229205493	0.4617274286	0.9999763851
CDC42EP4	2.3029443907	0.1002902997	0.9999763851
SDK2	0	0	0
RPL38	-1.0143018709	0.9098905487	0.9999763851
TTYH2	-6.3450869775	0.0583047746	0.9999763851
KIF19	3.2353357581	0.554787377	0.9999763851
GPRC5C	1.1293468666	0.6309874511	0.9999763851
CD300A	1.1012193558	0.7145045659	0.9999763851
CD300LB	1.3676001091	0.4638766938	0.9999763851
CD300C	-1.8805051931	0.066916264	0.9999763851
LOC100130520	3.2353357581	0.554787377	0.9999763851
CD300E	0	0	0

gene_expression_table

RAB37	1.3621691	0.1164686567	0.9999763851
CD300LF	-1.2384709082	0.2280057426	0.9999763851
SLC9A3R1	1.0936977062	0.5309851788	0.9999763851
NAT9	-1.1720017138	0.6901013187	0.9999763851
TMEM104	1.139610238	0.4889235223	0.9999763851
GRIN2C	1.7554673993	0.479297055	0.9999763851
FDXR	-1.119831722	0.6801991635	0.9999763851
CDR2L	-1.450325375	0.1052699842	0.9999763851
ICT1	1.2047320057	0.3297505937	0.9999763851
KCTD2	-1.1216682835	0.6518896821	0.9999763851
ATP5H	1.0051076379	0.9785483619	0.9999763851
SLC16A5	-1.1258156018	0.7808757233	0.9999763851
ARMC7	1.1275157128	0.7666537206	0.9999763851
NT5C	-1.2201487575	0.4844217624	0.9999763851
HN1	1.3178170654	0.0387620258	0.9999763851
SUMO2	1.2155486113	0.1495463053	0.9999763851
NUP85	-1.5784688329	0.1951245379	0.9999763851
GGA3	-1.0219114763	0.8977765063	0.9999763851
MRPS7	1.1631272425	0.3079149475	0.9999763851
MIF4GD	-1.0781049508	0.7448054521	0.9999763851
SLC25A19	1.0368491199	0.876805636	0.9999763851
GRB2	1.2279305246	0.1102982332	0.9999763851
TMEM94	-1.6545598694	0.0760921455	0.9999763851
CASKIN2	-2.481317684	0.1590172943	0.9999763851
TSEN54	1.0356058542	0.8559899728	0.9999763851
LLGL2	-1.4393973942	0.4211652208	0.9999763851
MYO15B	-1.0470082974	0.9199051466	0.9999763851
RECQL5	-1.5856285156	0.3670025194	0.9999763851
SMIM5	0	0	0
SMIM6	1.2865109866	0.8339574889	0.9999763851
SAP30BP	-1.2436491145	0.3468366601	0.9999763851
ITGB4	-10.371672165	0.0142517641	0.9999763851
GALK1	-1.248361254	0.3579667898	0.9999763851
H3F3B	1.0022949672	0.9841393382	0.9999763851
UNK	-1.248061582	0.2977937211	0.9999763851
UNC13D	-1.2346984267	0.3622146135	0.9999763851
WBP2	1.0074425751	0.9628863593	0.9999763851
TRIM47	0	0	0
TRIM65	1.432567934	0.0829948425	0.9999763851
MRPL38	-1.7987138531	0.0144475727	0.9999763851
FBF1	-2.2143932241	0.24856486	0.9999763851
ACOX1	-1.115204261	0.6066359367	0.9999763851
TEN1	1.1756185533	0.6547039784	0.9999763851
CDK3	1.0324501895	0.9523751626	0.9999763851
SRP68	1.0229648789	0.8944932124	0.9999763851
GALR2	-1.3161718537	0.8292852722	0.9999763851
ZACN	-1.0656213907	0.7332831655	0.9999763851
EXOC7	-1.4401565523	0.3983523357	0.9999763851
RNF157	-1.8129967537	0.4216496909	0.9999763851

gene_expression_table

UBALD2	-1.2313785434	0.1381059307	0.9999763851
QRICH2	1.5602490925	0.6804593908	0.9999763851
PRPSAP1	1.1646300979	0.4438327987	0.9999763851
SPHK1	-1.0857981264	0.8001436871	0.9999763851
UBE2O	1.0509444478	0.8166301874	0.9999763851
AANAT	3.2353357581	0.554787377	0.9999763851
RHBDF2	1.0132034058	0.9568305091	0.9999763851
CYGB	0	0	0
PRCD	2.3408621302	0.4283701132	0.9999763851
ST6GALNAC2	-1.3344418569	0.7451003495	0.9999763851
MXRA7	-1.294055056	0.6171079393	0.9999763851
JMJD6	-1.6554357091	0.0130886671	0.9999763851
METTL23	1.1090294691	0.6625603247	0.9999763851
SRSF2	1.1650504353	0.2155742584	0.9999763851
MFSD11	-1.134041525	0.7130988011	0.9999763851
MGAT5B	0	0	0
SEC14L1	1.2179077413	0.5425987287	0.9999763851
SEPT9	1.010028779	0.9492735519	0.9999763851
TNRC6C	1.4004060892	0.2361249462	0.9999763851
TMC6	1.1883889727	0.4044046286	0.9999763851
TMC8	1.2540889313	0.2759664525	0.9999763851
C17orf99	1.3406186202	0.7024074684	0.9999763851
SYNGR2	1.0007922426	0.9962191031	0.9999763851
TK1	1.5988984277	0.0481773985	0.9999763851
AFMID	1.0540431582	0.8983311216	0.9999763851
BIRC5	-1.2664221316	0.1486772135	0.9999763851
SOCS3	5.4790129495	0.3770544328	0.9999763851
PGS1	1.0592807813	0.8490445845	0.9999763851
DNAH17	3.3937024411	0.2365744837	0.9999763851
CYTH1	-1.4837669675	0.1794407997	0.9999763851
USP36	1.5747810022	0.0491538128	0.9999763851
TIMP2	-1.3715658618	0.0636813925	0.9999763851
LGALS3BP	0	0	0
CANT1	1.5073404876	0.1093228765	0.9999763851
ENGASE	1.3417868536	0.3539514453	0.9999763851
RBFOX3	-2.5587422769	0.2939152544	0.9999763851
CBX2	-1.2167281174	0.2464040924	0.9999763851
CBX8	1.027554661	0.9756499449	0.9999763851
CBX4	1.4818259365	0.0194434151	0.9999763851
TBC1D16	-1.4318010494	0.1293841081	0.9999763851
CCDC40	-1.1494135484	0.8479372539	0.9999763851
GAA	-1.2228681114	0.2674177744	0.9999763851
EIF4A3	-1.0747790408	0.5812168489	0.9999763851
SGSH	-4.2849908816	0.4028453076	0.9999763851
SLC26A11	-2.3220580825	0.4361528034	0.9999763851
RNF213	-1.2988776157	0.1424568851	0.9999763851
ENDOV	1.031881869	0.9342107461	0.9999763851
RPTOR	1.7213189457	0.0237191973	0.9999763851
LOC105371921	3.7137105359	0.127513383	0.9999763851

gene_expression_table

CHMP6	1.0502262877	0.9153431807	0.9999763851
BAIAP2	-1.4160477835	0.6149260578	0.9999763851
AATK	5.4770877341	0.3746135179	0.9999763851
CEP131	1.0983992073	0.8445066911	0.9999763851
ENTHD2	1.0524293328	0.8249979255	0.9999763851
C17orf89	-1.0511468366	0.6997333266	0.9999763851
SLC38A10	1.1989902512	0.1724453134	0.9999763851
TMEM105	-3.3269505881	0.2614707944	0.9999763851
LOC100130370	1.7659093218	0.1645744979	0.9999763851
BAHCC1	-1.3105086293	0.1641695256	0.9999763851
ACTG1	-1.1965139403	0.1387789246	0.9999763851
FSCN2	6.368054416	0.3491635634	0.9999763851
FAAP100	1.311894018	0.3445888282	0.9999763851
NPLOC4	-1.2326254162	0.2720037118	0.9999763851
TSPAN10	-1.9740380889	0.280981329	0.9999763851
PDE6G	-1.3158816768	0.8203229796	0.9999763851
OXLD1	1.7530922662	0.0522775349	0.9999763851
CCDC137	1.3913813201	0.1438165004	0.9999763851
ARL16	1.0694712425	0.8224209407	0.9999763851
HGS	1.1379232316	0.5454124149	0.9999763851
MRPL12	1.0377233846	0.8583253283	0.9999763851
SLC25A10	-1.0445055821	0.8559792649	0.9999763851
GCGR	0	0	0
MCRIP1	-1.1638773997	0.5146295439	0.9999763851
PPP1R27	-1.1862097654	0.6911970683	0.9999763851
P4HB	1.1816681558	0.1722579276	0.9999763851
ARHGDI1A	1.109153248	0.5297948035	0.9999763851
ALYREF	1.2291377558	0.2354199433	0.9999763851
ANAPC11	1.23351879	0.1267009386	0.9999763851
PCYT2	-1.0057481359	0.9782906303	0.9999763851
SIRT7	1.2490378222	0.2785227466	0.9999763851
MAFG	-1.0785559128	0.6068514886	0.9999763851
MYADML2	0	0	0
NOTUM	0	0	0
ASPSCR1	1.5237627223	0.27691641	0.9999763851
STRA13	1.0903504173	0.6824079806	0.9999763851
LRRC45	-1.3409801979	0.4893586368	0.9999763851
RAC3	-1.0195222327	0.9715494501	0.9999763851
DCXR	1.1505292304	0.4123407491	0.9999763851
RFNG	1.0778949265	0.8632727738	0.9999763851
GPS1	1.1056930974	0.6638533059	0.9999763851
DUS1L	1.5196477277	0.011241128	0.9999763851
FASN	-1.0190819804	0.8908694471	0.9999763851
CCDC57	-1.2537635832	0.3659778794	0.9999763851
SLC16A3	1.007412379	0.9636829309	0.9999763851
CSNK1D	1.2293362349	0.1987391202	0.9999763851
TEX19	1.1427172643	0.7752356948	0.9999763851
OGFOD3	1.4492553209	0.1934123457	0.9999763851
HEXDC	1.4950776813	0.2107898692	0.9999763851

gene_expression_table

C17orf62	1.2184108832	0.4295393158	0.9999763851
NARF	1.1729331475	0.5131037997	0.9999763851
FOXK2	-1.0753705697	0.6522633226	0.9999763851
WDR45B	-1.1889874864	0.2852939405	0.9999763851
RAB40B	1.190830385	0.7249087679	0.9999763851
FN3KRP	-1.0708183273	0.7729172705	0.9999763851
FN3K	0	0	0
TBCD	-1.9158695132	0.0801179606	0.9999763851
LOC105371944	3.2356557963	0.5547505991	0.9999763851
B3GNTL1	1.1602988526	0.4118026422	0.9999763851
METRNL	-1.6699253022	0.0168594392	0.9999763851
USP14	1.268719576	0.1617850482	0.9999763851
THOC1	-1.1850965868	0.486945675	0.9999763851
COLEC12	-4.2849908816	0.4028453076	0.9999763851
CLUL1	4.9761319165	0.1044956469	0.9999763851
TYMSOS	-1.0030965355	0.9882143083	0.9999763851
TYMS	1.3445571224	0.133731681	0.9999763851
ENOSF1	1.2594240891	0.2226723187	0.9999763851
YES1	-1.1266057749	0.7238896945	0.9999763851
METTL4	1.4276679728	0.4182629513	0.9999763851
NDC80	1.5368360324	0.0666069778	0.9999763851
SMCHD1	1.222222408	0.2418909853	0.9999763851
EMILIN2	-1.7376472043	0.0246840727	0.9999763851
LPIN2	-1.2305055086	0.5110075629	0.9999763851
MYL12A	-1.039244956	0.8229916289	0.9999763851
MYL12B	-1.2767519225	0.1330881155	0.9999763851
TGIF1	-1.1113430264	0.8259028597	0.9999763851
DLGAP1	2.3833649494	0.2136734025	0.9999763851
ZBTB14	-1.5731112195	0.1155256579	0.9999763851
EPB41L3	1.3858577527	0.1166141524	0.9999763851
ARHGAP28	3.2356557963	0.5547505991	0.9999763851
LAMA1	-4.2864494036	0.4027150576	0.9999763851
RAB12	-1.0857545116	0.6997866977	0.9999763851
MTCL1	-1.4265959713	0.5889879194	0.9999763851
NDUFV2	1.0985417743	0.5927695475	0.9999763851
ANKRD12	-1.7024590316	0.0150631528	0.9999763851
TWSG1	-1.1989352035	0.4643356999	0.9999763851
RALBP1	1.0625244586	0.6946807271	0.9999763851
PPP4R1	1.1750457763	0.3638509778	0.9999763851
RAB31	-1.3123459729	0.0559937365	0.9999763851
TXNDC2	0	0	0
VAPA	1.1434807562	0.2976169952	0.9999763851
APCDD1	7.722359209	0.2874240873	0.9999763851
NAPG	1.0844005072	0.7240639501	0.9999763851
GNAL	-1.4073673926	0.6744285455	0.9999763851
CHMP1B	-1.472549039	0.1532825515	0.9999763851
MPPE1	1.0538144491	0.8651115928	0.9999763851
IMPA2	1.2467875593	0.1314080006	0.9999763851
CIDEA	-1.9661045084	0.4534996017	0.9999763851

gene_expression_table

TUBB6	1.0528456853	0.7054818371	0.9999763851
AFG3L2	-2.2613004035	0.0180473284	0.9999763851
PRELID3A	2.011636301	0.1831048152	0.9999763851
SPIRE1	2.2799218304	0.0424500369	0.9999763851
PSMG2	1.1289216452	0.5260274705	0.9999763851
CEP76	-1.125788792	0.8101302279	0.9999763851
PTPN2	-1.1066674826	0.6447097725	0.9999763851
SEH1L	1.1553499034	0.4350136921	0.9999763851
CEP192	-1.6465320858	0.1210643586	0.9999763851
LDLRAD4	1.1785905591	0.577841858	0.9999763851
FAM210A	1.0415522553	0.8450658861	0.9999763851
RNMT	1.0393627572	0.8248916887	0.9999763851
ZNF519	1.4145351204	0.4102711148	0.9999763851
ANKRD30B	0	0	0
ROCK1	1.1302097523	0.4852404621	0.9999763851
ESCO1	1.013979731	0.9590659246	0.9999763851
SNRPD1	-1.0301930549	0.8146288958	0.9999763851
ABHD3	1.0076240997	0.9807605031	0.9999763851
MIB1	-1.4842623491	0.0641970462	0.9999763851
GATA6	-2.3227998731	0.4423442872	0.9999763851
CTAGE1	-4.2864494036	0.4027150576	0.9999763851
RBBP8	1.0316188723	0.8978489437	0.9999763851
LOC105372022	0	0	0
CABLES1	-1.4049149076	0.4270897107	0.9999763851
TMEM241	1.1313222753	0.6266838642	0.9999763851
RIOK3	-1.1719432075	0.5624205679	0.9999763851
C18orf8	1.0530606975	0.8285526709	0.9999763851
NPC1	-1.5368605507	0.1620602488	0.9999763851
ANKRD29	-4.2849908816	0.4028453076	0.9999763851
LAMA3	0	0	0
TTC39C	-1.0644101204	0.7436789616	0.9999763851
OSBPL1A	1.3583153059	0.2177960888	0.9999763851
IMPACT	1.8331084374	0.0784332203	0.9999763851
SS18	1.0320900741	0.8759787169	0.9999763851
PSMA8	4.337646665	0.005906	0.9999763851
TAF4B	-1.2941113162	0.4923770922	0.9999763851
KCTD1	1.1314940385	0.748535491	0.9999763851
DSG3	0	0	0
DSG2	0	0	0
SLC25A52	-1.3178224963	0.7617796282	0.9999763851
TRAPPC8	1.0051706883	0.9871178963	0.9999763851
RNF125	1.294438746	0.4097490779	0.9999763851
RNF138	-1.1097586732	0.6715422085	0.9999763851
GAREM1	4.6124114429	0.0497052645	0.9999763851
DTNA	0	0	0
MAPRE2	1.4182977911	0.2135128463	0.9999763851
ZNF397	-1.0390719457	0.9459961495	0.9999763851
ZSCAN30	-1.7384828959	0.2722560013	0.9999763851
ZNF24	1.0615050333	0.734345652	0.9999763851

gene_expression_table

ZNF396	0	0	0
INO80C	1.1763088418	0.7037208211	0.9999763851
GALNT1	1.2587168859	0.1740068173	0.9999763851
C18orf21	-1.0772491272	0.8038099843	0.9999763851
RPRD1A	1.3277535968	0.1740396859	0.9999763851
SLC39A6	-1.0099910827	0.9599779856	0.9999763851
ELP2	-1.2623910018	0.2748664257	0.9999763851
FHOD3	1.2869488883	0.8212647797	0.9999763851
TPGS2	1.1570498	0.3686347809	0.9999763851
KIAA1328	-1.0106205677	0.979228462	0.9999763851
PIK3C3	1.3099658605	0.2022104335	0.9999763851
SLC14A2	-1.4211113077	0.5992730278	0.9999763851
SLC14A1	1.1393200909	0.836754531	0.9999763851
EPG5	-1.1871152842	0.3221336632	0.9999763851
SIGLEC15	-1.2347505946	0.7212635075	0.9999763851
PSTPIP2	1.3531784651	0.0886505475	0.9999763851
ATP5A1	1.1623316224	0.2073866185	0.9999763851
HAUS1	1.347668138	0.1522736807	0.9999763851
C18orf25	-1.1680439785	0.4908845841	0.9999763851
RNF165	-1.5911835926	0.2688940412	0.9999763851
LOXHD1	0	0	0
PIAS2	-1.046240234	0.8520608296	0.9999763851
KATNAL2	-1.677905058	0.1789147043	0.9999763851
HDHD2	-1.0564198249	0.8278121123	0.9999763851
IER3IP1	1.0116081812	0.9435816828	0.9999763851
SMAD2	1.1129968444	0.4112374721	0.9999763851
ZBTB7C	1.8137824633	0.5650708093	0.9999763851
CTIF	-1.6263145503	0.2845371714	0.9999763851
SMAD7	1.5931922204	0.475646022	0.9999763851
DYM	1.3021913696	0.1918979724	0.9999763851
C18orf32	-1.5045639136	0.6135235448	0.9999763851
RPL17-C18orf32	-1.046758537	0.9431787071	0.9999763851
RPL17	-1.0680504711	0.6098631586	0.9999763851
LIPG	0	0	0
ACAA2	1.3473501545	0.1604902033	0.9999763851
MYO5B	-1.3157515262	0.8225431686	0.9999763851
CFAP53	-1.1960912581	0.7932911701	0.9999763851
MBD1	-1.1366589468	0.5274264358	0.9999763851
CXXC1	1.290381635	0.2956972014	0.9999763851
SKA1	1.0758157455	0.6904055391	0.9999763851
MRO	1.2869488883	0.8213966802	0.9999763851
ME2	1.3162081797	0.1377623823	0.9999763851
ELAC1	-1.2501416505	0.6234664112	0.9999763851
SMAD4	-1.1840754211	0.3995692433	0.9999763851
MEX3C	1.0956963208	0.7198710167	0.9999763851
DCC	-1.3157515262	0.8226406568	0.9999763851
MBD2	1.1496545935	0.4344302282	0.9999763851
POLI	-1.4275443527	0.5508169969	0.9999763851
STARD6	0	0	0

gene_expression_table

C18orf54	-1.0613861353	0.8766861319	0.9999763851
RAB27B	1.1809081663	0.431212455	0.9999763851
CCDC68	0	0	0
TCF4	1.460070465	0.1651055916	0.9999763851
TXNL1	1.4664524438	0.0192607815	0.9999763851
WDR7	1.1649170552	0.5869194555	0.9999763851
BOD1L2	3.2353357581	0.554787377	0.9999763851
ONECUT2	1.5665550185	0.1461142335	0.9999763851
FECH	1.0079974426	0.9689864487	0.9999763851
NARS	1.0834630824	0.5637073624	0.9999763851
LOC100505549	1.0316918329	0.9422244948	0.9999763851
ATP8B1	1.0959397657	0.8987293012	0.9999763851
NEDD4L	-1.4490644074	0.177761689	0.9999763851
LOC101927322	3.2353357581	0.554787377	0.9999763851
MALT1	-1.0002638517	0.9991526872	0.9999763851
ZNF532	0	0	0
SEC11C	-1.4603990861	0.0575076048	0.9999763851
LMAN1	-1.4232019761	0.0456366823	0.9999763851
PMAIP1	-1.1675544153	0.632017776	0.9999763851
CDH20	3.2356557963	0.5547505991	0.9999763851
PIGN	1.3981943276	0.2234987455	0.9999763851
KIAA1468	-1.6410991858	0.1216969411	0.9999763851
TNFRSF11A	-1.3157515262	0.8227364894	0.9999763851
ZCCHC2	1.0943213612	0.6805532992	0.9999763851
PHLPP1	-1.2210442353	0.5416895447	0.9999763851
BCL2	1.3574611945	0.1219747567	0.9999763851
KDSR	1.4319835927	0.1120552441	0.9999763851
VPS4B	1.0191525346	0.9163300125	0.9999763851
SERPINB13	0	0	0
SERPINB4	5.4781708352	0.3745527127	0.9999763851
SERPINB2	-1.2487160765	0.2249693702	0.9999763851
SERPINB10	-1.1487065491	0.8497509362	0.9999763851
HMSD	-4.2849908816	0.4028453076	0.9999763851
SERPINB8	1.1662324787	0.660964801	0.9999763851
TMX3	1.038674887	0.8440882348	0.9999763851
CCDC102B	-4.7674026393	0.0254957192	0.9999763851
DOK6	0	0	0
CD226	0	0	0
RTTN	-1.431094597	0.3617603982	0.9999763851
SOCS6	1.2649613881	0.4833458416	0.9999763851
CBLN2	0	0	0
FBXO15	-1.3151016298	0.8212997976	0.9999763851
TIMM21	1.2615674681	0.2687467046	0.9999763851
CYB5A	-1.1806901819	0.7419498692	0.9999763851
CNDP2	1.43710671	0.0785497062	0.9999763851
CNDP1	0	0	0
ZNF407	1.3806944824	0.3061357917	0.9999763851
ZADH2	1.605074042	0.0205974713	0.9999763851
TSHZ1	-1.0058215633	0.9805488346	0.9999763851

gene_expression_table

SMIM21	0	0	0
ZNF516	1.1029598534	0.6378174891	0.9999763851
C18orf65	0	0	0
ZNF236	2.2652956169	0.0436937484	0.9999763851
MBP	-1.1565182767	0.2359212865	0.9999763851
LOC107987260	-4.3498975359	0.0551187273	0.9999763851
ATP9B	1.4461746901	0.3026275879	0.9999763851
LOC100996274	-4.2849908816	0.4028453076	0.9999763851
NFATC1	1.2991507835	0.2754794045	0.9999763851
CTDP1	1.0170868483	0.9361862445	0.9999763851
LOC105376875	0	0	0
KCNG2	1.7333395294	0.2445560354	0.9999763851
PQLC1	-1.0916230486	0.5315989856	0.9999763851
HSBP1L1	-1.4740283994	0.4768688405	0.9999763851
TXNL4A	1.3412242596	0.0248043144	0.9999763851
RBFA	-1.1952419538	0.3053420021	0.9999763851
ADNP2	-1.2341261477	0.3627906561	0.9999763851
PARD6G	1.1796097153	0.7225421517	0.9999763851
PLPP2	0	0	0
LOC101929060	0	0	0
MIER2	1.290970743	0.4946227036	0.9999763851
C2CD4C	-1.3151016298	0.8212381876	0.9999763851
ODF3L2	-1.3154339304	0.8205576571	0.9999763851
MADCAM1	1.8139617088	0.5800559797	0.9999763851
TPGS1	-1.3943229106	0.7064421931	0.9999763851
CDC34	1.2772717163	0.1456358752	0.9999763851
BSG	-1.1266048093	0.4916397366	0.9999763851
HCN2	5.4790129495	0.3772418585	0.9999763851
POLRMT	1.413178442	0.3283936249	0.9999763851
RNF126	1.0364439616	0.7970954411	0.9999763851
FSTL3	-1.231512585	0.5748721099	0.9999763851
PRSS57	-1.1495398408	0.8598004411	0.9999763851
PALM	-1.0192343692	0.9691073227	0.9999763851
PTBP1	1.131922505	0.3209385984	0.9999763851
PLPPR3	-1.0358048925	0.9599204069	0.9999763851
AZU1	-2.0972707676	0.0146336224	0.9999763851
PRTN3	-2.7315023848	0.002801	0.9999763851
ELANE	-2.1559272076	0.008335	0.9999763851
CFD	-1.8839942601	0.0006626	0.6368063985
MED16	1.2786596453	0.4722063616	0.9999763851
R3HDM4	1.2088484948	0.5032060441	0.9999763851
ARID3A	-1.0714448023	0.645970121	0.9999763851
WDR18	-1.1125770258	0.5322724397	0.9999763851
GRIN3B	1.7666556068	0.007222	0.9999763851
TMEM259	-1.1613439262	0.3946440167	0.9999763851
CNN2	1.2475563951	0.2287581546	0.9999763851
ABCA7	1.1367329528	0.6845222225	0.9999763851
HMHA1	-1.1482188025	0.3292999748	0.9999763851
POLR2E	1.1010004561	0.4868334108	0.9999763851

gene_expression_table

GPX4	-1.0317008389	0.8395631037	0.9999763851
SBNO2	1.0209730818	0.9207863291	0.9999763851
LOC102725180	-3.3272796812	0.2422722016	0.9999763851
STK11	1.4167691791	0.1564333106	0.9999763851
CBARP	1.1833354309	0.6986106397	0.9999763851
ATP5D	1.0671525712	0.7385254444	0.9999763851
MIDN	1.3387894598	0.0886668652	0.9999763851
CIRBP	1.035292992	0.8057141232	0.9999763851
C19orf24	-1.05909459	0.7524654517	0.9999763851
MUM1	1.2512259867	0.2673091583	0.9999763851
NDUFS7	-1.0454754495	0.8339337701	0.9999763851
GAMT	-1.0936291488	0.6504607401	0.9999763851
DAZAP1	-1.1454902037	0.2527936722	0.9999763851
RPS15	1.1976131177	0.1265152381	0.9999763851
APC2	1.1829955191	0.4173601781	0.9999763851
C19orf25	1.2238657423	0.5731691936	0.9999763851
PCSK4	-1.1080029864	0.8633017572	0.9999763851
REEP6	1.0786099006	0.8879346195	0.9999763851
ADAMTSL5	1.6233493708	0.594412743	0.9999763851
PLK5	3.2353357581	0.554787377	0.9999763851
MEX3D	-1.1860170558	0.3976578489	0.9999763851
MBD3	1.0816737879	0.697655724	0.9999763851
UQCR11	1.2165253877	0.1154014256	0.9999763851
TCF3	-1.0484094273	0.7397398038	0.9999763851
ATP8B3	1.1517721744	0.6032066345	0.9999763851
REXO1	-1.1777373612	0.6950323536	0.9999763851
KLF16	1.0037582097	0.9833317709	0.9999763851
ABHD17A	-1.07702174	0.7362004703	0.9999763851
ADAT3	5.9192858611	0.1688273823	0.9999763851
SCAMP4	2.814770943	0.0765236739	0.9999763851
CSNK1G2	-1.0266551666	0.8691250895	0.9999763851
BTBD2	1.1577339402	0.6058809204	0.9999763851
MKNK2	1.3208484269	0.2400526405	0.9999763851
MOB3A	1.182977171	0.4092961741	0.9999763851
IZUMO4	1.1352686914	0.7008053866	0.9999763851
AP3D1	1.1605087322	0.385082447	0.9999763851
DOT1L	1.0322896598	0.9103597557	0.9999763851
PLEKHJ1	1.1479919186	0.339120879	0.9999763851
SF3A2	-1.4282645744	0.5366645992	0.9999763851
AMH	1.4570861054	0.4848855715	0.9999763851
JSRP1	0	0	0
OAZ1	1.0384096329	0.7585799008	0.9999763851
C19orf35	-1.9659101454	0.4336378235	0.9999763851
LINGO3	1.0637644931	0.8356010693	0.9999763851
LSM7	1.0879769411	0.5705777505	0.9999763851
SPPL2B	-1.2361579023	0.2926920122	0.9999763851
TMPRSS9	-4.3357248284	0.1409480754	0.9999763851
TIMM13	-1.1606820567	0.294971482	0.9999763851
LMNB2	-1.1248319312	0.4387481828	0.9999763851

gene_expression_table

GADD45B	-1.1858930738	0.3094010067	0.9999763851
LOC101929097	-1.4010538105	0.179624853	0.9999763851
GNG7	-1.4533319337	0.1285468438	0.9999763851
DIRAS1	1.1729244398	0.7554942151	0.9999763851
SLC39A3	2.1659783213	0.0009005	0.734233805
SGTA	1.0814295429	0.6759542052	0.9999763851
THOP1	1.1248383721	0.4361454396	0.9999763851
ZNF554	1.7226814704	0.2677187242	0.9999763851
ZNF555	-1.2382563075	0.6308946879	0.9999763851
ZNF556	-4.2849908816	0.4028453076	0.9999763851
ZNF57	3.3957503398	0.239352767	0.9999763851
ZNF77	2.8184855207	0.1996329781	0.9999763851
TLE6	-1.0049708175	0.9922834184	0.9999763851
TLE2	1.478582848	0.5996274859	0.9999763851
AES	1.0509218159	0.7448172235	0.9999763851
GNA11	-1.3297681187	0.6010806461	0.9999763851
GNA15	-1.0462218838	0.8122999357	0.9999763851
S1PR4	-1.2386892921	0.2310374059	0.9999763851
NCLN	-1.0977440504	0.556341226	0.9999763851
CELF5	5.4781708352	0.3745527127	0.9999763851
NFIC	1.0934320093	0.5678219705	0.9999763851
SMIM24	-1.6887668142	0.1688496532	0.9999763851
DOHH	-1.5228866999	0.1204790783	0.9999763851
FZR1	-1.2032459726	0.5815483738	0.9999763851
MFSD12	-1.2002212613	0.2216139358	0.9999763851
HMG20B	-1.1246151404	0.470963387	0.9999763851
GIPC3	-1.3160416743	0.8270099247	0.9999763851
TBXA2R	1.1232485485	0.4547549211	0.9999763851
CACTIN	1.0685418362	0.7862644062	0.9999763851
PIP5K1C	1.1317338022	0.7210439827	0.9999763851
TJP3	1.287203384	0.8320172331	0.9999763851
APBA3	1.3288018935	0.417699301	0.9999763851
MRPL54	-1.1073647831	0.5648144307	0.9999763851
MATK	-2.2387936332	0.3206210108	0.9999763851
ZFR2	-1.7352105782	0.4494410497	0.9999763851
ATCAY	-2.3220580825	0.4353552009	0.9999763851
DAPK3	-1.2242067767	0.3826988383	0.9999763851
EEF2	1.0680643246	0.5814156193	0.9999763851
PIAS4	1.1874204229	0.5241937705	0.9999763851
ZBTB7A	-1.0054081079	0.9724444475	0.9999763851
MAP2K2	1.028587371	0.8371433472	0.9999763851
CREB3L3	0	0	0
SIRT6	1.0312790402	0.8901782785	0.9999763851
ANKRD24	-4.2849908816	0.4028453076	0.9999763851
EBI3	0	0	0
CCDC94	-1.0328207578	0.9052833085	0.9999763851
TMIGD2	-4.2849908816	0.4028453076	0.9999763851
FSD1	-4.2849908816	0.4028453076	0.9999763851
STAP2	1.8134025452	0.5839701294	0.9999763851

gene_expression_table

MPND	-1.1745625425	0.5847105787	0.9999763851
SH3GL1	1.3625725331	0.0659705702	0.9999763851
CHAF1A	1.1875376103	0.2359816683	0.9999763851
UBXN6	1.0719831242	0.6449033605	0.9999763851
HDGFRP2	-1.1384030018	0.4773255691	0.9999763851
PLIN4	-1.9661492502	0.4738452784	0.9999763851
PLIN5	-2.5608228084	0.2884816449	0.9999763851
LRG1	-1.1144840443	0.4936927508	0.9999763851
SEMA6B	-2.011562566	0.2172147759	0.9999763851
TNFAIP8L1	1.170567477	0.4898465667	0.9999763851
MYDGF	1.0103185382	0.9393700802	0.9999763851
DPP9	1.2911107955	0.2503707114	0.9999763851
FEM1A	1.2106712876	0.5211185411	0.9999763851
TICAM1	-1.3380251034	0.3209490074	0.9999763851
PLIN3	-1.1070113067	0.4377086886	0.9999763851
ARRDC5	0	0	0
UHRF1	1.2429191645	0.2356182332	0.9999763851
KDM4B	1.0180068408	0.9156153488	0.9999763851
PTPRS	3.2353357581	0.554787377	0.9999763851
SAFB2	-1.5592662614	0.0311889825	0.9999763851
SAFB	-1.1755084641	0.3731025313	0.9999763851
LOC107985320	3.2361532718	0.5546934395	0.9999763851
C19orf70	1.1281916477	0.4789422159	0.9999763851
HSD11B1L	-1.2955873989	0.6211568569	0.9999763851
RPL36	1.1167669333	0.3595710433	0.9999763851
LONP1	1.1654789411	0.336149732	0.9999763851
CATSPERD	0	0	0
PRR22	5.4784711963	0.3745358536	0.9999763851
DUS3L	1.1602605742	0.5932537302	0.9999763851
NRTN	-1.816422855	0.4360212244	0.9999763851
FUT6	0	0	0
FUT5	0	0	0
NDUFA11	1.2405297017	0.1624475673	0.9999763851
VMAC	1.0156708	0.9843174313	0.9999763851
CAPS	1.9083992729	0.0863873725	0.9999763851
RANBP3	1.026674448	0.9010747607	0.9999763851
RFX2	-1.2460230533	0.3258045947	0.9999763851
ACSBG2	-1.1716993339	0.6820520076	0.9999763851
MLLT1	1.4801516776	0.027575056	0.9999763851
ACER1	-7.5647903763	0.2176246281	0.9999763851
CLPP	1.0564096296	0.6836389937	0.9999763851
ALKBH7	-1.3360448093	0.214090064	0.9999763851
PSPN	0	0	0
GTF2F1	1.2075004634	0.3388979875	0.9999763851
KHSRP	-1.060771175	0.6908056133	0.9999763851
SLC25A41	-1.6975288129	0.2822628035	0.9999763851
SLC25A23	1.2303930058	0.290532441	0.9999763851
CRB3	0	0	0
DENND1C	1.3736469229	0.2725320222	0.9999763851

gene_expression_table

TNFSF9	-5.4150770802	0.002095	0.9999763851
CD70	-1.3190802586	0.2023685913	0.9999763851
TNFSF14	-1.3783209169	0.2941263468	0.9999763851
C3	-3.3614101997	0.002049	0.9999763851
GPR108	1.2443704681	0.3561351474	0.9999763851
TRIP10	-1.9893343261	0.144428183	0.9999763851
SH2D3A	-1.5725867351	0.3749408036	0.9999763851
VAV1	-1.0433573602	0.7871238427	0.9999763851
ADGRE1	1.8309908604	0.2318677919	0.9999763851
MBD3L2	0	0	0
ZNF557	1.0956619805	0.6776500152	0.9999763851
INSR	1.0207636983	0.9051154068	0.9999763851
LOC107985283	-1.3157515262	0.822831887	0.9999763851
ARHGEF18	1.1051313581	0.5479029135	0.9999763851
PEX11G	-1.4150863318	0.6298602669	0.9999763851
C19orf45	0	0	0
ZNF358	0	0	0
PNPLA6	-1.4319521272	0.50340234	0.9999763851
XAB2	-1.3158816768	0.8203229797	0.9999763851
PET100	1.2761522657	0.1958612507	0.9999763851
PCP2	-2.5596117216	0.2621352285	0.9999763851
STXBP2	-1.1910501548	0.621473838	0.9999763851
RETN	1.2066055503	0.3030269637	0.9999763851
MCEMP1	-1.2671942003	0.0842823326	0.9999763851
TRAPPC5	1.1048722787	0.5167319418	0.9999763851
FCER2	-3.3693112949	0.0664786679	0.9999763851
CLEC4G	0	0	0
CD209	-10.7444032429	0.016846655	0.9999763851
CLEC4M	0	0	0
EVI5L	1.0065551119	0.9854709919	0.9999763851
LRRC8E	0	0	0
MAP2K7	1.0997097912	0.6742067383	0.9999763851
TGFBR3L	3.2353357581	0.554787377	0.9999763851
SNAPC2	1.1753816022	0.4974522329	0.9999763851
CTXN1	3.6309026086	0.0492490545	0.9999763851
TIMM44	-1.0300544651	0.899763472	0.9999763851
ELAVL1	1.2558480381	0.0857132023	0.9999763851
FBN3	3.2353357581	0.554787377	0.9999763851
CERS4	-1.0856424323	0.8747587319	0.9999763851
CD320	1.2384680585	0.4061169286	0.9999763851
NDUFA7	1.2000714918	0.3031412615	0.9999763851
RPS28	-1.0949611177	0.5270022575	0.9999763851
KANK3	3.7612496746	0.008217	0.9999763851
ANGPTL4	1.2868359435	0.8210199768	0.9999763851
RAB11B	1.0751482894	0.662666647	0.9999763851
MARCH2	1.2746699714	0.6347625844	0.9999763851
HNRNPM	-1.0876045946	0.4975784655	0.9999763851
PRAM1	1.5530451128	0.0288885423	0.9999763851
ZNF414	1.6418746427	0.3227716463	0.9999763851

gene_expression_table

MYO1F	1.2321566976	0.2492267318	0.9999763851
ZNF558	-1.3077795393	0.6073560301	0.9999763851
ZNF317	1.8437472423	0.0200195762	0.9999763851
OR7D2	3.2353357581	0.554787377	0.9999763851
ZNF699	-1.3154339304	0.8205576571	0.9999763851
ZNF559	-1.9412937271	0.1535158704	0.9999763851
ZNF559-ZNF177	0	0	0
ZNF177	-1.395165126	0.7000541941	0.9999763851
ZNF266	-1.5855899351	0.1208081883	0.9999763851
LOC105372269	3.2361532718	0.5546934395	0.9999763851
ZNF560	0	0	0
ZNF121	2.3097697104	0.1647584067	0.9999763851
ZNF561	-1.3625760305	0.4332846605	0.9999763851
ZNF562	1.0278478563	0.9759411348	0.9999763851
ZNF846	1.3489007316	0.6910545606	0.9999763851
FBXL12	-2.0146318623	0.0314833149	0.9999763851
UBL5	1.1453890918	0.3043822708	0.9999763851
PIN1	-1.0113289418	0.9481848371	0.9999763851
COL5A3	5.4770877341	0.3746135179	0.9999763851
RDH8	0	0	0
C19orf66	-3.9563917548	0.006909	0.9999763851
PPAN	-1.0434661196	0.9034271688	0.9999763851
P2RY11	1.3088342267	0.293462589	0.9999763851
EIF3G	1.3807552255	0.0630799767	0.9999763851
DNMT1	-1.0341768888	0.799917453	0.9999763851
S1PR2	1.1701717412	0.6593832046	0.9999763851
MRPL4	1.3778703189	0.0608340738	0.9999763851
ICAM1	1.1042375223	0.7878914631	0.9999763851
ICAM4	1.1596047671	0.7293259112	0.9999763851
ICAM5	-2.3217011239	0.4355938696	0.9999763851
ZGLP1	1.6254723588	0.5800651146	0.9999763851
FDX1L	1.277141552	0.463559857	0.9999763851
RAVER1	1.209729158	0.5925394386	0.9999763851
ICAM3	1.2560548125	0.1061860828	0.9999763851
TYK2	-1.172192962	0.5083594564	0.9999763851
CDC37	-1.0583853697	0.6754962068	0.9999763851
PDE4A	-10.8385246611	0.1451469791	0.9999763851
KEAP1	1.0024246813	0.987380383	0.9999763851
ATG4D	-3.6710485044	0.006046	0.9999763851
KRI1	1.9514877687	0.000978	0.7855409274
CDKN2D	-1.0176416257	0.9228580931	0.9999763851
AP1M2	-17.4476623799	0.0923403128	0.9999763851
SLC44A2	-1.6013360249	0.0529265119	0.9999763851
ILF3	-1.1506875844	0.2699617103	0.9999763851
QTRT1	1.2255213	0.7789922607	0.9999763851
DNM2	1.0783684779	0.6418444086	0.9999763851
TMED1	1.1600511197	0.4801875769	0.9999763851
C19orf38	-1.0031126323	0.9878742355	0.9999763851
CARM1	-4.3338228569	0.1410030633	0.9999763851

gene_expression_table

YIPF2	-1.0838099088	0.5363923334	0.9999763851
C19orf52	1.1815738793	0.43406435	0.9999763851
SMARCA4	1.2931038207	0.0756208693	0.9999763851
LDLR	-1.1245609235	0.4149174191	0.9999763851
SPC24	-1.0396375606	0.8393911704	0.9999763851
KANK2	1.5438777797	0.1118546573	0.9999763851
DOCK6	1.2432087164	0.5809991689	0.9999763851
TSPAN16	1.8239500745	0.2601331824	0.9999763851
RAB3D	1.0344029654	0.8288713433	0.9999763851
TMEM205	1.266972032	0.2214455334	0.9999763851
CCDC159	1.1331614061	0.8698784785	0.9999763851
PLPPR2	-1.0255207638	0.9242784129	0.9999763851
SWSAP1	1.8944409591	0.0741989658	0.9999763851
EPOR	-1.1030553504	0.8681350083	0.9999763851
RGL3	0	0	0
CCDC151	3.2353357581	0.554787377	0.9999763851
PRKCSH	1.7086746023	0.0809371027	0.9999763851
ELAVL3	3.2353357581	0.554787377	0.9999763851
ZNF653	2.3408621302	0.4285500168	0.9999763851
ECSIT	-1.2447180094	0.3320723652	0.9999763851
ELOF1	-1.1749043917	0.4502472849	0.9999763851
ZNF627	1.3673111203	0.4519520586	0.9999763851
ZNF823	0	0	0
ZNF491	0	0	0
ZNF440	1.7348614386	0.2550741511	0.9999763851
ZNF439	0	0	0
ZNF69	-1.5616830306	0.3459208614	0.9999763851
ZNF700	-1.2394518952	0.4439605209	0.9999763851
ZNF763	-4.2864494036	0.4027150576	0.9999763851
ZNF433	0	0	0
ZNF878	0	0	0
ZNF136	1.4848975885	0.5142317695	0.9999763851
ZNF442	0	0	0
ZNF799	1.2798565264	0.6274032214	0.9999763851
ZNF443	-1.1237477727	0.8346766123	0.9999763851
ZNF709	0	0	0
ZNF564	1.1953634879	0.7390137721	0.9999763851
ZNF490	-2.7526009596	0.1364593139	0.9999763851
ZNF791	1.6406834893	0.0765534114	0.9999763851
MAN2B1	-1.2473871228	0.1554489174	0.9999763851
WDR83	2.2534767074	0.3736000139	0.9999763851
WDR83OS	1.1213011145	0.4683338982	0.9999763851
DHPS	-1.1374078352	0.5531377708	0.9999763851
FBXW9	1.4641838996	0.2172858013	0.9999763851
TNPO2	-1.0068922956	0.9723402126	0.9999763851
C19orf43	1.188518324	0.3187821323	0.9999763851
ASNA1	1.044930903	0.8414235456	0.9999763851
HOOK2	-1.236041506	0.5072788673	0.9999763851
JUNB	-1.2871882981	0.1950891011	0.9999763851

gene_expression_table

PRDX2	1.5911808653	0.0175541418	0.9999763851
RNASEH2A	1.0491006103	0.7682562439	0.9999763851
RTBDN	7.7488609396	0.3058742041	0.9999763851
MAST1	-1.203182252	0.5063658999	0.9999763851
DNASE2	1.1011143421	0.5434091808	0.9999763851
KLF1	-1.4282479823	0.5509849511	0.9999763851
GCDH	-1.4401864441	0.0272734717	0.9999763851
SYCE2	-2.3209115874	0.459126456	0.9999763851
FARSA	1.1962938132	0.2495377331	0.9999763851
CALR	-1.0665205261	0.5879431423	0.9999763851
RAD23A	1.0564124502	0.7454474222	0.9999763851
GADD45GIP1	1.2748575742	0.0935895955	0.9999763851
DAND5	1.2869631997	0.8237304791	0.9999763851
NFIX	1.7539848782	0.002223	0.9999763851
LYL1	-1.14176961	0.4342653465	0.9999763851
TRMT1	1.1820551979	0.5101565895	0.9999763851
NACC1	1.179963469	0.4371382585	0.9999763851
STX10	-1.2654641634	0.1215484044	0.9999763851
IER2	1.1068412426	0.443562674	0.9999763851
CACNA1A	-5.8625844673	0.1006263162	0.9999763851
CCDC130	-1.329968573	0.3901617482	0.9999763851
MRI1	1.2276033781	0.3161152738	0.9999763851
C19orf53	1.0875709451	0.5955944596	0.9999763851
ZSWIM4	-2.0977020549	0.2415937482	0.9999763851
NANOS3	0	0	0
C19orf57	-1.3142040285	0.6183104986	0.9999763851
CC2D1A	-1.4329683871	0.4727581532	0.9999763851
PODNL1	-6.3477930347	0.0669450725	0.9999763851
DCAF15	1.0299222035	0.9650667014	0.9999763851
RFX1	1.1232814079	0.6696878922	0.9999763851
RLN3	-4.2864494036	0.4027150576	0.9999763851
IL27RA	-1.1665910418	0.3793536522	0.9999763851
LOC113230	-1.3154339304	0.8205576571	0.9999763851
C19orf67	0	0	0
SAMD1	1.350674756	0.681377295	0.9999763851
PRKACA	1.0771122766	0.6877791902	0.9999763851
ASF1B	1.0409118144	0.7898115151	0.9999763851
ADGRL1	1.2204170136	0.2161385347	0.9999763851
ADGRE5	1.1371801064	0.3738363588	0.9999763851
DDX39A	1.4214963773	0.0156647105	0.9999763851
PKN1	1.2652342951	0.5624099629	0.9999763851
GIPC1	1.9447136431	0.00812	0.9999763851
DNAJB1	-1.3798612032	0.0380106382	0.9999763851
TECR	-1.4904620976	0.2746231921	0.9999763851
NDUFB7	-1.0527236871	0.7684223425	0.9999763851
CLEC17A	-4.2849908816	0.4028453076	0.9999763851
ADGRE3	-1.8803545563	0.1642579369	0.9999763851
ZNF333	1.3185653742	0.3728589747	0.9999763851
ADGRE2	1.0144236072	0.9599128542	0.9999763851

gene_expression_table

OR7A5	0	0	0
SYDE1	3.2353357581	0.554787377	0.9999763851
ILVBL	1.1800650254	0.494192187	0.9999763851
NOTCH3	3.2353357581	0.554787377	0.9999763851
EPHX3	0	0	0
BRD4	-1.1031183158	0.5316358708	0.9999763851
AKAP8	1.0434406395	0.827607578	0.9999763851
AKAP8L	-1.4132215589	0.3460136155	0.9999763851
WIZ	1.2040232924	0.3609816264	0.9999763851
RASAL3	-1.08690536	0.6076477091	0.9999763851
PGLYRP2	0	0	0
CYP4F22	0	0	0
CYP4F3	3.2353357581	0.554787377	0.9999763851
CYP4F12	0	0	0
LOC102724279	0	0	0
TPM4	1.0047475783	0.9794641917	0.9999763851
RAB8A	-1.2147621074	0.318678006	0.9999763851
HSH2D	1.0000956864	0.9996720747	0.9999763851
CIB3	1.1331739081	0.8751456835	0.9999763851
FAM32A	1.0449403751	0.7430281327	0.9999763851
AP1M1	1.0957025428	0.5918646668	0.9999763851
KLF2	-1.3716482783	0.7377357014	0.9999763851
EPS15L1	-1.104850146	0.7032618746	0.9999763851
CALR3	0	0	0
C19orf44	1.2060563862	0.3770068219	0.9999763851
CHERP	-1.2840865018	0.3432705245	0.9999763851
SLC35E1	-1.1171876943	0.5338398185	0.9999763851
MED26	1.0920421038	0.6579561913	0.9999763851
SMIM7	1.2710635424	0.1292625443	0.9999763851
TMEM38A	1.1853704077	0.6685983586	0.9999763851
NWD1	1.3418641175	0.4166434705	0.9999763851
SIN3B	1.0651272837	0.7300792166	0.9999763851
F2RL3	-1.4588494716	0.1731350692	0.9999763851
CPAMD8	1.1163773708	0.8392195656	0.9999763851
HAUS8	1.4539838934	0.0949511196	0.9999763851
MYO9B	1.0575862861	0.7597026515	0.9999763851
USE1	-1.2589321822	0.4099483841	0.9999763851
OCEL1	-1.0360786651	0.9201574857	0.9999763851
NR2F6	-1.0434390209	0.7778087456	0.9999763851
USHBP1	-1.315303824	0.8206171563	0.9999763851
BABAM1	1.0023535744	0.9878339644	0.9999763851
ANKLE1	1.1928462817	0.413396744	0.9999763851
ABHD8	1.2164115278	0.7007122607	0.9999763851
MRPL34	1.168192583	0.3066185549	0.9999763851
DDA1	-1.0342436049	0.8390360265	0.9999763851
ANO8	-2.0965536249	0.2332674201	0.9999763851
GTPBP3	-1.0696056131	0.7130433817	0.9999763851
BST2	-1.3682671155	0.0351949524	0.9999763851
MVB12A	1.0221977985	0.918086836	0.9999763851

gene_expression_table

TMEM221	0	0	0
SLC27A1	-1.4155138243	0.205309565	0.9999763851
PGLS	1.1772694094	0.4346931168	0.9999763851
FAM129C	1.8133444484	0.5820708689	0.9999763851
COLGALT1	-1.1645773907	0.2105388261	0.9999763851
UNC13A	-4.2849908816	0.4028453076	0.9999763851
MAP1S	1.1152142222	0.6120908768	0.9999763851
FCHO1	-1.4825300559	0.3569365986	0.9999763851
B3GNT3	0	0	0
INSL3	-1.3158816768	0.8203229797	0.9999763851
JAK3	1.2479568125	0.2852848647	0.9999763851
RPL18A	1.0362622849	0.7655787262	0.9999763851
SLC5A5	1.3931546432	0.7807621158	0.9999763851
CCDC124	-1.7573998886	0.1404676335	0.9999763851
KCNN1	-4.2849908816	0.4028453076	0.9999763851
ARRDC2	-1.0420578029	0.8290474805	0.9999763851
IL12RB1	-1.3304326759	0.4803856778	0.9999763851
MAST3	-1.3902431567	0.2202203948	0.9999763851
PIK3R2	1.1391041232	0.503317144	0.9999763851
IFI30	1.2213401507	0.1093755748	0.9999763851
MPV17L2	2.006731798	0.0374239167	0.9999763851
RAB3A	3.393068638	0.2345545336	0.9999763851
PDE4C	0	0	0
JUND	-1.2975605905	0.1754813527	0.9999763851
LSM4	1.2314882538	0.1507983672	0.9999763851
PGPEP1	-1.0672426289	0.7225522779	0.9999763851
GDF15	-11.974701451	9.30E-10	4.17E-06
LRRC25	3.2353357581	0.554787377	0.9999763851
SSBP4	1.3691595692	0.123852906	0.9999763851
ISYNA1	-1.0850039112	0.7070786812	0.9999763851
ELL	-1.0851973974	0.6523613288	0.9999763851
FKBP8	1.2327525168	0.6438618149	0.9999763851
KXD1	0	0	0
UBA52	1.258996948	0.0603720892	0.9999763851
C19orf60	1.0678509819	0.7346196341	0.9999763851
CRLF1	-7.5622178268	0.2177145568	0.9999763851
TMEM59L	-1.3938490178	0.711903528	0.9999763851
KLHL26	-1.7743705246	0.0716707166	0.9999763851
CRTC1	1.3715789216	0.3429331257	0.9999763851
UPF1	1.7209669239	0.002821	0.9999763851
GDF1	-2.2884562891	0.1044500762	0.9999763851
CERS1	1.2663175364	0.6611603511	0.9999763851
COPE	-1.118457215	0.6186259207	0.9999763851
DDX49	1.5584694926	0.0337442047	0.9999763851
HOMER3	1.1356334013	0.3498093619	0.9999763851
SUGP2	-1.220507883	0.2297594156	0.9999763851
ARMC6	1.2359134521	0.2974950734	0.9999763851
SLC25A42	1.1334971085	0.6441541083	0.9999763851
TMEM161A	1.0323564321	0.8817325157	0.9999763851

gene_expression_table

MEF2B	-1.4284672166	0.4088004202	0.9999763851
BORCS8-MEF2B	2.1483330058	0.3686913481	0.9999763851
BORCS8	-1.5426848551	0.1903027911	0.9999763851
RFXANK	1.974984593	0.2028549091	0.9999763851
NR2C2AP	1.2679337948	0.1847407279	0.9999763851
HAPLN4	-4.2849908816	0.4028453076	0.9999763851
SUGP1	-1.0161600208	0.9586017219	0.9999763851
MAU2	-1.2724378149	0.1797417092	0.9999763851
GATAD2A	1.0414624372	0.7734147895	0.9999763851
TSSK6	0	0	0
NDUFA13	-1.036523514	0.8005878088	0.9999763851
YJEFN3	-4.3420972042	0.0743571444	0.9999763851
CILP2	1.0308468109	0.9442482056	0.9999763851
PBX4	-1.4083241465	0.6552973937	0.9999763851
LPAR2	-1.9932034713	0.0716191759	0.9999763851
GMIP	-1.0000082075	0.9999763851	0.9999763851
ATP13A1	1.1508529835	0.5603698158	0.9999763851
ZNF101	1.0968099086	0.7165769868	0.9999763851
ZNF14	0	0	0
ZNF506	-1.6383542693	0.0609889926	0.9999763851
ZNF253	-1.174829898	0.8464488482	0.9999763851
ZNF93	0	0	0
ZNF486	0	0	0
ZNF430	-1.0050487102	0.9848865971	0.9999763851
ZNF714	1.1450199936	0.7659512768	0.9999763851
ZNF431	-1.3508186367	0.5022449639	0.9999763851
ZNF708	1.0588106662	0.8515586677	0.9999763851
ZNF493	0	0	0
ZNF429	0	0	0
ZNF100	-1.1844868221	0.700286769	0.9999763851
ZNF43	3.2353357581	0.554787377	0.9999763851
ZNF729	0	0	0
ZNF730	1.287203384	0.8324480351	0.9999763851
ZNF675	-1.0152663785	0.9641430436	0.9999763851
ZNF254	-1.0200593627	0.9586956875	0.9999763851
UQCRFS1	1.1772909376	0.1689067453	0.9999763851
VSTM2B	0	0	0
POP4	-1.1287755297	0.4340563848	0.9999763851
PLEKHF1	-1.1529109595	0.4840961211	0.9999763851
C19orf12	1.3028919319	0.1954862848	0.9999763851
CCNE1	1.2599541703	0.3200018237	0.9999763851
URI1	-1.0612629508	0.6993543851	0.9999763851
ZNF536	1.7605129081	0.0739351419	0.9999763851
TSHZ3	-1.1778040165	0.5042247148	0.9999763851
ZNF507	-1.4210999367	0.1800575937	0.9999763851
DPY19L3	1.0458725953	0.8575604443	0.9999763851
PDCD5	1.1122836288	0.4877638429	0.9999763851
ANKRD27	-1.0550973845	0.7256109675	0.9999763851
RGS9BP	-5.5346559238	0.0330569473	0.9999763851

gene_expression_table

NUDT19	1.5375750441	0.0296016008	0.9999763851
TDRD12	3.2353357581	0.554787377	0.9999763851
CEP89	1.550549155	0.2040435653	0.9999763851
FAAP24	1.2712477602	0.5291976717	0.9999763851
RHPN2	2.5210001938	0.2515222021	0.9999763851
GPATCH1	1.0620510624	0.8793102262	0.9999763851
WDR88	1.4731942122	0.5491208182	0.9999763851
LRP3	1.1183780443	0.5624901374	0.9999763851
CEBPA	-1.0187671465	0.8758094332	0.9999763851
CEBPG	-1.126382668	0.506193469	0.9999763851
PEPD	1.1744697588	0.3271218182	0.9999763851
KCTD15	1.7165250546	0.1627603716	0.9999763851
LSM14A	-1.4114598045	0.0347094855	0.9999763851
KIAA0355	-1.4409190307	0.4015704955	0.9999763851
GPI	1.1169672958	0.3933933461	0.9999763851
PDCD2L	-1.0521270905	0.8432000573	0.9999763851
UBA2	1.140056611	0.3031816718	0.9999763851
WTIP	-1.3708355312	0.7472226321	0.9999763851
ZNF302	-1.3065945973	0.6074229245	0.9999763851
ZNF181	-1.0852370907	0.9019261501	0.9999763851
ZNF792	-7.5622178268	0.2177145568	0.9999763851
GRAMD1A	1.1988354147	0.3962738541	0.9999763851
SCN1B	1.7450428903	0.6326558576	0.9999763851
LGI4	0	0	0
FXYP7	5.4776292235	0.3745831165	0.9999763851
FXYP5	1.3897175581	0.0440841643	0.9999763851
LSR	-1.6780739121	0.4519648594	0.9999763851
USF2	1.018900114	0.8874526422	0.9999763851
CD22	1.1262394215	0.7189758098	0.9999763851
FFAR3	-17.404035928	0.0706253351	0.9999763851
FFAR2	2.1587484894	0.0613231554	0.9999763851
SBSN	3.2353357581	0.554787377	0.9999763851
GAPDHS	2.7870243652	0.0983219931	0.9999763851
TMEM147	1.2486827984	0.1181700194	0.9999763851
ATP4A	0	0	0
HAUS5	-1.0607880166	0.826834255	0.9999763851
RBM42	1.1316878188	0.4859249812	0.9999763851
ETV2	2.3404251821	0.4104012847	0.9999763851
COX6B1	1.2649078108	0.0803501159	0.9999763851
UPK1A	0	0	0
ZBTB32	-1.9663843334	0.4762692525	0.9999763851
KMT2B	1.2401084497	0.258106832	0.9999763851
IGFLR1	-1.3392406917	0.2349802551	0.9999763851
U2AF1L4	-2.3871793711	0.2311721631	0.9999763851
PSENEN	1.7168524355	0.0226245132	0.9999763851
LIN37	4.770728625	0.1333582974	0.9999763851
HSPB6	0	0	0
PROSER3	-1.9656080095	0.4359316876	0.9999763851
ARHGAP33	-1.1607449466	0.6901124672	0.9999763851

gene_expression_table

KIRREL2	2.1108802346	0.1328099687	0.9999763851
APLP1	1.8888297566	0.5936992478	0.9999763851
NFKBID	1.4591297179	0.3162321115	0.9999763851
HCST	1.2162778238	0.1773945926	0.9999763851
TYROBP	-1.0698344336	0.8759333206	0.9999763851
LRFN3	2.782915368	0.0598035455	0.9999763851
SDHAF1	-1.0812139872	0.7547851136	0.9999763851
SYNE4	5.4790129495	0.3774309405	0.9999763851
ALKBH6	1.0854964152	0.7792558418	0.9999763851
LOC101927572	-1.0273204946	0.9450611489	0.9999763851
CLIP3	15.3448820323	0.1557484147	0.9999763851
THAP8	-1.1087957893	0.8313746422	0.9999763851
WDR62	1.5228955501	0.1205806125	0.9999763851
OVOL3	0	0	0
POLR2I	1.0813004963	0.680927184	0.9999763851
TBCB	1.008595631	0.9566565273	0.9999763851
CAPNS1	1.0059641127	0.9706914368	0.9999763851
COX7A1	0	0	0
ZNF565	1.1716150989	0.7789193114	0.9999763851
ZNF146	-1.282320363	0.2028167784	0.9999763851
ZFP14	-1.942139423	0.1365790865	0.9999763851
ZFP82	3.2353357581	0.554787377	0.9999763851
ZNF566	-1.1576370621	0.746501348	0.9999763851
ZNF260	1.3021448763	0.3474622915	0.9999763851
ZNF529	1.0454950652	0.8789054797	0.9999763851
ZNF461	-2.0611818492	0.296684002	0.9999763851
ZNF567	-1.0030988635	0.9907191506	0.9999763851
ZNF850	1.2311394327	0.4950012034	0.9999763851
LOC728485	0	0	0
ZNF790	0	0	0
ZNF345	2.3412218143	0.4038852691	0.9999763851
ZNF829	-2.3214980365	0.437464777	0.9999763851
ZNF568	0	0	0
ZNF420	-1.4428110141	0.297842089	0.9999763851
ZNF585A	24.0213517934	0.0971698279	0.9999763851
ZNF585B	5.4784711963	0.3745358536	0.9999763851
ZNF383	-1.087491429	0.8275230563	0.9999763851
HKR1	-1.9857123279	0.1461566059	0.9999763851
ZNF527	1.9110845344	0.2046502702	0.9999763851
ZNF569	-1.0537249313	0.9204722266	0.9999763851
ZNF570	1.9661194815	0.3814700456	0.9999763851
ZNF793	0	0	0
ZNF540	3.2356557963	0.5547505991	0.9999763851
ZNF571	5.4790129495	0.3776249757	0.9999763851
ZFP30	0	0	0
ZNF607	0	0	0
SIPA1L3	-1.194843005	0.5213605425	0.9999763851
DPF1	1.2120222182	0.5137053162	0.9999763851
SPINT2	1.624741281	0.5893738657	0.9999763851

gene_expression_table

YIF1B	1.0025147799	0.9921767598	0.9999763851
C19orf33	0	0	0
KCNK6	-1.039143791	0.8670370476	0.9999763851
CATSPERG	-2.8431696679	0.2709621775	0.9999763851
PSMD8	-1.0192178655	0.8945608085	0.9999763851
SPRED3	1.1536776807	0.8524553733	0.9999763851
FAM98C	1.022245923	0.9501898781	0.9999763851
RASGRP4	2.2027818203	0.3663459935	0.9999763851
RYR1	-7.5622178268	0.2177145568	0.9999763851
MAP4K1	1.1209913177	0.6223630361	0.9999763851
EIF3K	1.0383768195	0.7603377663	0.9999763851
ACTN4	1.2976809049	0.1145552614	0.9999763851
CAPN12	-1.3796902431	0.012665087	0.9999763851
LGALS4	0	0	0
ECH1	1.1721289439	0.2799094086	0.9999763851
HNRNPL	-1.2733889453	0.0931311678	0.9999763851
RINL	1.0802422362	0.8512795235	0.9999763851
SIRT2	-1.1697994047	0.3073362798	0.9999763851
NFKBIB	1.0200362961	0.924682609	0.9999763851
CCER2	-2.5616934468	0.2769879973	0.9999763851
SARS2	-1.3222868533	0.2987108518	0.9999763851
MRPS12	1.1190552069	0.4674276995	0.9999763851
FBXO17	0	0	0
ACP7	0	0	0
PAK4	-7.5622178268	0.2177145568	0.9999763851
LRFN1	-3.9243769581	0.0578185971	0.9999763851
GMFG	1.1419539468	0.2943796043	0.9999763851
SAMD4B	1.4744681007	0.0652897265	0.9999763851
PAF1	-1.0365571328	0.877355226	0.9999763851
MED29	1.1056219059	0.7161951057	0.9999763851
ZFP36	-1.0677426957	0.9246624071	0.9999763851
PLEKHG2	1.1732088536	0.6045118843	0.9999763851
RPS16	1.1132725498	0.3724981715	0.9999763851
SUPT5H	-1.0265546878	0.8641094878	0.9999763851
TIMM50	1.3030867946	0.2430070654	0.9999763851
DLL3	-1.0182668643	0.9338421726	0.9999763851
EID2B	-1.5846035454	0.3623022762	0.9999763851
EID2	1.0050574537	0.9831775339	0.9999763851
CLC	0	0	0
DYRK1B	1.2870761236	0.8160709833	0.9999763851
FBL	1.2141608841	0.1396279423	0.9999763851
FCGBP	3.2353357581	0.554787377	0.9999763851
PSMC4	1.1812636775	0.4169669492	0.9999763851
ZNF546	-1.3438516515	0.5337433512	0.9999763851
ZNF780B	1.0312722972	0.9328013402	0.9999763851
ZNF780A	-1.3748759807	0.4110451153	0.9999763851
MAP3K10	1.0274983165	0.9757178065	0.9999763851
TTC9B	0	0	0
AKT2	-1.0366528986	0.7824341187	0.9999763851

gene_expression_table

C19orf47	1.3953182585	0.0790198063	0.9999763851
PLD3	1.1743261678	0.5845949101	0.9999763851
HIPK4	3.2356557963	0.5547505991	0.9999763851
PRX	1.0617559242	0.8941938323	0.9999763851
SERTAD1	-1.1190427674	0.6521815279	0.9999763851
SERTAD3	-1.9475004969	0.3568459862	0.9999763851
BLVRB	-1.103208099	0.5474918928	0.9999763851
SPTBN4	-3.1553169002	0.1652074601	0.9999763851
SHKBP1	1.3015885853	0.1676048204	0.9999763851
LTBP4	-1.0873265326	0.8073260356	0.9999763851
NUMBL	-1.1144198402	0.6051521208	0.9999763851
ADCK4	1.3541179499	0.6294672651	0.9999763851
ITPKC	1.0765594593	0.8962739866	0.9999763851
C19orf54	1.3673573351	0.4965025997	0.9999763851
SNRPA	-1.0429569508	0.8030501225	0.9999763851
MIA	-4.2849908816	0.4028453076	0.9999763851
RAB4B	1.3303015586	0.4237052938	0.9999763851
EGLN2	-1.0672456891	0.6909986646	0.9999763851
CYP2A6	-7.5647903763	0.2176246281	0.9999763851
CYP2F1	0	0	0
CYP2S1	-2.3560083799	0.0641377222	0.9999763851
AXL	0	0	0
HNRNPUL1	1.109375286	0.4258483918	0.9999763851
CCDC97	1.4894233582	0.1695499826	0.9999763851
TGFB1	1.2275260648	0.4393872213	0.9999763851
B9D2	1.4262436006	0.2773051974	0.9999763851
TMEM91	-1.4336294793	0.4716756365	0.9999763851
EXOSC5	1.2381162237	0.327317703	0.9999763851
BCKDHA	-1.0446883288	0.7808739272	0.9999763851
B3GNT8	2.1044296444	0.1878333908	0.9999763851
ATP5SL	1.0180386352	0.9356427133	0.9999763851
CEACAM21	-1.0674131201	0.8158938724	0.9999763851
CEACAM4	-1.0988817322	0.741850741	0.9999763851
CEACAM5	3.9201049863	0.1888099258	0.9999763851
CEACAM6	1.366958711	0.0159119563	0.9999763851
CEACAM3	3.2356557963	0.5547505991	0.9999763851
LYPD4	3.2353357581	0.554787377	0.9999763851
RPS19	-1.1704762672	0.1862745414	0.9999763851
CD79A	1.0381604432	0.8810816681	0.9999763851
ARHGEF1	1.0595436806	0.797740665	0.9999763851
LOC390937	-2.6249844518	0.2433007306	0.9999763851
RABAC1	1.0887455155	0.6769241019	0.9999763851
GRIK5	3.2361532718	0.5546934395	0.9999763851
ZNF574	-1.2596555089	0.5258323709	0.9999763851
POU2F2	1.1864798477	0.5293596068	0.9999763851
DEDD2	1.3836654999	0.1331275035	0.9999763851
ZNF526	3.7495951467	0.0246731341	0.9999763851
GSK3A	1.2241412544	0.3701637809	0.9999763851
ERF	-1.0657115305	0.7837117845	0.9999763851

gene_expression_table

CIC	1.5005838045	0.2791406121	0.9999763851
PAFAH1B3	1.2248115336	0.2011585062	0.9999763851
PRR19	2.2305031351	0.3590599981	0.9999763851
TMEM145	1.6242600155	0.5618938402	0.9999763851
MEGF8	1.0140526777	0.9698364098	0.9999763851
CNFN	1.455553068	0.4718050591	0.9999763851
LIPE	1.0763878196	0.9030624767	0.9999763851
CXCL17	-4.2849908816	0.4028453076	0.9999763851
CEACAM1	1.2869488883	0.821524196	0.9999763851
CEACAM8	0	0	0
TEX101	1.1427172643	0.7752940779	0.9999763851
LYPD3	1.0277462901	0.9757639819	0.9999763851
PHLDB3	2.0209619459	0.1693862273	0.9999763851
ETHE1	1.2030676682	0.3063933712	0.9999763851
ZNF575	-1.4420864275	0.3613565856	0.9999763851
XRCC1	-1.5486171134	0.4223561277	0.9999763851
PINLYP	-4.0879703482	0.0149316273	0.9999763851
IRGQ	-1.4980248305	0.2369980283	0.9999763851
ZNF576	-1.1802836473	0.4536333322	0.9999763851
ZNF428	-1.1463823201	0.4346741804	0.9999763851
CADM4	1.0273967864	0.9753772823	0.9999763851
PLAUR	-2.5494303999	5.84E-08	0.0001849
SMG9	1.0643686479	0.8602521217	0.9999763851
KCNN4	-1.3414473019	0.0782650218	0.9999763851
LYPD5	0	0	0
ZNF283	0	0	0
ZNF45	-1.0416330641	0.9063517637	0.9999763851
ZNF221	-4.2849908816	0.4028453076	0.9999763851
ZNF155	-1.5437509479	0.349932048	0.9999763851
ZNF230	-1.063351306	0.8895821798	0.9999763851
ZNF222	5.4770877341	0.3746135179	0.9999763851
ZNF284	0	0	0
ZNF224	-1.0099162218	0.9847656349	0.9999763851
ZNF225	1.225293246	0.7587253944	0.9999763851
ZNF226	-1.7095938638	0.0699030905	0.9999763851
ZNF227	-1.2068284073	0.4516690809	0.9999763851
ZNF233	2.3412218143	0.403714452	0.9999763851
ZNF235	16.6918753579	0.1319658723	0.9999763851
ZNF229	0	0	0
ZNF180	1.1121894999	0.7504108903	0.9999763851
CEACAM20	0	0	0
PVR	-1.1416513844	0.4669493586	0.9999763851
CEACAM19	2.3390875834	0.423386324	0.9999763851
BCL3	1.8670053592	0.0541134572	0.9999763851
BCAM	0	0	0
NECTIN2	1.3272955974	0.4503217028	0.9999763851
TOMM40	1.2365766771	0.2393519921	0.9999763851
APOE	-1.3151016298	0.8211851345	0.9999763851
APOC4	0	0	0

gene_expression_table

APOC2	-1.068702738	0.8808334266	0.9999763851
CLPTM1	1.4290402066	0.4325616374	0.9999763851
RELB	1.0026756297	0.9904703416	0.9999763851
CLASRP	-1.002857596	0.9914675148	0.9999763851
ZNF296	1.9583043179	0.1676626037	0.9999763851
GEMIN7	1.1834480789	0.6448037116	0.9999763851
PPP1R37	-1.01653746	0.9690241408	0.9999763851
NKPD1	-1.9649399627	0.4616023013	0.9999763851
TRAPPC6A	-1.1606377885	0.3749032272	0.9999763851
BLOC1S3	1.0689667084	0.8563521145	0.9999763851
MARK4	-1.5635414544	0.0708552079	0.9999763851
KLC3	-1.5912207724	0.2297503593	0.9999763851
ERCC2	1.2457882067	0.5862528268	0.9999763851
PPP1R13L	1.5485442135	0.4096446861	0.9999763851
CD3EAP	1.1013421799	0.5666060588	0.9999763851
ERCC1	-1.0111807915	0.9752343262	0.9999763851
FOSB	1.8535308482	0.2746503873	0.9999763851
RTN2	-1.2692341856	0.5758578917	0.9999763851
PPM1N	-1.5528893325	0.6370113367	0.9999763851
VASP	-1.4327478803	0.0125423453	0.9999763851
OPA3	1.5617030755	0.0391911105	0.9999763851
GPR4	-4.2864494036	0.4027150576	0.9999763851
EML2	-1.0687677289	0.7416380977	0.9999763851
GIPR	-1.3944153431	0.6946684156	0.9999763851
SNRPD2	1.113381032	0.3721558782	0.9999763851
QPCTL	-1.2932039271	0.6293083934	0.9999763851
FBXO46	-1.2590527892	0.2699124358	0.9999763851
BHMG1	0	0	0
SIX5	-1.3939868197	0.7079482006	0.9999763851
DMPK	0	0	0
DMWD	-1.1490733186	0.858679221	0.9999763851
SYMPK	-1.0767178987	0.7216211299	0.9999763851
FOXA3	0	0	0
MYPOP	-1.3960016768	0.1607620593	0.9999763851
NANOS2	0	0	0
CCDC61	1.4538178923	0.4747774916	0.9999763851
HIF3A	3.2353357581	0.554787377	0.9999763851
PPP5C	1.0740835145	0.8202663644	0.9999763851
PPP5D1	-4.3494677458	0.0470903699	0.9999763851
CALM3	-1.0411206757	0.7552019338	0.9999763851
PTGIR	-1.3161718537	0.8295213067	0.9999763851
GNG8	0	0	0
DACT3	-14.1139127893	0.1036616799	0.9999763851
PRKD2	-1.0583648998	0.8091138058	0.9999763851
LOC107987269	0	0	0
STRN4	1.3423800262	0.2162409437	0.9999763851
FKRP	2.6298086381	0.0977192164	0.9999763851
SLC1A5	-1.1994240326	0.1760075585	0.9999763851
AP2S1	1.0393096086	0.8169524361	0.9999763851

gene_expression_table

ARHGAP35	1.1967377613	0.3890986999	0.9999763851
NPAS1	-1.6524072588	0.2843434323	0.9999763851
TMEM160	1.1249404561	0.623597631	0.9999763851
ZC3H4	1.0812500535	0.6385480359	0.9999763851
SAE1	1.0464893113	0.7145275517	0.9999763851
BBC3	-1.661239928	0.0209794549	0.9999763851
CCDC9	-2.5516036663	0.1117933054	0.9999763851
INAFM1	2.0227082105	0.0683638421	0.9999763851
C5AR1	-1.3951494284	0.6924416979	0.9999763851
C5AR2	3.2353357581	0.554787377	0.9999763851
DHX34	1.3096884437	0.3858037405	0.9999763851
MEIS3	-5.3420894951	0.1069892491	0.9999763851
SLC8A2	0	0	0
KPTN	-1.1095493821	0.8171788564	0.9999763851
NAPA	1.4176889383	0.0627529124	0.9999763851
ZNF541	1.321204212	0.6513570406	0.9999763851
GLTSCR1	1.1671718	0.7542152158	0.9999763851
EHD2	-1.1712402541	0.7053738199	0.9999763851
GLTSCR2	1.1616039842	0.6158765615	0.9999763851
SEPW1	-1.1272745011	0.5108096469	0.9999763851
SULT2A1	0	0	0
BSPH1	0	0	0
ELSPBP1	0	0	0
PLA2G4C	3.2353357581	0.554787377	0.9999763851
LIG1	-1.0675033587	0.7061260964	0.9999763851
C19orf68	-1.0723377799	0.8278574481	0.9999763851
CARD8	-1.1064731205	0.5296619953	0.9999763851
ZNF114	-1.136490973	0.7996290466	0.9999763851
CCDC114	1.8888297566	0.5936560099	0.9999763851
EMP3	1.0400848455	0.8336817388	0.9999763851
TMEM143	-1.2216551083	0.6572253979	0.9999763851
SYNGR4	-1.3161718537	0.8297458114	0.9999763851
KDELRL1	-1.1123007939	0.5025335538	0.9999763851
GRIN2D	-1.3751873623	0.3821126918	0.9999763851
GRWD1	1.0279248939	0.8519975167	0.9999763851
KCNJ14	1.0477755851	0.8933885045	0.9999763851
CYTH2	1.1145325251	0.6188708424	0.9999763851
LMTK3	1.0308108187	0.9549662693	0.9999763851
SULT2B1	-4.287394647	0.4026306792	0.9999763851
FAM83E	1.2872739558	0.8230399183	0.9999763851
RPL18	1.0198195528	0.8788417354	0.9999763851
SPHK2	-1.3493136485	0.3861514809	0.9999763851
DBP	-1.0785712517	0.7543578431	0.9999763851
CA11	-1.6023531879	0.1434093561	0.9999763851
NTN5	-7.5664585246	0.2254051562	0.9999763851
FUT2	-1.4081078364	0.6612397999	0.9999763851
MAMSTR	-2.5591355727	0.2872197658	0.9999763851
RASIP1	-1.0343869119	0.9624580852	0.9999763851
IZUMO1	0	0	0

gene_expression_table

FUT1	0	0	0
BCAT2	1.0105452535	0.9599240277	0.9999763851
HSD17B14	-4.3352959826	0.1432739397	0.9999763851
PLEKHA4	-7.5977820511	0.002836	0.9999763851
PPP1R15A	-1.2745292358	0.1461808215	0.9999763851
TULP2	-4.287394647	0.4026306792	0.9999763851
NUCB1	1.3190344221	0.2414531077	0.9999763851
DHDH	5.4790129495	0.3778264384	0.9999763851
BAX	-1.629117792	0.3238138062	0.9999763851
FTL	-1.0051865821	0.9647772864	0.9999763851
GYS1	1.1448717847	0.4899095965	0.9999763851
RUVBL2	-1.1077362151	0.5325007457	0.9999763851
CGB7	-4.287394647	0.4026306792	0.9999763851
SNRNP70	1.1732365625	0.2275842871	0.9999763851
LIN7B	1.2887116085	0.6524852855	0.9999763851
C19orf73	7.7204093521	0.2874544417	0.9999763851
PPFIA3	-1.4417878993	0.4169973529	0.9999763851
TRPM4	-1.1262199596	0.567473403	0.9999763851
SLC6A16	1.0605024554	0.9032518638	0.9999763851
CD37	-1.0431939783	0.7776884927	0.9999763851
TEAD2	-2.2372730517	0.3101430576	0.9999763851
DKKL1	-1.9496368441	0.3265476433	0.9999763851
CCDC155	1.287203384	0.8328960235	0.9999763851
SLC17A7	0	0	0
PIH1D1	-1.0011084901	0.9951409641	0.9999763851
ALDH16A1	1.1355003882	0.4593998874	0.9999763851
FLT3LG	-1.3968316357	0.6231752741	0.9999763851
RPL13A	-1.0518943864	0.6629629285	0.9999763851
RPS11	1.1678348468	0.2146361635	0.9999763851
FCGRT	-1.0356988155	0.8341891284	0.9999763851
RCN3	5.4776292235	0.3745831165	0.9999763851
NOSIP	1.3080638019	0.2155709172	0.9999763851
PRRG2	2.3396033966	0.4194162393	0.9999763851
PRR12	1.0728812783	0.8309405961	0.9999763851
RRAS	-1.3871978116	0.3767950736	0.9999763851
SCAF1	-2.6584638529	0.2215162537	0.9999763851
IRF3	1.049196881	0.8252494282	0.9999763851
BCL2L12	1.0591129027	0.7106976928	0.9999763851
PRMT1	-1.0998424179	0.546788991	0.9999763851
ADM5	1.4251505961	0.4231625047	0.9999763851
TSKS	-1.3154339304	0.8205576571	0.9999763851
AP2A1	-1.6388669327	0.2788528738	0.9999763851
FUZ	1.5105242113	0.5630238503	0.9999763851
MED25	-1.7854938727	0.003728	0.9999763851
PTOV1	1.1442499687	0.4675560649	0.9999763851
PNKP	1.2255983844	0.5128723529	0.9999763851
AKT1S1	-2.4060941143	0.0543292565	0.9999763851
TBC1D17	-1.2770352695	0.6501125273	0.9999763851
IL4I1	-1.1513118791	0.7190317952	0.9999763851

gene_expression_table

NUP62	1.1903578148	0.1943777625	0.9999763851
ATF5	-1.0057960537	0.9748064755	0.9999763851
VRK3	-1.2229879211	0.3565817158	0.9999763851
ZNF473	1.2067235764	0.4878643051	0.9999763851
MYH14	-1.315303824	0.8206171563	0.9999763851
NAPSA	0	0	0
NR1H2	2.1303847456	0.0203213037	0.9999763851
POLD1	1.0289925255	0.8999166998	0.9999763851
FAM71E1	-4.2849908816	0.4028453076	0.9999763851
EMC10	1.1349048304	0.5110679374	0.9999763851
JOSD2	-1.2556552222	0.7305609006	0.9999763851
ASPDH	0	0	0
LRRC4B	5.4784711963	0.3745358536	0.9999763851
SYT3	14.4482274128	0.150899916	0.9999763851
C19orf81	1.3262316595	0.7525282844	0.9999763851
SHANK1	1.178525712	0.6299590747	0.9999763851
CLEC11A	1.0727650825	0.6812810122	0.9999763851
ACPT	2.5187299588	0.2457619387	0.9999763851
C19orf48	1.0717669009	0.7770421264	0.9999763851
KLK1	0	0	0
KLK6	3.2353357581	0.554787377	0.9999763851
CTU1	1.9904122338	0.287607171	0.9999763851
SIGLEC9	1.8144198156	0.5860132782	0.9999763851
SIGLEC7	-1.443902089	0.3292552504	0.9999763851
CD33	1.049246854	0.7644264115	0.9999763851
SIGLECL1	0	0	0
IGLON5	0	0	0
VSIG10L	-2.461315534	0.2088619118	0.9999763851
ETFB	1.2487341727	0.1826772009	0.9999763851
CLDND2	-2.156860942	0.0197790359	0.9999763851
NKG7	1.079839729	0.6225749946	0.9999763851
SIGLEC10	1.2033077928	0.4789055168	0.9999763851
SIGLEC8	-2.4274267559	0.4444039917	0.9999763851
SIGLEC12	1.0869683407	0.7276379404	0.9999763851
SIGLEC6	-1.2763103583	0.1994636503	0.9999763851
ZNF175	2.3109853843	0.1780900813	0.9999763851
SIGLEC5	1.0715381111	0.6991735065	0.9999763851
SIGLEC14	1.1985595417	0.4650412219	0.9999763851
SPACA6	-1.1907355565	0.533735572	0.9999763851
HAS1	0	0	0
FPR1	-4.3342515471	0.1410261823	0.9999763851
FPR2	-1.0944884231	0.7128019938	0.9999763851
FPR3	-4.2849908816	0.4028453076	0.9999763851
ZNF577	2.9478558986	0.0691812863	0.9999763851
ZNF649	-2.2030645698	0.1688809464	0.9999763851
ZNF613	3.3935897477	0.2591478647	0.9999763851
ZNF614	-1.5930784051	0.2579458416	0.9999763851
ZNF432	3.6398918228	0.0416544689	0.9999763851
ZNF616	1.5493902735	0.3957245407	0.9999763851

gene_expression_table

PPP2R1A	1.0748334908	0.6200826654	0.9999763851
ZNF766	-1.2626839641	0.538898979	0.9999763851
ZNF480	1.174316906	0.4675532091	0.9999763851
ZNF528	0	0	0
ZNF578	0	0	0
ZNF808	-4.2864494036	0.4027150576	0.9999763851
ZNF701	-4.2849908816	0.4028453076	0.9999763851
ZNF83	1.2196138221	0.4346787527	0.9999763851
ZNF611	1.07432532	0.8555485013	0.9999763851
ZNF28	1.0296736943	0.9675240215	0.9999763851
ZNF468	1.4334329897	0.4259407477	0.9999763851
ZNF320	-4.2864494036	0.4027150576	0.9999763851
ZNF888	1.1341380884	0.6968534675	0.9999763851
ZNF816-ZNF321P	-1.0853248114	0.8761045508	0.9999763851
ZNF816	3.2353357581	0.554787377	0.9999763851
ZNF160	-1.0571636065	0.8736442425	0.9999763851
ZNF415	3.2353357581	0.554787377	0.9999763851
ZNF347	0	0	0
ZNF665	-1.3154339304	0.8205576571	0.9999763851
ZNF677	0	0	0
ZNF845	1.6724224215	0.3465125467	0.9999763851
ZNF761	-1.2058523068	0.6360230421	0.9999763851
ZNF813	0	0	0
ZNF331	0	0	0
NLRP12	1.9656449183	0.36154752	0.9999763851
MYADM	-1.0236776646	0.8771176713	0.9999763851
CACNG6	0	0	0
OSCAR	1.6411409338	0.0360841278	0.9999763851
NDUFA3	-1.1704791342	0.3323736151	0.9999763851
TFPT	1.0755760503	0.737005642	0.9999763851
PRPF31	1.3970834559	0.060304803	0.9999763851
CNOT3	1.0615476676	0.8537583953	0.9999763851
LENG1	1.339639958	0.6059754243	0.9999763851
TMC4	-20.6829910744	0.0563788217	0.9999763851
MBOAT7	-1.0718011147	0.7027683832	0.9999763851
TSEN34	1.0371678772	0.8136438245	0.9999763851
RPS9	-1.106439253	0.4327492923	0.9999763851
LILRB3	-1.8163232553	0.4523888332	0.9999763851
LILRB2	1.6933529607	0.2997621671	0.9999763851
LILRA5	0	0	0
LILRA4	0	0	0
LAIR1	-1.09273269	0.5987598898	0.9999763851
TTYH1	-6.0681194476	0.0987663897	0.9999763851
LENG8	1.3410024408	0.7175063525	0.9999763851
LENG9	-1.0590040249	0.8394594159	0.9999763851
LAIR2	-2.3214980365	0.4375012815	0.9999763851
LILRA2	1.2596261728	0.1273875514	0.9999763851
LILRA1	1.2872739558	0.8230618026	0.9999763851
LILRB1	-4.3497596498	0.0424561003	0.9999763851

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LILRB4	-4.2864494036	0.4027150576	0.9999763851
KIR2DL3	-4.2864494036	0.4027150576	0.9999763851
KIR2DL1	0	0	0
KIR2DL4	7.7488609396	0.3058529326	0.9999763851
KIR3DL2	1.6245986645	0.5891121414	0.9999763851
FCAR	1.3987124065	0.058184229	0.9999763851
NCR1	-1.7405372638	0.3492323171	0.9999763851
NLRP7	1.2335574408	0.4277296328	0.9999763851
NLRP2	-1.4204723584	0.6090314739	0.9999763851
GP6	-1.817658111	0.4899045682	0.9999763851
RDH13	-1.0610519349	0.7618954391	0.9999763851
EPS8L1	-2.0459777417	0.1652741858	0.9999763851
PPP1R12C	-1.0332644239	0.8711410271	0.9999763851
TNNT1	-1.1123683504	0.5554711241	0.9999763851
TNNI3	1.4680150042	0.4822226802	0.9999763851
DNAAF3	1.4352142164	0.2459729858	0.9999763851
SYT5	-1.3161718537	0.8299542244	0.9999763851
PTPRH	-1.3946909469	0.7145899032	0.9999763851
TMEM86B	1.4728639419	0.256351474	0.9999763851
PPP6R1	1.022828758	0.8732357292	0.9999763851
HSPBP1	1.1403359424	0.545350267	0.9999763851
BRSK1	0	0	0
TMEM150B	-1.0552520483	0.9183054086	0.9999763851
KMT5C	-1.4424774004	0.0865423284	0.9999763851
COX6B2	0	0	0
IL11	-1.5420290394	0.6711533512	0.9999763851
TMEM238	-1.0854185322	0.8773319942	0.9999763851
RPL28	-1.0069314725	0.9582969321	0.9999763851
UBE2S	-1.2228123551	0.2270779935	0.9999763851
ISOC2	1.6565793297	0.1624366642	0.9999763851
ZNF628	-1.2489704587	0.5602733251	0.9999763851
NAT14	1.1994236376	0.6790810627	0.9999763851
SBK2	0	0	0
ZNF579	1.0457585792	0.8944063195	0.9999763851
FIZ1	1.0312908337	0.9224493132	0.9999763851
ZNF524	1.6222611763	0.1741476053	0.9999763851
ZNF865	1.2505247135	0.5434864404	0.9999763851
ZNF784	1.2371469701	0.5696714321	0.9999763851
LOC107983998	-1.3711818216	0.7361262837	0.9999763851
ZNF581	-1.1358401809	0.5545121912	0.9999763851
ZNF580	-1.1333762761	0.6534102773	0.9999763851
CCDC106	3.3942235682	0.2227323437	0.9999763851
U2AF2	-1.1546023052	0.3280070159	0.9999763851
EPN1	1.3485884002	0.1818976801	0.9999763851
NLRP9	-2.3212684229	0.4489510253	0.9999763851
NLRP5	0	0	0
ZNF787	-1.0417738745	0.8614618061	0.9999763851
ZNF444	-1.2681082708	0.2830006094	0.9999763851
ZSCAN5A	-1.008604596	0.9643922311	0.9999763851

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ZNF583	-1.3962845548	0.7156673328	0.9999763851
ZNF667	0	0	0
ZNF471	0	0	0
ZNF470	1.6243491221	0.5675493249	0.9999763851
ZNF71	-1.4897297417	0.2193031866	0.9999763851
ZIM2	0	0	0
DUXA	0	0	0
ZNF805	-1.1000773412	0.7917505987	0.9999763851
ZNF460	1.3942139156	0.1134600985	0.9999763851
ZNF547	-1.2730325932	0.584169862	0.9999763851
ZNF548	-1.4714438827	0.4307362296	0.9999763851
ZNF17	-1.2518413874	0.6243462905	0.9999763851
ZNF749	1.2910602585	0.408323903	0.9999763851
VN1R1	-4.2864494036	0.4027150576	0.9999763851
ZNF772	0	0	0
ZNF419	-1.2721074713	0.3475195954	0.9999763851
ZNF773	1.1042539188	0.6749893818	0.9999763851
ZNF549	-1.4392727316	0.4399516201	0.9999763851
ZNF550	1.0338216758	0.9015762845	0.9999763851
ZNF416	3.1161214639	0.1563424467	0.9999763851
ZNF530	-1.0880053136	0.8594853871	0.9999763851
ZNF134	1.1436909671	0.7539542115	0.9999763851
ZNF211	-2.3251540141	0.0862439704	0.9999763851
ZNF551	3.0394080913	0.0469339881	0.9999763851
ZNF154	3.9208783318	0.1839380568	0.9999763851
ZNF671	9.9614219348	0.2209163234	0.9999763851
ZNF776	3.4241220592	0.0665997038	0.9999763851
ZNF586	3.2353357581	0.554787377	0.9999763851
ZNF552	1.4324468288	0.4169058051	0.9999763851
ZNF587B	-1.1006912859	0.7868786466	0.9999763851
ZNF587	-1.0103676967	0.978955517	0.9999763851
ZNF814	-1.7069221799	0.3519969811	0.9999763851
ZNF417	-1.3948129396	0.6826169491	0.9999763851
C19orf18	0	0	0
ZNF606	0	0	0
ZNF135	3.2361532718	0.5546934395	0.9999763851
ZSCAN18	0	0	0
ZNF274	-1.2473340862	0.5298238395	0.9999763851
ZNF544	-1.4430036527	0.3345368996	0.9999763851
ZNF8	2.2219096964	0.3519102996	0.9999763851
ZSCAN22	1.35901596	0.6150212849	0.9999763851
A1BG	-1.4906022544	0.1757249258	0.9999763851
ZNF497	-1.5528755355	0.3187380754	0.9999763851
ZNF837	0	0	0
RPS5	1.1272394736	0.3247648756	0.9999763851
RNF225	0	0	0
ZNF584	1.3715279496	0.2177673837	0.9999763851
ZNF132	1.2869488883	0.8215749962	0.9999763851
ZNF324B	-3.5020254147	0.0785511656	0.9999763851

gene_expression_table

ZNF324	1.0121024616	0.9756497553	0.9999763851
ZNF446	-1.5299337314	0.4579746563	0.9999763851
SLC27A5	1.2133349159	0.5104526526	0.9999763851
ZBTB45	2.0283988866	0.0206459548	0.9999763851
TRIM28	1.1694042773	0.2976039341	0.9999763851
CHMP2A	-1.061457915	0.674060491	0.9999763851
UBE2M	-1.1966910128	0.2538782382	0.9999763851
MZF1	1.0953709777	0.7953458226	0.9999763851
C20orf96	1.0256422978	0.937069879	0.9999763851
ZCCHC3	1.0784531001	0.623441848	0.9999763851
SOX12	-1.0366341859	0.8128296771	0.9999763851
LOC101929937	3.2356557963	0.5547505991	0.9999763851
NRSN2	-4.2864494036	0.4027150576	0.9999763851
TRIB3	1.116888451	0.4577910289	0.9999763851
RBCK1	1.1017473261	0.5508620874	0.9999763851
TBC1D20	-1.4286529559	0.0449845336	0.9999763851
CSNK2A1	-1.2219251045	0.2591121791	0.9999763851
SRXN1	-1.0726498826	0.7283908537	0.9999763851
SCRT2	0	0	0
FAM110A	-1.0191324298	0.9351060089	0.9999763851
ANGPT4	-1.3716482783	0.7374997556	0.9999763851
PSMF1	1.1571878611	0.2996215233	0.9999763851
TMEM74B	-2.3220580825	0.4349418702	0.9999763851
C20orf202	3.2353357581	0.554787377	0.9999763851
SNPH	3.2353357581	0.554787377	0.9999763851
SDCBP2	-1.0054744133	0.9910361459	0.9999763851
FKBP1A	-1.0612378916	0.6560949646	0.9999763851
NSFL1C	1.2049561558	0.2304930763	0.9999763851
SIRPB2	-2.8635001401	0.2946223333	0.9999763851
SIRPD	1.7501499392	0.0303892363	0.9999763851
SIRPB1	1.22555435	0.6127810454	0.9999763851
SIRPG	1.5892415096	0.4866236646	0.9999763851
LOC107984104	1.3583656505	0.6871858489	0.9999763851
SIRPA	1.0446830517	0.7677106636	0.9999763851
PDYN	-26.1866591561	0.0435410495	0.9999763851
STK35	1.0015682699	0.9919422365	0.9999763851
LOC388780	1.0451823316	0.8975258825	0.9999763851
TGM3	1.3974818312	0.2716342407	0.9999763851
TGM6	0	0	0
SNRNPB	1.0840197895	0.5229016055	0.9999763851
ZNF343	1.0554341485	0.9046100388	0.9999763851
NOP56	1.0411506962	0.7537898185	0.9999763851
IDH3B	-1.2437448903	0.1412179723	0.9999763851
EBF4	-1.2296063424	0.7622382116	0.9999763851
CPXM1	0	0	0
PCED1A	-1.0916357762	0.7085210892	0.9999763851
VPS16	-1.062309553	0.8223844034	0.9999763851
PTPRA	-1.0111486878	0.9562062612	0.9999763851
GNRH2	5.4781708352	0.3745527127	0.9999763851

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MRPS26	1.3269750954	0.1118834174	0.9999763851
UBOX5	1.1614912412	0.6158719692	0.9999763851
FASTKD5	1.2957928355	0.0968531147	0.9999763851
LZTS3	-1.0810230665	0.9183369404	0.9999763851
DDRGK1	1.1965780279	0.3746792109	0.9999763851
ITPA	1.0009770077	0.9942557113	0.9999763851
SLC4A11	-2.8024905865	0.0364495397	0.9999763851
C20orf194	-1.2918426844	0.511986203	0.9999763851
ATRNL1	-1.080288086	0.7005342013	0.9999763851
SIGLEC1	-14.2871033531	0.0106283846	0.9999763851
HSPA12B	3.9191576211	0.181765289	0.9999763851
C20orf27	1.3899390486	0.0438140024	0.9999763851
SPEF1	3.2356557963	0.5547505991	0.9999763851
CENPB	1.3159185192	0.0788341143	0.9999763851
CDC25B	1.3171512711	0.0997053685	0.9999763851
AP5S1	-1.407612475	0.2383897358	0.9999763851
MAVS	1.0303869215	0.8396320527	0.9999763851
PANK2	1.200549583	0.2700036359	0.9999763851
RNF24	1.0572840473	0.7358725403	0.9999763851
SMOX	1.07406911	0.8180216435	0.9999763851
ADRA1D	3.2356557963	0.5547505991	0.9999763851
PRNP	1.0670917926	0.6793827102	0.9999763851
RASSF2	1.4166075663	0.013662753	0.9999763851
SLC23A2	-1.3527418065	0.1389924147	0.9999763851
TMEM230	1.1108441324	0.4572856505	0.9999763851
PCNA	1.4489432893	0.0129445846	0.9999763851
CDS2	1.0130674744	0.9525234843	0.9999763851
GPCPD1	1.0685866958	0.7087445891	0.9999763851
C20orf196	1.7838351596	0.0709210323	0.9999763851
CHGB	-7.5622178268	0.2177145568	0.9999763851
TRMT6	1.1376079985	0.4947552548	0.9999763851
MCM8	1.1989709456	0.3519837345	0.9999763851
CRLS1	1.0986725977	0.547173851	0.9999763851
FERMT1	1.4099229642	0.1654068036	0.9999763851
TMX4	1.215319382	0.2769394075	0.9999763851
PLCB1	-1.1596074999	0.509645488	0.9999763851
PLCB4	0	0	0
LAMP5	-1.5257315481	0.1164897177	0.9999763851
ANKEF1	5.4781708352	0.3745527127	0.9999763851
SNAP25	0	0	0
MKKS	1.1881064672	0.2908156771	0.9999763851
SLX4IP	1.4784574538	0.1633205261	0.9999763851
JAG1	-1.0879031548	0.8007426145	0.9999763851
BTBD3	-4.2849908816	0.4028453076	0.9999763851
SPTLC3	5.4770877341	0.3746135179	0.9999763851
TASP1	1.4883386233	0.334512757	0.9999763851
ISM1	0	0	0
ESF1	1.0302504836	0.9018399481	0.9999763851
NDUFAF5	-1.3090423502	0.5914447829	0.9999763851

gene_expression_table

SEL1L2	3.2356557963	0.5547505991	0.9999763851
MACROD2	1.0954104339	0.8960124723	0.9999763851
KIF16B	1.2157962998	0.6812111224	0.9999763851
SNRBP2	-1.0708924923	0.5995085938	0.9999763851
PCSK2	-7.5622178268	0.2177145568	0.9999763851
BFSP1	-3.1523782906	0.1933609522	0.9999763851
DSTN	-1.0355869681	0.8023879703	0.9999763851
RRBP1	1.0358863196	0.9021231549	0.9999763851
SNX5	1.0304607309	0.856974194	0.9999763851
MGME1	1.0534674235	0.8236855672	0.9999763851
OVOL2	0	0	0
PET117	-1.1556427038	0.7845857376	0.9999763851
KAT14	-1.0208707959	0.9466423894	0.9999763851
ZNF133	1.4463480413	0.4529675933	0.9999763851
DZANK1	-7.5622178268	0.2177145568	0.9999763851
POLR3F	1.2789709507	0.5242367122	0.9999763851
RBBP9	1.0620746528	0.8961151778	0.9999763851
SEC23B	1.5661772776	0.0173458118	0.9999763851
DTD1	-1.4298969304	0.0456113532	0.9999763851
C20orf78	0	0	0
SLC24A3	1.5335035479	0.3134676029	0.9999763851
RIN2	1.0316990044	0.9492598485	0.9999763851
NAA20	1.0460663147	0.7787468358	0.9999763851
CRNKL1	1.1675028992	0.5870344399	0.9999763851
CFAP61	-1.0808570019	0.9213873901	0.9999763851
INSM1	3.3950799507	0.2315706881	0.9999763851
RALGAPA2	1.3021022452	0.1568302323	0.9999763851
KIZ	-1.0042382655	0.9852303231	0.9999763851
XRN2	1.3171858897	0.1821054418	0.9999763851
THBD	1.1118569034	0.8274124065	0.9999763851
CD93	1.0389040775	0.7576888968	0.9999763851
NXT1	1.0853299105	0.5918975948	0.9999763851
GZF1	1.6360339425	0.1163372759	0.9999763851
NAPB	1.4995000169	0.3604758121	0.9999763851
CST3	-1.0653081877	0.7308630639	0.9999763851
GGTLC1	-2.3214980365	0.4375379017	0.9999763851
SYNDIG1	-4.2864494036	0.4027150576	0.9999763851
CST7	1.0556368149	0.6636173989	0.9999763851
APMAP	1.0235598933	0.8596327074	0.9999763851
ACSS1	-1.2777479351	0.0583911194	0.9999763851
ENTPD6	-1.430063291	0.1322543628	0.9999763851
PYGB	1.6164170941	0.2317298459	0.9999763851
ABHD12	1.1940108392	0.2609348743	0.9999763851
GIN51	1.230499516	0.1490164818	0.9999763851
NINL	-1.3157515262	0.8229277089	0.9999763851
NANP	-1.0039427715	0.9854289261	0.9999763851
ZNF337	-1.1006548278	0.6840985452	0.9999763851
HM13	1.0725757393	0.6287624317	0.9999763851
LOC107985416	3.3940373312	0.2264967686	0.9999763851

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ID1	-1.988561407	0.1904042371	0.9999763851
COX4I2	3.2353357581	0.554787377	0.9999763851
BCL2L1	1.1368774686	0.6475552384	0.9999763851
TPX2	-1.0006839168	0.9963313624	0.9999763851
MYLK2	-1.3943388833	0.6971518111	0.9999763851
DUSP15	0	0	0
TTLL9	14.1936656463	0.168558271	0.9999763851
PDRG1	1.1385815663	0.4555346055	0.9999763851
XKR7	0	0	0
CCM2L	-3.3294360969	0.2408463107	0.9999763851
HCK	-1.3568889329	0.069900331	0.9999763851
TM9SF4	-1.4499037543	0.1203715588	0.9999763851
PLAGL2	1.6385235135	0.0567128116	0.9999763851
POFUT1	1.0228900071	0.8997446512	0.9999763851
KIF3B	1.5876959961	0.0712535843	0.9999763851
ASXL1	-1.1499791126	0.4038358742	0.9999763851
NOL4L	1.2180183377	0.3894944596	0.9999763851
COMMD7	1.2889595363	0.0799404458	0.9999763851
DNMT3B	-1.1855578399	0.6515370995	0.9999763851
MAPRE1	1.033997266	0.839878763	0.9999763851
BPIFB4	0	0	0
CDK5RAP1	1.1376729952	0.5058799588	0.9999763851
SNTA1	-1.1947172969	0.5155327608	0.9999763851
CBFA2T2	-1.471044569	0.1780424858	0.9999763851
NECAB3	1.1355685265	0.829331427	0.9999763851
ACTL10	3.3962720959	0.248861434	0.9999763851
E2F1	-1.3220817815	0.2718403798	0.9999763851
PXMP4	1.4097521379	0.3608655966	0.9999763851
ZNF341	1.0790800989	0.6090245382	0.9999763851
CHMP4B	1.0950306294	0.5385479998	0.9999763851
RALY	1.0523149088	0.7908923464	0.9999763851
EIF2S2	1.0307326447	0.7974595655	0.9999763851
ASIP	-1.0384617903	0.8842878605	0.9999763851
AHCY	-1.2108400369	0.2246609137	0.9999763851
ITCH	-1.9328035682	0.0850308536	0.9999763851
LOC107985381	1.0002576586	0.9997940293	0.9999763851
DYNLRB1	1.3718734691	0.0927620699	0.9999763851
MAP1LC3A	1.8685954806	0.5481434699	0.9999763851
PIGU	-1.5343845509	0.0934089445	0.9999763851
TP53INP2	-1.4413164169	0.3310309941	0.9999763851
NCOA6	1.4323329492	0.1143867707	0.9999763851
ACSS2	-1.1707536276	0.677090725	0.9999763851
GSS	1.0232916298	0.9267478192	0.9999763851
TRPC4AP	-1.1308297127	0.5292549112	0.9999763851
EDEM2	-1.4826249465	0.1669351594	0.9999763851
PROCR	-1.76987712	0.0653950088	0.9999763851
MMP24	-1.0533860414	0.8847040156	0.9999763851
EIF6	1.1256319169	0.4325214836	0.9999763851
UQCC1	1.0355552074	0.8702827928	0.9999763851

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GDF5	3.2356557963	0.5547505991	0.9999763851
CEP250	-1.0857485418	0.7060900175	0.9999763851
ERGIC3	-1.0174397783	0.9242972359	0.9999763851
SPAG4	-2.4272000607	0.2274781555	0.9999763851
CPNE1	-1.0074795398	0.9598025715	0.9999763851
RBM12	-1.2587402587	0.4678005783	0.9999763851
NFS1	-1.0479299084	0.8208008865	0.9999763851
ROMO1	-1.040362966	0.7599323551	0.9999763851
RBM39	-1.0880061346	0.5475084317	0.9999763851
PHF20	1.0683529549	0.6829303654	0.9999763851
SCAND1	-1.0132667933	0.9591188074	0.9999763851
CNBD2	-2.3214980365	0.4375930761	0.9999763851
EPB41L1	1.0317869295	0.9593518629	0.9999763851
AAR2	1.2412696033	0.2937144985	0.9999763851
DLGAP4	-1.0805706915	0.7851856618	0.9999763851
TGIF2	-1.092567478	0.6706215333	0.9999763851
C20orf24	1.4484483818	0.003656	0.9999763851
SLA2	-1.1160928733	0.7724379585	0.9999763851
NDRG3	-1.1173695294	0.509890285	0.9999763851
DSN1	-1.133609719	0.4360390472	0.9999763851
SOGA1	1.0298836313	0.9358147356	0.9999763851
TLDC2	-1.2789550668	0.6662995471	0.9999763851
SAMHD1	-1.3154339304	0.8205576571	0.9999763851
RBL1	-1.0745700941	0.7314424875	0.9999763851
MROH8	-2.7748204488	0.1723035535	0.9999763851
RPN2	1.2028409537	0.1765718693	0.9999763851
MANBAL	1.4056374044	0.4824275485	0.9999763851
BLCAP	1.0985607688	0.6343437099	0.9999763851
CTNNBL1	1.2661914927	0.2754819065	0.9999763851
VSTM2L	-4.2849908816	0.4028453076	0.9999763851
TTI1	1.060209841	0.8667985886	0.9999763851
RPRD1B	1.0789847674	0.7734304457	0.9999763851
TGM2	-4.2864494036	0.4027150576	0.9999763851
KIAA1755	0	0	0
BPI	1.0313773182	0.9285585262	0.9999763851
LBP	0	0	0
RALGAPB	-1.1443901739	0.6146783214	0.9999763851
ACTR5	-1.4088516573	0.3861805437	0.9999763851
PPP1R16B	-1.0159689854	0.97668512	0.9999763851
FAM83D	1.3074494948	0.1557222086	0.9999763851
DHX35	-1.0290561094	0.9402925561	0.9999763851
MAFB	-2.6885892031	0.0346890225	0.9999763851
TOP1	1.2205880993	0.2507078017	0.9999763851
PLCG1	1.2198907174	0.4967548468	0.9999763851
ZHX3	-1.3476313236	0.2225587741	0.9999763851
CHD6	-1.055131914	0.8462298464	0.9999763851
SRSF6	1.1735274425	0.2321975923	0.9999763851
L3MBTL1	-1.075487785	0.8806084986	0.9999763851
SGK2	-4.2864494036	0.4027150576	0.9999763851

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IFT52	-1.2178827002	0.506527468	0.9999763851
MYBL2	1.1493453876	0.4929544872	0.9999763851
TOX2	1.9664421512	0.3428506238	0.9999763851
JPH2	-1.9650476918	0.4868473848	0.9999763851
OSER1	-1.0215415652	0.9461052224	0.9999763851
GDAP1L1	-8.342239448	0.2145009236	0.9999763851
FITM2	-1.9661045084	0.4536538719	0.9999763851
HNF4A	0	0	0
TTPAL	1.057088054	0.8858669249	0.9999763851
SERINC3	-1.0375895714	0.8577233098	0.9999763851
PKIG	-2.2015243791	0.1346705763	0.9999763851
ADA	-1.1577290956	0.3343739689	0.9999763851
WISP2	0	0	0
YWHAB	1.2971550882	0.0377864355	0.9999763851
PABPC1L	5.4776292235	0.3745831165	0.9999763851
TOMM34	-1.0634129928	0.7080758565	0.9999763851
STK4	1.10847478	0.5256344995	0.9999763851
SLPI	-1.3808899025	0.2173360256	0.9999763851
MATN4	-1.9652419871	0.4557873831	0.9999763851
SDC4	-1.0825129847	0.7110844884	0.9999763851
SYS1	-1.0190651418	0.939760473	0.9999763851
TP53TG5	-1.3157515262	0.8230246091	0.9999763851
DBNDD2	3.3951164687	0.250814793	0.9999763851
PIGT	-1.0005435824	0.9973709744	0.9999763851
WFDC8	0	0	0
WFDC11	0	0	0
WFDC3	0	0	0
DNTTIP1	1.0423402332	0.839044261	0.9999763851
UBE2C	-1.8913295165	0.223853939	0.9999763851
SNX21	1.0352194987	0.9042103676	0.9999763851
ACOT8	1.3648471011	0.5034311008	0.9999763851
ZSWIM3	-1.0417840134	0.9051070896	0.9999763851
ZSWIM1	-1.278603095	0.3089307697	0.9999763851
NEURL2	0	0	0
CTSA	1.1501739715	0.4237781181	0.9999763851
PLTP	-2.5222693939	0.1001615339	0.9999763851
LOC107985388	-7.5622178268	0.2177145568	0.9999763851
PCIF1	1.3220696995	0.3781846522	0.9999763851
ZNF335	-1.2580875227	0.4449435508	0.9999763851
MMP9	-7.515816106	0	0
SLC12A5	1.2196928187	0.5868763933	0.9999763851
NCOA5	-1.0255741017	0.9171644381	0.9999763851
CD40	0	0	0
CDH22	3.2356557963	0.5547505991	0.9999763851
SLC35C2	1.2188030094	0.2366815023	0.9999763851
ELMO2	-1.7836060192	0.1060817513	0.9999763851
OCSTAMP	-3.5359384325	0.1861728921	0.9999763851
SLC13A3	4.607561061	0.0514509885	0.9999763851
TP53RK	1.293202823	0.2499456712	0.9999763851

gene_expression_table

EYA2	-1.8170402834	0.4617275345	0.9999763851
ZMYND8	-1.1741161294	0.4148906947	0.9999763851
NCOA3	-1.2778458906	0.5560304168	0.9999763851
SULF2	1.9461790648	0.422502182	0.9999763851
PREX1	-1.6706232709	0.003913	0.9999763851
ARFGEF2	-1.1228736987	0.7300216397	0.9999763851
CSE1L	1.2266119642	0.1600706383	0.9999763851
STAU1	1.0842553943	0.5715264743	0.9999763851
DDX27	1.245343101	0.1353144034	0.9999763851
ZNFX1	-1.3063804818	0.2170648607	0.9999763851
KCNB1	0	0	0
B4GALT5	1.334312072	0.0704176141	0.9999763851
SLC9A8	1.0541480648	0.8431050993	0.9999763851
SPATA2	1.4154915891	0.3707018573	0.9999763851
RNF114	-1.0554330156	0.7419161538	0.9999763851
SNAI1	1.257031282	0.5160393245	0.9999763851
UBE2V1	-1.1475927864	0.4355118933	0.9999763851
TMEM189-UBE2V1	-1.0545930339	0.8480191659	0.9999763851
TMEM189	-1.3070874458	0.6188949756	0.9999763851
CEBPB	-1.2340630687	0.2871778085	0.9999763851
LINC01272	-4.3357248284	0.1410436389	0.9999763851
PTPN1	-1.2455608123	0.1526214449	0.9999763851
FAM65C	7.7204093521	0.2872553038	0.9999763851
PARD6B	1.7588469196	0.4594883115	0.9999763851
BCAS4	-1.3158816768	0.820532939	0.9999763851
ADNP	-1.0051021492	0.9747203598	0.9999763851
DPM1	-1.1551731281	0.4579438118	0.9999763851
MOCS3	1.3533910037	0.6436402884	0.9999763851
NFATC2	-1.0836376607	0.646534018	0.9999763851
ATP9A	-1.4872724642	0.1542745197	0.9999763851
SALL4	0	0	0
ZFP64	1.1805583337	0.5591178466	0.9999763851
TSHZ2	-1.3158816768	0.820532939	0.9999763851
ZNF217	-1.1867922133	0.529066932	0.9999763851
CYP24A1	0	0	0
PFDN4	-1.39304807	0.1176612983	0.9999763851
FAM210B	1.5224020367	0.1074926087	0.9999763851
AURKA	-1.0186839686	0.9171622059	0.9999763851
CSTF1	1.0843707723	0.7389716391	0.9999763851
CASS4	-1.0540706169	0.9535654663	0.9999763851
RTFDC1	1.5002365221	0.5923684537	0.9999763851
GCNT7	-1.1237631643	0.4685298653	0.9999763851
FAM209A	-10.8422096127	0.1418941141	0.9999763851
FAM209B	0	0	0
BMP7	-3.7194282732	0.1374523325	0.9999763851
RAE1	-1.1773640812	0.2952765814	0.9999763851
RBM38	-1.0264348637	0.8322773352	0.9999763851
CTCFL	0	0	0
PMEPA1	1.6188017753	0.3109079449	0.9999763851

gene_expression_table

RAB22A	-1.1878104357	0.4637705007	0.9999763851
VAPB	-1.2302677144	0.2633824892	0.9999763851
STX16	-1.329955166	0.180029792	0.9999763851
NPEPL1	1.2558075435	0.2708324772	0.9999763851
GNAS	-1.0636438486	0.7488884005	0.9999763851
NELFCD	1.3329703122	0.110678819	0.9999763851
CTS2	1.031779777	0.9463482361	0.9999763851
TUBB1	-3.1542453588	0.1721503405	0.9999763851
ATP5E	1.2773622546	0.045895283	0.9999763851
PRELID3B	1.3171909144	0.2649934396	0.9999763851
ZNF831	3.2361532718	0.5546934395	0.9999763851
PHACTR3	1.0867698084	0.6815501374	0.9999763851
SYCP2	1.360595239	0.5391119927	0.9999763851
FAM217B	1.2206321529	0.2351384296	0.9999763851
PPP1R3D	1.9261319652	0.199694235	0.9999763851
CDH26	1.2872739558	0.8230836847	0.9999763851
C20orf197	-1.4072456792	0.2330339439	0.9999763851
CDH4	3.2361532718	0.5546934395	0.9999763851
TAF4	1.0325951904	0.9229895065	0.9999763851
LSM14B	-1.0123107948	0.955580793	0.9999763851
PSMA7	1.0557480938	0.670826388	0.9999763851
SS18L1	1.132487444	0.7751963279	0.9999763851
MTG2	1.0328236685	0.9126370522	0.9999763851
OSBPL2	-1.0590068471	0.8483254192	0.9999763851
ADRM1	1.2409078837	0.1896510143	0.9999763851
LAMA5	-2.5616934468	0.2771584414	0.9999763851
RPS21	1.0889440024	0.4936244383	0.9999763851
CABLES2	1.9041578618	0.0390924499	0.9999763851
SLCO4A1	1.1142963709	0.5537064495	0.9999763851
NTSR1	-1.3158816768	0.820532939	0.9999763851
LOC107987285	-1.7345857276	0.4906929473	0.9999763851
LOC107985428	-1.3715126673	0.7505409261	0.9999763851
MRGBP	-1.1011310344	0.6301788725	0.9999763851
OGFR	-1.0457825007	0.8483560572	0.9999763851
COL9A3	-1.4098410659	0.2179733166	0.9999763851
TCFL5	1.025678665	0.874569862	0.9999763851
DPH3P1	-4.287394647	0.4026306792	0.9999763851
DIDO1	-1.2541308198	0.3202283377	0.9999763851
GID8	-1.331103818	0.0290034687	0.9999763851
SLC17A9	1.1599235797	0.3439333349	0.9999763851
YTHDF1	1.1601027661	0.3833997709	0.9999763851
BIRC7	1.4010222013	0.0786425879	0.9999763851
NKAIN4	1.0311943882	0.9508738918	0.9999763851
ARFGAP1	1.543529674	0.0749499097	0.9999763851
KCNQ2	-4.2849908816	0.4028453076	0.9999763851
PPDPF	-1.1038034742	0.5793328199	0.9999763851
PTK6	-1.2296063424	0.7622194614	0.9999763851
C20orf195	-4.2849908816	0.4028453076	0.9999763851
HELZ2	-1.1399034669	0.648278145	0.9999763851

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GMEB2	-1.2141623974	0.3192112308	0.9999763851
STMN3	1.4069142603	0.0447093106	0.9999763851
RTEL1	-8.3586475111	0.0312400138	0.9999763851
TNFRSF6B	1.3645396519	0.5215317269	0.9999763851
ARFRP1	1.1579167623	0.4989001583	0.9999763851
ZGPAT	-1.9647456674	0.4666595891	0.9999763851
LIME1	1.397925865	0.2336542961	0.9999763851
SLC2A4RG	-1.165811203	0.3093951913	0.9999763851
ZBTB46	-2.2867821077	0.1388049159	0.9999763851
ABHD16B	-1.4069959864	0.6661843062	0.9999763851
TPD52L2	1.0238634633	0.8902381226	0.9999763851
DNAJC5	-1.1533740954	0.3604125784	0.9999763851
UCKL1	-1.1288593904	0.7017024739	0.9999763851
ZNF512B	3.2356557963	0.5547505991	0.9999763851
SAMD10	1.1283065639	0.706449465	0.9999763851
PRPF6	-1.0108270299	0.9487806427	0.9999763851
TCEA2	-2.5759987075	0.0346611161	0.9999763851
RGS19	1.180907932	0.3365904544	0.9999763851
OPRL1	-1.1959917806	0.5228072037	0.9999763851
MYT1	1.0582319078	0.9023674713	0.9999763851
PCMTD2	-1.8459111238	0.0392992975	0.9999763851
LOC102723996	-1.1220082471	0.8898761875	0.9999763851
LOC102724023	-1.0324117823	0.8431342162	0.9999763851
LOC102724159	1.3774830511	0.1757310753	0.9999763851
LOC102724200	1.1516136901	0.5703676768	0.9999763851
LOC102724219	1.6246521587	0.5734298714	0.9999763851
LOC102724334	-14.1139127893	0.1038075351	0.9999763851
CH507-42P11.6	3.2361532718	0.5546934395	0.9999763851
LOC102724428	-4.3342515471	0.1408338982	0.9999763851
LOC102724843	-1.1961689377	0.3566200864	0.9999763851
LOC107987290	1.8134025452	0.5842204249	0.9999763851
U2AF1L5	-2.1539887829	0.0523423104	0.9999763851
LOC102724951	1.6254723588	0.5801222467	0.9999763851
LOC102723360	3.7829747665	0.1145712259	0.9999763851
SMIM11B	-1.5334266392	0.3112532932	0.9999763851
KCNE1B	-13.1048806834	0.1324873564	0.9999763851
LOC101927345	0	0	0
LIP1	2.341581609	0.4128010673	0.9999763851
HSPA13	-1.0055793843	0.9787250768	0.9999763851
SAMSN1	-1.11035574	0.6065388383	0.9999763851
NRIP1	-4.2849908816	0.4028453076	0.9999763851
USP25	1.1825933735	0.6286268408	0.9999763851
C21orf91	2.1611354447	0.004407	0.9999763851
CHODL	1.3931546432	0.7809653897	0.9999763851
MRPL39	-1.1570162597	0.6622522899	0.9999763851
ATP5J	1.2754837142	0.0488674881	0.9999763851
GABPA	-1.4815908761	0.1655130883	0.9999763851
APP	-1.0476791637	0.7848585187	0.9999763851
CYYR1	0	0	0

gene_expression_table

N6AMT1	1.7588469196	0.4594325773	0.9999763851
LTN1	-1.1537916894	0.5728466639	0.9999763851
RWDD2B	-1.3258492561	0.4692371946	0.9999763851
USP16	-1.1805467293	0.3753239492	0.9999763851
CCT8	1.0284058661	0.8226240061	0.9999763851
MAP3K7CL	0	0	0
BACH1	1.3224351089	0.3884551295	0.9999763851
GRIK1	1.6245986645	0.5892525377	0.9999763851
TIAM1	1.2869488883	0.8216243495	0.9999763851
SOD1	1.1536618555	0.2328843825	0.9999763851
SCAF4	-1.0154604628	0.9618775074	0.9999763851
MIS18A	-1.233642533	0.199604931	0.9999763851
MRAP	1.1698689513	0.5257570165	0.9999763851
URB1	1.2581017049	0.6547290519	0.9999763851
EVA1C	-1.3717838846	0.7496266785	0.9999763851
TCP10L	-1.1967195072	0.8052198585	0.9999763851
C21orf59	1.0731868423	0.7052539411	0.9999763851
SYNJ1	-1.5173134124	0.2966770655	0.9999763851
PAXBP1	1.03195848	0.9039927485	0.9999763851
C21orf62	11.9390382099	0.2001680618	0.9999763851
OLIG1	-1.1251191584	0.4633262155	0.9999763851
IFNAR2	-1.2566195273	0.2496207451	0.9999763851
IL10RB	1.0942674598	0.549184108	0.9999763851
IFNAR1	1.2306496411	0.2336590993	0.9999763851
IFNGR2	-1.2665026552	0.1555169615	0.9999763851
TMEM50B	1.1623646707	0.4800180909	0.9999763851
GART	1.0782239703	0.6433105957	0.9999763851
SON	1.151474296	0.2815044595	0.9999763851
DONSON	1.242926043	0.3648895161	0.9999763851
CRYZL1	1.2249261486	0.4960839847	0.9999763851
ITSN1	-1.3896472144	0.1504948208	0.9999763851
ATP5O	1.0662572636	0.6028727549	0.9999763851
MRPS6	-1.0276074985	0.8466813976	0.9999763851
KCNE2	1.8136032532	0.5922712384	0.9999763851
SMIM11A	-1.1093913073	0.6959843054	0.9999763851
LOC388820	0	0	0
KCNE1	-2.0111262383	0.2195294197	0.9999763851
RCAN1	-1.0847871666	0.6248114469	0.9999763851
RUNX1	-1.3516027245	0.0885977207	0.9999763851
SETD4	-1.2368303279	0.4872744417	0.9999763851
CBR1	1.2796825913	0.2423757922	0.9999763851
CBR3	0	0	0
DOPEY2	1.0159123018	0.929363298	0.9999763851
MORC3	-1.7958863753	0.0261246072	0.9999763851
CHAF1B	1.3867343779	0.1029179278	0.9999763851
CLDN14	0	0	0
SIM2	21.1691860784	0.1051441446	0.9999763851
HLCS	-1.0655137537	0.8232026858	0.9999763851
PIGP	1.1448191152	0.686778718	0.9999763851

gene_expression_table

TTC3	1.0165320361	0.9037221903	0.9999763851
DSCR3	-1.6417419452	0.0440783505	0.9999763851
DYRK1A	1.5954539035	0.007749	0.9999763851
LOC105372798	1.2872739558	0.8231055655	0.9999763851
KCNJ6	0	0	0
KCNJ15	-1.2791513211	0.6735153603	0.9999763851
ERG	1.0332411218	0.9299948202	0.9999763851
ETS2	-1.3343600057	0.0555350586	0.9999763851
PSMG1	1.0049782818	0.9759802125	0.9999763851
BRWD1	-1.0782803538	0.6671705655	0.9999763851
HMGNI	1.1658637217	0.2167850472	0.9999763851
WRB	1.3685450424	0.0993869812	0.9999763851
LCA5L	1.3412806227	0.6979357883	0.9999763851
SH3BGR	1.8138024348	0.5774527952	0.9999763851
IGSF5	3.2356557963	0.5547505991	0.9999763851
DSCAM	-1.0806434532	0.9277094092	0.9999763851
MX2	-1.2607263966	0.1452225198	0.9999763851
MX1	-3.3302773804	0.2305772477	0.9999763851
TMPRSS2	0	0	0
PRDM15	1.373208934	0.3894483419	0.9999763851
C2CD2	1.0954045989	0.6593166633	0.9999763851
ZBTB21	-1.1547200932	0.6393713624	0.9999763851
UMODL1	-2.3882538214	0.204206133	0.9999763851
ABCG1	-1.9040212742	0.18967379	0.9999763851
TFF3	1.4301853332	0.034562222	0.9999763851
TFF1	-4.2864494036	0.4027150576	0.9999763851
UBASH3A	3.2353357581	0.554787377	0.9999763851
SLC37A1	1.0849477094	0.741429701	0.9999763851
LOC101928212	1.1342454438	0.7257525569	0.9999763851
PDE9A	1.176424468	0.4157050996	0.9999763851
WDR4	-1.0207179885	0.8922757868	0.9999763851
NDUFV3	1.3309263306	0.1462744326	0.9999763851
ERVH48-1	0	0	0
PKNOX1	1.2114370586	0.3114319325	0.9999763851
CBS	1.6544532591	0.0876159115	0.9999763851
U2AF1	1.7695738058	0.018485891	0.9999763851
SIK1	-13.3922837871	0.00611	0.9999763851
HSF2BP	1.0965527729	0.8946753135	0.9999763851
RRP1B	-1.0015620478	0.991440235	0.9999763851
PDXK	1.0433335781	0.7759724306	0.9999763851
CSTB	-1.1198149861	0.3353180891	0.9999763851
RRP1	1.1219841073	0.5387692471	0.9999763851
AGPAT3	1.3217407808	0.05389175	0.9999763851
TRAPPC10	1.8249407711	0.0224357858	0.9999763851
PWP2	1.2061491632	0.3142083008	0.9999763851
ICOSLG	1.5837920266	0.0906188721	0.9999763851
DNMT3L	2.3404251821	0.4098945743	0.9999763851
PFKL	1.0109228692	0.9416829029	0.9999763851
C21orf2	-1.1105690639	0.6387702414	0.9999763851

gene_expression_table

TRPM2	1.0210379017	0.8990319483	0.9999763851
LRRC3	1.1404564402	0.821417007	0.9999763851
TSPEAR	-1.1235515614	0.852529858	0.9999763851
KRTAP10-11	0	0	0
UBE2G2	1.1878490596	0.2297451872	0.9999763851
SUMO3	-1.0202440932	0.8797889868	0.9999763851
PTTG1IP	1.2978916291	0.0914339077	0.9999763851
ITGB2	-1.0669645412	0.581032251	0.9999763851
FAM207A	1.0670824278	0.7304797413	0.9999763851
LOC105372836	14.4540940263	0.1606114182	0.9999763851
ADARB1	-1.1316611385	0.5062115624	0.9999763851
POFUT2	-1.5201577695	0.1302765052	0.9999763851
COL18A1	-2.2370783531	0.3352356858	0.9999763851
SLC19A1	1.1159079845	0.5151687785	0.9999763851
PCBP3	-1.3868448209	0.2512103113	0.9999763851
COL6A1	-1.3157515262	0.8232237083	0.9999763851
SPATC1L	1.4856971374	0.5241682844	0.9999763851
LSS	1.2691254053	0.2636540069	0.9999763851
MCM3AP	-1.0244878678	0.8839471721	0.9999763851
YBEY	-3.3198541437	0.0123775863	0.9999763851
C21orf58	1.4368933492	0.1991026849	0.9999763851
PCNT	1.019927783	0.934381039	0.9999763851
DIP2A	-1.0073484616	0.9700458138	0.9999763851
S100B	1.7616937791	0.2136840547	0.9999763851
PRMT2	-1.0281121354	0.8484078682	0.9999763851
POTEH	0	0	0
IL17RA	1.1621180655	0.3313259784	0.9999763851
CECR6	2.5928204807	0.1892694029	0.9999763851
CECR5	-1.2918033289	0.1186873312	0.9999763851
CECR1	1.1961053826	0.4022162446	0.9999763851
CECR2	0	0	0
SLC25A18	1.0280058166	0.9750429901	0.9999763851
LOC101929372	5.4770877341	0.3746135179	0.9999763851
ATP6V1E1	1.0336797504	0.8157284294	0.9999763851
BCL2L13	-1.0631368843	0.766618491	0.9999763851
BID	1.2813878356	0.1122085109	0.9999763851
MICAL3	-1.6226762749	0.1346566479	0.9999763851
PEX26	1.1100595557	0.5558816994	0.9999763851
TUBA8	-3.0655574101	0.2538022597	0.9999763851
USP18	-1.2775602755	0.2639765813	0.9999763851
LOC100996401	0	0	0
TMEM191B	-4.2849908816	0.4028453076	0.9999763851
DGCR6	1.1103525767	0.8045197664	0.9999763851
PRODH	-4.3331566429	0.1396076612	0.9999763851
DGCR2	-1.0066336582	0.9684138072	0.9999763851
DGCR14	-1.5166423721	0.2736089451	0.9999763851
SLC25A1	1.02951383	0.8832063722	0.9999763851
CLTCL1	1.225991271	0.2869385855	0.9999763851
HIRA	1.3386261381	0.4973719322	0.9999763851

gene_expression_table

MRPL40	1.4198884904	0.1388794262	0.9999763851
C22orf39	1.1715041281	0.3568604322	0.9999763851
UFD1L	1.242368087	0.2481952816	0.9999763851
CDC45	-1.1427825327	0.6101251141	0.9999763851
CLDN5	-1.0496579118	0.8781381517	0.9999763851
SEPT5	-1.3151016298	0.8211380418	0.9999763851
GP1BB	-2.3209115874	0.4585844086	0.9999763851
TBX1	1.6249017024	0.5574533205	0.9999763851
GNB1L	-1.2327202297	0.3708768376	0.9999763851
C22orf29	4.0460575546	0.0003538	0.4231276475
TXNRD2	1.5922095737	0.2057621794	0.9999763851
COMT	1.332032552	0.0806837995	0.9999763851
ARVCF	-1.4196636908	0.3002805286	0.9999763851
TANGO2	-1.0867034227	0.8417134414	0.9999763851
DGCR8	-1.1160460844	0.6977643515	0.9999763851
TRMT2A	-1.0333830348	0.9204827412	0.9999763851
RANBP1	1.2816208413	0.1333792794	0.9999763851
ZDHHC8	-1.0080160342	0.9755248585	0.9999763851
CCDC188	0	0	0
RTN4R	1.0849786238	0.7049234604	0.9999763851
DGCR6L	-1.0501057288	0.8557900637	0.9999763851
USP41	-1.5420290394	0.6710947271	0.9999763851
ZNF74	-1.3052610132	0.4390029348	0.9999763851
SCARF2	1.2872739558	0.8230839604	0.9999763851
KLHL22	-1.4238553434	0.2101465195	0.9999763851
MED15	1.4434210903	0.2860976023	0.9999763851
PI4KA	1.3751756206	0.033094635	0.9999763851
SNAP29	-1.1041047545	0.7483112989	0.9999763851
CRKL	-1.262028694	0.3076036479	0.9999763851
AIFM3	3.2353357581	0.554787377	0.9999763851
LZTR1	1.0012007891	0.9971231092	0.9999763851
THAP7	1.5803548206	0.0643356451	0.9999763851
P2RX6	0	0	0
RIMBP3B	1.3540269312	0.6268938733	0.9999763851
HIC2	-1.0180678453	0.9407902102	0.9999763851
TMEM191C	9.9654679573	0.2182826153	0.9999763851
RIMBP3C	0	0	0
UBE2L3	1.1512595308	0.3480360927	0.9999763851
YDJC	1.416167499	0.0807881266	0.9999763851
CCDC116	9.9629524019	0.2191087173	0.9999763851
SDF2L1	-1.0225419001	0.9026703595	0.9999763851
LOC107985532	1.6856724774	0.3227139203	0.9999763851
PPIL2	1.1728787543	0.5076821275	0.9999763851
YPEL1	-1.0109314135	0.9847491886	0.9999763851
MAPK1	1.0443695456	0.7992524031	0.9999763851
PPM1F	1.0850500344	0.5623520503	0.9999763851
TOP3B	1.0005367574	0.9991274089	0.9999763851
ZNF280B	-1.440961515	0.3787440936	0.9999763851
ZNF280A	3.2353357581	0.554787377	0.9999763851

gene_expression_table

PRAME	1.3575838719	0.4688216522	0.9999763851
GGTLC2	-1.176860274	0.6031774786	0.9999763851
GNAZ	1.5103258976	0.5452528327	0.9999763851
RAB36	3.3952287445	0.2427003854	0.9999763851
BCR	1.589439761	0.1268157977	0.9999763851
IGLL1	-4.3327792956	0.165617213	0.9999763851
DRICH1	1.1905633731	0.8015533761	0.9999763851
RGL4	1.28729267	0.1632989598	0.9999763851
ZNF70	3.2353357581	0.554787377	0.9999763851
VPREB3	3.2356557963	0.5547505991	0.9999763851
C22orf15	-4.2864494036	0.4027150576	0.9999763851
CHCHD10	1.0847786614	0.5634093838	0.9999763851
MMP11	0	0	0
SMARCB1	1.053464371	0.8092436238	0.9999763851
DERL3	-1.2354893189	0.6320368895	0.9999763851
SLC2A11	1.2681733251	0.5754041855	0.9999763851
MIF	1.224671875	0.1048315514	0.9999763851
DDTL	0	0	0
DDT	1.1024885098	0.4392928165	0.9999763851
CABIN1	1.0664386336	0.7300427552	0.9999763851
SUSD2	0	0	0
GGT5	1.6711160385	0.4628395196	0.9999763851
SPECC1L	1.0753361728	0.7953969655	0.9999763851
ADORA2A	1.2613917301	0.174480077	0.9999763851
UPB1	-1.228925712	0.5134987392	0.9999763851
GUCD1	1.0655988812	0.6986782554	0.9999763851
SNRPD3	-1.0620943846	0.6529606522	0.9999763851
GGT1	-1.1864535933	0.6577945118	0.9999763851
LRRC75B	-1.0821042168	0.9291660534	0.9999763851
SGSM1	-1.0379770968	0.9645627254	0.9999763851
TMEM211	0	0	0
KIAA1671	-4.2864494036	0.4027150576	0.9999763851
LOC100652901	-1.4853639298	0.6492324819	0.9999763851
LRP5L	-1.740998567	0.298355622	0.9999763851
GRK3	-1.0571630207	0.8103972169	0.9999763851
MYO18B	0	0	0
SEZ6L	-4.2864494036	0.4027150576	0.9999763851
ASPHD2	-1.5754456673	0.352421028	0.9999763851
HPS4	-1.2930344642	0.2051108142	0.9999763851
SRRD	1.210352153	0.3199767214	0.9999763851
TFIP11	-2.486429952	0.1376534043	0.9999763851
TPST2	1.0051892445	0.9705981581	0.9999763851
CRYBA4	0	0	0
LOC105372977	0	0	0
MN1	-3.3284109188	0.2432170002	0.9999763851
PITPNB	1.12431465	0.4023267585	0.9999763851
TTC28	-1.1961292548	0.7881574773	0.9999763851
CHEK2	-1.6071211529	0.007679	0.9999763851
HSCB	1.0568582013	0.9025496521	0.9999763851

gene_expression_table

CCDC117	1.1693011825	0.4312848402	0.9999763851
XBP1	1.0166377545	0.9056491539	0.9999763851
ZNRF3	-1.105669915	0.6432252193	0.9999763851
KREMEN1	1.1397793504	0.7462971379	0.9999763851
EMID1	-1.5712347939	0.2148007785	0.9999763851
RHBDD3	1.3720115748	0.3582141635	0.9999763851
EWSR1	1.2219120443	0.2709789689	0.9999763851
GAS2L1	-1.0661499473	0.8694831307	0.9999763851
AP1B1	1.063711204	0.6556796011	0.9999763851
RFPL1	0	0	0
THOC5	-1.4482233792	0.1757426109	0.9999763851
NIPSNAP1	-2.5598805278	0.0007501	0.6510516988
NF2	1.1968970453	0.3835758366	0.9999763851
CABP7	-1.0039253265	0.9900222704	0.9999763851
ZMAT5	-10.844600477	0.1421279131	0.9999763851
UQCR10	1.5087757119	0.0133115864	0.9999763851
ASCC2	-1.0530745232	0.8381953766	0.9999763851
MTMR3	-1.1571307401	0.6077219702	0.9999763851
HORMAD2	3.2356557963	0.5547505991	0.9999763851
OSM	1.6708777748	0.4564705348	0.9999763851
GATSL3	-1.5839258669	0.2683865757	0.9999763851
TBC1D10A	1.0573616162	0.8985497238	0.9999763851
SF3A1	1.0568313029	0.6884028828	0.9999763851
CCDC157	-2.5593885838	0.3089102914	0.9999763851
RNF215	0	0	0
SEC14L2	1.0775103844	0.9223202328	0.9999763851
MTFP1	-1.1719786845	0.325927273	0.9999763851
SEC14L3	-4.2864494036	0.4027150576	0.9999763851
SEC14L6	5.4770877341	0.3746135179	0.9999763851
PES1	1.6448674626	0.0678102288	0.9999763851
TCN2	-1.4075675212	0.657907102	0.9999763851
SLC35E4	1.3502901104	0.656953267	0.9999763851
DUSP18	1.0308701261	0.9416535156	0.9999763851
OSBP2	-1.6834103876	0.4266347168	0.9999763851
LOC107985544	-1.3983009058	0.6830199456	0.9999763851
MORC2	1.1593247404	0.6006386107	0.9999763851
SMTN	-2.5599229866	0.2927760335	0.9999763851
SELM	-1.6490543479	0.4721736735	0.9999763851
RNF185	1.3482172868	0.3687080386	0.9999763851
LIMK2	1.1627482163	0.4514885285	0.9999763851
PIK3IP1	-2.7791015202	0.003956	0.9999763851
PATZ1	-1.1060868578	0.7306235546	0.9999763851
DRG1	1.0339579293	0.8363106962	0.9999763851
EIF4ENIF1	-1.1055176445	0.6740892965	0.9999763851
SFI1	1.2337801177	0.5940542865	0.9999763851
PISD	1.1009230701	0.6629571519	0.9999763851
PRR14L	-1.527465681	0.1033867687	0.9999763851
DEPDC5	-1.1282581934	0.7204868691	0.9999763851
C22orf24	0	0	0

gene_expression_table

YWHAH	1.2712772621	0.1364472651	0.9999763851
C22orf42	0	0	0
RFPL2	1.3262752232	0.7419297927	0.9999763851
SLC5A4	-1.8933556971	0.1856677614	0.9999763851
RTCB	1.0735168783	0.607729719	0.9999763851
FBXO7	1.1260305787	0.4046334418	0.9999763851
SYN3	-3.5008381699	0.0885110757	0.9999763851
TIMP3	3.2353357581	0.554787377	0.9999763851
LARGE	-1.966276531	0.4563825937	0.9999763851
HMGXB4	-1.0711530789	0.7768493216	0.9999763851
TOM1	-1.1993015321	0.5528693809	0.9999763851
HMOX1	-1.5548498442	0.1631854599	0.9999763851
MCM5	1.1533589205	0.314600495	0.9999763851
RASD2	4.9068606068	0.1990447136	0.9999763851
MB	0	0	0
APOL6	-1.0216426756	0.9155711207	0.9999763851
APOL5	0	0	0
RBFOX2	1.2080915232	0.3004552883	0.9999763851
APOL2	-1.4294980372	0.5308157876	0.9999763851
APOL1	-4.2849908816	0.4028453076	0.9999763851
MYH9	1.0944786979	0.5287318245	0.9999763851
TXN2	-1.0867480293	0.6041605125	0.9999763851
FOXRED2	1.3151366651	0.1270580259	0.9999763851
EIF3D	-1.0398701271	0.7707063741	0.9999763851
IFT27	-1.1153189913	0.6928890073	0.9999763851
NCF4	1.2221616177	0.1286259626	0.9999763851
CSF2RB	-1.3346926667	0.3192625075	0.9999763851
TST	1.1559244369	0.3488014528	0.9999763851
MPST	1.0681536231	0.6546621002	0.9999763851
KCTD17	-1.0681864798	0.8802635065	0.9999763851
C1QTNF6	-2.3222877795	0.4514842962	0.9999763851
RAC2	1.0686070718	0.6119330422	0.9999763851
CYTH4	1.4682328874	0.1116309835	0.9999763851
ELFN2	-3.1531745435	0.2210901857	0.9999763851
MFNG	-1.0911124916	0.5330970695	0.9999763851
LGALS2	0	0	0
GGA1	-1.2378036562	0.2351874891	0.9999763851
SH3BP1	1.0426616343	0.8074303692	0.9999763851
PDXP	-1.0203738825	0.9252842105	0.9999763851
LGALS1	1.2208778044	0.1357541363	0.9999763851
NOL12	-1.0553736989	0.7832424084	0.9999763851
TRIOBP	-1.3910046339	0.1207861289	0.9999763851
LOC102724378	7.4933530102	0.2984419804	0.9999763851
H1FO	1.1334835159	0.6774454371	0.9999763851
GCAT	1.2286469138	0.3679031864	0.9999763851
GALR3	0	0	0
ANKRD54	1.1751885467	0.6107314678	0.9999763851
EIF3L	-1.031332557	0.8137159737	0.9999763851
MICALL1	1.9443929147	0.0995067197	0.9999763851

gene_expression_table

C22orf23	1.0313900409	0.9427220287	0.9999763851
POLR2F	-1.0279214349	0.8579823038	0.9999763851
PICK1	3.2356557963	0.5547505991	0.9999763851
BAIAP2L2	0	0	0
PLA2G6	-2.2395803318	0.3062314467	0.9999763851
MAFF	1.0621674542	0.8956921362	0.9999763851
TMEM184B	-1.3812835672	0.2222454904	0.9999763851
CSNK1E	-1.4804530749	0.0723734828	0.9999763851
LOC400927-CSNK1E	1.1889211165	0.6679673895	0.9999763851
KCNJ4	0	0	0
KDELRL3	-1.3157515262	0.8233267857	0.9999763851
DDX17	-1.0432079039	0.7309838838	0.9999763851
DMC1	1.6800044611	0.1906206682	0.9999763851
FAM227A	7.4933530102	0.2983904924	0.9999763851
CBY1	-1.3020121131	0.5131236587	0.9999763851
TOMM22	-1.3264968198	0.0338067359	0.9999763851
JOSD1	1.2485112258	0.4074223837	0.9999763851
GTPBP1	1.4335777985	0.0377936253	0.9999763851
SUN2	-1.1155761924	0.4783362558	0.9999763851
DNAL4	-1.2910873964	0.3160716536	0.9999763851
NPTXR	-1.0601026445	0.6507103748	0.9999763851
CBX6	-1.0346953986	0.7905961016	0.9999763851
APOBEC3A	0	0	0
APOBEC3B	1.0212074832	0.9205277089	0.9999763851
APOBEC3C	1.1840645706	0.412945062	0.9999763851
APOBEC3F	-1.1056047606	0.8033358193	0.9999763851
APOBEC3D	-1.9503202885	0.2950377969	0.9999763851
APOBEC3G	-1.23791485	0.6360466842	0.9999763851
APOBEC3H	-1.3948129396	0.6828350831	0.9999763851
CBX7	-1.3628298901	0.2512550173	0.9999763851
PDGFB	0	0	0
RPL3	1.1172886736	0.3669239743	0.9999763851
SYNGR1	-1.0413103756	0.8411846811	0.9999763851
TAB1	1.0676863702	0.7945622493	0.9999763851
MGAT3	-1.0469262829	0.917570701	0.9999763851
MIEF1	-1.0086618248	0.9526795762	0.9999763851
ATF4	-1.0516629968	0.7232804805	0.9999763851
RPS19BP1	-1.0433803243	0.772921139	0.9999763851
CACNA1I	1.1896618529	0.8096233854	0.9999763851
ENTHD1	2.8686586245	0.3031425829	0.9999763851
GRAP2	1.2355372155	0.458658358	0.9999763851
FAM83F	2.5158674433	0.157762887	0.9999763851
TNRC6B	1.007383414	0.9703379696	0.9999763851
ADSL	1.4337817249	0.0178858648	0.9999763851
SGSM3	1.6805963267	0.1672597429	0.9999763851
MKL1	-1.0366126104	0.8675734786	0.9999763851
SLC25A17	-1.0950505939	0.7002368511	0.9999763851
ST13	-1.0165098397	0.9086444847	0.9999763851
XPNPEP3	1.4738212105	0.1235664607	0.9999763851

gene_expression_table

RBX1	1.0879696103	0.5543935494	0.9999763851
EP300	1.2458920932	0.4853699538	0.9999763851
L3MBTL2	1.1425429394	0.8468216772	0.9999763851
CHADL	1.675672972	0.1992527799	0.9999763851
RANGAP1	-1.0449684496	0.8165412017	0.9999763851
ZC3H7B	1.1074712133	0.5713951209	0.9999763851
TEF	1.6062903958	0.6462291901	0.9999763851
LOC100996598	0	0	0
TOB2	-1.0163866231	0.9379008137	0.9999763851
PHF5A	1.1192951819	0.5165027058	0.9999763851
ACO2	-1.1310533061	0.6637395659	0.9999763851
POLR3H	-1.059536567	0.6736770758	0.9999763851
CSDC2	7.4933530102	0.2983388468	0.9999763851
PMM1	-1.3180690451	0.2954619332	0.9999763851
DESI1	1.4704692409	0.2121482623	0.9999763851
XRCC6	1.1541600817	0.2874148707	0.9999763851
SNU13	1.2473872153	0.0909433768	0.9999763851
C22orf46	-2.4822462884	0.1569326898	0.9999763851
MEI1	1.8863723168	0.0959387322	0.9999763851
CCDC134	1.1679003387	0.6388780108	0.9999763851
SREBF2	-1.1988116812	0.2666975686	0.9999763851
SHISA8	-1.262094928	0.2295584231	0.9999763851
TNFRSF13C	-7.5647903763	0.2176246281	0.9999763851
CENPM	1.4431448518	0.0564245271	0.9999763851
SEPT3	1.5214888853	0.0564992374	0.9999763851
WBP2NL	-1.8155268442	0.4542227514	0.9999763851
NAGA	1.1385810305	0.6428075238	0.9999763851
SMDT1	1.2025671134	0.3763004298	0.9999763851
NDUFA6	1.017206874	0.9033584437	0.9999763851
CYP2D6	-1.3158816768	0.8205329391	0.9999763851
LOC102723722	-2.3230035206	0.462320266	0.9999763851
TCF20	1.3282486672	0.2837281499	0.9999763851
NFAM1	1.1672834816	0.5410858652	0.9999763851
RRP7A	1.0391021844	0.8501169727	0.9999763851
SERHL2	-1.1196180126	0.76905871	0.9999763851
POLDIP3	-1.132217337	0.452088566	0.9999763851
CYB5R3	1.1934246816	0.3088881027	0.9999763851
A4GALT	0	0	0
ARFGAP3	-1.1060582033	0.6818267113	0.9999763851
PACSIN2	1.1911388687	0.3600545686	0.9999763851
TTLL1	1.3494005179	0.6621559438	0.9999763851
BIK	-1.0881697047	0.8423426344	0.9999763851
MCAT	2.1009570993	0.0902992804	0.9999763851
TSPO	1.3767377756	0.0574725303	0.9999763851
TTLL12	1.5340128447	0.105066722	0.9999763851
EFCAB6	1.0881489642	0.8452895084	0.9999763851
SAMM50	1.2278546593	0.36851581	0.9999763851
PARVB	-1.3638422295	0.2555882281	0.9999763851
PARVG	1.1959420702	0.4492195362	0.9999763851

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LDOC1L	1.2146725126	0.4874343753	0.9999763851
PRR5	-1.149117102	0.7163947097	0.9999763851
PRR5-ARHGAP8	-4.2864494036	0.4027150576	0.9999763851
ARHGAP8	-2.3214980365	0.4376484453	0.9999763851
NUP50	1.1313848445	0.5102161154	0.9999763851
KIAA0930	1.0095036664	0.9457634885	0.9999763851
FAM118A	-1.4358159967	0.4502072849	0.9999763851
SMC1B	-1.7406929207	0.1883844221	0.9999763851
RIBC2	1.6249017024	0.5574174975	0.9999763851
ATXN10	1.2931446075	0.1183895626	0.9999763851
WNT7B	0	0	0
PPARA	-1.1675397055	0.6042606352	0.9999763851
CDPF1	1.2503531424	0.6998770054	0.9999763851
PKDREJ	7.7488609396	0.3058740553	0.9999763851
TTC38	-1.2799544286	0.490546675	0.9999763851
GTSE1	-1.0564668116	0.7844519175	0.9999763851
TRMU	-1.5080411851	0.2716472836	0.9999763851
CELSR1	3.2361532718	0.5546934395	0.9999763851
GRAMD4	1.3972470118	0.2479953678	0.9999763851
CERK	1.0575377111	0.8384601251	0.9999763851
TBC1D22A	-1.3365054582	0.3857800219	0.9999763851
FAM19A5	0	0	0
C22orf34	-1.0536799076	0.9207877986	0.9999763851
BRD1	-3.1534488363	0.1726148086	0.9999763851
ZBED4	1.0947078904	0.872092506	0.9999763851
ALG12	-1.1250614384	0.6398282793	0.9999763851
CRELD2	1.0396072898	0.8145817295	0.9999763851
PIM3	-1.1492299585	0.3071829584	0.9999763851
MLC1	1.3259325514	0.0636234178	0.9999763851
MOV10L1	10.4285443305	0.2413352043	0.9999763851
PANX2	3.2356557963	0.5547505991	0.9999763851
TRABD	1.2171461068	0.193906849	0.9999763851
SELO	1.5114898576	0.1473539696	0.9999763851
TUBGCP6	-2.5225832327	0.0714787553	0.9999763851
HDAC10	-1.0634814851	0.8910740731	0.9999763851
MAPK12	1.2477316029	0.2910394858	0.9999763851
MAPK11	-1.1463904141	0.7409911536	0.9999763851
DENND6B	1.6136604673	0.3343111555	0.9999763851
PPP6R2	1.0187412987	0.9311301651	0.9999763851
SBF1	-1.1597014588	0.510354082	0.9999763851
ADM2	3.2356557963	0.5547505991	0.9999763851
LMF2	1.4950048559	0.215327416	0.9999763851
NCAPH2	-1.2852096485	0.3384142635	0.9999763851
SCO2	1.4389747352	0.0750882995	0.9999763851
TYMP	-2.8684846696	0.0818181769	0.9999763851
ODF3B	-2.5598350099	0.3143812462	0.9999763851
SYCE3	0	0	0
CPT1B	-1.2084536663	0.5627729793	0.9999763851
CHKB	2.3039938442	0.0989903022	0.9999763851

gene_expression_table

MAPK8IP2	-1.3711818216	0.7361521743	0.9999763851
ARSA	-1.0720105362	0.8577050025	0.9999763851
RABL2B	1.03619961	0.8724541221	0.9999763851
PLCXD1_1	1.1311294149	0.6518213332	0.9999763851
GTPBP6_1	-1.4867671956	0.160446421	0.9999763851
PPP2R3B_1	-1.0539454417	0.9183616523	0.9999763851
CRLF2_1	0	0	0
CSF2RA_1	1.1446563693	0.7083051758	0.9999763851
IL3RA_1	-2.097264704	0.2347984707	0.9999763851
SLC25A6_1	-1.0571640456	0.6811821107	0.9999763851
LOC105373102_1	0	0	0
ASMTL_1	1.6073771667	0.1314342295	0.9999763851
P2RY8_1	1.0095074247	0.9570299003	0.9999763851
AKAP17A_1	-1.0760820216	0.7888689209	0.9999763851
ASMT_1	-4.2849908816	0.4028453076	0.9999763851
DHRX_1	1.134000037	0.7541445376	0.9999763851
ZBED1_1	1.822945724	0.0794997653	0.9999763851
CD99_1	1.042613259	0.8058234196	0.9999763851
ARSD	1.2455307469	0.3117246051	0.9999763851
ARSE	3.2356557963	0.5547505991	0.9999763851
ARSF	0	0	0
MXRA5	0	0	0
PRKX	1.0833955382	0.660523238	0.9999763851
NLGN4X	3.2353357581	0.554787377	0.9999763851
VCX3A	0	0	0
PUDP	1.128515276	0.5686320015	0.9999763851
STS	1.3155286451	0.5176698159	0.9999763851
VCX	-1.9660821036	0.4630669119	0.9999763851
PNPLA4	-4.2849908816	0.4028453076	0.9999763851
VCX3B	-10.8385246611	0.1452076922	0.9999763851
ANOS1	1.5505881706	0.5541323877	0.9999763851
FAM9B	-4.2849908816	0.4028453076	0.9999763851
TBL1X	1.3809138387	0.0717732399	0.9999763851
GPR143	-1.0842744172	0.8974869046	0.9999763851
SHROOM2	1.2859100748	0.2742592518	0.9999763851
CLDN34	-4.2849908816	0.4028453076	0.9999763851
WWC3	-1.0460646669	0.7897701338	0.9999763851
CLCN4	3.2353357581	0.554787377	0.9999763851
MID1	-1.4326576759	0.4756486663	0.9999763851
HCCS	-1.1607103098	0.4526398879	0.9999763851
MSL3	1.7045734286	0.0192832661	0.9999763851
FRMPD4	-10.8385246611	0.1452685011	0.9999763851
PRPS2	1.2494007127	0.1747641272	0.9999763851
TLR8	0	0	0
TMSB4X	-1.5056544639	0.002174	0.9999763851
FAM9C	0	0	0
LOC105373133	5.4776292235	0.3745831165	0.9999763851
TCEANC	-2.0689192087	0.1013965962	0.9999763851
RAB9A	-1.7162371334	0.1148952661	0.9999763851

gene_expression_table

TRAPPC2	1.119416785	0.5839056537	0.9999763851
OFD1	-1.3598335189	0.260084491	0.9999763851
GPM6B	-1.1489598494	0.8503578071	0.9999763851
GEMIN8	1.0066443544	0.9804165752	0.9999763851
GLRA2	-1.318394896	0.60246829	0.9999763851
FANCB	-1.0589551369	0.7932186849	0.9999763851
MOSPD2	-1.3837692955	0.2431220168	0.9999763851
PIGA	-1.1038372572	0.7356939141	0.9999763851
FIGF	15.5019390839	0.1629420389	0.9999763851
PIR	-1.1018674108	0.6496071707	0.9999763851
ACE2	3.2353357581	0.554787377	0.9999763851
BMX	-1.1157749871	0.668282009	0.9999763851
TMEM27	-1.0249053994	0.957183673	0.9999763851
CA5B	-1.1474192383	0.614553273	0.9999763851
ZRSR2	-1.2094954552	0.5406004034	0.9999763851
AP1S2	1.0213235579	0.8888782926	0.9999763851
CTPS2	-1.3389300992	0.3987070039	0.9999763851
S100G	3.2353357581	0.554787377	0.9999763851
SYAP1	-1.0320918397	0.8735467269	0.9999763851
TXLNG	-1.0385063033	0.8270516867	0.9999763851
RBBP7	1.0017946772	0.9890855247	0.9999763851
REPS2	-2.983726772	0.0354693453	0.9999763851
NHS	-1.3717838846	0.7496003097	0.9999763851
SCML1	-1.9790947981	0.0515532886	0.9999763851
BEND2	0	0	0
SCML2	1.0952111839	0.837065563	0.9999763851
CDKL5	-1.4348551497	0.4400003091	0.9999763851
RS1	0	0	0
PHKA2	-1.0034718473	0.9855471784	0.9999763851
ADGRG2	1.5436836647	0.5637612112	0.9999763851
PDHA1	-1.0848299514	0.5704497557	0.9999763851
MAP3K15	1.5292328987	0.2305004082	0.9999763851
SH3KBP1	1.2086968483	0.1581233116	0.9999763851
CXorf23	-1.5993594647	0.181695333	0.9999763851
MAP7D2	0	0	0
EIF1AX	1.094668985	0.4817197775	0.9999763851
RPS6KA3	-1.0990299475	0.6083335724	0.9999763851
MBTPS2	1.2890041542	0.2873325522	0.9999763851
YY2	-1.1984126895	0.7609390165	0.9999763851
SMS	-1.3570592004	0.0382322825	0.9999763851
PHEX	-1.6282722959	0.2526250928	0.9999763851
PRDX4	-1.075865927	0.7127671848	0.9999763851
ACOT9	1.1180930905	0.6374854616	0.9999763851
SAT1	-1.6624997722	0.0005321	0.5206160142
APOO	-1.0055907798	0.9643834886	0.9999763851
CXorf58	3.2353357581	0.554787377	0.9999763851
KLHL15	-1.4455952043	0.2681444881	0.9999763851
EIF2S3	1.1202569008	0.3657615292	0.9999763851
ZFX	-1.2867418298	0.1268163096	0.9999763851

gene_expression_table

PDK3	1.0573199452	0.7613061534	0.9999763851
PCYT1B	-7.5622178268	0.2177145568	0.9999763851
POLA1	-1.1017919972	0.4178851601	0.9999763851
ARX	3.9195442002	0.1876409732	0.9999763851
IL1RAPL1	-2.3860318298	0.2391398476	0.9999763851
CXorf21	-2.1609178192	0.1196034727	0.9999763851
GK	-1.1022660321	0.7220627014	0.9999763851
TAB3	-1.0251334554	0.9407856827	0.9999763851
DMD	1.7826260038	0.0484565649	0.9999763851
CFAP47	0	0	0
XK	-1.4464778568	0.2106237091	0.9999763851
CYBB	-4.4381516454	0.003279	0.9999763851
DYNLT3	1.2917773094	0.6056405669	0.9999763851
SYTL5	0	0	0
SRPX	-7.5647903763	0.2176246281	0.9999763851
RPGR	1.4729385521	0.3315413034	0.9999763851
MID1IP1	-1.0927733793	0.6278044557	0.9999763851
BCOR	-1.1986675416	0.274819153	0.9999763851
LOC107985687	3.2356557963	0.5547505991	0.9999763851
ATP6AP2	-1.0063039776	0.9600119427	0.9999763851
CXorf38	-1.285420026	0.3244092484	0.9999763851
MED14	1.2098211433	0.3297304702	0.9999763851
MED14OS	1.813344484	0.5819972383	0.9999763851
USP9X	1.1373338302	0.5275548472	0.9999763851
DDX3X	-1.0194013297	0.9092170139	0.9999763851
CASK	-1.5814483139	0.1178729032	0.9999763851
GPR34	3.9208783318	0.1835694973	0.9999763851
GPR82	-56.6417269775	0.0116180255	0.9999763851
MAOA	0	0	0
EFHC2	3.2356557963	0.5547505991	0.9999763851
FUNDC1	-1.0057623416	0.9855317908	0.9999763851
KDM6A	-1.3043012555	0.4121862023	0.9999763851
KRBOX4	-1.0100414917	0.9740026485	0.9999763851
ZNF674	-1.1898705397	0.7496636016	0.9999763851
CHST7	-2.1905898287	0.0537971722	0.9999763851
SLC9A7	-1.5313558062	0.3457396277	0.9999763851
RP2	1.1516625217	0.4851378572	0.9999763851
JADE3	-1.1668940991	0.61819947	0.9999763851
RGN	3.2356557963	0.5547505991	0.9999763851
NDUFB11	1.1666773004	0.2859619363	0.9999763851
RBM10	1.4681982282	0.016592973	0.9999763851
UBA1	1.0822906735	0.5820354218	0.9999763851
CDK16	1.0371381181	0.8819394442	0.9999763851
USP11	-1.9734077647	0.0150664542	0.9999763851
ZNF157	0	0	0
ZNF41	1.2710064579	0.3951267144	0.9999763851
ARAF	1.1873113369	0.3779878685	0.9999763851
SYN1	0	0	0
TIMP1	-2.9292922021	9.26E-11	4.98E-07

gene_expression_table

CFP	1.7327347029	0.1944854808	0.9999763851
ELK1	-1.1034538003	0.5317006375	0.9999763851
UXT	1.1365976374	0.4566229418	0.9999763851
ZNF81	1.265515385	0.5275979612	0.9999763851
ZNF182	1.1726118417	0.6762422962	0.9999763851
FTSJ1	-1.1228139951	0.53275104	0.9999763851
PORCN	1.1937721849	0.5072892414	0.9999763851
EBP	1.0532635744	0.6930512132	0.9999763851
TBC1D25	1.0801640314	0.772598819	0.9999763851
RBM3	-1.1456664847	0.3479583121	0.9999763851
WDR13	1.1894999221	0.4483517272	0.9999763851
WAS	1.0113940998	0.9417965002	0.9999763851
SUV39H1	1.1084857721	0.6563537554	0.9999763851
HDAC6	-1.4740248466	0.1216141712	0.9999763851
ERAS	0	0	0
TIMM17B	-1.0439968087	0.8364343658	0.9999763851
PQBP1	1.7308642843	0.0291387859	0.9999763851
SLC35A2	-1.5296575463	0.0160544618	0.9999763851
PIM2	-1.4242351556	0.0243578384	0.9999763851
OTUD5	-1.2019691455	0.3707584189	0.9999763851
KCND1	1.813344484	0.5819236562	0.9999763851
GRIPAP1	-1.0757115787	0.7129901085	0.9999763851
TFE3	-1.3229023523	0.2577149599	0.9999763851
PRAF2	-1.2498178925	0.5783042473	0.9999763851
WDR45	1.030183431	0.9306181922	0.9999763851
GPLOW	1.6752798993	0.0680289676	0.9999763851
MAGIX	3.2361532718	0.5546934395	0.9999763851
PLP2	1.0175007395	0.8966206179	0.9999763851
PRICKLE3	1.3493579391	0.6657471906	0.9999763851
SYP	-14.1187086092	0.0981884247	0.9999763851
CACNA1F	0	0	0
CCDC22	-1.2095485068	0.3528383372	0.9999763851
FOXP3	-1.1443525594	0.88651452	0.9999763851
PPP1R3F	1.2630745238	0.5564103824	0.9999763851
GAGE10	0	0	0
GAGE2A	3.2353357581	0.554787377	0.9999763851
GAGE1	-4.287394647	0.4026306792	0.9999763851
USP27X	1.3130800431	0.5193394846	0.9999763851
CLCN5	-1.270340952	0.4306348779	0.9999763851
MAGED1	-1.3652157337	0.1777369426	0.9999763851
XAGE1B	-1.1153322386	0.498682315	0.9999763851
XAGE1E	1.0331815147	0.8529676334	0.9999763851
FAM156B	1.1411003116	0.5302311957	0.9999763851
GPR173	0	0	0
TSPYL2	1.3046067945	0.4726343397	0.9999763851
KDM5C	1.0654156949	0.7868026413	0.9999763851
IQSEC2	1.2158504019	0.6836004413	0.9999763851
SMC1A	1.3480668306	0.0271862024	0.9999763851
RIBC1	3.2356557963	0.5547505991	0.9999763851

gene_expression_table

HSD17B10	1.1447236157	0.4257266926	0.9999763851
HUWE1	1.1568384718	0.3121167377	0.9999763851
PHF8	-1.3728106496	0.0921834502	0.9999763851
FAM120C	1.1062009175	0.7236563425	0.9999763851
WNK3	7.4933530102	0.2982870353	0.9999763851
TSR2	1.5511434682	0.0618220748	0.9999763851
FGD1	-1.7174926864	0.0232842252	0.9999763851
GNL3L	1.4559428502	0.0324699126	0.9999763851
MAGED2	-1.0984728665	0.6307774502	0.9999763851
PFKFB1	-4.2849908816	0.4028453076	0.9999763851
APEX2	-1.4637539616	0.1202832486	0.9999763851
PAGE2B	-4.2849908816	0.4028453076	0.9999763851
PAGE2	0	0	0
FAM104B	1.1792692551	0.4812955265	0.9999763851
MTRNR2L10	-1.4397976359	0.4306287756	0.9999763851
MAGEH1	-2.2671808911	0.0902515536	0.9999763851
USP51	-1.8168761427	0.3007818583	0.9999763851
RRAGB	-1.5918761572	0.231940438	0.9999763851
UBQLN2	1.2341421734	0.3128576808	0.9999763851
SPIN2B	-1.1129358595	0.7040360096	0.9999763851
FAAH2	1.3490603578	0.6657647894	0.9999763851
ZXDB	-1.1689839273	0.6495162263	0.9999763851
ZXDA	2.2216198074	0.3240427491	0.9999763851
SPIN4	-1.2438403447	0.1681593589	0.9999763851
ARHGEF9	1.4725467939	0.3296874274	0.9999763851
AMER1	1.2790370317	0.4608373594	0.9999763851
MTMR8	0	0	0
ZC3H12B	1.7458374716	0.3348613795	0.9999763851
LAS1L	1.0196799831	0.9067297654	0.9999763851
MSN	-1.2843222569	0.0664172284	0.9999763851
VSIG4	-20.6875548266	0.0567446204	0.9999763851
YIPF6	-1.0715462119	0.7232305364	0.9999763851
STARD8	1.3436913572	0.3301168171	0.9999763851
EFNB1	-1.075653075	0.831742049	0.9999763851
PJA1	1.1419432367	0.7760394597	0.9999763851
EDA	-2.0621569129	0.3088988963	0.9999763851
IGBP1	-1.0680588629	0.6835952361	0.9999763851
DGAT2L6	0	0	0
ARR3	1.491541136	0.6993320602	0.9999763851
RAB41	0	0	0
PDZD11	-1.1721434719	0.555027666	0.9999763851
KIF4A	1.1765063059	0.282560093	0.9999763851
TEX11	3.2356557963	0.5547505991	0.9999763851
SNX12	1.0167372062	0.9163847774	0.9999763851
FOXO4	-1.266255247	0.4512138479	0.9999763851
CXorf65	1.3267411246	0.7616152189	0.9999763851
IL2RG	-1.1559770095	0.3870204995	0.9999763851
MED12	1.06119807	0.8616004195	0.9999763851
NLGN3	-1.0534934212	0.9209994765	0.9999763851

gene_expression_table

ZMYM3	-1.083841854	0.6298970506	0.9999763851
NONO	1.1247539228	0.3372949029	0.9999763851
ITGB1BP2	2.1857290676	0.3706467231	0.9999763851
TAF1	-1.2744307092	0.1151573619	0.9999763851
OGT	-1.4144525282	0.0355723334	0.9999763851
ACRC	1.0947156806	0.8968067763	0.9999763851
CXCR3	1.464733964	0.3322664835	0.9999763851
LOC101059915	0	0	0
NHSL2	1.0903512237	0.794042671	0.9999763851
RGAG4	-8.342239448	0.2143036092	0.9999763851
FLJ44635	1.0871322184	0.6078940919	0.9999763851
PIN4	1.2117683575	0.2423115497	0.9999763851
ERCC6L	1.2603768829	0.3627645311	0.9999763851
RPS4X	1.0537926544	0.6794475115	0.9999763851
CITED1	2.5183171819	0.2738196453	0.9999763851
HDAC8	-1.1476311659	0.4822478769	0.9999763851
SLC16A2	0	0	0
RLIM	1.0939646876	0.5616057234	0.9999763851
ABCB7	-1.2146369422	0.325065146	0.9999763851
UPRT	1.1042699293	0.6957662062	0.9999763851
ZDHHC15	-1.3714374731	0.7327118287	0.9999763851
PBDC1	1.0766307602	0.6011759312	0.9999763851
MAGEE1	-1.3154339304	0.8205576571	0.9999763851
ATRX	1.00824822	0.9539055808	0.9999763851
MAGT1	1.3640202715	0.0563202957	0.9999763851
COX7B	1.1326327774	0.3287217994	0.9999763851
ATP7A	-1.7917981288	0.2394004801	0.9999763851
PGAM4	-2.4563440357	0.001106	0.8381590036
PGK1	1.3155914723	0.0175422094	0.9999763851
TAF9B	1.1628145501	0.4293903183	0.9999763851
CYSLTR1	1.2320939056	0.4115800563	0.9999763851
LPAR4	1.6637897627	0.5538972415	0.9999763851
P2RY10	0	0	0
BRWD3	1.1575592079	0.6660558757	0.9999763851
HMG5	-1.0635429505	0.8509476692	0.9999763851
SH3BGR1	-1.0465589908	0.7740906806	0.9999763851
APOOL	-1.1709556645	0.5662046408	0.9999763851
SATL1	-1.3969420996	0.1931312729	0.9999763851
CHM	-1.0494133147	0.8522243885	0.9999763851
DACH2	3.2353357581	0.554787377	0.9999763851
PCDH11X	-1.1936051126	0.7086869192	0.9999763851
DIAPH2	-1.1970875105	0.3345913465	0.9999763851
RPA4	-3.3272796812	0.2416806948	0.9999763851
TSPAN6	0	0	0
SRPX2	0	0	0
CSTF2	1.2221953461	0.4478723682	0.9999763851
NOX1	-1.4379838511	0.2130291302	0.9999763851
XKRX	2.9232244853	0.2442102849	0.9999763851
ARL13A	-4.2849908816	0.4028453076	0.9999763851

gene_expression_table

TRMT2B	1.6303232337	0.0342620234	0.9999763851
CENPI	-1.0919815161	0.6201048971	0.9999763851
DRP2	3.2353357581	0.554787377	0.9999763851
TAF7L	9.0182935529	0.2609657796	0.9999763851
TIMM8A	1.2812091185	0.2272376241	0.9999763851
BTK	-1.3888691604	0.3330595002	0.9999763851
RPL36A	-1.0420715634	0.7363288338	0.9999763851
RPL36A-HNRNPH2	2.544562497	0.0387463177	0.9999763851
GLA	-1.1422652531	0.6335434355	0.9999763851
HNRNPH2	1.0411480659	0.7862114063	0.9999763851
ZMAT1	1.3264789913	0.7365132275	0.9999763851
NXF2	3.2353357581	0.554787377	0.9999763851
ARMCX5	-1.6284449418	0.1078910947	0.9999763851
ARMCX5-GPRASP2	-1.545717287	0.473734045	0.9999763851
GPRASP1	3.2356557963	0.5547505991	0.9999763851
GPRASP2	2.2221563097	0.3483409618	0.9999763851
BHLHB9	2.2210080778	0.3400283051	0.9999763851
BEX1	1.1959576961	0.1321389594	0.9999763851
NXF3	1.1844904925	0.3044025267	0.9999763851
TCEAL8	-1.0090719407	0.9741041649	0.9999763851
MORF4L2	-1.1498286819	0.2537412253	0.9999763851
TMEM31	7.7204093521	0.2871636946	0.9999763851
SLC25A53	1.1539476483	0.6061023964	0.9999763851
FAM199X	1.1701032242	0.4467382393	0.9999763851
NRK	0	0	0
RNF128	1.5203268921	0.0428728861	0.9999763851
CLDN2	0	0	0
RBM41	-1.8993910992	0.018435713	0.9999763851
NUP62CL	-1.3709710942	0.7479558959	0.9999763851
FRMPD3	0	0	0
PRPS1	1.0170642475	0.8949629157	0.9999763851
TSC22D3	-1.3625562525	0.1711797479	0.9999763851
MID2	0	0	0
PSMD10	-1.2786988487	0.172711177	0.9999763851
ATG4A	1.2363127965	0.4536382615	0.9999763851
GUCY2F	0	0	0
NXT2	-1.0074371304	0.9726342134	0.9999763851
KCNE5	-1.3154339304	0.8205576571	0.9999763851
ACSL4	-1.3531337689	0.0534029084	0.9999763851
LOC105373311	0	0	0
TMEM164	-2.3256462279	0.0279298985	0.9999763851
LOC101928589	1.0128923067	0.9405360741	0.9999763851
AMMECR1	1.1163284952	0.4706754767	0.9999763851
PAK3	0	0	0
ALG13	1.2832457643	0.3277979776	0.9999763851
TRPC5	-4.2849908816	0.4028453076	0.9999763851
ZCCHC16	0	0	0
AMOT	0	0	0
HTR2C	0	0	0

gene_expression_table

SLC6A14	0	0	0
KLHL13	-7.5622178268	0.2177145568	0.9999763851
WDR44	-1.2867962094	0.4216882584	0.9999763851
DOCK11	1.0252970311	0.8907222698	0.9999763851
IL13RA1	-1.140370259	0.7119758921	0.9999763851
LONRF3	1.0549477691	0.8449792278	0.9999763851
KIAA1210	3.2353357581	0.554787377	0.9999763851
PGRMC1	1.1265560212	0.4379595853	0.9999763851
LOC107985692	1.028107434	0.9764068387	0.9999763851
SLC25A43	1.1844585705	0.5170993692	0.9999763851
SLC25A5	1.0670132311	0.6288575696	0.9999763851
CXorf56	-1.0144012522	0.9369106824	0.9999763851
UBE2A	1.2553873273	0.1365634671	0.9999763851
NKRF	1.1989286777	0.4182014241	0.9999763851
SEPT6	1.0542922729	0.7479085908	0.9999763851
SOWAHD	-1.5574413096	0.1094395301	0.9999763851
RPL39	-1.2206888271	0.0903692017	0.9999763851
UPF3B	-1.1147038553	0.5051723384	0.9999763851
RNF113A	-1.1380165846	0.5922713725	0.9999763851
NDUFA1	-1.0640445523	0.6382188041	0.9999763851
NKAP	-1.290596591	0.2886927211	0.9999763851
RHOXF2B	1.0931859836	0.6239408594	0.9999763851
RHOXF1	-2.3212684229	0.4490660804	0.9999763851
RHOXF2	1.0356249387	0.8658316457	0.9999763851
ZBTB33	-1.0534764424	0.7911118114	0.9999763851
TMEM255A	-1.421366223	0.7027283292	0.9999763851
LAMP2	-1.2294740586	0.0886505595	0.9999763851
CUL4B	-1.5418605154	0.009505	0.9999763851
MCTS1	1.0320054111	0.8377654909	0.9999763851
C1GALT1C1	-1.2815186629	0.2053470938	0.9999763851
GLUD2	0	0	0
GRIA3	0	0	0
THOC2	-1.0780940073	0.62766397	0.9999763851
XIAP	-1.030253522	0.885780927	0.9999763851
STAG2	-1.2475689796	0.1254940216	0.9999763851
SH2D1A	0	0	0
TENM1	0	0	0
SMARCA1	-4.2849908816	0.4028453076	0.9999763851
OCRL	1.1667515589	0.6057142129	0.9999763851
APLN	1.0739483694	0.8527518242	0.9999763851
SASH3	-1.1955019714	0.5180133536	0.9999763851
ZDHHC9	-1.4522850717	0.2901047194	0.9999763851
UTP14A	1.0636156443	0.7935158949	0.9999763851
BCORL1	-1.5857351591	0.1498111938	0.9999763851
ELF4	-1.0208225032	0.93052989	0.9999763851
RAB33A	-1.3636445218	0.2348444116	0.9999763851
AIFM1	1.0638062388	0.7269319748	0.9999763851
ZNF280C	-1.0159473794	0.9785897534	0.9999763851
SLC25A14	1.6753475703	0.3450928518	0.9999763851

gene_expression_table

RBMX2	-1.2748094198	0.2547520794	0.9999763851
ENOX2	-2.132117667	0.007662	0.9999763851
STK26	1.2177057538	0.3532860046	0.9999763851
RAP2C	-1.0959609813	0.7825573475	0.9999763851
MBNL3	1.4759716183	0.1791659182	0.9999763851
HS6ST2	3.2356557963	0.5547505991	0.9999763851
USP26	0	0	0
GPC4	0	0	0
GPC3	-1.196198281	0.3323894559	0.9999763851
PHF6	-1.1200584376	0.5596286482	0.9999763851
HPRT1	-1.0944752509	0.5993886396	0.9999763851
PLAC1	-4.2849908816	0.4028453076	0.9999763851
FAM122B	-1.1834007807	0.4315408975	0.9999763851
FAM122C	1.5501971516	0.5514360035	0.9999763851
MOSPD1	-1.0389294895	0.8903987234	0.9999763851
ZNF75D	1.0656407304	0.8623107089	0.9999763851
ZNF449	1.3625577098	0.5439964944	0.9999763851
INTS6L	-1.1792156438	0.6405103661	0.9999763851
MMGT1	-1.379267999	0.0470949682	0.9999763851
SLC9A6	-1.1118685855	0.6594975818	0.9999763851
FHL1	-2.5596117216	0.2622579937	0.9999763851
MAP7D3	1.2140077333	0.3476429432	0.9999763851
HTATSF1	1.1878277556	0.3271124364	0.9999763851
CD40LG	0	0	0
ARHGEF6	1.3823840123	0.0663173568	0.9999763851
RBMX	1.1894441661	0.212235094	0.9999763851
ATP11C	-1.1623857971	0.6491903299	0.9999763851
FMR1	1.0531286057	0.8070604233	0.9999763851
AFF2	-1.2496200521	0.1576433464	0.9999763851
IDS	-1.1600717323	0.3504041917	0.9999763851
CXorf40A	1.0650515411	0.6562378832	0.9999763851
LOC101928917	-1.2440466269	0.8062696907	0.9999763851
HSFX2	0	0	0
TMEM185A	-1.0836737653	0.7482294461	0.9999763851
CXorf40B	1.1605570989	0.7098520795	0.9999763851
LOC101927685	10.4285443305	0.2412517111	0.9999763851
MAMLD1	-1.2505104404	0.6167819305	0.9999763851
MTM1	-1.0979035237	0.7888241439	0.9999763851
MTMR1	1.0798575008	0.7011637079	0.9999763851
CD99L2	-1.1589734621	0.3935521396	0.9999763851
HMGB3	1.0968298592	0.5834890602	0.9999763851
VMA21	-1.072787977	0.5599800554	0.9999763851
CETN2	1.2244124268	0.3564465786	0.9999763851
NSDHL	1.3420805834	0.0867692213	0.9999763851
ZNF185	-1.1480107667	0.7088226083	0.9999763851
PNMA5	-3.5025636081	0.0814357562	0.9999763851
PNMA6A	-1.035933364	0.9119548403	0.9999763851
LOC105373377	0	0	0
ZNF275	1.1667838182	0.3709045723	0.9999763851

gene_expression_table

ZFP92	-1.1006359229	0.8004925966	0.9999763851
TREX2	0	0	0
HAUS7	1.0447737834	0.8115390768	0.9999763851
ATP2B3	1.6016752259	0.048130337	0.9999763851
FAM58A	-1.089243938	0.5875825455	0.9999763851
DUSP9	0	0	0
PNCK	0	0	0
SLC6A8	1.0690172838	0.8559098113	0.9999763851
BCAP31	-1.1792743487	0.2009318969	0.9999763851
ABCD1	-1.190711552	0.7392376829	0.9999763851
PLXNB3	-4.2849908816	0.4028453076	0.9999763851
SRPK3	3.2353357581	0.554787377	0.9999763851
IDH3G	1.1346603404	0.5355827764	0.9999763851
SSR4	-1.0155381757	0.9059964588	0.9999763851
L1CAM	-4.2849908816	0.4028453076	0.9999763851
ARHGAP4	1.0471879359	0.7858131542	0.9999763851
NAA10	1.0864836414	0.6338615596	0.9999763851
RENBP	-1.3478377477	0.70763595	0.9999763851
HCFC1	-1.087419549	0.5290397413	0.9999763851
TMEM187	-1.1766249893	0.5839295293	0.9999763851
IRAK1	-1.0701854491	0.5928609473	0.9999763851
MECP2	1.0386967751	0.8373976116	0.9999763851
OPN1MW3	0	0	0
TEX28	-4.2864494036	0.4027150576	0.9999763851
TKTL1	0	0	0
FLNA	1.113066242	0.4517748001	0.9999763851
EMD	-1.1266188698	0.3739418889	0.9999763851
LOC107987332	-1.0805489166	0.9266273402	0.9999763851
RPL10	1.007566759	0.9508925814	0.9999763851
DNASE1L1	25.7318302623	0.086611497	0.9999763851
TAZ	1.3416866188	0.250956068	0.9999763851
ATP6AP1	-1.290725549	0.0931001185	0.9999763851
GDI1	-1.0578991638	0.8141885679	0.9999763851
FAM50A	-1.0997381288	0.6697718491	0.9999763851
PLXNA3	-1.7100795486	0.2800622542	0.9999763851
LAGE3	1.1097842427	0.4491767082	0.9999763851
UBL4A	1.117272202	0.4908774701	0.9999763851
SLC10A3	1.0102115797	0.9712896597	0.9999763851
FAM3A	-1.1759623533	0.5227866729	0.9999763851
G6PD	1.061669991	0.791531188	0.9999763851
IKBK	1.1892372608	0.3855290077	0.9999763851
CTAG1A	0	0	0
CTAG2	0	0	0
GAB3	-1.126520263	0.7606676546	0.9999763851
DKC1	-1.019636857	0.8746029938	0.9999763851
MPP1	-1.0174105478	0.9204934252	0.9999763851
F8	-1.6000763874	0.1136264493	0.9999763851
F8A1	1.1705011255	0.3793251097	0.9999763851
FUNDC2	1.3538261043	0.0450860948	0.9999763851

gene_expression_table

CMC4	-1.1608255751	0.5863480437	0.9999763851
BRCC3	1.3096431394	0.0551580228	0.9999763851
VBP1	1.235780371	0.1441397678	0.9999763851
RAB39B	-10.8385246611	0.1454069559	0.9999763851
CLIC2	5.4776292235	0.3745831165	0.9999763851
H2AFB3	0	0	0
TMLHE	-1.5706816925	0.0753798139	0.9999763851
VAMP7_1	-1.141054452	0.5454661057	0.9999763851
IL9R_1	1.6938437942	0.6481572941	0.9999763851
PLCXD1_2	1.2905586889	0.3873702766	0.9999763851
GTPBP6_2	-1.3046636917	0.3468079464	0.9999763851
PPP2R3B_2	1.5771203822	0.4036766773	0.9999763851
CRLF2_2	3.2361532718	0.5546934395	0.9999763851
CSF2RA_2	1.2803114561	0.5266534532	0.9999763851
IL3RA_2	-3.6968212056	0.0403926302	0.9999763851
SLC25A6_2	-1.0665690999	0.6273739961	0.9999763851
LOC105373102_2	0	0	0
ASMTL_2	1.0643864794	0.846950869	0.9999763851
P2RY8_2	1.1317377513	0.4851385916	0.9999763851
AKAP17A_2	-1.4204208174	0.1312113196	0.9999763851
DHRX_2	1.6720530332	0.2414991074	0.9999763851
ZBED1_2	1.3579048027	0.3925305766	0.9999763851
CD99_2	1.3642399858	0.0567801736	0.9999763851
PCDH11Y	1.2978756447	0.6533023971	0.9999763851
TBL1Y	3.2356557963	0.5547505991	0.9999763851
UTY	-1.0446740863	0.8391423821	0.9999763851
VAMP7_2	-1.0257561175	0.9060544063	0.9999763851
IL9R_2	-4.2864494036	0.4027150576	0.9999763851

gene_expression_table

LZ vs. C 2H - Fold change	LZ vs. C 2H - P-value	LZ vs. C 2H - FDR p-value	LZ vs. C 24H - Fold change
1.10528199	0.9276332648	0.9999537652	1.8767838835
-1.5860648294	0.2531574376	0.9999537652	1.0136550264
-2.6446103845	0.1562354099	0.9999537652	3.0003884395
-5.4085287896	0.1678820504	0.9999537652	2.6680086435
-1.1605807802	0.5166447141	0.9999537652	-1.2193980307
-1.8463159225	0.3754329048	0.9999537652	1.9767548276
-1.1614998763	0.8765266921	0.9999537652	-7.959096917
43.1761895246	0.138814462	0.9999537652	-1.4457524838
1.3831342462	0.1347081514	0.9999537652	1.3681076502
2.0510528871	0.014024137	0.9999537652	-1.720458724
-2.2358596109	0.3474892464	0.9999537652	-1.7815563324
1.4934216573	0.322078157	0.9999537652	-1.4542840694
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.1516354134	0.2960876305	0.9999537652	-1.0196853503
-1.1773928401	0.3695770411	0.9999537652	-1.0465296466
6.3130691196	0.4797718667	0.9999537652	-2.579624099
1.2399533326	0.150158816	0.9999537652	-1.4706241177
1.6505943575	0.3275001729	0.9999537652	-1.076260814
1.9844400563	0.0837345008	0.9999537652	1.198439035
1.3482604893	0.3884706256	0.9999537652	1.1773892926
-1.1914214817	0.3862039382	0.9999537652	-1.2309828877
-1.0385845306	0.9212851175	0.9999537652	-1.1931526885
0	0	0	4.9527501949
-1.1029431029	0.6938649941	0.9999537652	-1.5093905438
2.7957660672	0.7053686484	0.9999537652	-2.2688699986
-1.0305638735	0.8451673338	0.9999537652	-1.1442878229
1.1365504914	0.4660309926	0.9999537652	-1.373255798
-1.3692914198	0.0129226026	0.9999537652	-1.0358353977
0	0	0	0
-1.1906603306	0.3566322876	0.9999537652	-1.0552255407
1.1094478586	0.5676066705	0.9999537652	1.1828806805
4.5545995984	0.5696849358	0.9999537652	15.9659633994
1.1381578178	0.4220729377	0.9999537652	-1.0934581933
-2.045920934	0.2680651636	0.9999537652	1.194084372
2.4053922493	0.072197911	0.9999537652	1.0603766475
4.5505976667	0.5602947896	0.9999537652	2.0426682045
-1.0303073468	0.9092333091	0.9999537652	1.0525858406
-1.3668253196	0.6211065807	0.9999537652	-1.5695393714
1.6383451237	0.1764597898	0.9999537652	-1.1745673469
-1.0958096873	0.6506193145	0.9999537652	-1.3134652331
1.1496401381	0.3645879395	0.9999537652	1.1582559275
1.0562323577	0.6839483801	0.9999537652	-1.0596568104
0	0	0	0
0	0	0	2.996475627
1.8448460942	0.5998814491	0.9999537652	-1.1444432957
9.8205505243	0.3808420729	0.9999537652	-2.1294907556
3.4733637305	0.1323277297	0.9999537652	-4.1628315719
-1.3161399115	0.6818520939	0.9999537652	-2.7336138579

gene_expression_table

1.2331805204	0.3514761239	0.9999537652	1.1099148212
1.2203996378	0.3274799992	0.9999537652	1.0600268824
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-1.1292443617	0.4351211423	0.9999537652	1.0374261822
-1.0573626032	0.9485462547	0.9999537652	1.2648328658
2.7933974408	0.6948713406	0.9999537652	2.996475627
-9.978837909	0.0402225068	0.9999537652	4.3673319332
1.464268315	0.1950663647	0.9999537652	-1.2477442156
1.0052819665	0.9854632738	0.9999537652	-1.3577034746
3.9205610751	0.3357966134	0.9999537652	-2.2890929548
11.5766527773	0.3453182652	0.9999537652	-1.0416326979
-1.110189331	0.5774271764	0.9999537652	1.0930564242
1.1575446714	0.3998498426	0.9999537652	-1.101093941
-1.3400297652	0.6616825679	0.9999537652	1.1651206374
0	0	0	1.4002700172
1.172424593	0.3590082646	0.9999537652	1.1175147103
-1.7351800694	0.1234754864	0.9999537652	1.4313839154
-1.6349152306	0.0389941583	0.9999537652	-1.2850581633
-1.2060989687	0.3846621475	0.9999537652	1.2070699866
1.2346183256	0.5355491746	0.9999537652	-1.3840773989
1.0608210445	0.6741671183	0.9999537652	-1.1317017104
8.064174035	0.4217332484	0.9999537652	8.8639046058
1.0332721989	0.7796012859	0.9999537652	1.1051144085
0	0	0	-1.8579915692
-1.0279853933	0.8620338982	0.9999537652	-1.2607518155
1.6090500367	0.3625909589	0.9999537652	-1.0678039382
-1.2532594199	0.1940100651	0.9999537652	-1.1878739819
-1.0015629939	0.9929026379	0.9999537652	-1.0560370856
0	0	0	2.996475627
-1.0470191668	0.9220269612	0.9999537652	-1.4349942283
-1.0708604909	0.7170251155	0.9999537652	-1.0960965781
-1.20855776	0.4169736539	0.9999537652	-1.4736426865
1.0841005925	0.6635011713	0.9999537652	-1.1848744921
2.6978201187	0.2074092412	0.9999537652	1.2941165299
1.1196684085	0.5745829099	0.9999537652	1.1240225664
-1.0370558735	0.8737506926	0.9999537652	-1.2077559626
-1.5820364396	0.0373170244	0.9999537652	1.2640773099
-4.7509653312	0.0676923003	0.9999537652	5.5797416422
-1.474256113	0.6746833091	0.9999537652	-2.1299895658
1.1296005396	0.3323816266	0.9999537652	-1.0167862486
1.2673417318	0.6154243016	0.9999537652	-1.0470597281
-1.0983845365	0.5738426571	0.9999537652	-1.1525448434
1.0206140979	0.8581335656	0.9999537652	-1.1767681806
11.5766527773	0.3453795744	0.9999537652	-1.2612704763
4.5505976667	0.5602519568	0.9999537652	1.8368734345
1.0763770131	0.7359935714	0.9999537652	-1.2326808857
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gene_expression_table

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-1.2015263683	0.2364451284	0.9999537652	-1.2282585625
1.0637999368	0.741521951	0.9999537652	-1.2000274238
1.1704047011	0.4190084799	0.9999537652	1.0368675479
1.0034416048	0.9848842656	0.9999537652	1.0392791098
1.044734083	0.9162329306	0.9999537652	1.7317352387
0	0	0	4.9527501949
-1.0993527828	0.6900911222	0.9999537652	1.137517165
1.2564260193	0.3591803667	0.9999537652	-1.1771672068
1.0855263342	0.6130272174	0.9999537652	-1.1258264514
1.1048804532	0.6482951209	0.9999537652	1.8265018786
16.8433158146	0.2732521726	0.9999537652	1.1908762699
1.8176665782	0.2803966492	0.9999537652	1.1917871104
1.0818727716	0.782196633	0.9999537652	-1.3224092277
1.3064529969	0.3466226355	0.9999537652	-1.0220704003
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-1.2019892207	0.1829553932	0.9999537652	-1.0139778938
-6.9764533263	0.2589868856	0.9999537652	10.8262784008
1.1126634716	0.4317679094	0.9999537652	1.0143094048
1.2796759192	0.2868486277	0.9999537652	1.205614606
1.4342270601	0.0959307236	0.9999537652	-1.1242533918
-1.2647715161	0.2021858668	0.9999537652	1.1426264459
1.0737844037	0.9174636831	0.9999537652	-1.0755220967
-4.8154268017	0.1712535923	0.9999537652	1.401081723
-1.1760439694	0.7322879508	0.9999537652	1.9159733225
-1.1675671268	0.4305517183	0.9999537652	-1.0775371582
1.1168108737	0.9283095311	0.9999537652	-2.2407182823
1.5217239176	0.065183155	0.9999537652	-1.4261172168
1.5129672515	0.2592466998	0.9999537652	-1.641094014
1.0813404924	0.8356929949	0.9999537652	-1.5563677034
1.0717488148	0.6398508845	0.9999537652	-1.1509258264
1.4597061306	0.11471059	0.9999537652	-1.1890517545
1.0269468359	0.8816704934	0.9999537652	1.1342587074
-1.8964662446	0.0626215067	0.9999537652	-1.1429488648
1.4322794364	0.0121417135	0.9999537652	-1.2295595384
-1.1897798958	0.5568564682	0.9999537652	1.0043705722
1.3115617248	0.6180786908	0.9999537652	-1.1773184466
-7.8036543138	0.0001877	0.9999537652	-1.537349674
-1.0310062934	0.8832622147	0.9999537652	1.1414587399
-1.4596913105	0.2218197026	0.9999537652	-1.1037459052
1.3048687591	0.7280138725	0.9999537652	-1.4238795843
0	0	0	2.996475627
-1.0744629625	0.703009882	0.9999537652	-1.1382543897
0	0	0	-5.3589986948
2.7933974408	0.6948713406	0.9999537652	-1.1517639145
2.2973085201	0.3347705566	0.9999537652	-1.0001429436
-1.3015793855	0.6212406659	0.9999537652	1.0473903176

gene_expression_table

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4.5505976667	0.5601667107	0.9999537652	-2.0477227478
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1.1260783533	0.874823167	0.9999537652	1.2400291296
-1.1411794826	0.6103272282	0.9999537652	-1.1000749884
0	0	0	4.9561842702
0	0	0	2.996475627
0	0	0	10.818785458
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-1.0464740425	0.9164900533	0.9999537652	1.0218716297
1.7746691972	0.0920574714	0.9999537652	1.177682036
-1.5881166222	0.7258793166	0.9999537652	-2.8769815942
0	0	0	-4.1123558411
1.551024778	0.2155505763	0.9999537652	1.0389279812
-1.0971375911	0.5913987171	0.9999537652	1.0588529503
-1.0957145392	0.6815053152	0.9999537652	-1.2452416615
9.8205505243	0.3808419294	0.9999537652	0
-1.0419294728	0.8643541431	0.9999537652	-1.1981180197
-1.1614010521	0.8859841055	0.9999537652	-1.859280336
1.5692454894	0.3144870947	0.9999537652	-1.272799313
2.4246765564	0.3289726365	0.9999537652	-1.6166104906
-1.7991827318	0.1599768416	0.9999537652	1.6631648689
1.1721069104	0.4231487407	0.9999537652	1.5818326671
-1.0116689235	0.981072017	0.9999537652	-1.1184437609
11.5864583426	0.3448356866	0.9999537652	-9.7598809705
1.1158583321	0.9297364246	0.9999537652	4.9527501949
-1.0570844474	0.7048086156	0.9999537652	1.1865151013
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0	0	0	4.9527501949
1.0750163095	0.7314637246	0.9999537652	1.1198036744
1.2056652288	0.5924413045	0.9999537652	-1.5260706903
-1.0154268928	0.9222589647	0.9999537652	-1.229336511
-1.1331646408	0.5215903731	0.9999537652	-1.209742527
1.1994744877	0.215167938	0.9999537652	1.3527275514
1.403011356	0.5100676788	0.9999537652	-1.0175257376
1.0762862679	0.7100499246	0.9999537652	-1.318299503
-1.1218301713	0.7886031365	0.9999537652	1.4979993531
-1.1764280082	0.2798347826	0.9999537652	-1.0561374651
1.1448492661	0.2887277473	0.9999537652	1.0527462452
0	0	0	6.908559683
9.8205505243	0.3808417859	0.9999537652	0
1.6993243546	0.1953859618	0.9999537652	-1.2411843512
-1.7534006362	0.3972637108	0.9999537652	-1.3017571381
0	0	0	-1.859280336
-1.2944263568	0.7117037764	0.9999537652	1.0391615581
1.2489712975	0.5694639771	0.9999537652	-1.1788432134
9.8205505243	0.3808416424	0.9999537652	-1.2450158522

gene_expression_table

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1.6470826326	0.1223015051	0.9999537652	1.3581885365
1.1320933008	0.684023517	0.9999537652	1.061240163
-1.0049166968	0.9823524039	0.9999537652	-1.1797894605
-1.1496649418	0.3198611941	0.9999537652	-1.0360183373
2.4133372013	0.2023508426	0.9999537652	-1.3071878875
-1.19172018	0.2315250344	0.9999537652	1.0446619467
-1.3434418218	0.1583998081	0.9999537652	1.0484512629
1.3732135791	0.2617531941	0.9999537652	-1.1576880251
1.3937045222	0.4388371092	0.9999537652	1.0053122895
0	0	0	-1.4671686592
-1.2218032769	0.2053928402	0.9999537652	-1.1103354284
2.8197560167	0.3542734986	0.9999537652	-2.4486849086
2.7933974408	0.6948713406	0.9999537652	-2.763189328
0	0	0	0
1.0672621842	0.6327788678	0.9999537652	1.2169611695
-1.590255273	0.1879166969	0.9999537652	-1.1405754084
0	0	0	1.0667457716
-3.4373511952	0.0248626078	0.9999537652	-1.2771771246
0	0	0	2.9985540909
8.064174035	0.4218818154	0.9999537652	8.8761957907
-1.0791207813	0.7440224237	0.9999537652	-1.2810451512
1.4965788567	0.2852845556	0.9999537652	1.1254891831
1.0750942371	0.6200566068	0.9999537652	1.3066423756
1.2537376893	0.8095955294	0.9999537652	1.1040524007
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2.5569228903	0.2905718207	0.9999537652	-1.2376612364
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1.0181442537	0.9193517276	0.9999537652	1.0139763625
1.5261191208	0.0201939316	0.9999537652	-1.2672325335
1.3039775859	0.2559723514	0.9999537652	1.4952908799
1.8332330904	0.0594152722	0.9999537652	-1.1496850827
1.0277663838	0.8580232464	0.9999537652	-1.1057368774
1.4016970427	0.1746374643	0.9999537652	-1.0260127158
1.0218616277	0.9130820929	0.9999537652	1.3753063988
-1.1288878214	0.3808223911	0.9999537652	1.0738389115
29.8698312703	0.2177267878	0.9999537652	0
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0	0	0	6.908559683
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32.6858196958	0.1751819618	0.9999537652	-14.149476906
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3.1790945967	0.1209938425	0.9999537652	1.0675523501
0	0	0	-1.8577842586
-1.3447452208	0.0387185886	0.9999537652	1.1200722131
1.0665167775	0.7412067047	0.9999537652	1.1528263681

gene_expression_table

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-1.0524246233	0.7887770687	0.9999537652	1.3386813366
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1.2477586312	0.2155490651	0.9999537652	1.3979704468
-2.9523355565	0.3410999344	0.9999537652	1.1381503565
1.3149096804	0.3082638591	0.9999537652	-1.3075866405
1.5808525587	0.0449636379	0.9999537652	-1.1278235195
1.3092729054	0.6816045262	0.9999537652	-1.5035806696
1.2283025042	0.4718104648	0.9999537652	-1.202902615
-4.3600564455	0.1220241376	0.9999537652	-1.1706134134
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1.543349394	0.3251748101	0.9999537652	-1.2209089991
-1.4982318958	0.3290218254	0.9999537652	1.2518282786
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0	0	0	2.9985540909
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-1.0860630806	0.6751624839	0.9999537652	1.3340777614
0	0	0	6.908559683
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1.0032331827	0.98524775	0.9999537652	-1.376033252
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-1.0096484376	0.9873212096	0.9999537652	1.2389534888
1.5024583949	0.1887806579	0.9999537652	-1.1483432976
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1.1714077321	0.3400891644	0.9999537652	1.3070615412
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1.6704883732	0.3479647645	0.9999537652	1.8969815978
1.604666205	0.3082122442	0.9999537652	-1.2613931533
-1.2242279135	0.5269571422	0.9999537652	-1.248448714
-1.7618136108	0.1949034723	0.9999537652	-1.6606015239
-1.562511822	0.373223776	0.9999537652	1.5393291474
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0	0	0	0
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gene_expression_table

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11.5766527773	0.3454410623	0.9999537652	-1.2787310716
1.1365121976	0.767701082	0.9999537652	-1.270468274
1.2254326777	0.2857157666	0.9999537652	1.1232950943
1.3741714424	0.1038410379	0.9999537652	-1.1627235497
-1.1497536519	0.2915725961	0.9999537652	-1.3279684207
-1.1207502931	0.382197607	0.9999537652	1.0223549505
1.1496921257	0.6873342003	0.9999537652	-1.1303011748
1.1443001377	0.5328957798	0.9999537652	1.0911481205
1.3978582255	0.1147921926	0.9999537652	-1.2111656156
-1.0766524571	0.5890138713	0.9999537652	1.0948628877
1.0273494929	0.8966956411	0.9999537652	-1.0214419977
-1.0607912724	0.7598743747	0.9999537652	-1.1333879622
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1.0714346035	0.6355078051	0.9999537652	1.2043980651
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-1.1185944805	0.7185550791	0.9999537652	-1.0593186558
-1.5799266646	0.3938777432	0.9999537652	-1.1569776719
2.2857336825	0.2833602445	0.9999537652	-2.1545257517
1.0332333907	0.8094728176	0.9999537652	-1.0207763969
-1.1073437342	0.6042753505	0.9999537652	-1.1423640102
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2.3442980505	0.00678	0.9999537652	2.201778415
1.7979931789	0.0944765429	0.9999537652	1.1609100073
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1.1040648097	0.7883568421	0.9999537652	-1.3353650969
18.5983228161	0.2580928751	0.9999537652	2.2945277226
4.5505976667	0.5601242665	0.9999537652	0
1.1254792007	0.6211463848	0.9999537652	-1.0753446658
0	0	0	10.818785458
0	0	0	-1.1254032646
55.4372391663	0.1147996924	0.9999537652	1.1338344759
1.0144837009	0.9168845455	0.9999537652	-1.1454522933
1.0243749863	0.8503847803	0.9999537652	1.2949812292
1.1872085626	0.5238286834	0.9999537652	1.2110972878
1.0781358157	0.677317153	0.9999537652	1.0248871388
1.4406217787	0.1031887252	0.9999537652	-1.2466835892
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1.2900400603	0.0877242979	0.9999537652	1.189817362
2.7957660672	0.7053709654	0.9999537652	-5.3583704783
1.2533830106	0.142365015	0.9999537652	-1.175992956

gene_expression_table

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1.2259155854	0.5337441509	0.9999537652	1.0911177817
-1.5320841189	0.24150329	0.9999537652	1.3911553586
1.4423177973	0.1062936902	0.9999537652	1.2017934321
-1.7227220134	0.0807320056	0.9999537652	-1.2254275527
1.3032749865	0.1319847735	0.9999537652	1.5729208749
-2.4906115235	0.156990793	0.9999537652	-1.1551081672
1.12057142	0.4635478989	0.9999537652	1.0784595307
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1.0711012009	0.9181830574	0.9999537652	-1.1397615944
-1.3685209014	0.2178779165	0.9999537652	-1.265422587
1.1134695966	0.4014261559	0.9999537652	1.1724782094
3.9929885588	0.117094833	0.9999537652	-1.3490488064
-1.5354924971	0.6039487219	0.9999537652	-3.8549258508
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4.5505976667	0.5600819198	0.9999537652	-5.3583704783
1.0794045774	0.8424035836	0.9999537652	1.4482711617
1.6330634729	0.0927260061	0.9999537652	1.223678401
1.044906612	0.9071823808	0.9999537652	-1.1100066722
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1.2475158226	0.0869075837	0.9999537652	1.0902649432
1.2396532016	0.2434787162	0.9999537652	1.0545114666
2.0450110053	0.2143930889	0.9999537652	-1.7084103116
1.1713242174	0.5403593713	0.9999537652	-1.2957489773
1.1261680185	0.3943093522	0.9999537652	-1.0089336775
1.1797801492	0.6227367526	0.9999537652	1.4777834233
1.3473079473	0.1031447121	0.9999537652	1.0576756121
-1.2045611581	0.5317745731	0.9999537652	1.2305376207
-1.3451777133	0.2621448914	0.9999537652	-1.0010144402
-1.2318295872	0.4112273969	0.9999537652	-1.1568211817
-1.0393161861	0.8395802028	0.9999537652	-1.2343426546
0	0	0	2.9985540909
-1.1115581008	0.4755648918	0.9999537652	-1.3980882715
-1.4181452512	0.0469945874	0.9999537652	-1.1004426199
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20.3702769952	0.2388376207	0.9999537652	3.3380115123
-1.0583085622	0.7502207169	0.9999537652	1.0530619383
1.3080531364	0.1782914917	0.9999537652	-1.1920628602
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1.2687304249	0.2900395142	0.9999537652	1.0874274909

gene_expression_table

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-1.1570114275	0.4345759868	0.9999537652	1.064483668
1.5856903433	0.1504032706	0.9999537652	1.3255064867
4.5505976667	0.5600396528	0.9999537652	2.996475627
1.1002538735	0.5686891582	0.9999537652	1.0656291512
1.0286795814	0.9375929988	0.9999537652	1.0450332033
-1.3171866006	0.0791307732	0.9999537652	-1.3755108522
0	0	0	2.9936870021
-1.172656166	0.641383722	0.9999537652	-1.4127324621
-1.2416590917	0.3215959406	0.9999537652	-1.000767484
1.1450755216	0.4266514545	0.9999537652	-1.1910688372
-1.1679888826	0.625579704	0.9999537652	-1.1716453936
1.0675496976	0.7670807905	0.9999537652	-1.1795037312
-1.1420896173	0.3481934473	0.9999537652	-1.1526321072
1.5530248508	0.0909486209	0.9999537652	-1.224470308
-1.2254108314	0.221572877	0.9999537652	1.1774012103
8.064174035	0.4220879833	0.9999537652	-5.3583704783
1.1548106548	0.3772606293	0.9999537652	-1.0853578586
1.220469677	0.2516044354	0.9999537652	1.2547296735
-1.1605169044	0.87724665	0.9999537652	22.5539272529
1.3832388859	0.7303129975	0.9999537652	2.6927776414
1.1038170718	0.6220664145	0.9999537652	1.431180021
1.0477021779	0.7251321517	0.9999537652	1.1145577554
-1.269291824	0.1712494738	0.9999537652	-1.0730936685
-1.3668802709	0.7626139546	0.9999537652	1.7753008822
1.0809129028	0.6625002902	0.9999537652	-1.0300908234
6.3075231393	0.4870565495	0.9999537652	-2.9512799199
0	0	0	1.2400291296
1.1908963242	0.3754914071	0.9999537652	-1.3050063441
-6.9764533263	0.259011687	0.9999537652	-5.3589986948
3.8622037496	0.6197833075	0.9999537652	0
1.1279421177	0.5948685733	0.9999537652	1.2853061507
1.452960249	0.6330455447	0.9999537652	-1.4474945519
-1.2223452557	0.3896042942	0.9999537652	-1.2425261009
1.0263353284	0.8369840022	0.9999537652	-1.0721422223
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1.3259854412	0.1474313202	0.9999537652	-1.1009279041
1.1803283106	0.5624303581	0.9999537652	-1.0146938145
1.3442080467	0.4379190427	0.9999537652	-1.212009577
-1.0151320554	0.9378540944	0.9999537652	-1.0111186892
1.1236950163	0.8892568623	0.9999537652	-1.2310805544
1.2269824241	0.6860838188	0.9999537652	1.1284441498
-1.2353103691	0.613909627	0.9999537652	1.067496081
1.8122239907	0.3026711123	0.9999537652	-1.3616350993
1.6277441819	0.3379156267	0.9999537652	1.0452464871
-1.4228319157	0.1225655692	0.9999537652	-1.2826769754
0	0	0	4.9527501949

gene_expression_table

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1.0872001045	0.6275433545	0.9999537652	1.0731629585
0	0	0	-5.3583704783
-1.2690293214	0.2143339979	0.9999537652	-1.2140979582
2.650087649	0.2276274606	0.9999537652	1.0662842542
-1.0409426418	0.9348906388	0.9999537652	1.6551813817
-1.075154381	0.7086016326	0.9999537652	1.1466305304
0	0	0	-1.1441751338
2.7933974408	0.6948713406	0.9999537652	1.1396966605
1.2951345093	0.1642799924	0.9999537652	1.1277171289
1.6455794001	0.5875096234	0.9999537652	-1.5809021445
-1.2183641759	0.2048828625	0.9999537652	-1.409190966
1.0398978461	0.7786895577	0.9999537652	1.4443700226
-1.2146479491	0.4365184718	0.9999537652	-1.2963167315
1.1565716118	0.7656411555	0.9999537652	-1.0160919311
0	0	0	1.2681859003
-1.0495582422	0.8967050307	0.9999537652	1.02194066
-1.4557262146	0.4433082788	0.9999537652	-1.0323778846
25.6372777234	0.20637664	0.9999537652	-1.5694163036
1.1997782402	0.3658540217	0.9999537652	-1.1822331645
-1.028547072	0.8374286041	0.9999537652	1.2281193937
4.5505976667	0.5599974468	0.9999537652	-3.382249888
2.7957660672	0.7053732832	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	0
4.5505976667	0.559955282	0.9999537652	1.5908108123
-1.1528972112	0.4614226755	0.9999537652	1.242496389
2.0222242291	0.0522194841	0.9999537652	1.3950796117
-1.2169205422	0.3215619449	0.9999537652	-1.1211764494
-1.5015849846	0.4870187897	0.9999537652	1.8439942031
-1.374129716	0.2142538533	0.9999537652	-1.6992005533
-2.5145521224	0.2123343195	0.9999537652	-1.248570001
1.110865361	0.6351870135	0.9999537652	-1.2007690487
-1.0877084206	0.836841528	0.9999537652	1.1388267452
-1.022930803	0.9356959145	0.9999537652	-1.1965536073
1.1737643413	0.5257982872	0.9999537652	1.6395947974
-1.1750224663	0.2181997378	0.9999537652	-1.1450381121
-1.2562244706	0.1913821449	0.9999537652	-1.3259678528
2.5559496274	0.2823303722	0.9999537652	-1.412904361
2.7933974408	0.6948713406	0.9999537652	0
-1.3032890847	0.2283528612	0.9999537652	-1.3823684937
-1.0466496129	0.9269454828	0.9999537652	-1.6804592274
1.1944930214	0.561824779	0.9999537652	1.2531283311
1.1208167739	0.4310563753	0.9999537652	-1.0912911915
2.2667759576	0.1565270749	0.9999537652	-1.1440764699
1.1400871961	0.486887258	0.9999537652	1.1171236468
-1.0484758332	0.7404669371	0.9999537652	-1.158712681
1.2024692751	0.11488698	0.9999537652	1.1012093621
-1.586167124	0.7106933692	0.9999537652	-1.9383054326
1.5208253654	0.2188386781	0.9999537652	-1.7889873273

gene_expression_table

0	0	0	0
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.1262768711	0.8820374785	0.9999537652	2.4214437991
-1.0971760565	0.7240935216	0.9999537652	1.0002705924
-1.3302776424	0.5715852522	0.9999537652	1.0812629779
1.0476525566	0.7661785389	0.9999537652	-1.2516077308
0	0	0	20.5862458385
-2.5838710423	0.5189022168	0.9999537652	12.7732027325
-2.1702133002	0.2400058676	0.9999537652	-1.0178965903
-1.5381976543	0.0248062011	0.9999537652	-1.2029817889
-1.8543734073	0.327231276	0.9999537652	-1.0655113791
1.9813161731	0.1878091287	0.9999537652	-1.0010652393
1.1173036187	0.3838712762	0.9999537652	-1.1383641311
1.3099269631	0.1614494217	0.9999537652	1.0211011786
-1.0412221126	0.7492152322	0.9999537652	-1.1574600751
1.0891709124	0.6429823572	0.9999537652	1.1310125259
1.1112840053	0.7419993669	0.9999537652	-1.0393822825
1.2450906471	0.7134929081	0.9999537652	-1.2573486479
-1.2208413918	0.5088838225	0.9999537652	-2.3103658431
1.1791628127	0.5775372983	0.9999537652	-1.7749289475
4.5505976667	0.5599131367	0.9999537652	-6.4329947745
-1.1927063612	0.6486131355	0.9999537652	-1.6373785342
-1.3102553506	0.2911977325	0.9999537652	-1.059205827
1.2837029658	0.2452452891	0.9999537652	1.0131599781
-1.0217868365	0.8505900797	0.9999537652	1.0014588759
1.3124976847	0.3256530702	0.9999537652	-1.0257219525
1.0178731443	0.9716553156	0.9999537652	-1.2930061459
8.064174035	0.4222958674	0.9999537652	-3.3849925178
1.2580470129	0.3730274099	0.9999537652	-1.0192383179
-1.1431736341	0.7926921836	0.9999537652	-1.2007824255
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4.5505976667	0.5598588711	0.9999537652	1.6293799659
-1.2033988235	0.4615907512	0.9999537652	1.1024083936
2.7933974408	0.6948713406	0.9999537652	4.7563522994
-1.1537703343	0.4412044283	0.9999537652	-1.1555825015
-1.2590448765	0.2134816883	0.9999537652	1.0937933066
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1.8608089771	0.2514551438	0.9999537652	-1.1223546752
0	0	0	1.2400291296
1.569331264	0.5622617354	0.9999537652	1.5212920711
2.7933974408	0.6948713406	0.9999537652	-1.4289359629
2.7957660672	0.705375602	0.9999537652	-1.0503901552
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-1.0725350922	0.7075375353	0.9999537652	1.3341992583
-1.007893027	0.9634127891	0.9999537652	-1.1284028615

gene_expression_table

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1.0176403375	0.9014011939	0.9999537652	1.1104674798
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1.3212001599	0.1271431747	0.9999537652	1.1729183131
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-1.1180612904	0.6580019736	0.9999537652	-1.1473667065
8.0712632467	0.4224823202	0.9999537652	-14.1527912683
-1.3963189647	0.2797786231	0.9999537652	-1.0903061024
1.1029877261	0.4859699052	0.9999537652	1.2700656458
-1.276159903	0.6660435593	0.9999537652	1.2107640399
1.8760194999	0.3716979044	0.9999537652	-1.3224225408
1.302434794	0.2099218319	0.9999537652	2.2528915636
0	0	0	10.818785458
-1.5890368905	0.1561935953	0.9999537652	-1.1105438951
1.1823230351	0.4804014385	0.9999537652	1.2614173336
1.1016992685	0.5982343613	0.9999537652	1.2210499789
-1.3393078441	0.1083477069	0.9999537652	1.1315225758
9.8291821523	0.3811038069	0.9999537652	1.9220782632
-1.0140128546	0.9248168754	0.9999537652	-1.0445368591
-1.0194394823	0.9535232858	0.9999537652	-1.0005203963
11.5766527773	0.3454647247	0.9999537652	-1.8664768557
-1.1298429156	0.5422616178	0.9999537652	-1.2990942919
1.4874702342	0.0354925444	0.9999537652	1.0848162035
-1.1304640754	0.4530955876	0.9999537652	1.2689520799
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-1.2518750322	0.5895440668	0.9999537652	-1.2489737278
-1.2066482828	0.1977150416	0.9999537652	-1.1795680277
-1.1680330631	0.3161034777	0.9999537652	1.1945559699
1.8649006196	0.620506401	0.9999537652	1.2040945368
1.1614348574	0.7337831187	0.9999537652	1.0130851806
1.3799976028	0.0844200459	0.9999537652	1.2311569557
-1.1615355103	0.8156655765	0.9999537652	1.3253294644
0	0	0	2.9988886918
4.5505976667	0.5598045854	0.9999537652	1.0266237419
-1.4199866313	0.009704	0.9999537652	-1.6156900919
0	0	0	6.914120153
-1.2836946567	0.3876729156	0.9999537652	1.051284174
13.0741687784	0.0107627561	0.9999537652	1.5297892232
0	0	0	2.996475627
4.5544554512	0.5691573201	0.9999537652	1.6460628488
29.1226294179	0.1908491632	0.9999537652	1.2349846686
1.0085580205	0.9719014407	0.9999537652	-1.0211049779
1.2432971499	0.4441913921	0.9999537652	1.7959624207
1.0783948971	0.6653394751	0.9999537652	-1.3531986202
1.006042197	0.9872041664	0.9999537652	-1.2786189483
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gene_expression_table

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-1.1670984831	0.8533071017	0.9999537652	-1.1427246333
1.7803338323	0.2993613603	0.9999537652	-1.3205536323
1.0479669741	0.7275551741	0.9999537652	-1.0087746951
-1.1736612603	0.7212980005	0.9999537652	-1.0416271711
-1.7093706328	0.2551301996	0.9999537652	1.0985139818
-1.1747320085	0.5771403015	0.9999537652	-1.3375701837
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1.0260974091	0.9540061191	0.9999537652	1.4652110309
1.4726411111	0.015535084	0.9999537652	-1.06727129
6.3075231393	0.4870548453	0.9999537652	2.996475627
0	0	0	1.5919129963
2.8260140473	0.18078623	0.9999537652	2.8650010279
-1.3144441883	0.1866894606	0.9999537652	-1.2337913027
1.3821044394	0.7594382286	0.9999537652	-1.2450880572
-1.0790260414	0.7381417187	0.9999537652	-1.0581826463
1.5149376505	0.6512923256	0.9999537652	1.082190931
1.2827463514	0.3970537723	0.9999537652	1.3313894322
1.4765643835	0.2267293522	0.9999537652	-1.0124565469
2.7933974408	0.6948713406	0.9999537652	1.5908108123
2.2953539498	0.3499733738	0.9999537652	-1.8255939325
1.030874123	0.9031610281	0.9999537652	-1.4270185394
-1.2682498223	0.5784049935	0.9999537652	1.4132821047
1.3826309223	0.7323555863	0.9999537652	-1.2199128373
1.0537173575	0.6503272345	0.9999537652	1.1467844088
1.2984446767	0.5053935968	0.9999537652	1.1011764849
1.6921527638	0.0934683774	0.9999537652	-1.8626091451
4.5505976667	0.559750219	0.9999537652	0
1.0619127924	0.8439416306	0.9999537652	-1.1273830213
13.3441949841	0.3177049549	0.9999537652	1.6285845991
1.8436995528	0.0169463878	0.9999537652	1.4672774015
1.032470546	0.8174750124	0.9999537652	1.0444101517
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2.2828048949	0.2761585922	0.9999537652	-1.1323477624
-2.4356048515	0.0424513725	0.9999537652	1.6033706197
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-1.0481376142	0.7351715364	0.9999537652	1.0325833828
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0	0	0	6.908559683
1.2092875995	0.7354335025	0.9999537652	1.4431959468
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-1.0045671267	0.9794658065	0.9999537652	1.2874756047
-1.0658187115	0.8343305658	0.9999537652	2.6558491542
-1.1614998763	0.877263814	0.9999537652	-1.3460625967
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gene_expression_table

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1.1953624891	0.8063911122	0.9999537652	1.0028935245
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1.6189298858	0.007904	0.9999537652	1.1241562773
1.3954871691	0.3158928431	0.9999537652	1.2532053475
23.8818846228	0.2168921793	0.9999537652	1.0850143694
-1.0739118031	0.6291266811	0.9999537652	1.0805055683
1.2497322474	0.6610116033	0.9999537652	-1.287783599
0	0	0	2.996475627
-2.587194901	0.5007977106	0.9999537652	2.996475627
0	0	0	2.9985540909
6.3075231393	0.4870531411	0.9999537652	1.0673595208
2.4919468484	0.1073556459	0.9999537652	1.1687969718
1.6448587922	0.5768369835	0.9999537652	-1.2169768823
1.0409914384	0.8170632415	0.9999537652	-1.0784019888
-1.0319370591	0.8437590749	0.9999537652	1.2431826382
2.204523133	0.0941049187	0.9999537652	-1.0589575765
1.4619973739	0.2420335956	0.9999537652	1.5346385069
-1.1089990494	0.7578364363	0.9999537652	1.2528476294
0	0	0	4.9527501949
1.1584236488	0.7979322158	0.9999537652	-1.2550752451
1.1465825723	0.4454769103	0.9999537652	1.0269561388
1.1834575741	0.6054658473	0.9999537652	1.2470262599
-6.9736190158	0.2250321147	0.9999537652	24.5408193011
-1.084625365	0.6566362132	0.9999537652	1.2689613162
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
-1.4446988347	0.3958219378	0.9999537652	-1.0374074348
6.3075231393	0.4870514369	0.9999537652	2.996475627
1.4935445839	0.0576373984	0.9999537652	-1.0849732258
1.41861628	0.0676243914	0.9999537652	1.5218081115
1.1846288744	0.3558529695	0.9999537652	1.0662368354
-1.0270975892	0.9060033342	0.9999537652	1.3078443889
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1.3607552436	0.2140643887	0.9999537652	1.4048944916
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-1.7024984242	0.1940920662	0.9999537652	-9.7565542884
-1.3050033308	0.7824877417	0.9999537652	-1.5084403566
2.7933974408	0.6948713406	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	14.7271569203
-2.4915576559	0.1318344601	0.9999537652	1.6945134434
1.6142330545	0.2135737425	0.9999537652	2.5413342366
-1.7279722953	0.0640447823	0.9999537652	1.1307280711
-1.2318853072	0.4318401572	0.9999537652	1.4703966859
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-1.0168196879	0.9312519871	0.9999537652	1.5591512593
1.1695753773	0.6659147485	0.9999537652	1.3731133983
1.0711768141	0.8051215872	0.9999537652	1.1204654083
1.5144001303	0.3007443421	0.9999537652	1.2645869512
2.7933974408	0.6948713406	0.9999537652	-1.1248877899

gene_expression_table

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7.4739040237	0.1008834747	0.9999537652	1.4385379898
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1.1354804683	0.4678744308	0.9999537652	1.1849753758
1.5942609845	0.6106378183	0.9999537652	-1.414059405
-1.0257731718	0.8506330264	0.9999537652	1.018622023
1.6428845456	0.6267602266	0.9999537652	1.0586381389
1.0694480413	0.5489916955	0.9999537652	1.1008047072
1.6759772247	0.3694953536	0.9999537652	1.6298275237
-1.115698638	0.5350801453	0.9999537652	-1.0726029878
1.2014721249	0.3256934717	0.9999537652	1.2227983415
-1.2145611367	0.4411336854	0.9999537652	-1.0425735623
1.0879572536	0.6210504912	0.9999537652	1.4424972597
2.1954222178	0.2920136428	0.9999537652	1.4794741436
-1.7146188266	0.4972625953	0.9999537652	-2.1976334226
1.0410102632	0.8230558291	0.9999537652	-1.050878895
1.2221108119	0.2390877421	0.9999537652	1.4841516106
-1.0784794388	0.7736953054	0.9999537652	1.1381874685
1.4552917288	0.3968888521	0.9999537652	2.1180141103
0	0	0	0
1.4679613063	0.4730028445	0.9999537652	1.5086458818
0	0	0	8.8639046058
-1.2483357725	0.4737498379	0.9999537652	2.5023645444
1.0141721246	0.9650035863	0.9999537652	1.0777669409
1.1958263013	0.5048745871	0.9999537652	1.1374552277
0	0	0	14.7271569203
-1.030824928	0.9252365898	0.9999537652	1.6709039948
-1.2397868203	0.4499344227	0.9999537652	1.7624090547
-1.2531250398	0.5262415523	0.9999537652	1.1339915098
-1.1672564259	0.5168900938	0.9999537652	1.4812202009
-1.184478038	0.6535250826	0.9999537652	2.0485684246
1.4798117838	0.4940719948	0.9999537652	-2.7981159234
-1.4898977885	0.0286162544	0.9999537652	1.0925445727
-1.0340229824	0.8661478714	0.9999537652	1.2094198834
-1.2663866006	0.5706163133	0.9999537652	1.2987140329
1.7095073648	0.1045661774	0.9999537652	-1.0391483365
-1.1118107884	0.6112349489	0.9999537652	1.2383859598
1.5895477496	0.3448386985	0.9999537652	1.1172165601
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	0
2.2227236654	0.5576122896	0.9999537652	0
2.8768322695	0.0291807398	0.9999537652	-1.2255416612
-2.5976911622	0.1594346616	0.9999537652	1.3516549241
0	0	0	2.996475627
-1.2978421103	0.2894903171	0.9999537652	1.1495916509
4.5505976667	0.559695704	0.9999537652	-5.3583704783
-1.1747706321	0.3898511878	0.9999537652	-1.1894732148
1.0758834867	0.6972059346	0.9999537652	1.340161908
2.5517619419	0.2269258556	0.9999537652	1.0272257233

gene_expression_table

-1.0303494681	0.8884525785	0.9999537652	-1.0368403734
-1.0361955495	0.8319243115	0.9999537652	1.2208108843
0	0	0	2.9985540909
1.1871740561	0.5158939589	0.9999537652	1.4654860365
2.7933974408	0.6948713406	0.9999537652	0
-1.6557166718	0.1237841544	0.9999537652	1.0612621008
-1.2583961502	0.3373695513	0.9999537652	-1.0160670569
-1.0368692941	0.9058106607	0.9999537652	2.5600627597
2.8173722589	0.3577669978	0.9999537652	3.2657224158
1.292117439	0.3895562168	0.9999537652	-1.0873510868
-1.0579833113	0.8032974766	0.9999537652	-1.316764095
1.3463065368	0.6532398128	0.9999537652	1.0299959472
-1.6551555364	0.0376752247	0.9999537652	-1.2919935564
4.5505976667	0.5596409618	0.9999537652	8.8639046058
1.0818835795	0.6677691656	0.9999537652	1.8421840903
-1.7229869003	0.4597035638	0.9999537652	-2.6858283977
1.0827232528	0.8634039461	0.9999537652	1.3893212658
0	0	0	0
1.0093397137	0.9537317867	0.9999537652	-1.0217636661
2.3315363418	0.4580941801	0.9999537652	2.4453271239
1.0868403168	0.7234174556	0.9999537652	-1.2757967611
0	0	0	-1.859280336
0	0	0	2.996475627
1.1155984297	0.472272975	0.9999537652	-1.1354989886
-1.3199211939	0.2972133226	0.9999537652	-1.078347745
3.0589901989	0.3341132581	0.9999537652	-1.3488041533
1.1572993515	0.7071639474	0.9999537652	-1.1346529096
-1.382285147	0.0787101672	0.9999537652	-1.3001581672
-1.1422376038	0.8030979454	0.9999537652	1.1632513483
-1.1267842075	0.4323671983	0.9999537652	1.3593533866
4.5544554512	0.5691553252	0.9999537652	1.0358397119
-1.1604425563	0.6587895713	0.9999537652	1.7214224153
-1.1838720538	0.3588832457	0.9999537652	-1.0654018702
1.2690034822	0.2546383057	0.9999537652	1.0968004623
1.389810412	0.2593260076	0.9999537652	1.0281511403
1.1684024639	0.4104425792	0.9999537652	-1.0478873443
2.7957660672	0.7053848865	0.9999537652	10.818785458
2.7933974408	0.6948713406	0.9999537652	6.9133480437
-15.9195842901	0.1130415848	0.9999537652	-1.6167962027
1.0327599746	0.8531335432	0.9999537652	-1.016293876
-1.194665787	0.1308004239	0.9999537652	-1.0239909659
1.1044813232	0.7122981519	0.9999537652	-1.1346351671
8.064174035	0.4225054603	0.9999537652	2.9992223802
0	0	0	0
-1.1219188376	0.4504998474	0.9999537652	1.1542105478
2.7933974408	0.6948713406	0.9999537652	0
-1.7511065395	0.2293591058	0.9999537652	-1.960470516
-1.1395341593	0.5365984201	0.9999537652	1.3024494827
-2.6355394971	0.2445686686	0.9999537652	1.4629057285

gene_expression_table

9.8205505243	0.3808413552	0.9999537652	-1.1522914685
-1.1430737555	0.6687740403	0.9999537652	1.4717456185
1.1736721022	0.2398222703	0.9999537652	1.115669794
-1.2022466431	0.5416265927	0.9999537652	-1.4135047979
-1.0895171574	0.8001718146	0.9999537652	-1.0909179045
23.8818846228	0.2168824291	0.9999537652	4.1512667769
2.7933974408	0.6948713406	0.9999537652	-2.9690502285
-1.1709096732	0.3311014877	0.9999537652	1.1314176841
1.6399788653	0.3024962241	0.9999537652	-1.2676948642
-1.2510739195	0.5808061699	0.9999537652	-1.0545601298
-1.0088863782	0.9692620277	0.9999537652	1.0019225444
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15.1008094413	0.2915509966	0.9999537652	-2.2054639418
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-1.0214154392	0.9189433686	0.9999537652	1.0852678531
15.0880352532	0.2955162311	0.9999537652	-1.6597328868
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-1.1119527526	0.4396828756	0.9999537652	-1.1525763939
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1.167723567	0.5308868582	0.9999537652	1.1592070029
1.9272397791	0.3803191445	0.9999537652	-1.3645532167
2.3315363418	0.4567770889	0.9999537652	-1.1248877899
1.9059795869	0.473972393	0.9999537652	-1.2595285394
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1.6976262464	0.009697	0.9999537652	1.0353252981
1.1703747636	0.3398281469	0.9999537652	1.3329693463
1.238159275	0.5551768418	0.9999537652	1.2532777712
-1.328381226	0.1224988626	0.9999537652	1.175568096
1.3511752896	0.5440306657	0.9999537652	-1.6015263356
2.7933974408	0.6948713406	0.9999537652	0
-1.0667442002	0.8033340283	0.9999537652	1.2413603202
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1.1513292902	0.4312894332	0.9999537652	1.245949871
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-1.0685380045	0.9372864963	0.9999537652	1.3057138888

gene_expression_table

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3.7919141877	0.228766703	0.9999537652	1.2373582818
-1.1594970587	0.8783085982	0.9999537652	1.6466246098
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23.8826459185	0.2176242361	0.9999537652	-1.2906233813
1.1707538763	0.6226017438	0.9999537652	1.1378819462
-1.011833847	0.9616682405	0.9999537652	-1.1017259164
1.2048227046	0.7536216831	0.9999537652	-1.8697075327
-1.325824447	0.5096375692	0.9999537652	1.2994531956
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1.2321987391	0.4591366571	0.9999537652	1.4796091919
1.2971825433	0.5670604537	0.9999537652	-1.1941032272
11.5766527773	0.3454765732	0.9999537652	-2.0119450672
11.5864583426	0.3448684039	0.9999537652	1.5859005182
1.0747047708	0.8914319431	0.9999537652	-1.4266907893
1.0394940749	0.8290192082	0.9999537652	1.0148320803
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-1.3961564483	0.0767240403	0.9999537652	-1.0914937607
1.0478408518	0.839768706	0.9999537652	-1.1628200171
-1.1728577642	0.5775496791	0.9999537652	-1.4629399511
-1.0361505987	0.9017837679	0.9999537652	-1.1315328619
-3.120470419	0.2651849967	0.9999537652	9.7116702472
1.017951084	0.9418471051	0.9999537652	-1.0020795099
-1.0081523277	0.9537078973	0.9999537652	-1.135210397
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1.5827734148	0.1191105714	0.9999537652	-1.0643980444
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1.5935386712	0.0117085857	0.9999537652	-1.0147370719
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1.0101997367	0.9762612135	0.9999537652	-1.3356925267
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1.0938517453	0.9120019487	0.9999537652	1.4272116761
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1.1786656655	0.7285781898	0.9999537652	-1.0305682403
2.9933797697	0.1706009253	0.9999537652	1.2743776568
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gene_expression_table

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9.8205505243	0.3808412115	0.9999537652	-2.2636076395
1.0291362451	0.9155229121	0.9999537652	-1.0987470635
-1.7421110952	0.3631793379	0.9999537652	-1.5395536011
-1.5347763257	0.5933331253	0.9999537652	0
1.2542903488	0.8053864093	0.9999537652	0
1.1172293767	0.9254265261	0.9999537652	4.9527501949
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-1.8321015168	0.1420815492	0.9999537652	-1.2888749872
11.5766527773	0.3455074627	0.9999537652	8.8700459102
1.3265655997	0.6051157694	0.9999537652	-1.17020599
1.0668745317	0.7743134951	0.9999537652	-1.1966071074
1.7745951127	0.53884114	0.9999537652	1.3243823553
-1.1780799409	0.7732742336	0.9999537652	2.0989270987
-1.2320688955	0.5270123505	0.9999537652	-1.010720354
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-1.0882457414	0.4934019698	0.9999537652	1.2248373959
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1.4672043133	0.005657	0.9999537652	-1.2704860016
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-1.0941118227	0.5832828179	0.9999537652	-1.0703149415
1.0765250201	0.7319412868	0.9999537652	-1.5799490508
-1.1865218343	0.3772879949	0.9999537652	1.0950008656
-1.2994208831	0.4773778757	0.9999537652	-1.0940315701
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20.3709255077	0.2404988473	0.9999537652	-1.272423596
2.7933974408	0.6948713406	0.9999537652	0
-1.0840364949	0.5515923564	0.9999537652	-1.4468182126
1.1620873508	0.3028411669	0.9999537652	1.183621985
1.3481381979	0.3097278649	0.9999537652	1.1128731016
1.1216193189	0.6526605599	0.9999537652	1.5932899643
2.0885615936	0.5182581982	0.9999537652	2.1115841666
1.0143250012	0.9604728342	0.9999537652	-1.1943810977
1.207641835	0.4533883125	0.9999537652	-1.4676183345
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-1.3926047059	0.1506739222	0.9999537652	1.050923712
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1.3276900376	0.1359833624	0.9999537652	-1.0093255066
1.1655980979	0.6097461559	0.9999537652	1.6285133308
8.064174035	0.4227167532	0.9999537652	-5.3608259368

gene_expression_table

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1.3039771927	0.649634093	0.9999537652	-1.4333628253
0	0	0	83.9572092248
1.1206202914	0.6547322374	0.9999537652	1.11154671
1.6018473574	0.6931155549	0.9999537652	-9.7542681481
1.1783339214	0.3175377245	0.9999537652	-1.171675518
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1.0335374958	0.8379910159	0.9999537652	1.0963315098
-1.0089574802	0.9821922527	0.9999537652	-1.0692080637
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0	0	0	4.9527501949
1.3133995489	0.0470352353	0.9999537652	1.0467710429
1.0558685248	0.8227057087	0.9999537652	-1.2838626807
6.3075231393	0.4870463245	0.9999537652	1.569400479
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-1.0751526887	0.7380383325	0.9999537652	-1.0425585607
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2.7957660672	0.7053872099	0.9999537652	0
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0	0	0	9.7116702472
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1.0790848001	0.6737138597	0.9999537652	1.8534401227
1.0359384084	0.773673456	0.9999537652	-1.019125305
1.3826309223	0.7327639894	0.9999537652	-2.7873245155
1.0647461547	0.5992467491	0.9999537652	-1.2752052612
25.6380955075	0.2075470826	0.9999537652	1.9281410065
9.8291821523	0.3810915107	0.9999537652	-1.5098301937
-2.5861438062	0.4446475004	0.9999537652	1.2400291296
1.5089100509	0.4338951187	0.9999537652	1.1864416124
-1.9040183652	0.3839748904	0.9999537652	-1.0017830005
-1.3327742757	0.0387306432	0.9999537652	-1.3467134356
-1.0341074793	0.853337016	0.9999537652	-1.3965668626
1.0003591822	0.997883287	0.9999537652	1.2600550135
3.0794952153	0.1796259702	0.9999537652	-2.0354068982
1.1345301145	0.844341838	0.9999537652	-1.0496824516
1.1255502721	0.5301552925	0.9999537652	1.0852503975
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gene_expression_table

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1.3394887056	0.1102020151	0.9999537652	1.1391669937
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1.6522734637	0.057183709	0.9999537652	1.0858691071
1.084383624	0.5121245755	0.9999537652	1.2692455646
-1.4153881263	0.1975966584	0.9999537652	1.0222409221
-1.0218756188	0.8556216969	0.9999537652	1.0039705875
11.5766527773	0.3455384703	0.9999537652	18.6336779883
1.0390043702	0.7710857835	0.9999537652	-1.0031324896
-1.0628412383	0.7264332049	0.9999537652	-1.048172647
1.0166008243	0.9282972033	0.9999537652	1.0325175065
-1.5855465301	0.3180011641	0.9999537652	1.1942361679
1.0409391126	0.768374111	0.9999537652	1.0453074768
1.579545244	0.2498326164	0.9999537652	1.0564115018
-2.5861438062	0.4501841952	0.9999537652	2.996475627
-1.0563241977	0.7591747823	0.9999537652	-1.155524654
0	0	0	2.9985540909
-1.0573600669	0.6662488922	0.9999537652	-1.1510141561
2.7957660672	0.7053895343	0.9999537652	-2.5807221064
-1.1107000559	0.4644028316	0.9999537652	-1.2892288294
1.3443356233	0.346104978	0.9999537652	1.105497907
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1.3484562641	0.2026024793	0.9999537652	-1.0983995869
1.8364642969	0.2597307992	0.9999537652	-1.452826495
1.2160518684	0.1192874401	0.9999537652	1.0476557467
1.2138738476	0.3051518693	0.9999537652	-1.338622924
-1.7812510556	0.0830064742	0.9999537652	-1.1225022772
2.7933974408	0.6948713406	0.9999537652	-3.7629410475
1.342790253	0.6796736288	0.9999537652	-1.4216390073
1.4284792189	0.0315027693	0.9999537652	-1.3989947955
1.2991846931	0.6306880951	0.9999537652	-1.0879012925
1.9981836368	0.1976536902	0.9999537652	1.0508398566
-3.1179374904	0.257589356	0.9999537652	1.0665314776
1.2618189434	0.3041374506	0.9999537652	1.2072502091
1.0970898789	0.5180068888	0.9999537652	-1.1744185741
1.1551208739	0.3288301413	0.9999537652	1.1924035104
-1.5367922295	0.6209588228	0.9999537652	1.3364870474
1.1946467681	0.680873746	0.9999537652	-1.2001404617
1.7475447163	0.468448536	0.9999537652	-1.5028658085
-1.1197848744	0.6104874384	0.9999537652	-1.1217392901
1.3390279474	0.4319407938	0.9999537652	-1.323104021
-1.0577719468	0.890274283	0.9999537652	-1.1567552283
-1.0272066817	0.8812683978	0.9999537652	-1.3622086292
-1.2636756559	0.3907945023	0.9999537652	-1.1097801682
1.7343571244	0.4255056415	0.9999537652	-1.1299049042
-1.2701996041	0.2045269255	0.9999537652	-1.4568672711
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1.423187655	0.2793290155	0.9999537652	-1.1708696749

gene_expression_table

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-1.1136379061	0.4812646927	0.9999537652	1.0414318029
-1.1027274396	0.6936229977	0.9999537652	-1.0119300714
0	0	0	-2.0425384369
-1.0517744207	0.8718434304	0.9999537652	1.6527729294
-1.0887237807	0.6593208013	0.9999537652	-1.0007070338
-1.0787425903	0.6930038455	0.9999537652	1.0947865009
1.0206564818	0.8822022119	0.9999537652	-1.0244041443
1.0853228233	0.7939559592	0.9999537652	-1.1100074999
-1.1766524626	0.3728594536	0.9999537652	1.3536092118
-1.2805460531	0.7218219266	0.9999537652	1.1535823687
1.1156383778	0.4293971664	0.9999537652	-1.185562208
1.1289659924	0.8076712967	0.9999537652	-1.0676368212
-1.1066845452	0.6769625052	0.9999537652	-1.3386629358
-1.0730234155	0.7481589473	0.9999537652	1.0175085635
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-1.0649744804	0.7913926884	0.9999537652	-1.5631736917
1.1928884055	0.7919968788	0.9999537652	1.2554401713
1.0048203054	0.986131674	0.9999537652	-1.7854834287
-1.277130025	0.0613503549	0.9999537652	-1.1772301363
-1.5023225118	0.48592112	0.9999537652	1.402380423
2.5592477755	0.2796920273	0.9999537652	-1.4581849019
1.011238394	0.9599371787	0.9999537652	-1.1343988689
1.2131456072	0.678409366	0.9999537652	-1.2917506888
-1.1473356941	0.3283676764	0.9999537652	1.163987552
-1.2525738931	0.6840686714	0.9999537652	46.0227597074
13.3441949841	0.3177140183	0.9999537652	-1.9672204454
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1.2516202231	0.8309576897	0.9999537652	-3.6575338339
-1.1354652942	0.3872190737	0.9999537652	1.1339114455
1.4883588481	0.3864822928	0.9999537652	-1.4035149583
-1.0094207738	0.9608138064	0.9999537652	-1.0804410877
1.0330887906	0.7934589992	0.9999537652	1.0072904498
-1.4146200267	0.2632389392	0.9999537652	1.1059138662
1.662563624	0.1222070965	0.9999537652	1.122450923
4.5505976667	0.5595859049	0.9999537652	-4.9102474202
0	0	0	6.914120153
0	0	0	1.2400291296
1.0169427395	0.979217399	0.9999537652	-1.6992246588
-2.0880518127	0.1338014647	0.9999537652	1.9068523787
3.8622037496	0.6197859473	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	0
2.0171694328	0.3557744633	0.9999537652	3.3948931521
13.3324809638	0.3187265067	0.9999537652	0
-2.5861438062	0.4554367588	0.9999537652	-1.859280336
1.1706961862	0.8143413385	0.9999537652	2.6430925766

gene_expression_table

0	0	0	0
1.1346775939	0.4071429061	0.9999537652	1.0740490608
1.1791283763	0.8306029758	0.9999537652	-1.8657462831
-1.0103033074	0.955704898	0.9999537652	1.2490703609
1.1612873439	0.7871092903	0.9999537652	-2.0479626835
-1.0184855781	0.9218813	0.9999537652	-1.3112054494
6.3128691894	0.4820668695	0.9999537652	2.9985540909
1.0963928122	0.8798714834	0.9999537652	1.1516208978
0	0	0	4.3957515041
-6.9764533263	0.2590282316	0.9999537652	-1.3598304575
1.3125770724	0.0462317594	0.9999537652	-1.443872876
0	0	0	2.9985540909
1.2117843243	0.4198468967	0.9999537652	1.0756332046
-1.2378656322	0.6962665807	0.9999537652	-1.3364717659
1.8447991669	0.6001207281	0.9999537652	8.8700459102
1.3747331495	0.1762744558	0.9999537652	1.0901315896
1.2382880807	0.2810921441	0.9999537652	-1.2362746027
-1.0944189448	0.6562795995	0.9999537652	-1.1160305038
1.1245065018	0.4359400628	0.9999537652	-1.0164026202
-1.0021713262	0.9951149022	0.9999537652	-1.1564485764
4.5505976667	0.5595304294	0.9999537652	8.8700459102
2.7933974408	0.6948713406	0.9999537652	1.4541197941
0	0	0	0
1.0057156055	0.9822925788	0.9999537652	1.3023085789
-1.0112984464	0.9875882006	0.9999537652	-2.0479626835
-1.1148499669	0.8711329204	0.9999537652	1.3444140054
-1.4229953559	0.2073983311	0.9999537652	-1.4021527887
2.7933974408	0.6948713406	0.9999537652	1.2601780493
-1.2436857194	0.2052434452	0.9999537652	-1.1391719477
4.5505976667	0.5594744114	0.9999537652	6.9133480437
11.5766527773	0.3455460644	0.9999537652	1.3991459716
1.0318399266	0.8402705031	0.9999537652	1.0579212841
0	0	0	2.996475627
-1.059627023	0.7093473883	0.9999537652	-1.0000316058
1.0500736843	0.858235831	0.9999537652	1.0803778267
13.3324809638	0.3187058729	0.9999537652	-1.9381826991
1.1371033445	0.4406018367	0.9999537652	-1.0679430452
1.6152476451	0.4916310712	0.9999537652	-1.2158215885
-1.5587785782	0.0871970404	0.9999537652	-1.5496897635
-1.2228034435	0.7432463395	0.9999537652	-1.4649359741
0	0	0	6.908559683
1.0052680514	0.9693836211	0.9999537652	-1.1977998706
1.4500104838	0.0374818495	0.9999537652	1.0783949697
1.0119014143	0.9521912004	0.9999537652	1.1497717777
-1.2644619883	0.6569145987	0.9999537652	2.4392766943
8.064174035	0.4229297384	0.9999537652	2.0329095384
1.7396072511	0.0807668753	0.9999537652	-1.0058986185
-1.4078332045	0.025262738	0.9999537652	-1.1012156767
-9.7926713908	0.0108577287	0.9999537652	2.0326275696

gene_expression_table

1.1504373392	0.5800249174	0.9999537652	1.0724442482
-2.3844120755	0.1843655285	0.9999537652	-1.4904107309
2.5734927579	0.4062055419	0.9999537652	8.8639046058
2.7957660672	0.7053918596	0.9999537652	0
1.4368859147	0.4772524049	0.9999537652	1.4141517698
16.9336769091	0.005624	0.9999537652	1.1633733544
3.1354156389	0.0431357447	0.9999537652	-2.8421015892
1.0545963744	0.7689896114	0.9999537652	-1.0642290523
-1.3018941027	0.386927218	0.9999537652	-1.1202970205
8.064174035	0.4232543184	0.9999537652	2.1856030494
1.1168392827	0.9281787834	0.9999537652	-1.964996944
2.7957660672	0.7053941858	0.9999537652	-1.1402057619
-1.0973129919	0.6668285208	0.9999537652	1.1880946258
-1.1018711685	0.7155771109	0.9999537652	1.3313386303
-3.8687254972	0.006959	0.9999537652	1.5218211422
1.425927401	0.0663130207	0.9999537652	1.2070870155
0	0	0	2.996475627
1.0284858559	0.8360404789	0.9999537652	-1.058857779
1.0561456518	0.7056800171	0.9999537652	1.0046529216
-1.1337240081	0.3712719252	0.9999537652	1.0021269717
-1.0800277357	0.6681371988	0.9999537652	-1.1256368387
0	0	0	1.591370391
1.0559250984	0.7956381467	0.9999537652	1.1451393879
-1.0490628311	0.8067449726	0.9999537652	1.3898089786
1.0226610922	0.9126645797	0.9999537652	-1.0314978039
2.087766184	0.5276159126	0.9999537652	1.6092914501
1.1963486671	0.2976563017	0.9999537652	1.7685341113
-1.0687311449	0.6470331988	0.9999537652	-1.133353719
-1.2490618236	0.2010915935	0.9999537652	1.0185248653
-1.668044468	0.613200015	0.9999537652	-1.0927947264
1.1803348591	0.2352286547	0.9999537652	1.442199925
-1.2036744258	0.3598586213	0.9999537652	1.1262490607
0	0	0	1.6443474089
-1.0357934313	0.8007612818	0.9999537652	1.2378541571
1.3007682274	0.6023285611	0.9999537652	1.3580474398
1.1929187497	0.7982408975	0.9999537652	-1.2509190994
1.3410567367	0.6064094859	0.9999537652	1.5897129105
-1.6410854145	0.1823609159	0.9999537652	-1.3437600795
1.0409285013	0.9282642155	0.9999537652	-1.0356815745
29.1965962496	0.1897407744	0.9999537652	-2.2219274269
1.2358806825	0.7447341246	0.9999537652	1.739826308
1.2513710769	0.7428089476	0.9999537652	-1.1301634184
1.3034912742	0.5835830106	0.9999537652	1.079071812
-1.1270718913	0.5500786548	0.9999537652	1.029856939
1.1267577468	0.8244880558	0.9999537652	1.2162076516
-1.497969427	0.2137848981	0.9999537652	-1.3210047164
-1.2891465825	0.5834743189	0.9999537652	1.7565333715
0	0	0	2.9985540909
0	0	0	2.9985540909

gene_expression_table

1.1049592869	0.8324870811	0.9999537652	1.3886271106
1.067189349	0.7121315897	0.9999537652	-1.2688692667
-1.1081466031	0.4300357093	0.9999537652	1.0396543764
0	0	0	0
-1.5194868928	0.3647504582	0.9999537652	-1.0867326727
-1.1804987656	0.3811697061	0.9999537652	-1.0812785503
1.2493564472	0.5957487921	0.9999537652	1.7142160183
1.8455489546	0.5921421893	0.9999537652	-1.7280477862
1.261593916	0.3665502443	0.9999537652	1.164525062
1.7935303623	0.0117736816	0.9999537652	1.2667641637
0	0	0	0
3.7646374853	0.0228507284	0.9999537652	1.3884398102
-1.0239344554	0.8611718804	0.9999537652	1.0477135298
0	0	0	-1.8582093966
0	0	0	-2.9704130837
-1.3561169077	0.1909000903	0.9999537652	1.1625223099
-1.45316555	0.2230144151	0.9999537652	-1.0550896307
1.0405262485	0.864440244	0.9999537652	1.1744377388
-3.1152970666	0.2481088807	0.9999537652	-2.126356481
-1.3596094348	0.2510083855	0.9999537652	-1.2121928516
-1.3211693577	0.2254660564	0.9999537652	-1.0124749309
-1.1106440131	0.403672345	0.9999537652	1.2363968483
1.0152238342	0.930706727	0.9999537652	1.074633242
1.7202185701	0.0267598672	0.9999537652	-1.0236147659
1.6032449232	0.6828998797	0.9999537652	2.158131531
1.2815614752	0.2297176104	0.9999537652	1.0666457282
4.5505976667	0.5594177039	0.9999537652	-4.9096724685
2.7933974408	0.6948713406	0.9999537652	21.234349681
-1.174138964	0.7443801568	0.9999537652	-1.1739024285
0	0	0	4.9527501949
1.6327986643	0.2113466903	0.9999537652	-1.4967026339
-1.1768475501	0.3861180789	0.9999537652	-1.2480001491
1.4573148427	0.0119265638	0.9999537652	1.016715098
1.2829850977	0.2081285342	0.9999537652	1.1000268711
-1.0928106607	0.77875253	0.9999537652	1.2572757741
1.6024984014	0.6863389077	0.9999537652	14.7271569203
2.7933974408	0.6948713406	0.9999537652	0
-1.1172314123	0.4462109268	0.9999537652	-1.0008887706
-1.0422849782	0.8476450124	0.9999537652	1.4078357959
-1.0798572356	0.6440905994	0.9999537652	1.0860257805
-1.0670711847	0.6100400886	0.9999537652	-1.3875733375
2.2993099004	0.3149778893	0.9999537652	1.9620527532
-1.1244190149	0.4391001937	0.9999537652	1.1887751235
-1.4230508496	0.2104815481	0.9999537652	1.1437272898
2.0894806265	0.5159631706	0.9999537652	-1.2906260171
-1.2636213218	0.4424650338	0.9999537652	-1.1569063145
1.5585739867	0.1947005617	0.9999537652	-1.0584967635
1.2941502612	0.090144737	0.9999537652	1.1751665493
4.5505976667	0.5593601265	0.9999537652	1.6439796197

gene_expression_table

6.3075231393	0.4870446204	0.9999537652	-1.1541540815
-1.0422566822	0.7946377073	0.9999537652	1.0659886612
13.3324809638	0.3186935307	0.9999537652	1.1187149872
1.149325511	0.7880674963	0.9999537652	1.2114560929
1.408607799	0.1251693305	0.9999537652	-1.1848550849
-1.1366402845	0.7689165733	0.9999537652	1.2224788667
-1.2070536782	0.1931908174	0.9999537652	-1.0636135027
-2.4674846869	0.2524478057	0.9999537652	3.7626699959
1.0538545495	0.8564552798	0.9999537652	-1.0548883304
-12.9849514806	0.1056623725	0.9999537652	8.8639046058
-6.9762758667	0.2487223524	0.9999537652	1.2739728139
-1.1550077361	0.3809793112	0.9999537652	-1.3102806234
3.1856931818	4.95E-05	0.4532897791	1.0340636297
1.1208685561	0.3809518414	0.9999537652	1.3430540455
1.6598659682	0.4911540959	0.9999537652	-1.5368923423
-2.4938987347	0.1900181964	0.9999537652	-1.3720581997
1.3005599152	0.1114667188	0.9999537652	1.2568193482
-1.21945187	0.3471125125	0.9999537652	-1.4808978312
1.0526092736	0.7268632801	0.9999537652	1.507783976
-1.2750105366	0.190210922	0.9999537652	-1.1727837651
1.0439653084	0.8158204993	0.9999537652	1.2720516154
1.006476955	0.9710736628	0.9999537652	-1.1863717922
-1.3801390768	0.4196278878	0.9999537652	-1.2981728992
1.1355300996	0.4037350801	0.9999537652	1.1581439775
2.7933974408	0.6948713406	0.9999537652	0
-1.261175982	0.2460875047	0.9999537652	2.0867795204
-1.0638676528	0.7391276928	0.9999537652	1.1085906144
1.2441481942	0.4908510853	0.9999537652	-1.0443582197
2.5837563296	0.0838860998	0.9999537652	2.2373565916
1.1182324784	0.75942276	0.9999537652	1.3657420951
1.0810172347	0.6884191059	0.9999537652	1.0196237367
2.136620456	0.0284153628	0.9999537652	2.3075221479
2.7933974408	0.6948713406	0.9999537652	0
-1.1296634247	0.8370702167	0.9999537652	1.0152345338
-1.0145556489	0.9245938269	0.9999537652	1.2370613877
-1.0851115432	0.5857613118	0.9999537652	1.1250065588
1.3297997404	0.1295369639	0.9999537652	1.4866181668
1.0815398013	0.6978904345	0.9999537652	1.236723965
0	0	0	2.9988886918
-1.1258242841	0.5590668938	0.9999537652	1.1936991856
3.0057842914	0.1568636952	0.9999537652	1.6440299384
2.7933974408	0.6948713406	0.9999537652	-4.9102474202
-1.1762225355	0.4981442106	0.9999537652	1.1721607493
2.225750868	0.0701005595	0.9999537652	-1.0614997003
1.2216323643	0.3871081962	0.9999537652	1.2126315391
-1.0185075916	0.9083503427	0.9999537652	1.0625430295
1.0792890732	0.6656008124	0.9999537652	-1.0664860119
-1.0186712293	0.9079175572	0.9999537652	1.2788524217
1.4469190838	0.5669759403	0.9999537652	-1.620066493

gene_expression_table

-1.1107856505	0.8176201251	0.9999537652	-1.5197168271
-1.1827407426	0.5091782206	0.9999537652	-1.2084761666
-1.1076099558	0.6739548388	0.9999537652	1.1596928614
9.8205505243	0.3808410679	0.9999537652	1.9416545697
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
1.5407610335	0.0631060003	0.9999537652	-1.302835756
2.7933974408	0.6948713406	0.9999537652	-5.3608259368
-1.5875118025	0.7206459959	0.9999537652	1.0718708003
1.0306349546	0.8576504014	0.9999537652	1.1029027173
13.3324809638	0.3186812994	0.9999537652	-2.2244958821
-1.0419927409	0.858571396	0.9999537652	1.125590994
-1.0651429566	0.7125848956	0.9999537652	-1.1954732047
-12.9800088947	0.1123772008	0.9999537652	6.9133480437
20.3530564257	0.2435949783	0.9999537652	-1.3598304575
-1.0556179016	0.6795225303	0.9999537652	1.1625581206
1.0781105086	0.7215327017	0.9999537652	-1.3654618481
8.064174035	0.4235795291	0.9999537652	2.996475627
4.5505976667	0.559241397	0.9999537652	8.8639046058
1.0243225506	0.8677372128	0.9999537652	-1.8532649194
-1.1025173972	0.5059909083	0.9999537652	-1.3520766929
0	0	0	2.996475627
-1.5029932233	0.0239355884	0.9999537652	-1.1768184713
-1.0853641679	0.5351329194	0.9999537652	1.0232030332
9.8205505243	0.3808409242	0.9999537652	-1.4828709862
-1.2157703387	0.3179375665	0.9999537652	-1.2630399486
1.0264063574	0.9098886297	0.9999537652	1.0825252848
1.2396217867	0.3467601674	0.9999537652	-1.2436261599
1.8878043233	0.0431065753	0.9999537652	1.33978059
-1.504767939	0.2675219121	0.9999537652	-1.4267790697
1.7115283675	0.0264729974	0.9999537652	1.0794498339
1.8455489546	0.5921541081	0.9999537652	1.0399956057
18.5983228161	0.2580273756	0.9999537652	-1.7010011802
1.0748166427	0.6332530978	0.9999537652	-1.2423043616
4.152684212	0.0471604651	0.9999537652	2.13786569
-1.0795123299	0.8266873523	0.9999537652	-1.1899547796
1.1993246541	0.3273008897	0.9999537652	1.0794365166
1.500470071	0.1706460039	0.9999537652	-1.0186073977
1.0860005437	0.6382465296	0.9999537652	1.0319343329
2.1792111666	0.1674743493	0.9999537652	-1.1714044472
1.0596729611	0.6561800966	0.9999537652	1.2326305898
1.6449006282	0.5760768301	0.9999537652	-1.0742189171
0	0	0	2.996475627
0	0	0	9.7116702472
6.3075231393	0.4870429164	0.9999537652	-4.3143133277
-1.0681823752	0.7736434411	0.9999537652	1.4690948575
-1.1624994961	0.4300467313	0.9999537652	1.1507467722
1.257679243	0.2079784935	0.9999537652	1.0612141566
13.3324809638	0.3186715236	0.9999537652	0
-2.4710767924	0.5444392205	0.9999537652	-2.0465436769

gene_expression_table

1.1933821756	0.817979771	0.9999537652	-1.922437777
-1.1739623639	0.4151120079	0.9999537652	1.0203718815
1.2020281895	0.3980168969	0.9999537652	-1.2217034509
1.5440317143	0.421825462	0.9999537652	-1.2662240385
-1.1295275404	0.3670295432	0.9999537652	-1.1925801034
-1.5875118025	0.7205638289	0.9999537652	-1.6091899336
-1.9064656256	0.3786759995	0.9999537652	1.1948314323
-1.5875118025	0.7204816854	0.9999537652	-1.3220707163
-1.0465704874	0.8798522357	0.9999537652	1.1494551386
1.1382423994	0.6960768051	0.9999537652	1.3029181405
1.0251145015	0.8359169443	0.9999537652	1.040202433
1.0171245116	0.9292754456	0.9999537652	1.1101676875
1.4194152128	0.1391069198	0.9999537652	1.1650664198
-6.9736190158	0.2250321147	0.9999537652	-2.0479626835
-1.0881151135	0.6238823682	0.9999537652	-1.0774266526
1.0680000096	0.8358806912	0.9999537652	-1.0891785648
-1.735240127	0.4420027122	0.9999537652	1.7042814026
-104.7921208189	0.0106389139	0.9999537652	1.6515976785
1.1949787423	0.3151964271	0.9999537652	-1.3243542427
-1.1438485333	0.5208537995	0.9999537652	-1.7926358938
-3.1427187605	0.0438436144	0.9999537652	1.8561987564
1.1233786522	0.4211661078	0.9999537652	1.0298615413
1.0168678129	0.9416708699	0.9999537652	1.140742452
1.0475297386	0.7155264822	0.9999537652	-1.3853640178
-3.4796602944	0.1973678641	0.9999537652	-1.8594983184
1.846361394	0.588821929	0.9999537652	-1.859280336
15.1012892518	0.291421393	0.9999537652	1.7969381251
1.0420664329	0.8359187983	0.9999537652	-1.072040457
4.5505976667	0.5591795733	0.9999537652	-2.7915177751
1.057806085	0.8505958429	0.9999537652	-1.059822702
1.0862892331	0.697961073	0.9999537652	1.3508032289
1.2717623111	0.6271412318	0.9999537652	-1.0506119921
-1.0730744975	0.6857444107	0.9999537652	1.6237898951
0	0	0	6.908559683
0	0	0	8.8639046058
2.7933974408	0.6948713406	0.9999537652	0
5.7340522642	0.0946843495	0.9999537652	1.0674845818
0	0	0	4.9527501949
4.2587446027	0.0814831998	0.9999537652	-1.1200150326
-1.0761109553	0.7246465142	0.9999537652	-1.1839516159
-1.1953172574	0.562616778	0.9999537652	1.2294152116
4.5505976667	0.559115459	0.9999537652	-5.3608259368
2.0743013645	0.2947599427	0.9999537652	1.1151016283
-1.2217923647	0.3869602341	0.9999537652	1.0676160259
1.3314867457	0.5355407435	0.9999537652	1.1139889608
-1.0831636347	0.7915740255	0.9999537652	1.2039835117
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-1.2397204368	0.2746178139	0.9999537652	-1.0019502581

gene_expression_table

-1.000750819	0.9954228661	0.9999537652	1.1549713914
-1.319714631	0.0924761322	0.9999537652	1.1439418427
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1.1975410153	0.1902726246	0.9999537652	1.0359424051
-1.0079213105	0.9894727047	0.9999537652	1.0462989978
-1.0857238964	0.7296807432	0.9999537652	-1.243849799
1.1137677492	0.5392602992	0.9999537652	1.269742836
1.2150139978	0.5360984406	0.9999537652	1.1634117828
-1.25015895	0.2482011699	0.9999537652	1.4038076113
-1.1457847193	0.9109354302	0.9999537652	-1.3185744328
-1.1514399217	0.623922185	0.9999537652	-1.0136007675
-1.70011302	0.3157002504	0.9999537652	-1.2836563634
2.7933974408	0.6948713406	0.9999537652	0
1.1586479412	0.4254666531	0.9999537652	1.3205928426
4.6434843517	0.076244974	0.9999537652	1.2147889987
-1.0674124218	0.6010678542	0.9999537652	-1.0134345348
-1.5045637226	0.1532677429	0.9999537652	1.193086555
2.7933974408	0.6948713406	0.9999537652	1.5327000992
0	0	0	-1.1241083699
-1.4831540626	0.1744514667	0.9999537652	-1.1681097405
0	0	0	20.5862458385
-1.1284624793	0.484233811	0.9999537652	-1.0725899598
-1.1457555741	0.9107270194	0.9999537652	-2.6872709087
1.0911651902	0.7123611077	0.9999537652	1.353574307
2.7933974408	0.6948713406	0.9999537652	0
1.0356243286	0.7938883712	0.9999537652	1.1702757359
1.390432632	0.1671388614	0.9999537652	1.1991832054
-1.0158067418	0.9145872113	0.9999537652	1.3397861551
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1.8448460942	0.5998187605	0.9999537652	2.0331135065
0	0	0	4.9561842702
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1.2927487333	0.7024828618	0.9999537652	1.5215976716
-1.7155763775	0.5431827862	0.9999537652	2.0330936321
1.1907640094	0.6155005824	0.9999537652	1.0770235919
-1.027307705	0.9043358628	0.9999537652	1.0845826962
1.0399448041	0.8406668766	0.9999537652	-1.0317603866
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2.087766184	0.5275423011	0.9999537652	24.5069156959
1.1489836539	0.7747280855	0.9999537652	-1.1207946905
1.0580357993	0.6995053861	0.9999537652	1.2495884702
1.0903297719	0.6523250313	0.9999537652	1.2931686431
8.0710074692	0.4203428021	0.9999537652	1.1669991985
1.0293890928	0.8864893973	0.9999537652	-1.0162846839
1.0194166936	0.9328802858	0.9999537652	1.6459334029
-1.1348424908	0.6087669905	0.9999537652	1.1915928618
1.1011815539	0.4892771649	0.9999537652	1.027994439
1.0295433344	0.8774264894	0.9999537652	-1.0132431938
1.1250986691	0.7314635333	0.9999537652	1.0325259814

gene_expression_table

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1.1583474915	0.6457917244	0.9999537652	1.2583079248
1.1392945479	0.3460640593	0.9999537652	1.6824702242
2.3338728054	0.0155652264	0.9999537652	1.0919614762
1.2139465006	0.5893642353	0.9999537652	-1.5555619072
-1.0127924418	0.9226695326	0.9999537652	-1.1659442745
1.696766011	0.0202283509	0.9999537652	1.1233584612
1.0476006043	0.6779968627	0.9999537652	1.1613988312
1.2378168121	0.2480250112	0.9999537652	-1.0225512667
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1.0880616693	0.7911812044	0.9999537652	-1.0163915095
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1.0353934819	0.9655076958	0.9999537652	-1.4671686592
2.7933974408	0.6948713406	0.9999537652	-5.3608259368
-1.5019578083	0.0820173058	0.9999537652	-1.6832006208
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2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	12.7820459093
1.1599020496	0.2218310044	0.9999537652	1.1032553757
1.0427352324	0.8159871845	0.9999537652	-1.2850605774
1.0018182841	0.9928716262	0.9999537652	-1.3683431323
1.055403819	0.7320478228	0.9999537652	1.0621316994
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-1.8295228655	0.0497775693	0.9999537652	-1.2126524817
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1.0080763077	0.9615534062	0.9999537652	-1.741928766
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1.062468148	0.6761067646	0.9999537652	1.1038681736
-1.1680566799	0.8561027567	0.9999537652	3.2952516161
1.0007513483	0.9959043742	0.9999537652	-1.0920277825
1.7468796346	0.487334085	0.9999537652	1.3291630813
-1.0837115097	0.6534274825	0.9999537652	1.0536154066
-1.2008922436	0.6849233221	0.9999537652	1.4872367092
1.3221510186	0.2326967356	0.9999537652	1.2153938578
2.7957660672	0.7053965129	0.9999537652	-9.7542681481
-1.0586237724	0.7165771191	0.9999537652	1.0967139971
1.4925902484	0.0365036776	0.9999537652	1.3399624403
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0	0	0	2.9985540909

gene_expression_table

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-1.0590676079	0.9086161652	0.9999537652	-1.2107375927
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1.189950996	0.3773186703	0.9999537652	1.0339615657
2.7933974408	0.6948713406	0.9999537652	0
-1.1378228505	0.5203688277	0.9999537652	1.0597303391
1.1113891643	0.6307656027	0.9999537652	-1.102938353
1.0518185424	0.8222868357	0.9999537652	-1.2736473028
1.3109319137	0.2900199645	0.9999537652	1.1531328016
1.1038430652	0.682704485	0.9999537652	1.0888098614
1.2081853085	0.187725366	0.9999537652	1.3830564903
-1.4892185071	0.2498597357	0.9999537652	-1.2149661469
1.2692991505	0.5549790002	0.9999537652	1.061137471
1.053110248	0.8972447585	0.9999537652	-1.1165539028
1.5046268894	0.0987964606	0.9999537652	1.01880287
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1.0048199391	0.9806344077	0.9999537652	1.7843249597
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1.417833254	0.0794363432	0.9999537652	1.1271571482
-1.0398491032	0.8288781938	0.9999537652	1.2387278832
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1.530834222	0.4654560206	0.9999537652	-1.692973547
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-1.029383396	0.8397245778	0.9999537652	1.1386900021
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1.0653610172	0.9019323902	0.9999537652	-1.2999171773
1.2028657005	0.7012058367	0.9999537652	-1.0911032105
1.0067174661	0.9882976783	0.9999537652	-1.4550176959
-1.0050957921	0.9722358152	0.9999537652	-1.0529688048
-1.3904787857	0.3342694355	0.9999537652	-1.1647876254
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-1.0999155919	0.594486437	0.9999537652	1.001536589
1.0156970969	0.9746146524	0.9999537652	1.7985228477
-2.1317846121	0.4669919408	0.9999537652	1.4559140589
-1.3149940926	0.6578399284	0.9999537652	1.0037832326
-1.390716754	0.2347941135	0.9999537652	1.08068827
1.0861017494	0.6119790961	0.9999537652	1.1558320785
-2.1133488124	0.274544293	0.9999537652	-2.1076057036
1.0040153316	0.9881994885	0.9999537652	-1.0769998477
1.1047411091	0.7066467487	0.9999537652	3.0847523153
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9.8205505243	0.3808407804	0.9999537652	-3.3849925178
1.3425821795	0.1295773693	0.9999537652	1.0958572906
1.0596930067	0.8067757227	0.9999537652	1.1148004664

gene_expression_table

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-1.0911287448	0.5824191102	0.9999537652	1.1544815395
-7.0533847096	0.0431407853	0.9999537652	3.0951743987
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-1.4964478785	0.00722	0.9999537652	1.010300601
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1.0430970519	0.8798872452	0.9999537652	-1.1781087501
-1.4551235062	0.4379783324	0.9999537652	-1.8207449568
1.051464295	0.7641018888	0.9999537652	1.0465980141
1.1175790356	0.5747015969	0.9999537652	1.604209852
-1.2405205283	0.319274142	0.9999537652	1.3125232669
1.1115529823	0.415954332	0.9999537652	1.1689826805
-1.1349126235	0.5069756597	0.9999537652	1.0534576444
1.1954292806	0.5443823914	0.9999537652	-1.0984163235
-1.6562690281	0.4326602367	0.9999537652	-1.5397188061
-1.050090966	0.8044453571	0.9999537652	-1.5978340446
3.8758796457	0.1141530164	0.9999537652	-1.2216347795
0	0	0	1.6477648168
1.028906392	0.9392655355	0.9999537652	1.0965589323
8.064174035	0.4240401907	0.9999537652	4.9527501949
1.2616406433	0.7593024676	0.9999537652	5.1169828535
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0	0	0	2.9988886918
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-1.0144075024	0.9594694852	0.9999537652	-1.0916567783
2.408291804	0.1235001808	0.9999537652	-1.2991127731
1.2817804908	0.7138329158	0.9999537652	2.9461161017
1.1131917049	0.806142385	0.9999537652	1.1723221187
1.0559562349	0.69771185	0.9999537652	1.1769551818
9.8288704632	0.3801944294	0.9999537652	-1.3588677454
-1.1453192235	0.9088592382	0.9999537652	-1.4624596198
1.2286551847	0.2488486281	0.9999537652	1.2872391788
2.7933974408	0.6948713406	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	4.9527501949
0	0	0	4.9527501949
1.0166443047	0.9432815558	0.9999537652	-1.261237475
1.0802482415	0.7762235705	0.9999537652	-1.1385484184
-1.0665916386	0.6446559446	0.9999537652	1.013004461
1.1667175549	0.3939179647	0.9999537652	1.1577785237
1.1415403797	0.2415299997	0.9999537652	1.1966245047
-1.6582973663	0.4208402466	0.9999537652	-1.2147197311
6.3075231393	0.4870288231	0.9999537652	0
2.2844548067	0.0992600529	0.9999537652	1.4049865365
37.9815106936	0.1535136995	0.9999537652	1.2756108885
1.1044295112	0.6532091714	0.9999537652	1.0036338694
1.0272517307	0.8575189846	0.9999537652	1.1995238457
1.0976267088	0.6687072457	0.9999537652	-1.1352596594

gene_expression_table

0	0	0	6.908559683
-1.0337139684	0.8149369268	0.9999537652	-1.01294458
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1.2784040264	0.2323748443	0.9999537652	-1.0961327023
1.1851317683	0.2482257728	0.9999537652	-1.0994918423
1.0976785224	0.4234822196	0.9999537652	1.2862529429
1.1156994743	0.6799390204	0.9999537652	-1.0771135169
1.4815638907	0.6277785519	0.9999537652	-2.2046899968
0	0	0	2.9985540909
-1.0482500809	0.7073671371	0.9999537652	-1.0505827324
-1.2195193132	0.4614762358	0.9999537652	-1.1028528742
-1.0629426453	0.6573503697	0.9999537652	-1.4202076863
-1.3275847878	0.0396141043	0.9999537652	-1.2133072679
-1.0725723485	0.7242401022	0.9999537652	-1.1874291173
-1.9882162322	0.2289444813	0.9999537652	1.2161260858
1.0936755407	0.4713842591	0.9999537652	1.0857371991
0	0	0	14.7475552392
1.0446736572	0.8994266017	0.9999537652	1.1738267509
-1.2508553793	0.3129076794	0.9999537652	-1.0223256556
1.2111997716	0.2894834368	0.9999537652	-1.0911071078
-1.2461965714	0.4856020931	0.9999537652	-1.0451356757
-1.1070325457	0.5717995717	0.9999537652	-1.0074196187
1.4460508616	0.0969432314	0.9999537652	-1.4453283606
1.1646788163	0.5425968321	0.9999537652	1.0306227887
1.0701732095	0.6538342866	0.9999537652	1.3238369069
-1.0322955143	0.9316792366	0.9999537652	1.0100047459
3.8622037496	0.6197885868	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	-9.7554110723
-1.2836554294	0.2230596134	0.9999537652	1.4305497067
1.1665586926	0.4982843779	0.9999537652	-1.1426381184
-1.1382805948	0.5853501149	0.9999537652	-1.0175284655
0	0	0	8.8639046058
1.9825471683	0.1667754613	0.9999537652	1.3283001114
1.1122087721	0.4135418043	0.9999537652	1.1330939217
1.0101964742	0.9431976813	0.9999537652	1.0575990195
1.0505262422	0.9641113376	0.9999537652	-2.7915177751
-1.1345273227	0.5279269254	0.9999537652	-1.447371804
1.159734916	0.5593021392	0.9999537652	1.0744819519
-1.5875118025	0.7205368862	0.9999537652	0
2.5734272962	0.4089959982	0.9999537652	0
-1.10880233	0.6195276406	0.9999537652	-1.041718219
1.0956092405	0.7739516499	0.9999537652	1.1724711819
2.0346773175	0.4381573916	0.9999537652	-1.1200974951
1.3295349533	0.2063689986	0.9999537652	-1.2779481972
1.4808270106	0.6343642752	0.9999537652	5.1060810775
1.2071571	0.1589138045	0.9999537652	1.2186107439
1.0770732551	0.8461116863	0.9999537652	1.2573415003
-2.4941151816	0.4492553881	0.9999537652	0
16.8433158146	0.2732251893	0.9999537652	-2.6352978387

gene_expression_table

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-1.4737854567	0.1979946162	0.9999537652	-1.0562020033
1.1110412466	0.6296773011	0.9999537652	1.0175331845
-1.7127326186	0.001336	0.9999537652	-1.5632827783
-1.6775581998	0.0527380129	0.9999537652	-1.5594645273
1.4388088249	0.4949045114	0.9999537652	-1.1159525223
-1.001548889	0.9971040176	0.9999537652	-1.2423539692
1.0821115005	0.8268815401	0.9999537652	1.1845130728
1.423446877	0.1496932697	0.9999537652	-1.2675406798
-1.0284896134	0.8794509328	0.9999537652	1.117063615
-1.0033956753	0.993151457	0.9999537652	1.0692854103
1.0271125191	0.8364209498	0.9999537652	1.4398725432
1.0416399656	0.776998151	0.9999537652	1.3085993496
-1.0102775895	0.964357671	0.9999537652	-1.2215158908
-1.0711593783	0.6143655579	0.9999537652	1.2387940297
-4.098385977	0.1622357015	0.9999537652	1.671192618
-1.0037185932	0.986610555	0.9999537652	-1.0052956664
2.0885615936	0.5182136312	0.9999537652	-1.859280336
0	0	0	0
1.0242836376	0.9050904545	0.9999537652	1.2513219298
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-1.6652199227	0.6285563437	0.9999537652	-4.5793149393
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1.5404849439	0.0761548279	0.9999537652	-1.1499873756
1.2605254131	0.30961344	0.9999537652	1.0448706416
-1.0878753682	0.583920027	0.9999537652	-1.0083171846
-1.0387419901	0.9527659097	0.9999537652	-6.4360166533
1.2802242621	0.5367765405	0.9999537652	1.7469894978
-3.8068935632	0.0377057973	0.9999537652	-1.2221582574
-1.2402015004	0.1520226315	0.9999537652	-1.1352138982
-1.1747327298	0.305095714	0.9999537652	-1.2030856568
1.0862608685	0.6772201657	0.9999537652	-1.1158007863
-1.081974055	0.7310334017	0.9999537652	-1.8715902532
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2.9819103542	0.0646749425	0.9999537652	-1.0418570551
1.0844353317	0.7228765396	0.9999537652	-1.0185562526
1.0756929012	0.7031239524	0.9999537652	-1.2350535412
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-1.3227553882	0.1327159698	0.9999537652	-1.149866961
-4.8154268017	0.1712376447	0.9999537652	6.9133480437
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1.6507269804	0.00334	0.9999537652	-1.4126926335
-7.0403382421	0.1013299562	0.9999537652	1.0283954772
4.5505976667	0.5590482994	0.9999537652	4.9561842702
0	0	0	-5.3583704783
1.4988385415	0.1000765999	0.9999537652	-1.0829831093
3.7885904228	0.2339824168	0.9999537652	-1.337530768
1.6527716635	0.007363	0.9999537652	1.0941081457
-1.2997076887	0.1891313776	0.9999537652	-1.0020501253

gene_expression_table

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-1.129950963	0.482216618	0.9999537652	1.1199725611
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-1.1470209572	0.5672248431	0.9999537652	-1.0595430673
-1.1213329976	0.6273172022	0.9999537652	1.0651971243
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1.1367761803	0.3825506238	0.9999537652	1.2240473471
1.6108138003	0.6452806171	0.9999537652	1.1031068191
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1.5087199967	0.1529632749	0.9999537652	1.2073350352
3.7917931577	0.2239176224	0.9999537652	-1.0663370569
1.0672244872	0.7763311143	0.9999537652	1.1760313725
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1.1824783045	0.2907449004	0.9999537652	1.0666270089
-1.1011091173	0.6736130095	0.9999537652	1.2608174091
1.4926310182	0.091016644	0.9999537652	1.1389471866
-1.147880094	0.5297789204	0.9999537652	1.0098298752
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1.4203878116	0.129538662	0.9999537652	1.3239181054
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29.5568947391	0.1882827705	0.9999537652	1.8520499819
1.1924441742	0.3044727206	0.9999537652	-1.0881018621
1.1248274988	0.8663597643	0.9999537652	-1.237232726
1.0945334741	0.6191673329	0.9999537652	1.0766039014
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1.1258669626	0.5202517206	0.9999537652	1.0143336599
1.1346597241	0.3577530268	0.9999537652	1.3885942677
-1.2975783546	0.2530639977	0.9999537652	-1.0642416929
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1.5836224273	0.424393935	0.9999537652	-1.374499486
-1.1758687306	0.2461257478	0.9999537652	1.0250175212
4.5505976667	0.5588994102	0.9999537652	2.996475627
1.2844709255	0.6663174317	0.9999537652	10.818785458
1.0974495954	0.6514484385	0.9999537652	1.0972806759
20.3530564257	0.2435350409	0.9999537652	-1.1248877899
4.0331711848	0.2059780192	0.9999537652	1.2240749939
-1.081658322	0.5043968781	0.9999537652	1.1709029152

gene_expression_table

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-1.0150276475	0.9409864798	0.9999537652	1.0511396578
4.5505976667	0.5588175533	0.9999537652	2.2924151284
1.1941395572	0.6812722468	0.9999537652	1.3268903746
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-1.0799225403	0.7947625901	0.9999537652	1.5621846161
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-1.4605535668	0.0338895755	0.9999537652	1.1924577423
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-1.3934705832	0.7156183074	0.9999537652	-1.4335125437
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-1.192568278	0.3278033392	0.9999537652	-1.0062679703
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1.2216084395	0.5113503136	0.9999537652	-1.2269109072
-2.9548384089	0.3317265812	0.9999537652	2.5959757848
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1.138991558	0.8093688082	0.9999537652	-1.673676791
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-1.3853586434	0.489141958	0.9999537652	-2.4582849266
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1.5802084855	0.0442204743	0.9999537652	1.1550894851
1.3350543109	0.2141469026	0.9999537652	-1.030322181
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1.0363695661	0.8493418368	0.9999537652	-1.0858768016
2.2953539498	0.349495545	0.9999537652	1.304860287
-1.0806091882	0.5768849485	0.9999537652	-1.0245944544
1.1882223702	0.2820198657	0.9999537652	1.5083170857
9.8205505243	0.3808406367	0.9999537652	1.588935368
1.0238002172	0.8680757698	0.9999537652	1.0417738994
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1.3968621473	0.3075018376	0.9999537652	-1.2659218438
2.0913709129	0.5137428426	0.9999537652	-5.3430506873
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1.11528193	0.7704660283	0.9999537652	1.0897539889
1.1535694891	0.6820466608	0.9999537652	-1.0225040408
2.2621823855	0.0506747972	0.9999537652	1.9509380862
1.1164814744	0.6148923367	0.9999537652	1.1595196511
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1.2903280591	0.4852696395	0.9999537652	1.363905278

gene_expression_table

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-1.0107771541	0.9816254756	0.9999537652	1.0056130278
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-1.1006309869	0.6101853279	0.9999537652	1.0938472463
1.4084382019	0.176157438	0.9999537652	1.1866769623
-1.0469015548	0.7456748563	0.9999537652	-1.0912954657
-1.0083824309	0.9631793812	0.9999537652	1.4614030989
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
-1.4331761012	0.1422959565	0.9999537652	1.3571316467
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1.4302608385	0.1841225353	0.9999537652	1.1222410032
-1.0672495073	0.6588876572	0.9999537652	-1.1490553244
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1.046147328	0.8865917895	0.9999537652	1.461601044
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1.1276684763	0.5282196151	0.9999537652	-1.1144856634
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-1.4162789898	0.1422618517	0.9999537652	1.0635636782
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-1.2616007393	0.4543924045	0.9999537652	1.0807937202
-1.0174112379	0.9304315041	0.9999537652	1.2112235551
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1.6733267759	0.3535639994	0.9999537652	-1.0803902304
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1.0689288608	0.6810744377	0.9999537652	1.7082023842
1.2179721842	0.5210174987	0.9999537652	-1.2014138954
1.1559047076	0.4712539334	0.9999537652	1.0366002214
-1.0074619145	0.953649892	0.9999537652	-1.1205297027
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gene_expression_table

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1.8572566386	0.2746114019	0.9999537652	-1.4143716384
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1.631109999	0.0132764326	0.9999537652	1.1749259263
1.0316496749	0.8579940459	0.9999537652	-1.069568083
-1.0703032235	0.7132170751	0.9999537652	1.4473744106
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1.0921987811	0.6419548404	0.9999537652	1.1699783717
1.1182309188	0.7210196154	0.9999537652	-1.1448969378
-1.1594602839	0.8873224608	0.9999537652	-1.0132535059
1.1299883427	0.3184330125	0.9999537652	1.369590135
-1.1344497867	0.8239755572	0.9999537652	1.0331293307
-1.0947947183	0.6021771455	0.9999537652	1.2340083662
1.163060446	0.3906541211	0.9999537652	1.004047103
-1.0567489886	0.6625260327	0.9999537652	-1.0008897953
1.005861914	0.9739146685	0.9999537652	1.1040274674
1.906705352	0.4815058269	0.9999537652	-1.7637225952
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1.6024984014	0.6863390106	0.9999537652	-1.1609740856
-1.1737692886	0.8014790843	0.9999537652	-1.4059521531
1.1292730045	0.5123858395	0.9999537652	1.2470851628
2.1619312741	0.0309488162	0.9999537652	-1.2460067808
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-1.3679958882	0.7463894949	0.9999537652	-1.0340216643
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2.7933974408	0.6948713406	0.9999537652	0
-1.3188045192	0.6344491193	0.9999537652	-1.3196481246
1.3664122026	0.2727582128	0.9999537652	1.6146658147
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1.186255622	0.7061639179	0.9999537652	-1.003224592
1.1271331023	0.7232675099	0.9999537652	1.3803649771
1.7201856284	0.003523	0.9999537652	1.4778087278
-1.1608369906	0.496090571	0.9999537652	1.1449693265
1.0338075662	0.9025661541	0.9999537652	-1.0273104736
0	0	0	1.6470015103
1.6806509228	0.0110255051	0.9999537652	-1.0494927142
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1.0746905425	0.6998849347	0.9999537652	-1.0677043653
1.0974242985	0.5711580141	0.9999537652	1.2515995961
1.1587010925	0.3399954314	0.9999537652	1.1170163834
-1.4106347582	0.1480537988	0.9999537652	1.351539716
-1.6168919992	0.0322781001	0.9999537652	-1.4913938484

gene_expression_table

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3.8622037496	0.6197912269	0.9999537652	0
2.0108427018	0.1261005778	0.9999537652	1.1403259038
1.6321617407	0.1248286651	0.9999537652	-1.0264356825
1.4407939588	0.0845190214	0.9999537652	-1.0104538447
-1.1268728768	0.4870888507	0.9999537652	-1.1896248241
3.3385228807	0.1727008687	0.9999537652	1.0691812528
-1.1287920639	0.7941713956	0.9999537652	-1.3834448758
-1.369198268	0.7570901059	0.9999537652	3.3816577698
2.0464985585	0.2111223347	0.9999537652	1.1305037387
0	0	0	2.996475627
1.3611047324	0.0410826256	0.9999537652	1.3696797105
1.4481777514	0.1509118261	0.9999537652	1.1684759897
-5.0934378954	0.0661078826	0.9999537652	14.7271569203
-1.1516369802	0.3249971728	0.9999537652	-1.1220629068
-1.1027145204	0.8889519758	0.9999537652	1.5745525552
2.7957660672	0.7054035	0.9999537652	0
1.012313686	0.9336752872	0.9999537652	1.0767276024
1.0013296842	0.9925106306	0.9999537652	-1.1018588721
-2.4640383069	0.1675453282	0.9999537652	-1.2592400625
-1.136454091	0.5865725953	0.9999537652	-1.2143172274
1.7587380237	0.0840270217	0.9999537652	-1.3228951124
4.5545995984	0.5696828575	0.9999537652	1.7042814026
8.064174035	0.4240385553	0.9999537652	-3.3838184763
1.0506030245	0.7550296352	0.9999537652	-1.2045333701
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0	0	0	1.590997316
1.0953061359	0.5044578433	0.9999537652	1.1542655677
-1.2248076078	0.2538596766	0.9999537652	1.0038060405
1.3588576256	0.8005871795	0.9999537652	-2.4446009962
1.1148127239	0.4386243598	0.9999537652	1.1586081984
1.3485758094	0.1556083153	0.9999537652	-1.1871464056
1.2335007002	0.6050764947	0.9999537652	-1.1292070952
1.0775890912	0.6480678701	0.9999537652	-1.2757278192
-2.5861438062	0.4593544485	0.9999537652	-1.0582880019
-1.2865014513	0.04741445	0.9999537652	-1.2722630121
1.8157951106	0.0524022788	0.9999537652	-1.1501541157
1.228785314	0.1366613878	0.9999537652	1.0595736936
-1.0503494032	0.9230439891	0.9999537652	-1.482390217
1.4768617964	0.1122135864	0.9999537652	-1.2294717239
1.9093672774	0.2765822602	0.9999537652	1.1142549194
-1.0484551083	0.8079858041	0.9999537652	-1.4580823973
1.9188725267	0.0706903846	0.9999537652	-1.0311814116
-4.815549291	0.172666663	0.9999537652	1.0674541829
1.0496155734	0.9014219216	0.9999537652	1.4774479455
-1.3483457532	0.4814624825	0.9999537652	-1.0345039466
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-1.0190276476	0.9036923916	0.9999537652	-1.0848463094

gene_expression_table

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1.1663801151	0.5185778634	0.9999537652	1.0627811335
1.1266417136	0.4774726759	0.9999537652	-1.0514001977
-1.268557881	0.7787183379	0.9999537652	-1.2591665984
-2.0663635347	0.1296821437	0.9999537652	-1.001857738
-1.0381611335	0.8267893531	0.9999537652	1.3710339796
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	10.818785458
-6.9736190158	0.2250321147	0.9999537652	-2.9955485583
-2.3849174722	0.1969103805	0.9999537652	-1.1614920563
1.3708516524	0.6090811611	0.9999537652	-1.3128566056
-1.53365015	0.1686510024	0.9999537652	1.4580296131
1.4513002414	0.2443454839	0.9999537652	1.2789673914
-1.1887483584	0.4582806237	0.9999537652	1.0179006565
1.325095935	0.6330361996	0.9999537652	-1.2262611854
0	0	0	-3.4711016225
-1.1821937148	0.2429865594	0.9999537652	-1.3273704064
2.1650257591	0.3956668774	0.9999537652	-1.0791732097
1.2163510872	0.7697170192	0.9999537652	1.2014591601
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-1.1222587459	0.6567889369	0.9999537652	-1.1828036329
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5.2531489146	0.1114715711	0.9999537652	1.6027802519
11.5766527773	0.345553673	0.9999537652	-3.3834218841
1.4377166642	0.1465003402	0.9999537652	-1.8131571573
-1.165837361	0.2284741822	0.9999537652	-1.0715002114
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1.0532083082	0.7311186762	0.9999537652	1.1721017748
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1.1445165456	0.4866412192	0.9999537652	-1.0121601074
1.1738583558	0.3499054667	0.9999537652	1.1536593207
1.305101859	0.1939792897	0.9999537652	-1.0715946945
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1.317944786	0.4035688708	0.9999537652	1.0327485006
1.2838219277	0.5319545894	0.9999537652	1.2131821607
-1.0291193109	0.8909520609	0.9999537652	-1.0318940327
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1.1771929735	0.4434471529	0.9999537652	1.0448125546
-1.0116973132	0.9426813799	0.9999537652	1.1130988947
4.5505976667	0.5587384693	0.9999537652	-1.1433829476
1.1186366265	0.6847109418	0.9999537652	1.0512404652
2.510672768	0.031400241	0.9999537652	-1.1121086812
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-4.3250226376	0.1726258036	0.9999537652	-2.7918445703
-1.2901173657	0.1627769905	0.9999537652	-1.0101971699
0	0	0	0

gene_expression_table

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1.3044750886	0.1610519568	0.9999537652	1.1309671479
1.1455330763	0.5092854207	0.9999537652	1.5155070745
-1.0428047338	0.835711037	0.9999537652	-1.129949082
-1.0512817794	0.877079614	0.9999537652	-1.1122942121
1.5773324614	0.1255865088	0.9999537652	1.0371418293
46.8021225725	0.1292814098	0.9999537652	2.0042248033
104.2166042209	0.06765071	0.9999537652	5.8017888001
-1.3728449527	0.0825086113	0.9999537652	1.0794942816
1.3245600169	0.0692156514	0.9999537652	1.0275992757
23.8818846228	0.2168908833	0.9999537652	-2.5819763794
1.0376345914	0.842092064	0.9999537652	1.3473560483
-1.0483745719	0.7211899931	0.9999537652	1.0434600974
-1.187908183	0.40707579	0.9999537652	1.0985327076
3.5488407019	0.2472528439	0.9999537652	-1.2845492958
9.8288704632	0.3801844595	0.9999537652	-1.859280336
1.4997045445	0.2117943172	0.9999537652	-1.1105671173
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-1.0789109711	0.6083221091	0.9999537652	-1.2043065154
1.2839510277	0.2225916562	0.9999537652	-1.1992656708
3.446135261	0.0885500567	0.9999537652	-1.013911182
-1.3397986347	0.4386969039	0.9999537652	1.3664789483
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4.5505976667	0.5586621239	0.9999537652	-1.1248877899
2.575670643	0.3941663361	0.9999537652	0
-1.0186884041	0.947520079	0.9999537652	-1.2021560064
-1.5569501361	0.2680036825	0.9999537652	-1.3884544962
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2.7933974408	0.6948713406	0.9999537652	3.0482656807
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1.1817900243	0.3795437847	0.9999537652	1.0914552284
1.382415244	0.0862349607	0.9999537652	1.0031106257
1.005424923	0.9824966244	0.9999537652	-1.1373502947
8.064174035	0.4240369201	0.9999537652	1.6470015103
1.1217899267	0.5723623488	0.9999537652	1.1629107527
-1.1457555741	0.9107273157	0.9999537652	-1.7494930838
1.2920645114	0.2086048738	0.9999537652	-1.0011836516
4.5505976667	0.5585883533	0.9999537652	0
4.5505976667	0.5585170036	0.9999537652	26.0746223853
6.3075231393	0.4870147668	0.9999537652	17.8369746551
-1.0144267182	0.9637982862	0.9999537652	1.1168832909
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0	0	0	2.9985540909

gene_expression_table

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1.517710517	0.2956100222	0.9999537652	1.85994496
36.2262387855	0.1571274218	0.9999537652	1.5880461882
3.8622037496	0.6197938668	0.9999537652	0
4.5505976667	0.5584479292	0.9999537652	0
2.7957660672	0.7054081626	0.9999537652	-1.3243569371
2.7933974408	0.6948713406	0.9999537652	-2.8128331331
2.2076065015	0.2812119945	0.9999537652	3.1614536713
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-1.0639540243	0.8836502861	0.9999537652	1.1031211226
1.0276995588	0.8811142018	0.9999537652	-1.0876854922
1.0106616082	0.9451560717	0.9999537652	1.1292748305
1.2160807835	0.410684846	0.9999537652	1.728947716
1.4022354684	0.1189204562	0.9999537652	1.1521163836
1.5918525205	0.1754832731	0.9999537652	-1.0982471667
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1.7911605773	0.2065499534	0.9999537652	1.9237392568
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-1.2006203594	0.33783475	0.9999537652	1.2166111376
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1.0360591358	0.860578447	0.9999537652	-1.0218909763
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2.7933974408	0.6948713406	0.9999537652	-1.5065200998
6.3075231393	0.4870049067	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.996475627
3.230418959	0.0004293	0.9999537652	-1.0038932274
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-1.1015288048	0.757551012	0.9999537652	1.4848438361
2.5581903582	0.2693857439	0.9999537652	-14.1559579336
1.3925460243	0.4701448106	0.9999537652	-1.2804657245
1.222500971	0.4176775896	0.9999537652	1.5757387169
1.0764438128	0.5763053497	0.9999537652	1.1931625413
-1.1748712185	0.2851947396	0.9999537652	1.0296425567
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-1.1166055497	0.5923615733	0.9999537652	-1.0467335517
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1.3072022755	0.3815946085	0.9999537652	-1.2469968636
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1.1187569927	0.6751923738	0.9999537652	1.0759626672

gene_expression_table

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8.064174035	0.4240352852	0.9999537652	-3.4501420467
2.7933974408	0.6948713406	0.9999537652	1.590997316
-1.0602949127	0.6997599954	0.9999537652	-1.2214960137
-1.0488959901	0.7048196682	0.9999537652	1.2312389026
-1.1423603746	0.3435165941	0.9999537652	1.1958946217
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1.0202256494	0.9166452923	0.9999537652	1.1316997244
1.1458270613	0.5176624813	0.9999537652	1.108333056
0	0	0	2.294258748
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1.1707605808	0.5379476895	0.9999537652	-1.4970747678
11.5766527773	0.3455689347	0.9999537652	-9.7542681481
1.2064361531	0.5350547081	0.9999537652	1.297983153
-1.435120256	0.0339141526	0.9999537652	-1.0139773506
1.0395434765	0.8432792198	0.9999537652	1.1210523177
-1.3434978242	0.4073829945	0.9999537652	1.3154989745
-1.051491947	0.8420411988	0.9999537652	-1.0440636349
1.0327559126	0.8697011307	0.9999537652	-1.0908243304
1.2719903785	0.1700499159	0.9999537652	-1.3628983638
1.0407302421	0.8036513922	0.9999537652	1.2691815865
1.4870011197	0.6638762022	0.9999537652	-1.3526296379
0	0	0	-2.1991066392
-1.4062733228	0.0544880716	0.9999537652	-1.2358178488
1.0604986262	0.7362959231	0.9999537652	-1.1009587873
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-1.1962616753	0.3415749422	0.9999537652	-1.0229274783
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-1.1671519505	0.377727764	0.9999537652	-1.0012186838
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1.2931887438	0.0675507649	0.9999537652	-1.1337382177
16.8433158146	0.2733719414	0.9999537652	-1.3501019658
-1.4096239266	0.1047920512	0.9999537652	1.3368117001
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1.087187886	0.5765108995	0.9999537652	1.0674459458
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1.0110399122	0.9627302231	0.9999537652	1.1629265409
1.2179883202	0.2890981602	0.9999537652	1.0432374177
-1.3544063599	0.1796142567	0.9999537652	-1.1258047693
1.0700335683	0.7334322846	0.9999537652	-1.0970126568
6.3075231393	0.486995049	0.9999537652	0

gene_expression_table

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1.0197735878	0.8929436831	0.9999537652	1.418619578
1.0625917309	0.6358574856	0.9999537652	-1.0111699819
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2.3664678756	0.1245201961	0.9999537652	1.7623374623
1.0113135824	0.9638160788	0.9999537652	1.2321844265
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-1.1623826462	0.3336722447	0.9999537652	-1.0038493808
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1.413444022	0.0509080291	0.9999537652	-1.0542288639
1.6866556362	0.6359287998	0.9999537652	28.6068612613
-1.091376919	0.6388241446	0.9999537652	1.157579215
1.2902169021	0.3383846177	0.9999537652	1.096361896
1.0324564755	0.8574344515	0.9999537652	1.0018070987
1.0206510335	0.9073675912	0.9999537652	-1.171422604
1.478101785	0.433673781	0.9999537652	1.1699817492
1.088666893	0.6414089663	0.9999537652	1.359646203
3.5613076969	0.0440183865	0.9999537652	1.545158595
-1.1214471766	0.4754548331	0.9999537652	1.2549748625
6.3075231393	0.4869851934	0.9999537652	16.0748987101
1.0285995067	0.8470265337	0.9999537652	1.114013196
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-1.0764497303	0.6376082386	0.9999537652	1.2465702795
1.0616140053	0.8518166904	0.9999537652	1.0494761943
1.2130956915	0.49783033	0.9999537652	1.3675882005
1.3872634786	0.4583705084	0.9999537652	-1.0258745523
-1.0257181198	0.8443252306	0.9999537652	1.0853660913
-1.0382490483	0.8590962711	0.9999537652	1.3286203085
4.5505976667	0.5583809928	0.9999537652	-3.7211335265
0	0	0	9.7116702472
16.872391439	0.2715769208	0.9999537652	-2.5339008304
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0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.2423868056	0.6262708475	0.9999537652	2.0080890125
1.1250627958	0.8657063046	0.9999537652	1.2291839564
6.3128691894	0.4819949873	0.9999537652	3.9094828033
-1.2414140907	0.449320062	0.9999537652	-1.0900809808
-1.8357405856	0.3301157908	0.9999537652	-1.3999527387
1.4611506879	0.218634201	0.9999537652	1.1002582051
1.2965216442	0.5197173903	0.9999537652	1.5567359402
1.3029210265	0.1346135097	0.9999537652	1.0692392968
1.6342333843	0.2478608519	0.9999537652	1.2255247796
0	0	0	-1.2959348192
-1.4392737333	0.3642851052	0.9999537652	2.4815633475
0	0	0	2.996475627
1.0202468338	0.8999714141	0.9999537652	-1.0022339759

gene_expression_table

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1.0805576243	0.5644574288	0.9999537652	1.0659289352
9.8205505243	0.3808404929	0.9999537652	0
2.0660567426	0.2013704182	0.9999537652	1.5103206593
-1.0887621021	0.6399977841	0.9999537652	1.1428374642
-1.139075093	0.692583422	0.9999537652	1.0506932347
-1.0218515284	0.9043628656	0.9999537652	1.6373966832
0	0	0	2.996475627
3.8622037496	0.6197965079	0.9999537652	-3.3849925178
2.4010450491	0.0168777931	0.9999537652	1.3457310933
-1.0063159556	0.9837631252	0.9999537652	1.3508439475
13.3324809638	0.3187168751	0.9999537652	-1.3092040421
-1.2357865481	0.1543328556	0.9999537652	-1.027808602
-1.0254318685	0.8947088978	0.9999537652	-1.049373127
1.2922974312	0.623436882	0.9999537652	-1.5327036042
-1.096157347	0.6561527158	0.9999537652	-1.132448702
1.5689162209	0.2706849998	0.9999537652	1.1019812351
4.5505976667	0.5583160638	0.9999537652	-3.3741193575
-1.4839996981	0.4042717683	0.9999537652	-2.0484795942
2.3335098933	0.4437782776	0.9999537652	-1.7407464071
1.0619456367	0.7550902428	0.9999537652	1.1704445585
1.1752277064	0.2063495906	0.9999537652	1.2961039209
-2.1738281006	0.1445763008	0.9999537652	-1.2070737822
-1.1658031207	0.7514658487	0.9999537652	-1.3864382837
1.3868844561	0.0792359634	0.9999537652	1.4978801849
-1.0154374517	0.9170280963	0.9999537652	1.304002562
-1.1523625851	0.5059877632	0.9999537652	1.2252125759
-1.2444688318	0.2489349744	0.9999537652	-1.1877098512
2.0215345212	0.3443233919	0.9999537652	1.0748763975
3.6433090331	0.0212075534	0.9999537652	1.2329802688
-1.0307866248	0.9620463197	0.9999537652	1.0281463992
1.0295170701	0.8495341074	0.9999537652	1.0733745753
-1.0818792194	0.6664256033	0.9999537652	1.0942609207
1.1363165238	0.4993429781	0.9999537652	-1.1847139903
-1.272585976	0.4460948253	0.9999537652	1.1589797287
-1.051463187	0.814624741	0.9999537652	1.1024264461
-1.2274198939	0.1098533592	0.9999537652	-1.0867782361
-1.0304210628	0.8546703948	0.9999537652	1.2230812928
-1.000156736	0.9990642158	0.9999537652	1.4921326223
1.7634848916	0.0780312672	0.9999537652	-1.0275493049
-1.2517429193	0.114674507	0.9999537652	-1.3831684571
1.5320677021	0.2882698089	0.9999537652	1.7378131584
1.0001757323	0.9990483488	0.9999537652	1.0947110595
-1.0229584176	0.8463992578	0.9999537652	1.0239969943
13.3324809638	0.3187276287	0.9999537652	-1.3099965392
-1.030375307	0.8672486983	0.9999537652	1.059753782
-1.097664026	0.5502596136	0.9999537652	1.1736949744
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1.1973641932	0.1853613335	0.9999537652	1.2505805198

gene_expression_table

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1.6853566275	0.2021282027	0.9999537652	1.7321858005
1.5403995586	0.4942526665	0.9999537652	-1.2656159229
1.0311205031	0.8235790876	0.9999537652	1.0218920299
3.3088597104	0.2907670152	0.9999537652	1.6471944927
-1.005190037	0.9786400993	0.9999537652	1.1801881468
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1.223819637	0.2291349325	0.9999537652	1.0911408377
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1.1056911288	0.6254564422	0.9999537652	1.1825045398
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1.0361536905	0.8096831687	0.9999537652	1.0893051629
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1.1258807493	0.8274596914	0.9999537652	1.1904333214
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1.045800646	0.7980389604	0.9999537652	1.189909816

gene_expression_table

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1.2640282506	0.3076123179	0.9999537652	1.0441811362
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1.0260370961	0.9581725913	0.9999537652	-1.3133336704
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gene_expression_table

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1.7002236452	0.281275669	0.9999537652	1.0309277703
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1.0596933394	0.8779706269	0.9999537652	-1.2767601004
1.4820785793	0.6115468577	0.9999537652	-2.0137065482
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1.3026120258	0.7419394862	0.9999537652	1.4921254839
1.0207704433	0.8971301718	0.9999537652	-1.1116659376
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1.3903023218	0.1934120009	0.9999537652	-1.3897039857
4.5505976667	0.5581917296	0.9999537652	0
6.3128691894	0.4819234968	0.9999537652	-1.4728350147
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1.1282078904	0.3648449436	0.9999537652	1.1209291596
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gene_expression_table

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27.3923972417	0.1964503009	0.9999537652	-1.9178288323
1.035192206	0.8551984834	0.9999537652	1.1385985186
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1.1254904498	0.868834698	0.9999537652	1.3740474488
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1.2958082392	0.3716357545	0.9999537652	-1.1288486095
1.5130808007	0.6581389655	0.9999537652	2.9978319446
1.2240090143	0.5382183742	0.9999537652	-1.7191465338
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2.7933974408	0.6948713406	0.9999537652	-5.4409910544
-1.4094813119	0.4085009965	0.9999537652	-2.4330476915
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1.0817237071	0.8551786859	0.9999537652	1.2718037447
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1.1032793086	0.5968085246	0.9999537652	-1.2772393174
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1.4860705144	0.1576785593	0.9999537652	-1.4926140709
2.3097704908	0.020711205	0.9999537652	1.0865197787
3.3114514989	0.2937601664	0.9999537652	1.8474131398
1.1204373452	0.6567437196	0.9999537652	1.0801961346
-1.0491370297	0.707772094	0.9999537652	-1.2229886814
-1.6733656555	0.1187970193	0.9999537652	-1.010526951
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1.1402567378	0.4912097448	0.9999537652	-1.2236670793
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1.1750989557	0.7277280591	0.9999537652	-2.0649908954
9.8205505243	0.3808402052	0.9999537652	-1.144309199
-1.2893763188	0.3840196263	0.9999537652	1.1326198253
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2.7933974408	0.6948713406	0.9999537652	0
-1.0260851178	0.9393087011	0.9999537652	-1.1445768905
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-1.1411720019	0.3984779253	0.9999537652	-1.1580868739
1.003274034	0.9868547831	0.9999537652	1.300981969
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1.3137214689	0.2660352841	0.9999537652	1.0407557179
1.2321037674	0.3502609252	0.9999537652	1.4126742545
1.0673525149	0.7268465479	0.9999537652	-1.0461598799
1.0632895484	0.7168778537	0.9999537652	1.1548697487

gene_expression_table

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0	0	0	-3.1516923425
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0	0	0	-4.3195903374
20.4048055231	0.246079472	0.9999537652	-2.579624099
-1.0348720175	0.8426920372	0.9999537652	1.1864169507
-1.5014101828	0.0931797002	0.9999537652	1.2147010314
-1.2863901983	0.5895187731	0.9999537652	1.8978804472
0	0	0	2.996475627
2.4216796225	0.4425859126	0.9999537652	-5.3583704783
1.0933476234	0.5766174706	0.9999537652	1.1038848703
0	0	0	-5.0960079851
-1.0265069324	0.9366443631	0.9999537652	-1.1264295403
2.5766519373	0.3876342521	0.9999537652	-1.1613446338
1.0482613331	0.9171305993	0.9999537652	-1.7224004393
1.1262386404	0.5701295562	0.9999537652	1.1930563997
-1.1295449742	0.5760775667	0.9999537652	1.2501801898
1.2647301303	0.4768291636	0.9999537652	-1.1654303074
-1.1745200145	0.5143347864	0.9999537652	1.1660617042
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-1.0237573864	0.8409906768	0.9999537652	1.079085824
1.1869395158	0.5858755113	0.9999537652	1.0178076744
-1.0011733583	0.9960520473	0.9999537652	-1.1211876898
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0	0	0	2.996475627
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6.3075231393	0.4869556403	0.9999537652	1.2400291296
-1.2013925844	0.4362888778	0.9999537652	1.098002369
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1.0967049244	0.5128419913	0.9999537652	-1.1643787204
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2.3315363418	0.4566542164	0.9999537652	-3.382249888
1.2802408629	0.2017579673	0.9999537652	-1.1216823014
-1.0187949736	0.9569466613	0.9999537652	-1.3378731131
0	0	0	2.996475627
1.1885220664	0.3587791553	0.9999537652	-1.0155038661
2.7933974408	0.6948713406	0.9999537652	0
-1.0651579331	0.679000415	0.9999537652	1.0353632944
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
1.3826309223	0.7324947448	0.9999537652	1.0669823991
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
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2.3306483975	0.4666935134	0.9999537652	1.2763409465

gene_expression_table

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-1.3846532604	0.0390506095	0.9999537652	-1.0067949779
-1.1518064782	0.5433812731	0.9999537652	1.2336874045
-6.9764533263	0.2590613606	0.9999537652	1.9409927546
2.7933974408	0.6948713406	0.9999537652	-2.5222250873
1.0702762257	0.8655447696	0.9999537652	-1.3324877564
-1.1009757193	0.6143019146	0.9999537652	-1.1981424176
-1.16556239	0.2548259605	0.9999537652	-1.7839917098
-1.0055348611	0.9858555724	0.9999537652	-1.0540126521
-1.0503749378	0.8865261346	0.9999537652	1.7006901418
1.4626324078	0.1631155282	0.9999537652	-1.4027096298
-1.4730496058	0.6732334461	0.9999537652	-3.0614198881
0	0	0	14.7373490367
-1.0692287614	0.7633988418	0.9999537652	-1.2546382484
-1.0117429258	0.9349354386	0.9999537652	-1.1014096766
1.4445739763	0.381073472	0.9999537652	-1.1648456324
-1.076896491	0.8708644127	0.9999537652	-1.0890762164
1.2481337696	0.6688274541	0.9999537652	-1.8727008913
-1.0041911222	0.989330489	0.9999537652	-1.242686304
1.723299787	0.326882136	0.9999537652	-1.2662973836
1.1635326013	0.7271969569	0.9999537652	1.114585203
0	0	0	14.7475552392
2.7933974408	0.6948713406	0.9999537652	-5.3819632848
1.3477725595	0.4399269373	0.9999537652	-1.1879753381
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1.1496195342	0.6033705128	0.9999537652	-1.4150328943
0	0	0	1.4387127179
-1.0435404671	0.8176269062	0.9999537652	-1.1798832126
1.8471118167	0.5852930979	0.9999537652	-1.8588429871
-1.3490631423	0.0978929328	0.9999537652	-1.2049946809
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-1.3350370223	0.1253098265	0.9999537652	-1.2048231468
1.2874792726	0.3086108591	0.9999537652	1.0529403468
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1.101516099	0.6396713219	0.9999537652	-1.3332393553
-1.1804683847	0.5356429508	0.9999537652	-1.2983501761
1.0300692006	0.9020707217	0.9999537652	-1.3337744313
27.5316084765	0.2201932174	0.9999537652	-1.4680135518
0	0	0	2.996475627
-6.9764533263	0.2590696501	0.9999537652	4.9527501949
4.5544554512	0.5691533303	0.9999537652	-3.8916086545
1.3309197109	0.1757473688	0.9999537652	-1.188297243
1.2633807446	0.1966684808	0.9999537652	1.5401176291
2.7957660672	0.705412829	0.9999537652	-1.859280336
-1.1548762608	0.5225638973	0.9999537652	1.2488812764
1.3243506448	0.5320346529	0.9999537652	-1.2247309377

gene_expression_table

1.533161959	0.0491946337	0.9999537652	1.1977619604
-1.0717904323	0.7889708395	0.9999537652	-1.064035082
-1.237796356	0.1126891461	0.9999537652	-1.015724449
-1.188360529	0.6232964391	0.9999537652	1.3461492645
-1.5875118025	0.7206479341	0.9999537652	-1.1441751338
0	0	0	6.9133480437
-2.0024109583	0.4495787895	0.9999537652	-1.4622935059
-1.1947261676	0.3466229975	0.9999537652	-1.0233594013
-1.1021391198	0.8877864867	0.9999537652	1.2747132884
1.1449402332	0.4824849835	0.9999537652	1.1188752579
-1.0051533246	0.9725527122	0.9999537652	-1.3630846845
4.5505976667	0.5581320915	0.9999537652	-6.0051456121
1.1295538257	0.4850482306	0.9999537652	-1.0983976852
1.1246169603	0.8844676345	0.9999537652	-1.391616432
1.1242038379	0.5457442046	0.9999537652	-1.0803109059
1.5578828389	0.0220292604	0.9999537652	-1.1843267308
-1.5881570201	0.7143327638	0.9999537652	0
-1.1717840466	0.4515170202	0.9999537652	1.3173342465
-1.0256145833	0.8499474304	0.9999537652	-1.3345891775
15.0880352532	0.2953486088	0.9999537652	-1.7798895855
-1.1157917445	0.7450228049	0.9999537652	-1.5048451516
1.0140479765	0.9434313142	0.9999537652	-1.437422123
0	0	0	6.908559683
1.3706606753	0.0598083558	0.9999537652	1.0923047088
-1.9066285216	0.4112774978	0.9999537652	-1.2777730283
-6.7517740937	0.0419513922	0.9999537652	2.5722386983
1.1319091165	0.7831001171	0.9999537652	-1.3777696496
4.5505976667	0.5580739888	0.9999537652	1.2400291296
1.0909783654	0.6274446261	0.9999537652	1.0670688866
1.4975734907	0.3458065418	0.9999537652	-1.5285117081
1.6829190363	0.1390886019	0.9999537652	-1.1919250463
-1.0869804889	0.6819309838	0.9999537652	1.1525254813
1.33173066	0.028576996	0.9999537652	-1.2691742637
-1.1747670113	0.2540224687	0.9999537652	-1.0663451385
-1.4275159746	0.2759763719	0.9999537652	1.18892017
1.1696360235	0.3088325449	0.9999537652	-1.2025900524
-1.1722508884	0.8428824786	0.9999537652	1.2713908921
1.0555799377	0.7241720264	0.9999537652	-1.0901859096
2.0147014689	0.3721795711	0.9999537652	-1.1556233835
2.7933974408	0.6948713406	0.9999537652	4.9527501949
-1.1380651639	0.6066000933	0.9999537652	-1.0496882456
1.062412966	0.7447679072	0.9999537652	1.0380839978
-1.0627347782	0.7600386745	0.9999537652	-1.1898303489
1.0519687938	0.8082980864	0.9999537652	-1.1414733898
9.8205505243	0.3808400613	0.9999537652	0
-1.0278953273	0.9000976283	0.9999537652	-1.0018371968
-1.4630808444	0.1782572544	0.9999537652	1.3181249798
1.2516520703	0.8156421472	0.9999537652	1.0400262591
1.2995690157	0.171542552	0.9999537652	1.1865783268

gene_expression_table

-1.0882400522	0.7076339672	0.9999537652	1.075252377
0	0	0	2.996475627
20.4054563206	0.2419036965	0.9999537652	2.1558362933
1.0801248131	0.491649292	0.9999537652	1.2768987782
-1.1738833733	0.5226578916	0.9999537652	1.0336256636
1.0878396345	0.5273168526	0.9999537652	1.0513353475
1.8432954066	0.2236075826	0.9999537652	-1.3442663154
2.7933974408	0.6948713406	0.9999537652	0
-1.2143691758	0.3544002851	0.9999537652	-1.1655745862
1.1662222053	0.4562854682	0.9999537652	1.2436089475
-1.401904019	0.2472442398	0.9999537652	1.0794803462
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-1.0069789698	0.9695716553	0.9999537652	-1.0317026069
1.255213919	0.4875133401	0.9999537652	-1.3362378512
-1.1017553008	0.8828498074	0.9999537652	-1.0717919967
2.7933974408	0.6948713406	0.9999537652	8.8710369702
1.1007577316	0.7192817647	0.9999537652	-1.0395103963
-1.074889252	0.6327375011	0.9999537652	-1.0638087584
1.0874974211	0.7221844391	0.9999537652	-1.1641973137
1.1835739482	0.4941725174	0.9999537652	1.1899200692
-1.3053434151	0.1550000765	0.9999537652	-1.1238045626
-1.0442477743	0.8885048732	0.9999537652	1.0859108159
-1.27257017	0.3013612787	0.9999537652	1.0769881468
1.1686557743	0.7253217997	0.9999537652	-1.081402095
1.3567051147	0.2934434383	0.9999537652	1.3529685916
1.2353666622	0.5651499799	0.9999537652	-1.0273076086
-1.24184085	0.1357825302	0.9999537652	1.0678206553
0	0	0	2.9985540909
1.6093235429	0.0132432862	0.9999537652	1.4655468751
-1.0787980506	0.6666700524	0.9999537652	-1.1044661758
-1.1798239495	0.7428940477	0.9999537652	1.0089175415
-1.3127867632	0.6062290758	0.9999537652	1.1626468016
-1.1914071896	0.3957176394	0.9999537652	-1.1015222444
1.2599271245	0.6972195229	0.9999537652	1.0786082953
1.3983587352	0.0576265418	0.9999537652	1.2213058754
1.1543733253	0.4741066448	0.9999537652	1.2213990352
8.064174035	0.4240320162	0.9999537652	1.1562511914
-1.3650719983	0.2778900758	0.9999537652	1.4806806294
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22.1075168104	0.2294608814	0.9999537652	-2.1739698775
-1.1445309719	0.7097940718	0.9999537652	-1.2262159896
-2.1075975357	0.0321670009	0.9999537652	-1.4281142667
1.0920083237	0.530870447	0.9999537652	1.2753754649
1.0802548627	0.4878635771	0.9999537652	1.1535898994
-1.4423423054	0.2431163149	0.9999537652	1.3167123989
1.1914277133	0.8117858645	0.9999537652	-2.6746008127
-1.227317217	0.1188376775	0.9999537652	-1.2176496266
1.1739489549	0.3704706621	0.9999537652	1.1727729024
1.3185287977	0.4225721752	0.9999537652	1.24422459

gene_expression_table

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1.2921120854	0.2339903854	0.9999537652	1.2267060643
9.8205505243	0.3808399173	0.9999537652	0
1.3516771602	0.1607729428	0.9999537652	1.3293516924
1.0096129644	0.9562403855	0.9999537652	1.1304867999
2.5978004522	0.277637291	0.9999537652	-1.0841692731
1.0788599929	0.774192317	0.9999537652	-1.0163230861
1.2685621488	0.0863134473	0.9999537652	1.1718520249
-2.9572400577	0.3881281056	0.9999537652	1.2400291296
-1.440762573	0.0863682673	0.9999537652	1.3046555537
-1.2124067144	0.6333881725	0.9999537652	1.2092416821
1.1492128484	0.4478258965	0.9999537652	-1.0837443005
1.0998136985	0.4725090168	0.9999537652	-1.0782430267
1.1158451632	0.5531193435	0.9999537652	1.3819985049
-1.0012407479	0.9958769486	0.9999537652	-1.0616573598
-1.1290947109	0.8331932331	0.9999537652	1.1305195109
1.1244438725	0.4036630742	0.9999537652	-1.0784962119
-1.1466990632	0.3550906332	0.9999537652	-1.1604670357
4.7614107123	0.1436014112	0.9999537652	-4.7163364444
-1.1645887681	0.283792707	0.9999537652	1.0506505876
-1.1215916118	0.5345978191	0.9999537652	-1.0678385594
1.0453445941	0.7560709922	0.9999537652	1.4176145398
1.2768593149	0.6323521332	0.9999537652	1.317164407
1.0113371931	0.9552229391	0.9999537652	1.0483733949
-1.0683830416	0.7239610195	0.9999537652	-1.199627656
1.0442984967	0.8634975451	0.9999537652	-1.0345958421
1.1037494409	0.4771034464	0.9999537652	1.0778311073
6.2246906171	0.0773126051	0.9999537652	-1.3718108746
1.0564165883	0.92058328	0.9999537652	-1.0370232947
-1.081012484	0.7021624299	0.9999537652	-1.0460724035
-1.6377847339	0.3273846753	0.9999537652	-1.592297434
1.6246623472	0.6510231429	0.9999537652	-1.4429295936
2.3326953621	0.4514643039	0.9999537652	3.1865842129
1.0638877532	0.7576345508	0.9999537652	1.0612499777
1.1794321532	0.4258584282	0.9999537652	-1.0073229861
-1.1368516183	0.5569782897	0.9999537652	1.0147499216
0	0	0	2.2924151284
-1.2597567125	0.2704320998	0.9999537652	-1.0347217198
1.922991318	0.1255960091	0.9999537652	1.362158545
1.3553688224	0.2661285345	0.9999537652	1.2032425627
-1.4756779277	0.6448525036	0.9999537652	1.394244722
2.7933974408	0.6948713406	0.9999537652	-1.8594983184
2.7933974408	0.6948713406	0.9999537652	-1.6599272513
1.5051934407	0.1804255097	0.9999537652	1.1916968684
-1.0693000945	0.8288362771	0.9999537652	-1.1998618237
6.3075231393	0.4869457937	0.9999537652	-1.2686400182
-1.3445680738	0.372349338	0.9999537652	-1.1268479345
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.9092068046	0.2147738672	0.9999537652	1.9531401374

gene_expression_table

-1.031455842	0.8546947883	0.9999537652	-1.250079026
1.1616975475	0.2269343045	0.9999537652	1.0861474191
-2.1307903719	0.4720844383	0.9999537652	1.3545358667
1.0871941419	0.6866437355	0.9999537652	1.2317975363
0	0	0	-1.7821643145
-1.0807774387	0.5366111533	0.9999537652	1.0709330902
2.4330469542	0.3069239716	0.9999537652	1.4413839312
1.3588576256	0.8006552884	0.9999537652	2.0824386352
1.0016019147	0.9962278894	0.9999537652	1.4080056231
-1.107492687	0.4839843171	0.9999537652	1.0933086642
-1.1293058762	0.7122271104	0.9999537652	1.2596904875
-1.10949614	0.5902593743	0.9999537652	-1.0535176252
1.2221798058	0.3318411053	0.9999537652	1.2158060398
-1.0790790138	0.690051948	0.9999537652	1.131597295
1.1930433859	0.3104405349	0.9999537652	1.1410183531
1.3180633219	0.4151269929	0.9999537652	1.0933396906
41.4235246733	0.1435027196	0.9999537652	1.3236157985
1.1362156476	0.3349083945	0.9999537652	1.4850410783
1.7343571244	0.4255612591	0.9999537652	1.8954581254
-1.0085170112	0.991234555	0.9999537652	-2.377796608
1.3302832209	0.1780130593	0.9999537652	-1.0616604374
1.2414529377	0.3941776292	0.9999537652	1.0357921779
-1.2065250574	0.5754375187	0.9999537652	-1.2032930043
-1.5844926328	0.2928898311	0.9999537652	-1.0037720183
4.5544554512	0.5691513355	0.9999537652	2.996475627
1.066114904	0.7790125986	0.9999537652	1.1878512321
-1.4218851597	0.2021505194	0.9999537652	-1.3619244823
1.4125493175	0.47515701	0.9999537652	1.3870656775
8.064174035	0.4240303822	0.9999537652	4.126189409
1.0400521022	0.9177764795	0.9999537652	1.2276228864
-2.5802899275	0.1924459151	0.9999537652	1.2763856823
1.2527770819	0.1066714357	0.9999537652	1.1312379668
1.1224328358	0.5916307399	0.9999537652	1.0107264157
1.3713677664	0.3053737283	0.9999537652	-1.1459184691
0	0	0	2.2217890137
-1.1604679895	0.2940377987	0.9999537652	-1.1506336998
-1.1921357948	0.2759612186	0.9999537652	-1.1100726194
1.3941900765	0.6650574701	0.9999537652	2.2834391572
3.0768986443	0.1959607209	0.9999537652	1.0382391686
-1.1555924555	0.4341371267	0.9999537652	-1.184213977
1.0216276708	0.9346436078	0.9999537652	-1.0535711679
1.3457117447	0.2805936965	0.9999537652	-1.000820421
1.0267631725	0.8452280229	0.9999537652	-1.1514684104
0	0	0	8.8639046058
-1.1601290564	0.516889599	0.9999537652	-1.1278152979
1.3885632347	0.4929415852	0.9999537652	1.0063324498
2.2471394157	0.0189373217	0.9999537652	1.4150427547
2.7957660672	0.7054151637	0.9999537652	1.2588770129
-2.0025825252	0.4567145214	0.9999537652	15.7262184124

gene_expression_table

-2.0033446699	0.4339646293	0.9999537652	-1.144309199
2.5603529545	0.2532101709	0.9999537652	-1.8594983184
-1.5881166222	0.7239157085	0.9999537652	1.4517758292
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	-1.7246537898
1.2647653865	0.1570837287	0.9999537652	1.0510027534
1.17415232	0.4340552989	0.9999537652	-1.1272227054
-1.1453283303	0.4586340933	0.9999537652	1.001533894
-1.0109410966	0.9645016042	0.9999537652	1.3736676544
1.0854325391	0.7432343103	0.9999537652	-1.1825488267
1.0157484293	0.9584759501	0.9999537652	-1.4315187639
-1.0584868311	0.7109160884	0.9999537652	-1.0332508069
-1.066643349	0.7879640303	0.9999537652	1.2679822722
-17.0527724669	0.1064674885	0.9999537652	23.5244756139
-1.0771318433	0.5961924429	0.9999537652	-1.1969186018
-1.0806525169	0.6186272643	0.9999537652	-1.1376608345
-1.0670395817	0.6906317793	0.9999537652	-1.0384683378
-1.0923861226	0.5300534522	0.9999537652	-1.2921474481
1.1162834585	0.9271558935	0.9999537652	-1.1635587355
1.0279946931	0.9485359441	0.9999537652	-1.2218815242
-1.2262938314	0.5088047563	0.9999537652	-1.3316817021
4.5505976667	0.5580173132	0.9999537652	-9.7554110723
0	0	0	1.5908108123
-1.0379260793	0.9585357071	0.9999537652	-1.3078946307
1.1185766111	0.5261353187	0.9999537652	1.2652835739
-1.0610340974	0.6352119047	0.9999537652	1.165299022
1.1183928359	0.7551947418	0.9999537652	-1.6297897138
1.3952142421	0.3136682314	0.9999537652	-1.1019946937
-1.0776652847	0.6300458984	0.9999537652	-1.4437596553
1.7532109063	0.115603547	0.9999537652	-1.238353717
-3.1291666749	0.0323045313	0.9999537652	-1.1738675494
-1.1761859055	0.2807690586	0.9999537652	-1.237028424
-6.9762758667	0.253866474	0.9999537652	0
1.2571214932	0.5072000291	0.9999537652	-1.1059553934
1.9050337421	0.4951423099	0.9999537652	-1.5885342441
-1.7667103191	0.0516754793	0.9999537652	-1.229096511
1.108572056	0.6372818569	0.9999537652	-1.2760778257
-1.0073959536	0.9552518798	0.9999537652	-1.1140168664
-1.0927147006	0.8102482266	0.9999537652	1.6895558503
-1.3917747917	0.6966176058	0.9999537652	1.2763409465
-1.1162201988	0.4428337072	0.9999537652	-1.2254009866
0	0	0	1.6460548351
74.7406392012	0.0902614905	0.9999537652	-2.331907554
1.121447126	0.5192161512	0.9999537652	-1.1111108703
1.7635124906	0.008027	0.9999537652	-1.13989203
-1.121495293	0.504863659	0.9999537652	-1.1147231155
1.0254725855	0.9116949242	0.9999537652	-1.041905817
1.0225186495	0.8799908906	0.9999537652	1.1147364043
-1.3365311834	0.2589043729	0.9999537652	-1.1252678765

gene_expression_table

1.5708934584	0.0639454711	0.9999537652	-1.0607646103
0	0	0	-1.1508383804
2.7933974408	0.6948713406	0.9999537652	4.9527501949
22.1075168104	0.2294502413	0.9999537652	-1.5297710554
1.3149506351	0.6126934083	0.9999537652	1.9360947879
-1.1202350469	0.5247359333	0.9999537652	1.1210033521
1.096561783	0.9223104206	0.9999537652	1.0991765388
-1.0032480039	0.9808188243	0.9999537652	1.089455734
1.0960528897	0.454923575	0.9999537652	-1.1091269249
1.1751994235	0.604872244	0.9999537652	-1.5168971076
2.3849251739	0.1342034118	0.9999537652	-1.8602423201
1.3865458338	0.3120228366	0.9999537652	-1.0956757346
-1.0687261513	0.8067809387	0.9999537652	-1.2195832731
1.1487009072	0.3427191929	0.9999537652	-1.2315562255
1.8883256627	0.2298542657	0.9999537652	-1.0781260401
1.3533738682	0.2072420923	0.9999537652	-1.2497470341
3.7523729726	0.0228427497	0.9999537652	-1.037692948
1.1297591131	0.7740804817	0.9999537652	1.1531578644
-1.0957129989	0.6679741783	0.9999537652	-1.1184962775
0	0	0	2.996475627
-1.2690039376	0.3510550613	0.9999537652	-1.564877706
1.3671044512	0.5766577112	0.9999537652	-1.3150685428
-1.4054122033	0.2746591465	0.9999537652	1.0105456338
-1.1614998763	0.8773192096	0.9999537652	1.4044603321
4.5505976667	0.5579619574	0.9999537652	2.996475627
2.034148039	0.0298009468	0.9999537652	1.8925242337
-1.0560631224	0.7876252281	0.9999537652	-1.4243489174
-1.0257731938	0.8832127477	0.9999537652	-1.396063674
-1.0819600142	0.9162018126	0.9999537652	1.8800448668
-1.059763157	0.6562260482	0.9999537652	-1.2091630533
2.7933974408	0.6948713406	0.9999537652	9.7116702472
-1.1665877442	0.3067627174	0.9999537652	-1.2715614061
-1.1736489462	0.5486352989	0.9999537652	-1.0066599369
5.3380256565	0.0156260469	0.9999537652	-1.2497649194
-7.9898319344	0.1016094332	0.9999537652	-1.6583880401
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1.0923252707	0.6273565521	0.9999537652	-1.14433415
1.2295632006	0.2271871332	0.9999537652	-1.258471424
1.8448460942	0.5998287668	0.9999537652	1.1432021086
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1.158980172	0.5161906027	0.9999537652	-1.1968846508
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-1.0183979066	0.9260254173	0.9999537652	1.1566994192

gene_expression_table

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-1.4030428403	0.0724612686	0.9999537652	-1.2136864031
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1.3864669654	0.3394864491	0.9999537652	1.0642466534
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1.1270368536	0.5878964781	0.9999537652	-1.3781556017
-1.1413158663	0.5920147714	0.9999537652	-1.1157738555
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-1.1092580418	0.5965093906	0.9999537652	-1.354750432
2.9119618468	0.1763896963	0.9999537652	6.707469253
-1.0011916999	0.9949560529	0.9999537652	-1.0495031741
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-1.0677096669	0.609517423	0.9999537652	1.0663484326
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1.4429296921	0.5032933253	0.9999537652	-1.767251894
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1.0453838347	0.8271625761	0.9999537652	1.0328079488
-1.72984743	0.164721529	0.9999537652	-1.0523531675
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1.1076035217	0.7647017847	0.9999537652	-1.265919561
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1.0061021724	0.9705245818	0.9999537652	1.0584477901
1.0990216257	0.4967736937	0.9999537652	1.2905892642
1.288858212	0.2150198825	0.9999537652	1.201666433
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-1.008469205	0.9935810449	0.9999537652	-6.0729310777
1.1398257343	0.5036738	0.9999537652	1.0034738992
1.0444695573	0.8610315331	0.9999537652	1.3187975868
1.5363100135	0.0008527	0.9999537652	-1.0181838004
-1.1459811318	0.5203393478	0.9999537652	1.1909725355
4.5505976667	0.5579078161	0.9999537652	10.8262784008
-1.2396398271	0.6548980824	0.9999537652	1.2080752003
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1.0473636192	0.8147014548	0.9999537652	1.380553022
-1.009681737	0.957387029	0.9999537652	1.1437374984
0	0	0	4.9527501949
1.3243004386	0.1840623748	0.9999537652	1.0620776654
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gene_expression_table

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-1.2783650587	0.0823788055	0.9999537652	1.1126129626
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-1.1926358913	0.3914649458	0.9999537652	1.1601003761
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2.7933974408	0.6948713406	0.9999537652	0
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-1.1614097668	0.3485184741	0.9999537652	1.0631226698
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1.4007542765	0.6400421221	0.9999537652	1.5431835469
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1.1158583321	0.9297250264	0.9999537652	1.4067915718
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-1.0160526977	0.9120035799	0.9999537652	1.3734949884
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1.1997507743	0.3364210972	0.9999537652	1.3706479508
8.064174035	0.4240271148	0.9999537652	10.8337816869
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-1.4106961981	0.1051859254	0.9999537652	-1.0003425849
2.3737552332	0.2446495601	0.9999537652	1.7808322773
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1.1904657605	0.3641545068	0.9999537652	1.3632184647
-1.391716287	0.3433888257	0.9999537652	1.160111376
1.9471359044	0.0148763596	0.9999537652	1.2568111805
1.0890761302	0.5985788091	0.9999537652	1.4249006961
1.1628621834	0.340014116	0.9999537652	1.3225988361
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-1.0142477981	0.9835465205	0.9999537652	-1.299636469
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1.603906631	0.6805122765	0.9999537652	1.9347708844

gene_expression_table

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1.0028817055	0.9883552948	0.9999537652	-1.0504011122
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	-1.4686861114
-1.2190851278	0.2844719609	0.9999537652	-1.025860876
-1.4190701167	0.1412615685	0.9999537652	1.0628214622
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1.5773769852	0.2543259556	0.9999537652	1.0041611919
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1.4358565683	0.4882930092	0.9999537652	-2.289224136
1.8841048031	0.3818416655	0.9999537652	-1.2810613201
1.153523318	0.7748544789	0.9999537652	1.4680647468
-1.0732711947	0.7150019683	0.9999537652	1.198283077
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1.0523998499	0.7040782092	0.9999537652	1.2034554223
1.0936472057	0.7459326692	0.9999537652	1.2207818039
1.2469835681	0.2648557894	0.9999537652	1.4962757462
-1.1144665121	0.4828094965	0.9999537652	1.0525164226
8.064174035	0.4240254816	0.9999537652	-3.6579608117
11.5766527773	0.3455597772	0.9999537652	-1.0101500723
2.7933974408	0.6948713406	0.9999537652	6.914120153
1.0506286177	0.7301171223	0.9999537652	1.2546702541
4.5505976667	0.5578027471	0.9999537652	2.996475627
-1.0239566571	0.9304545966	0.9999537652	1.2083115563
1.1025661277	0.5327864216	0.9999537652	1.6175594145
1.0546290961	0.6357355779	0.9999537652	-1.0018920057
1.1042168676	0.628219332	0.9999537652	1.2848202536
1.3243181014	0.0323560678	0.9999537652	1.3574533881
1.570657352	0.541554012	0.9999537652	-2.858326524
-1.3784114725	0.4127458278	0.9999537652	1.1852540552
1.097881638	0.5072593192	0.9999537652	1.194308948
1.1457000343	0.6482659151	0.9999537652	-1.2269769112
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1.085205972	0.6741413386	0.9999537652	1.0545249725
1.0616020983	0.647917281	0.9999537652	1.0557093976
1.2521045812	0.2335091981	0.9999537652	1.3200420653
-1.3468525069	0.450839795	0.9999537652	1.0578168979
-1.3820549165	0.3129754329	0.9999537652	1.8628875485

gene_expression_table

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0	0	0	8.8639046058
0	0	0	2.9988886918
0	0	0	2.9985540909
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13.3324809638	0.3187921671	0.9999537652	-6.43677014
6.3075231393	0.4869171328	0.9999537652	0
1.1172990819	0.6234749095	0.9999537652	-1.0820055751
-1.4768020436	0.6834230519	0.9999537652	-2.1290021891
1.3588921917	0.7999879612	0.9999537652	8.8639046058
1.1668522709	0.341842075	0.9999537652	1.3626947754
-1.2617840437	0.4076763673	0.9999537652	-1.0745562869
-1.2112341051	0.5188011103	0.9999537652	-1.1550769623
1.0249910597	0.8913507876	0.9999537652	-1.3156221067
0	0	0	-5.3608259368
-1.8388155927	0.3031935442	0.9999537652	1.0540033075
1.2750541257	0.7269643024	0.9999537652	1.2872098348
2.7957660672	0.7054198357	0.9999537652	-1.0487016324
-1.4184563758	0.2966975136	0.9999537652	-1.117146965
-1.2192458286	0.1190536578	0.9999537652	1.1503829113
-1.1054711699	0.5191917061	0.9999537652	1.028452815
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23.8617041368	0.2201356	0.9999537652	-2.0460434872
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8.064174035	0.4240238486	0.9999537652	0
-1.3509108602	0.53397695	0.9999537652	-1.0292208205
0	0	0	-1.1241083699
-1.6604569504	0.125188802	0.9999537652	-1.2048913056
-1.2826793645	0.5782811392	0.9999537652	-1.0565679627
-1.0934532261	0.6656456822	0.9999537652	1.0230531569
-1.5611997839	0.0468219528	0.9999537652	-1.1323269197
-1.4994755676	0.008111	0.9999537652	-1.0598687636
2.7933974408	0.6948713406	0.9999537652	-1.8579915692
-1.1202106492	0.4403463424	0.9999537652	1.3192202191
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-4.7472651917	0.1001644684	0.9999537652	9.7116702472
-1.0346083795	0.8758056174	0.9999537652	1.1640706073
1.2907921107	0.1348007733	0.9999537652	1.0196228717
-1.1619717093	0.874250091	0.9999537652	1.1094441646
-1.1001857288	0.6578223073	0.9999537652	-1.0557292257
1.2336408201	0.4454709972	0.9999537652	-1.0515965497
1.0835518633	0.8597856819	0.9999537652	1.2940082969
-1.1650017951	0.4580178901	0.9999537652	-1.3198935578
0	0	0	14.7271569203
2.7933974408	0.6948713406	0.9999537652	-1.4680135518
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gene_expression_table

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1.2636997902	0.4769312577	0.9999537652	1.7028332523
1.3555910646	0.6328180489	0.9999537652	-1.0168197456
-1.5881570201	0.7141169061	0.9999537652	2.7978679986
0	0	0	8.8700459102
9.8205505243	0.3808396294	0.9999537652	-1.8680077128
1.4002317187	0.0349336644	0.9999537652	1.2377837467
-1.3186764966	0.1372763265	0.9999537652	1.0361673413
1.0308103059	0.876649923	0.9999537652	1.1261121939
2.2235544392	0.1676839488	0.9999537652	1.0722064199
1.1882440599	0.4368395155	0.9999537652	1.3034883583
-1.0633740706	0.8867774259	0.9999537652	1.1941105127
1.3881753996	0.0970312347	0.9999537652	1.0067252044
1.2621193273	0.4185580758	0.9999537652	-1.4367042876
-1.7518156055	0.2450454017	0.9999537652	1.3317722472
-1.369113427	0.5520806069	0.9999537652	-1.0746435454
1.7564707436	0.0926236485	0.9999537652	1.3362107554
-1.0518597919	0.8643254424	0.9999537652	1.0763732538
6.3075231393	0.4869027739	0.9999537652	-5.3583704783
1.2769351731	0.3728681407	0.9999537652	1.8632032351
-1.7279819296	0.4990673139	0.9999537652	1.2560473231
-1.1646731514	0.4898019399	0.9999537652	1.0147508311
1.1348984553	0.9169119154	0.9999537652	-1.5226286376
-1.6934349257	0.004637	0.9999537652	-1.3002035426
1.1898218348	0.7383238351	0.9999537652	-1.0868937382
1.6341257697	0.1918959912	0.9999537652	-1.1521491098
2.8197560167	0.354326402	0.9999537652	2.9983256599
1.0611819785	0.739021242	0.9999537652	1.043761478
-1.1490354002	0.4436559828	0.9999537652	-1.0718542709
-1.3417312931	0.470349407	0.9999537652	-1.4754797778
-2.4114503608	0.2961651996	0.9999537652	-2.314898282
2.8235674082	0.0978681259	0.9999537652	-1.6773238966
-1.4752136658	0.2658112389	0.9999537652	-1.454395254
-1.7063800139	0.4441716791	0.9999537652	4.1926556018
-1.7316657157	0.4577741195	0.9999537652	1.4584010041
-1.5875118025	0.7206758318	0.9999537652	-1.3884544962
0	0	0	6.908559683
1.0434520965	0.8234402572	0.9999537652	1.1458319212
1.7298869115	0.1577178278	0.9999537652	-1.5886586298
-1.0812271213	0.7826111778	0.9999537652	-1.1502930532
0	0	0	22.424363668
1.1033117594	0.7595856256	0.9999537652	-1.3296540485
-1.4920566811	0.5136528766	0.9999537652	1.241384699
1.2882164802	0.4132820401	0.9999537652	1.0373448136
1.0018615075	0.9952056803	0.9999537652	-1.143948355
-1.02760247	0.9101577628	0.9999537652	-1.3832648534
-1.19001074	0.2063291628	0.9999537652	-1.2700122278
1.5217013145	0.449353971	0.9999537652	-1.3959796701

gene_expression_table

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1.2915813014	0.2099713613	0.9999537652	1.2503345085
-1.0808922345	0.5831084768	0.9999537652	-1.0902816092
-1.2658372721	0.5601823836	0.9999537652	-1.1643439296
4.6415988335	0.0733894789	0.9999537652	2.0936238317
1.0488816194	0.8088733406	0.9999537652	-1.1246437894
-1.016615192	0.8994712105	0.9999537652	-1.0221184396
1.2670445632	0.2363032287	0.9999537652	-1.1770564973
1.0396384317	0.9173510855	0.9999537652	1.4194920823
-4.3251326698	0.1491179034	0.9999537652	-1.2074994903
-1.7020144588	0.3674739902	0.9999537652	-1.4855934874
325.0013340373	0.0217669979	0.9999537652	-1.9213028425
1.0383140723	0.8375300453	0.9999537652	1.3960268977
-1.0015038314	0.9912287402	0.9999537652	1.2376295816
1.2299264923	0.5370080757	0.9999537652	1.081433166
1.0532901703	0.8749556871	0.9999537652	1.2596920488
1.0712863643	0.6864735673	0.9999537652	-1.2906536651
-1.1448144121	0.9147526127	0.9999537652	-1.1592847852
1.5018264344	0.0423761195	0.9999537652	1.1118717605
-1.2368292141	0.5978223739	0.9999537652	-1.2641822333
0	0	0	4.9527501949
0	0	0	0
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1.1428524152	0.6448369303	0.9999537652	-1.5199923942
4.2494730656	0.1149727218	0.9999537652	1.1511394531
2.7933974408	0.6948713406	0.9999537652	6.908559683
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1.1515629863	0.3141757134	0.9999537652	1.1586941576
1.1162834585	0.9271703652	0.9999537652	-1.6213283288
1.5719856594	0.5411479595	0.9999537652	-1.3582894632
-1.2846434244	0.3426871819	0.9999537652	1.2896108775
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1.0466477925	0.8392974151	0.9999537652	1.3896430926
1.1754033384	0.7228069388	0.9999537652	1.1885750115
2.7933974408	0.6948713406	0.9999537652	4.9527501949
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-1.13806285	0.3440926076	0.9999537652	-1.0380334123
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1.0629395588	0.8294812321	0.9999537652	1.1349667763
1.2396156377	0.4521721018	0.9999537652	1.1565809603
1.4857799254	0.1165239995	0.9999537652	1.1748773187
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2.7933974408	0.6948713406	0.9999537652	1.9416545697

gene_expression_table

1.2526375214	0.8112063186	0.9999537652	-1.5093307449
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1.5355940002	0.1361021634	0.9999537652	1.1064187527
-1.274390642	0.2293124134	0.9999537652	1.3072621753
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1.3092285135	0.3107915979	0.9999537652	1.0621093729
2.6478843491	0.4839523426	0.9999537652	1.6620430936
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-1.1723855247	0.5330615417	0.9999537652	-1.0141056811
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2.7933974408	0.6948713406	0.9999537652	0
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1.0618958585	0.7377986777	0.9999537652	1.6018531497
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1.362534054	0.5750086336	0.9999537652	1.5405640381
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1.4660614269	0.1339236684	0.9999537652	1.5201318652
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0	0	0	12.7732027325
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0	0	0	0
30.8757261591	0.1833133149	0.9999537652	-3.8929589845
-1.2923085997	0.6023372515	0.9999537652	-2.2694112962
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0	0	0	2.9985540909

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	-4.7285781921
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1.0856187283	0.7112721406	0.9999537652	1.1808059798
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2.7933974408	0.6948713406	0.9999537652	-9.7542681481
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2.7933974408	0.6948713406	0.9999537652	-1.859280336
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1.0562407945	0.6757795175	0.9999537652	1.1468341032
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-1.0287317069	0.8603258463	0.9999537652	1.1242181891
1.0821648394	0.818452559	0.9999537652	1.2486609772
-1.1437638024	0.285305938	0.9999537652	1.1685717749
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1.1592313424	0.5102221654	0.9999537652	1.4169816582
11.5970171551	0.3502937215	0.9999537652	1.1696208368
1.309390581	0.665934907	0.9999537652	-1.130838319
1.6477221914	0.1991199259	0.9999537652	-1.0141886587
1.045400384	0.8420370358	0.9999537652	1.2202850714
6.3075231393	0.4868883961	0.9999537652	0
-1.1451704697	0.4880472376	0.9999537652	1.0138252452
-1.0978575892	0.5177003087	0.9999537652	1.1722033645
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1.0720580179	0.5478826827	0.9999537652	1.2254413111
1.1405427003	0.5022528838	0.9999537652	1.6475738629
1.158795471	0.3662614082	0.9999537652	1.1756952739
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-1.2528594162	0.3123764475	0.9999537652	1.2600320081
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-1.011324172	0.9882060702	0.9999537652	-1.859280336

gene_expression_table

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1.1012257078	0.6561440393	0.9999537652	-1.3346958976
1.5868795429	0.314446012	0.9999537652	-1.1403455413
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1.0643300638	0.8323213297	0.9999537652	1.1825391065
2.7957660672	0.7054221731	0.9999537652	0
1.00230527	0.9895414565	0.9999537652	1.0275549918
1.5908598212	0.3202414594	0.9999537652	1.8941137294
-1.4785983583	0.3579900557	0.9999537652	-1.1524390841
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8.064174035	0.4240222159	0.9999537652	1.0669957455
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1.0896909925	0.5737125951	0.9999537652	1.1512446747
1.7101327785	0.324666804	0.9999537652	1.0907555042
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-1.0501977401	0.8537055785	0.9999537652	1.375868489
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-1.0085989693	0.9616334718	0.9999537652	-1.1903487432
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1.0568838	0.7297254104	0.9999537652	1.6527969371
-1.2740858477	0.2176388607	0.9999537652	1.3876787987
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1.2034750756	0.3245807335	0.9999537652	1.1015874304
1.3115064824	0.1413113992	0.9999537652	1.0386673647
1.3553887312	0.1309610636	0.9999537652	1.309697898
1.0983482417	0.6590568401	0.9999537652	1.217504941
1.4996200024	0.1045064697	0.9999537652	-1.3002625694
8.064174035	0.4240205835	0.9999537652	0
1.0942194321	0.8686328358	0.9999537652	2.1544981479
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1.505135715	0.3819904603	0.9999537652	1.0226831506
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1.0917258909	0.6335093651	0.9999537652	1.0150594856
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1.1746975725	0.2741743233	0.9999537652	-1.2357106507

gene_expression_table

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1.1429949461	0.4820282082	0.9999537652	-1.1672257916
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1.4513773693	0.362124465	0.9999537652	-1.6040917952
-1.169745712	0.2782519686	0.9999537652	-1.1516564529
-1.1744398787	0.355121647	0.9999537652	-1.3302832635
1.4958687715	0.496904432	0.9999537652	-1.4629673466
1.1900002326	0.375305214	0.9999537652	-1.1144918816
0	0	0	9.7116702472
2.7933974408	0.6948713406	0.9999537652	-1.356070459
1.1766425009	0.5973362274	0.9999537652	1.076505587
1.0352399375	0.8985544878	0.9999537652	-1.153757751
2.7933974408	0.6948713406	0.9999537652	0
1.035374331	0.9606271499	0.9999537652	1.0112222041
-1.2020669635	0.4071065797	0.9999537652	-1.2136313295
-1.3052296421	0.2417564777	0.9999537652	1.0002975092
1.3164602335	0.3885740171	0.9999537652	1.352532263
1.519717953	0.1903331694	0.9999537652	1.0622908449
-1.1901517603	0.2053590623	0.9999537652	-1.1167649501
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1.2588461709	0.5601081094	0.9999537652	-1.0252542254
8.064174035	0.4239978731	0.9999537652	1.8383591193
1.3050983867	0.4831923024	0.9999537652	1.1080762564
1.1133075268	0.5432715388	0.9999537652	1.1400503692
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1.2021764012	0.4843033549	0.9999537652	1.2662555378
-1.4019663325	0.0476335002	0.9999537652	-1.0215834625
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2.4059761043	0.0402225208	0.9999537652	-1.0177868458
1.2986112034	0.3301623758	0.9999537652	-1.0353147614
6.3075231393	0.4868595833	0.9999537652	2.996475627
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0	0	0	2.996475627
-1.1726921613	0.6262713869	0.9999537652	1.3445786505
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0	0	0	3.3371876641
1.076994809	0.8787522402	0.9999537652	-1.6060544264
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1.1637651383	0.4530262829	0.9999537652	1.0199462791
3.7228204944	0.0195702251	0.9999537652	3.9136979278
-1.1104037121	0.59655728	0.9999537652	1.3240641201
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1.0444164156	0.8358964811	0.9999537652	-1.1665378568
-1.1227911744	0.4681672298	0.9999537652	-1.3609204707
1.1870754472	0.4787749581	0.9999537652	1.0184224455
-1.2496447372	0.1495007075	0.9999537652	1.2097408287
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gene_expression_table

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-1.1264997606	0.6055307391	0.9999537652	-1.38164978
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-1.2441412193	0.087827701	0.9999537652	-1.175019344
-1.5023747081	0.5454951764	0.9999537652	-1.7099509994
1.6141510062	0.2508927353	0.9999537652	-1.0198881406
-1.226319784	0.4191284192	0.9999537652	1.2203332304
1.1497233216	0.8135557954	0.9999537652	4.7695885622
1.0713278051	0.7401835915	0.9999537652	-1.2230686499
-1.1549283906	0.5699118603	0.9999537652	1.0598025085
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-1.0626935003	0.8749974338	0.9999537652	1.0431939855
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1.2803598908	0.5980381504	0.9999537652	1.1908574208
-1.0562791674	0.7936647094	0.9999537652	1.3988993153
1.0068397368	0.9663845186	0.9999537652	1.0652516359
1.0582337724	0.8090665533	0.9999537652	-1.1538988809
-1.33324794	0.1210635042	0.9999537652	1.0133581482
-1.1213600596	0.8125948082	0.9999537652	-1.1636699835
-1.3198880592	0.2495391052	0.9999537652	-1.3663208889
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1.0458462643	0.7656018246	0.9999537652	-1.076296232
-1.2374155669	0.4552737317	0.9999537652	1.0449121576
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1.1324974701	0.6557070921	0.9999537652	-1.0539486489
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1.0160046865	0.8872339051	0.9999537652	1.1588879339
-1.1562840158	0.7699589651	0.9999537652	1.1457929503
1.2195533953	0.723759516	0.9999537652	-1.4910734584
2.7957660672	0.7054245114	0.9999537652	0
0	0	0	2.9985540909
1.1005825568	0.4459436823	0.9999537652	1.006683691
1.2889988575	0.5738423145	0.9999537652	1.07862799
-1.2084036764	0.4276486206	0.9999537652	1.2761736378
0	0	0	6.9189162209
1.0064752338	0.963208787	0.9999537652	1.2436561265
-1.5240520637	0.3496825185	0.9999537652	-1.7567895333
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-1.4015448726	0.0778871131	0.9999537652	-1.2757129396
0	0	0	4.9527501949
1.0174016281	0.9211170119	0.9999537652	-1.1772047529
1.5991448424	0.5357957999	0.9999537652	1.1688090495
-1.9021540937	0.037850383	0.9999537652	-1.2302364531
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-1.2475563626	0.491694841	0.9999537652	-1.1771584984
1.498009066	0.0579485092	0.9999537652	-1.1040047039
1.2776773713	0.0671941206	0.9999537652	1.1319182604

gene_expression_table

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1.0538600751	0.9221992369	0.9999537652	1.0200923869
-1.4420675885	0.5481285907	0.9999537652	-1.207672864
2.2285006183	0.0986211377	0.9999537652	1.1632254461
1.0520850385	0.7294734493	0.9999537652	1.3786566794
1.037067994	0.844140845	0.9999537652	-1.1965148367
1.0560121516	0.7167480839	0.9999537652	-1.0061261619
1.1230473096	0.8987510784	0.9999537652	4.9527501949
-1.3239989074	0.1129322713	0.9999537652	-1.0002932914
1.1108432409	0.4768303412	0.9999537652	1.0210580016
1.204311661	0.3383383836	0.9999537652	-1.080425513
1.869534062	0.061134213	0.9999537652	1.0682839776
-1.4998778653	0.186608436	0.9999537652	1.0710804526
-1.3388995872	0.4526404876	0.9999537652	1.2105488934
1.0979970564	0.8179310374	0.9999537652	1.482011877
1.1744022705	0.6197450195	0.9999537652	-1.2584238334
1.2210507869	0.5452191408	0.9999537652	1.3417930919
0	0	0	-1.9327627911
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-1.1210727303	0.5472728228	0.9999537652	-1.0756686032
-1.1536798624	0.4261263735	0.9999537652	-1.2344310368
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1.5539296366	0.3024131654	0.9999537652	-1.0189838092
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4.6439223933	0.0923159429	0.9999537652	-1.4933246322
1.4109285177	0.2142267401	0.9999537652	-1.1195209627
-1.0733798751	0.5732282514	0.9999537652	1.0199562944
1.6455269788	0.5819748549	0.9999537652	-1.5238166904
1.2150155835	0.6083540341	0.9999537652	1.5335812826
1.2024834744	0.3160057651	0.9999537652	1.2470352738
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-6.9736190158	0.2250321147	0.9999537652	6.908559683
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-1.2381922417	0.4943169404	0.9999537652	-1.1289441484
1.6024607202	0.5296952292	0.9999537652	1.4392655202
1.1158583321	0.9297136342	0.9999537652	-2.2019778712
2.7933974408	0.6948713406	0.9999537652	0
-1.0072378423	0.9939316374	0.9999537652	24.5069156959
0	0	0	2.996475627
-1.2131496116	0.6906057536	0.9999537652	1.3568020981
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1.3013038034	0.0874813483	0.9999537652	-1.47417274
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1.1195202445	0.7316821184	0.9999537652	-1.0246191345

gene_expression_table

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8.064174035	0.4239752387	0.9999537652	0
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1.2292952208	0.6486208657	0.9999537652	1.0184491269
4.5505976667	0.5576922483	0.9999537652	-9.7542681481
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1.1119615774	0.5092568092	0.9999537652	1.1211907233
1.5701097546	0.5500352572	0.9999537652	1.0537060663
0	0	0	6.908559683
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1.1937906519	0.6881194648	0.9999537652	-1.1757086358
1.5694218508	0.5760214204	0.9999537652	-1.2102801718
-1.3998169344	0.6019956971	0.9999537652	1.191977693
1.5911703288	0.0184098181	0.9999537652	-1.0355545636
2.3210078398	0.0138403392	0.9999537652	1.0602090509
-1.0248974411	0.9010802185	0.9999537652	1.2473309637
1.0688350535	0.790826852	0.9999537652	1.200383551
1.3461558519	0.261825581	0.9999537652	-1.228241807
2.9970436837	0.1412286185	0.9999537652	1.1337017128
1.1418395671	0.4718124864	0.9999537652	-1.128011257
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1.0138924925	0.9172152722	0.9999537652	1.2198315865
1.0160501577	0.9818068531	0.9999537652	-2.6257240681
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-1.0745764919	0.8779335339	0.9999537652	1.0645142396
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-1.7960963046	0.0353999668	0.9999537652	-1.6383799161
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gene_expression_table

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1.1453117903	0.750102408	0.9999537652	-1.5011800753
4.5505976667	0.5576832976	0.9999537652	6.908559683
-1.8902736666	0.2230740538	0.9999537652	-1.457796445
1.2178229098	0.396837049	0.9999537652	1.0582750014
1.0390670679	0.8607139937	0.9999537652	1.2289441646
-1.171237928	0.4192912667	0.9999537652	-1.2667167793
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1.1232102074	0.8949390203	0.9999537652	1.0327700015
1.3967109867	0.6231176573	0.9999537652	1.3928979747
1.1265794196	0.6559015827	0.9999537652	1.0249543837
-1.7001055654	0.2974767457	0.9999537652	-1.250150973
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1.499792306	0.2428020631	0.9999537652	1.0612790076
-1.1205725737	0.7069996167	0.9999537652	-1.1965830081
4.5545995984	0.569676623	0.9999537652	-1.1242401582
1.1427607173	0.6205412318	0.9999537652	1.4138937627
4.5505976667	0.5576743707	0.9999537652	0
-1.0680746196	0.6551967471	0.9999537652	1.1422735879
-2.6335352531	0.2724653065	0.9999537652	1.4735607458
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1.2012386498	0.6891067262	0.9999537652	1.2666808338
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1.0697937879	0.8125693604	0.9999537652	1.300168505
2.1676257531	0.2057616268	0.9999537652	1.3034669708
6.3075231393	0.4868451483	0.9999537652	0
1.2401865025	0.365918224	0.9999537652	1.4903777703
1.1281260175	0.8393942768	0.9999537652	-1.0519534482
32.6837273262	0.1727736902	0.9999537652	-1.5278961905
1.1545303195	0.6541583145	0.9999537652	1.0341801366
1.1172293767	0.9254380029	0.9999537652	-1.1177863553
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1.0248763208	0.9177075708	0.9999537652	-1.0743713943
-1.1266512601	0.379196072	0.9999537652	-1.1264753873
1.289655948	0.3729279532	0.9999537652	-1.1655942033
-1.4528331939	0.442685151	0.9999537652	1.3146074947

gene_expression_table

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1.9435125307	0.30513947	0.9999537652	1.2348501603
-1.0426529243	0.8842622733	0.9999537652	-1.0057370137
2.1641462884	0.4097159943	0.9999537652	-1.9838489833
2.7933974408	0.6948713406	0.9999537652	0
-1.0403321647	0.8055030261	0.9999537652	1.2005352496
1.1704806069	0.452253772	0.9999537652	-1.0140817857
72.2737389183	0.0952283593	0.9999537652	1.0174335377
-1.0749487437	0.7485943297	0.9999537652	-1.3106851597
1.5475388881	0.2232908411	0.9999537652	1.2133852125
1.7034428179	0.1369328297	0.9999537652	1.2076177368
1.153390097	0.4712070511	0.9999537652	1.1314184705
-1.0627924055	0.6513445754	0.9999537652	1.1838317375
1.0454070479	0.7356454641	0.9999537652	1.2114212094
22.1637147731	0.232069292	0.9999537652	-2.9704130837
-1.0283793853	0.8848980537	0.9999537652	1.1838802961
-1.0653372444	0.8335414035	0.9999537652	-1.0381388704
-1.1140565098	0.4362450579	0.9999537652	1.0711807146
1.0798613785	0.7318149218	0.9999537652	1.4716633007
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1.0343611962	0.8175589165	0.9999537652	1.1705276959
-1.3991734392	0.3044553083	0.9999537652	-1.1829732968
2.5433021181	0.1134282609	0.9999537652	-2.3029868242
1.5521007833	0.0240623009	0.9999537652	1.3236194061
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	-1.0084773122
4.5505976667	0.5576654668	0.9999537652	-1.8577842586
1.0618073657	0.7329934494	0.9999537652	1.1956408773
0	0	0	2.4169633444
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-1.0711601088	0.6732498314	0.9999537652	1.168470637
1.176334431	0.6721143261	0.9999537652	1.1772574461
1.0003454956	0.9980277424	0.9999537652	1.1663109764
-1.1106270444	0.7898148094	0.9999537652	1.0011056049
1.6137547008	0.0339682191	0.9999537652	1.8510705847
0	0	0	-1.1246234874
1.3366122163	0.197512625	0.9999537652	1.1164893671
1.1730876003	0.4123037573	0.9999537652	-1.2132780891
1.013596976	0.9556122211	0.9999537652	2.6011217741
-1.1453192235	0.9087980493	0.9999537652	4.9527501949
0	0	0	0
7.441072047	0.0613606596	0.9999537652	1.0675791322
4.5505976667	0.557656585	0.9999537652	0
0	0	0	2.996475627
-1.1189664609	0.7970761536	0.9999537652	1.6656146362
-1.0066229223	0.9825912206	0.9999537652	-1.404547562
1.0031116066	0.9901061168	0.9999537652	1.4338063522

gene_expression_table

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1.8455489546	0.5922034177	0.9999537652	2.9985540909
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1.0140986119	0.9588003633	0.9999537652	1.0751211944
-1.0761763568	0.7194503308	0.9999537652	-1.0177688911
1.5442117167	0.091630784	0.9999537652	1.1849556214
1.6768394119	0.3631543028	0.9999537652	1.1061451365
-1.0445990748	0.8807280632	0.9999537652	1.371246993
4.5505976667	0.5576388846	0.9999537652	4.9527501949
-1.1475554583	0.6474593633	0.9999537652	-1.1488224766
1.5415125877	0.1158102842	0.9999537652	1.1053272374
-1.1453192235	0.9087673816	0.9999537652	1.400113184
-1.392221459	0.6739064548	0.9999537652	1.1687602177
1.1330532184	0.7750234861	0.9999537652	-1.0320814787
16.296263041	0.296224819	0.9999537652	-3.4788333565
2.7933974408	0.6948713406	0.9999537652	-2.0482026754
1.1465841484	0.6592560474	0.9999537652	1.0503291133
1.022428299	0.8648394789	0.9999537652	1.0131308351
1.0054097483	0.9899836708	0.9999537652	1.2263068423
-2.1317846121	0.4678509562	0.9999537652	16.6940563684
1.03746342	0.8722212938	0.9999537652	1.4745605849
1.1467689727	0.4019675033	0.9999537652	1.0051312602
-1.3037508243	0.084212867	0.9999537652	-1.3475445171
1.1347840865	0.610457031	0.9999537652	-1.1185136845
1.0180521385	0.9252341466	0.9999537652	-1.1304977299
1.1435506627	0.4162041729	0.9999537652	1.1906304787
-1.1140468122	0.6581012245	0.9999537652	-1.0119064276
1.0763501624	0.7435351129	0.9999537652	1.1031915719
0	0	0	6.908559683
-1.0869274837	0.532008322	0.9999537652	1.025240004
-1.0489830583	0.6894234885	0.9999537652	1.0230216711
-1.2351182932	0.2734582121	0.9999537652	1.4707706705
9.1990164803	1.06E-06	0.0189773051	24.143356737
-1.63410696	0.03723209	0.9999537652	1.3616638938
1.0179460471	0.9296751333	0.9999537652	1.3070137565
-2.2365969411	0.3843373066	0.9999537652	1.2335551469
-1.2193405642	0.3643378554	0.9999537652	1.469956191
1.0684375289	0.7748364665	0.9999537652	1.5714037494
-1.0269328778	0.9276292786	0.9999537652	1.2198405611
1.2490174178	0.1567640689	0.9999537652	1.586305387
1.2395265977	0.6640853447	0.9999537652	-1.7644830068
-1.3350320065	0.4914023021	0.9999537652	1.0594513172
1.1268391856	0.393344045	0.9999537652	-1.1750601984
1.1323967673	0.7017700152	0.9999537652	1.1232183178
-1.1900524362	0.5588072892	0.9999537652	1.2558227783
1.1220972931	0.9041283662	0.9999537652	-4.8176145137
-1.0391534682	0.9257707764	0.9999537652	-1.2230392117
-1.0798958047	0.8799381257	0.9999537652	-2.1736017414

gene_expression_table

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-2.6343761231	0.2907424951	0.9999537652	-1.5086090391
-1.1092422741	0.5596935199	0.9999537652	1.0538815882
1.5212036067	0.1434326634	0.9999537652	1.2055304698
6.3075231393	0.4868306943	0.9999537652	-1.2504304605
1.583406222	0.0408111628	0.9999537652	1.3796263994
1.035792188	0.9120676382	0.9999537652	1.6417851307
-1.5875118025	0.7207317913	0.9999537652	0
4.6453887007	0.0002512	0.9999537652	1.6929027962
1.5221698053	0.3377984522	0.9999537652	1.0640697182
1.0197307873	0.943631204	0.9999537652	1.0454720013
1.4581308732	0.7062389653	0.9999537652	-1.9277963491
-1.1238167931	0.8141386403	0.9999537652	1.0167624289
-1.0965061948	0.6512540573	0.9999537652	-1.0656734804
-1.0033260952	0.9851993224	0.9999537652	-1.0379887263
-2.0643077486	0.0965713158	0.9999537652	1.1065197263
3.5328411982	0.3047710221	0.9999537652	-1.0743752856
-1.4605783765	0.4748944014	0.9999537652	-1.2346788625
3.0602334741	0.328531917	0.9999537652	-1.1226656213
1.3699340379	0.0183804665	0.9999537652	1.3179373629
1.5130808007	0.6579655594	0.9999537652	1.2407431382
1.183461603	0.5515206837	0.9999537652	1.2773148379
0	0	0	4.9527501949
-1.0909766278	0.6783225896	0.9999537652	-1.0214064203
1.2793127563	0.5638582298	0.9999537652	-1.1498444917
-3.7593785559	0.002431	0.9999537652	-2.1285134593
1.0820344243	0.6759707952	0.9999537652	1.0820014852
-1.1779626091	0.594980742	0.9999537652	1.1423135253
-1.0230814332	0.8772607162	0.9999537652	1.3822325221
1.1153789105	0.5468932214	0.9999537652	1.4291118044
-1.0244254994	0.889177542	0.9999537652	-1.0177733019
1.3025382023	0.5397017064	0.9999537652	-1.0356082651
1.1285469221	0.8431951108	0.9999537652	1.0238096781
-1.1575422179	0.5369490546	0.9999537652	1.2182949399
-1.7015132167	0.0137077438	0.9999537652	1.4735783319
-1.0507148122	0.655743744	0.9999537652	1.1172664846
0	0	0	4.9527501949
-1.0835132333	0.5995928735	0.9999537652	1.0936003835
2.7957660672	0.705429191	0.9999537652	16.6806485101
-1.1216939351	0.5592132271	0.9999537652	1.1862172136
-1.1472085644	0.4614650073	0.9999537652	1.0353645359
1.4332074867	0.0998365847	0.9999537652	1.0828006422
-1.1214254558	0.3507938952	0.9999537652	-1.0243099247
1.0378161503	0.8417225015	0.9999537652	-1.0599889274
26.4578430969	0.207636342	0.9999537652	-1.0153549098
1.1060075337	0.6879695557	0.9999537652	1.181449813
-1.1679931418	0.6864116387	0.9999537652	1.519456354
-1.2145271299	0.2814843107	0.9999537652	1.1158347271
0	0	0	8.8700459102

gene_expression_table

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1.4382672885	0.0467766931	0.9999537652	1.1649330407
2.7933974408	0.6948713406	0.9999537652	-1.1248877899
2.0902635436	0.0265428439	0.9999537652	1.005803903
-1.2390439306	0.4507496108	0.9999537652	-1.1661798093
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2.4292825457	0.0264783623	0.9999537652	-1.1585884938
1.113905848	0.5513491	0.9999537652	1.0018916725
0	0	0	2.996475627
1.3442212242	0.2458128722	0.9999537652	1.0863823731
2.4323134639	0.1518615326	0.9999537652	1.2786917525
2.7933974408	0.6948713406	0.9999537652	1.0704119569
1.0032989227	0.9822772737	0.9999537652	1.0681764334
0	0	0	6.908559683
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1.055579126	0.8632089637	0.9999537652	1.4458781219
1.592047446	0.0507986798	0.9999537652	1.3093189581
8.064174035	0.4239165559	0.9999537652	5.0990322208
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1.0256765964	0.8781535785	0.9999537652	1.3863659661
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gene_expression_table

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2.7322393205	0.1855349669	0.9999537652	-1.5672193861
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8.064174035	0.4238971112	0.9999537652	2.996475627
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1.5539708133	0.2807540937	0.9999537652	-1.0866002666
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2.7933974408	0.6948713406	0.9999537652	1.1335799376
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2.7933974408	0.6948713406	0.9999537652	-5.3589986948
9.8205505243	0.3808393413	0.9999537652	-2.0465550316
1.0103406333	0.9743154328	0.9999537652	1.2324852636
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-1.0612751512	0.817353751	0.9999537652	1.4756100212

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	6.908559683
-1.0689372098	0.8489196481	0.9999537652	-1.3579476032
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-1.2321943066	0.353306342	0.9999537652	1.0572857182
1.3335143304	0.5939529995	0.9999537652	1.2896621072
2.7933974408	0.6948713406	0.9999537652	15.9061931258
6.3075231393	0.4867863046	0.9999537652	10.818785458
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2.7933974408	0.6948713406	0.9999537652	0
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1.1498219992	0.8550109014	0.9999537652	1.2574761276
-1.5565512955	0.3702761191	0.9999537652	-1.1455657765
0	0	0	1.5460384014
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2.0181702238	0.3286473557	0.9999537652	1.5988002519
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-1.2234021823	0.381420419	0.9999537652	1.0797672603
1.4309282923	0.2891186569	0.9999537652	-1.0199599076
-1.0207037322	0.9516214767	0.9999537652	-1.169289888

gene_expression_table

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27.4155731128	0.1963840634	0.9999537652	-1.4585845073
9.8205505243	0.380839053	0.9999537652	0
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1.1340135027	0.6502305977	0.9999537652	1.1232837734
4.5505976667	0.5576212623	0.9999537652	2.9985540909
0	0	0	2.996475627
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-1.0604967947	0.8058871106	0.9999537652	-1.1242890554
-2.2709544313	0.3092339471	0.9999537652	-1.7204385276
2.087766184	0.5274687709	0.9999537652	-3.1733746603
-1.2250923551	0.2954035657	0.9999537652	1.1482472774
-1.0103950142	0.98738051	0.9999537652	1.0589992167
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1.2953449135	0.2561067794	0.9999537652	1.2577862402
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1.1309803324	0.6763667569	0.9999537652	1.076027501
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1.4458709654	0.0932827305	0.9999537652	1.4944598535
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2.2335761138	0.1422037167	0.9999537652	-1.3253616166
1.4216110432	0.3219195352	0.9999537652	1.0050815742
6.3128691894	0.4817622099	0.9999537652	-1.1359208141
0	0	0	2.9985540909
-1.1541081848	0.505860272	0.9999537652	1.132394351
1.2133599992	0.8165072914	0.9999537652	-1.0145369899
4.5505976667	0.5576124784	0.9999537652	2.996475627
0	0	0	2.996475627
0	0	0	8.8639046058
-1.0340849837	0.8236148257	0.9999537652	-1.1510236116
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1.3009747194	0.0848805232	0.9999537652	1.0160184385
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gene_expression_table

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1.9015109615	0.6236751871	0.9999537652	-1.3581071904
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1.0212342466	0.9210393278	0.9999537652	-1.218924531
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25.6156185703	0.2096921881	0.9999537652	-1.1948316779
-1.1953989914	0.2466577335	0.9999537652	-1.1524727856
1.0331640127	0.8454565489	0.9999537652	-1.0305428753
1.0808397513	0.6670436583	0.9999537652	-1.1570412398
-1.1506708574	0.2998208212	0.9999537652	1.0023214339
4.5505976667	0.5575511101	0.9999537652	1.6443474089
-1.45767569	0.0913714901	0.9999537652	1.0908194723
-1.2784842915	0.1527671027	0.9999537652	-1.0711461857
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1.0714859567	0.849976859	0.9999537652	-1.2399569449
-1.7101749736	0.0822708948	0.9999537652	-1.0556161299
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1.0769378425	0.7710405733	0.9999537652	1.5734048295
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1.0312051686	0.8090924854	0.9999537652	1.1695103465
1.0901963832	0.6530645632	0.9999537652	-1.0026139604
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-2.0384167005	0.0395000183	0.9999537652	-1.2530192101
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0	0	0	-2.0463152328
1.258140575	0.4398816245	0.9999537652	-1.2917716631
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0	0	0	-5.3583704783
0	0	0	2.9985540909
1.2752591223	0.3301134063	0.9999537652	1.2937849956
-1.272582491	0.2850708423	0.9999537652	1.3516044956
-1.0836885942	0.847314717	0.9999537652	-1.0732972824
-1.1340529312	0.4095814907	0.9999537652	1.0179353422

gene_expression_table

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1.2510248049	0.2874277814	0.9999537652	1.3297704096
1.2061157042	0.1238133703	0.9999537652	1.2673923685
0	0	0	6.908559683
1.1023805338	0.5116524054	0.9999537652	1.4200470431
-1.0449919058	0.9092414739	0.9999537652	2.0350233904
0	0	0	-1.1254032646
-1.1631557214	0.5038406697	0.9999537652	1.1719373443
1.1795201921	0.6920312472	0.9999537652	1.8169626502
0	0	0	8.9512754559
1.1230473096	0.8987290504	0.9999537652	1.0675068228
-1.0608818821	0.7584672387	0.9999537652	1.0467540526
1.2740923875	0.2056797158	0.9999537652	1.2251074635
1.1968571056	0.3599671827	0.9999537652	1.0777197968
2.7933974408	0.6948713406	0.9999537652	4.9527501949
0	0	0	-1.8601323346
0	0	0	2.9985540909
4.5505976667	0.5574896519	0.9999537652	-1.4683576122
1.999501975	0.0455063022	0.9999537652	1.154760806
-1.1937981845	0.3933044161	0.9999537652	-1.0961097638
1.1006473838	0.6220474703	0.9999537652	1.4595436118
0	0	0	14.7271569203
1.0522221262	0.8989149056	0.9999537652	1.1884963553
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1.0106047485	0.9564398959	0.9999537652	-1.1705539547
1.7200622607	0.1460245339	0.9999537652	-1.2671891773
-1.4362615507	0.1150457108	0.9999537652	-1.1857709912
0	0	0	2.996475627
-1.1007163838	0.7447713359	0.9999537652	-1.3932485676
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0	0	0	2.9985540909
1.1593172687	0.8154114746	0.9999537652	-1.0648790285
1.4933961252	0.2617123731	0.9999537652	1.068944881
1.6723076668	0.4779983403	0.9999537652	2.1360046216
-1.1076902759	0.6317857831	0.9999537652	1.0112953478
1.1107076023	0.3727902666	0.9999537652	1.1710321067
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0	0	0	2.9985540909
1.0223251278	0.9206302712	0.9999537652	1.5565371331
-1.4830351086	0.2886312421	0.9999537652	1.0703354919
1.4096764265	0.2480422075	0.9999537652	1.2624921042
3.3030568913	0.2922814234	0.9999537652	1.1337017128
2.7933974408	0.6948713406	0.9999537652	0
1.0329791895	0.8534836298	0.9999537652	-1.1955907641
1.1250409692	0.5260561978	0.9999537652	-1.008736381
11.5864583426	0.3448989522	0.9999537652	-1.1525615042
-1.0261571745	0.8559028342	0.9999537652	-1.0360406632
-1.1645046325	0.5275660774	0.9999537652	1.2981566449

gene_expression_table

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-1.1014485384	0.6525217147	0.9999537652	1.1734590987
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1.4597150658	0.0606350298	0.9999537652	1.5993323501
0	0	0	4.9567375629
-1.068706652	0.718524576	0.9999537652	1.0860494603
1.6826048407	0.2145934198	0.9999537652	1.2014173431
1.3374001555	0.2433790531	0.9999537652	-1.0718400703
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1.3025872973	0.7465578565	0.9999537652	-1.6601216613
1.1016605519	0.6212140596	0.9999537652	1.1022734496
1.1599572917	0.6982256017	0.9999537652	-1.0428302909
1.0088184708	0.9752998498	0.9999537652	-1.14709072
2.7933974408	0.6948713406	0.9999537652	0
-2.1275749471	0.3790741644	0.9999537652	1.5181428274
1.6158500465	0.0416262393	0.9999537652	1.3404073402
-1.0201114532	0.9023577941	0.9999537652	-1.0218252842
-2.1645000652	0.0641189666	0.9999537652	1.7057482666
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0	0	0	4.048242769
2.2176218575	0.1893310212	0.9999537652	-1.0896495823
-1.7123365171	0.120720105	0.9999537652	-1.7662436608
2.3950619229	0.0506639864	0.9999537652	1.0843294558
-1.1034081465	0.7203818659	0.9999537652	1.1685706957
0	0	0	1.4521160839
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1.0520335119	0.8321579136	0.9999537652	1.3516959922
1.010772682	0.9866084536	0.9999537652	-1.6806212191
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-1.1563128528	0.5087571193	0.9999537652	1.2893508596
1.0375432383	0.967468043	0.9999537652	1.0149761046
1.2519085621	0.5730684305	0.9999537652	1.2281292061
1.4536812284	0.0380408905	0.9999537652	1.0904750919
1.122949656	0.5676134548	0.9999537652	1.2794108582
-1.1181108671	0.6405192867	0.9999537652	-1.0020865701
-1.0862647357	0.6929761604	0.9999537652	1.1219709539
1.0248273979	0.8698455441	0.9999537652	-1.0420899896
1.0140672623	0.9495446152	0.9999537652	-1.0645575112
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9.8205505243	0.3808389089	0.9999537652	0
0	0	0	14.7271569203
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9.8288704632	0.3801645309	0.9999537652	-1.5231115313
1.0580157395	0.8332065448	0.9999537652	1.4956275721
1.1726872759	0.6624370035	0.9999537652	1.144168923

gene_expression_table

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1.2014766201	0.4653826523	0.9999537652	1.3119257997
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1.221084889	0.2433360042	0.9999537652	1.2255914072
1.790983262	0.5810154013	0.9999537652	1.6031258163
-1.115172402	0.4822504437	0.9999537652	-1.1293715415
1.2406045165	0.314761841	0.9999537652	1.3716954177
1.0897697681	0.6282163481	0.9999537652	1.2166761858
1.0796615964	0.7462807995	0.9999537652	-1.2041599944
1.0787918696	0.7468563173	0.9999537652	1.2528440139
-1.3373886055	0.6533220837	0.9999537652	-1.1154666261
-1.2099276495	0.4450813128	0.9999537652	1.3028914884
1.6970882876	0.00214	0.9999537652	1.6598573373
1.2642861534	0.1719467817	0.9999537652	1.1760239978
-1.0497044992	0.8161384067	0.9999537652	-1.0956264652
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1.3804849695	0.5835847231	0.9999537652	-1.5871952362
-1.9204725526	0.2581709262	0.9999537652	2.0108391727
9.8205505243	0.3808387647	0.9999537652	-15.1852849638
-1.4446620174	0.3865038973	0.9999537652	-1.0357939207
1.3559615247	0.5271371005	0.9999537652	1.7397737319
-1.2408513535	0.4696579109	0.9999537652	1.1942738533
1.0158675054	0.9430582274	0.9999537652	1.136827562
1.8455489546	0.5921428704	0.9999537652	-1.0913262364
-1.3680392696	0.7427855011	0.9999537652	-4.3763505365
-1.1948629276	0.4760149092	0.9999537652	1.052206256
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2.7933974408	0.6948713406	0.9999537652	8.8700459102
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1.2130196921	0.1608944659	0.9999537652	-1.0140759481
29.1226294179	0.1908174588	0.9999537652	1.1534465819
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-1.0794237853	0.5959415775	0.9999537652	1.2048665088
-1.714960605	0.2395394467	0.9999537652	1.0655248182
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1.0892577239	0.8827742006	0.9999537652	1.2519252348
3.2124200058	0.1554806876	0.9999537652	-1.7615977248
-1.2636266608	0.0897353188	0.9999537652	1.0199796051
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1.2537728225	0.817040096	0.9999537652	2.8014102743
4.5505976667	0.5574276376	0.9999537652	-1.1606221547
1.0597806836	0.7574972691	0.9999537652	-1.1429791198
1.2734725309	0.1879772344	0.9999537652	1.2781978555
1.412667931	0.2690367016	0.9999537652	1.0380307731

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	-2.6915507987
-1.0438861455	0.9233280057	0.9999537652	1.5377922323
2.9454946803	0.2263687608	0.9999537652	-1.1978482939
-1.0175223485	0.9346644876	0.9999537652	1.0728472883
1.8005303146	0.4603884802	0.9999537652	1.3007017019
2.7933974408	0.6948713406	0.9999537652	6.908559683
1.2550639593	0.3156236213	0.9999537652	1.3922420879
1.3912288555	0.4889987277	0.9999537652	1.2307849316
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-1.1718367359	0.5194161077	0.9999537652	1.3592049979
4.5505976667	0.5573644116	0.9999537652	0
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-1.3124071691	0.159373337	0.9999537652	-1.055219354
1.1245174259	0.5218494635	0.9999537652	1.0624286957
-1.0505312761	0.8532306115	0.9999537652	1.2520490625
1.1177795791	0.493950889	0.9999537652	1.226161162
1.1764408742	0.7468931854	0.9999537652	1.4532048688
1.2075578353	0.5581308423	0.9999537652	1.201183604
8.064174035	0.423894446	0.9999537652	-2.1297401315
-4.3180711894	0.1823926288	0.9999537652	2.6434024479
-1.9371601608	0.4342629151	0.9999537652	-1.7730044157
1.2661052625	0.3295038039	0.9999537652	1.0461907738
1.2611184766	0.4857720203	0.9999537652	-1.0341266844
-1.2687815271	0.7062232209	0.9999537652	1.0602346496
1.0631140495	0.6036503397	0.9999537652	1.1206146427
1.2078834908	0.2333369125	0.9999537652	1.5402573373
1.0038742847	0.9880852996	0.9999537652	1.2589181996
2.3315363418	0.4564183025	0.9999537652	-2.9984907247
23.2549975817	8.81E-12	4.74E-07	14.1962620371
-1.2303138128	0.3440796534	0.9999537652	1.3216696079
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1.0365898415	0.912901337	0.9999537652	1.2575504785
1.3482326958	0.1306069852	0.9999537652	1.2646827089
-1.0411631314	0.7130224907	0.9999537652	1.1009305386
1.2894344649	0.7055208293	0.9999537652	-1.0719017482
1.3911022238	0.052133966	0.9999537652	1.205545871
1.2724276903	0.5123459585	0.9999537652	1.2165655949
0	0	0	8.8639046058
-1.2239085157	0.0746252929	0.9999537652	1.0048988569
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1.1529839918	0.5288032838	0.9999537652	1.0918123237
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1.068973822	0.8596566038	0.9999537652	-1.252720257
1.6191925625	0.1643804894	0.9999537652	1.6097966628
1.5101534214	0.2108339425	0.9999537652	1.0697537821
3.2874587288	0.0700612812	0.9999537652	1.7034812636
20.3875267508	0.2406688262	0.9999537652	-1.9046013323

gene_expression_table

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1.725353503	0.3636004044	0.9999537652	-1.7244260891
1.000233608	0.999359058	0.9999537652	1.5114386081
1.0555534884	0.8090891909	0.9999537652	1.0957379155
0	0	0	1.2587294573
1.2137459782	0.4037685777	0.9999537652	1.2762699538
-1.8867485977	0.0377061994	0.9999537652	1.1033222553
2.1669248089	0.3744490528	0.9999537652	2.585368765
0	0	0	16.7037438866
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.1100297124	0.5741887904	0.9999537652	1.2194962493
1.1162834585	0.927170544	0.9999537652	5.3031285132
-1.5487724841	0.4732183263	0.9999537652	-1.3233173658
2.6669428532	0.1713276099	0.9999537652	-1.0489576146
-1.1458534393	0.5523751271	0.9999537652	1.0259801231
-1.172755391	0.8035177642	0.9999537652	-1.022317512
0	0	0	-13.9030117058
-1.2736522378	0.5225162932	0.9999537652	-1.1146097401
-2.9548384089	0.3317107331	0.9999537652	1.0009299851
1.6064145452	0.0519553099	0.9999537652	1.4298725333
-1.0197053463	0.9147021669	0.9999537652	-1.0569142754
0	0	0	1.5932034817
1.2626610726	0.558966444	0.9999537652	2.1141100707
1.1930586531	0.349163639	0.9999537652	1.1882020292
1.4551284208	0.4274154188	0.9999537652	2.1559839166
1.6443787287	0.2073011806	0.9999537652	1.2424369576
1.2385263514	0.773184025	0.9999537652	1.1741127097
1.4462436411	0.0402867675	0.9999537652	1.2474923818
-1.1831553223	0.6571225578	0.9999537652	1.0557707978
1.1172647827	0.9265701192	0.9999537652	-2.549728253
-1.1625448402	0.511822214	0.9999537652	1.3761837342
-1.8940726907	0.1684731647	0.9999537652	-1.1336296567
-1.1880616166	0.4344902106	0.9999537652	1.2034913241
-1.0118462754	0.9614286429	0.9999537652	1.068901338
1.1158583321	0.9296908682	0.9999537652	10.818785458
-1.0117844224	0.9525671991	0.9999537652	1.0414976458
-1.0570999302	0.7677317076	0.9999537652	1.3488766665
1.4533569907	0.2610890653	0.9999537652	1.5760573592
1.0692681437	0.6416608804	0.9999537652	-1.0917727204
1.1253337357	0.5284151147	0.9999537652	1.1919489117
-1.3368462221	0.2179361397	0.9999537652	1.2961450191
1.0716600511	0.6308363791	0.9999537652	1.3341437171
-1.82919341	0.1679343834	0.9999537652	-1.1008827529
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1.3600088454	0.794960303	0.9999537652	-2.1774581292
-1.0995721568	0.701073456	0.9999537652	1.2509746019
2.4133372013	0.2012359494	0.9999537652	-1.0396253615
1.6709396412	0.4771291076	0.9999537652	-1.140745521
-1.1168880873	0.647764417	0.9999537652	1.0386585445

gene_expression_table

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1.6180171572	0.2244162569	0.9999537652	1.8461714854
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-1.4579253281	0.2242832179	0.9999537652	-2.9273712752
1.1174132796	0.610350854	0.9999537652	2.1215282689
1.1566874978	0.4612140025	0.9999537652	1.3585124789
1.1001378475	0.5630071992	0.9999537652	1.1094847396
0	0	0	-1.8594983184
1.2969713468	0.0388403627	0.9999537652	1.3938865503
1.046546455	0.8087380518	0.9999537652	1.6214163674
-2.7962024446	0.1324034876	0.9999537652	-1.0364027614
1.3864061192	0.0122430718	0.9999537652	1.0257783546
1.1437875311	0.6676054201	0.9999537652	1.2695698098
1.2007224403	0.2953454688	0.9999537652	-1.002306183
-1.0016946171	0.9957930074	0.9999537652	1.402481867
4.5505976667	0.5572989648	0.9999537652	4.9527501949
-1.2671957211	0.3881923883	0.9999537652	1.7495193904
3.8622037496	0.6197991502	0.9999537652	-5.3583704783
0	0	0	9.7116702472
1.240772164	0.2341844335	0.9999537652	1.2365655841
3.0589901989	0.3339458584	0.9999537652	-2.0201197513
2.7933974408	0.6948713406	0.9999537652	0
-1.3156526862	0.3059800019	0.9999537652	-1.1737729783
1.4314051501	0.1437222088	0.9999537652	1.2009705444
0	0	0	4.9527501949
1.0943928865	0.7395724313	0.9999537652	-1.239640147
0	0	0	6.9133480437
1.5353475041	0.002633	0.9999537652	-1.1328500552
-1.6652083331	0.0746765145	0.9999537652	1.2265076099
6.3075231393	0.4866978291	0.9999537652	-5.3608259368
1.1576311514	0.4255179187	0.9999537652	1.3419675087
-1.4922515188	0.4388240763	0.9999537652	1.2757385288
-1.1544072534	0.6168554253	0.9999537652	1.403195266
-1.4027130419	0.121962089	0.9999537652	1.1696068105
0	0	0	2.996475627
-1.0810826794	0.4886952822	0.9999537652	-1.1803354873
-1.0315208323	0.8827043884	0.9999537652	1.1297417728
-1.1873835869	0.4532487137	0.9999537652	1.0115470235
-1.007641984	0.9705733442	0.9999537652	1.2320200731
1.8528871235	0.623566799	0.9999537652	-1.3005386984
0	0	0	2.996475627
-1.4103611906	0.2448005634	0.9999537652	-1.236048459
1.2617955178	0.5675397955	0.9999537652	-1.2915690998
-1.113103362	0.7164743959	0.9999537652	1.0758616108
1.0105618114	0.9709214026	0.9999537652	1.3654235692
0	0	0	4.9527501949
1.7196588555	0.3209604026	0.9999537652	1.3337261284
0	0	0	42.778784484
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gene_expression_table

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-1.2155057891	0.4364392793	0.9999537652	-1.0474323635
-1.0809529152	0.7523951116	0.9999537652	1.1290111144
1.1652657636	0.4491461466	0.9999537652	-1.0343391894
-1.1000310811	0.6125337027	0.9999537652	1.0398383468
-1.0880283862	0.6225071869	0.9999537652	-1.0281557023
0	0	0	2.996475627
1.0570167493	0.6589692863	0.9999537652	1.0624738029
-1.0625134934	0.6798114583	0.9999537652	-1.042159486
3.0361007025	0.0585367725	0.9999537652	-1.4198061614
1.0956682475	0.5923060717	0.9999537652	1.147316181
-1.1894823918	0.4803817728	0.9999537652	1.0131404587
-1.0342567252	0.9028969232	0.9999537652	-1.2650080359
-1.2504331937	0.3411905857	0.9999537652	1.1039507496
1.0483321523	0.8504863069	0.9999537652	1.1162593019
1.4809743415	0.0272652229	0.9999537652	1.2361365672
1.0031854705	0.9842674442	0.9999537652	1.2744221307
1.1078305751	0.6232202496	0.9999537652	1.377938166
-1.0881705995	0.6354225458	0.9999537652	-1.0461723246
-1.0507575627	0.7279786309	0.9999537652	-1.1869734717
-1.3728063405	0.5755811112	0.9999537652	-1.1294728419
-1.0678530174	0.7910048701	0.9999537652	-1.2475589188
-1.3666809895	0.5073919575	0.9999537652	-1.0372370362
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0	0	0	8.8639046058
4.7592049098	0.1553248345	0.9999537652	-1.3639210451
2.7933974408	0.6948713406	0.9999537652	2.9985540909
-2.0529408058	0.0006611	0.9999537652	-1.0956770117
1.2302735751	0.7079163224	0.9999537652	-1.2458876685
11.5766527773	0.3455506293	0.9999537652	-1.8005840097
-1.1117907406	0.4249044388	0.9999537652	-1.0507437192
2.2973669506	0.3345846111	0.9999537652	-1.0867028168
-2.6954260115	0.0133172062	0.9999537652	1.1467439722
1.3836650888	0.3222165281	0.9999537652	-1.030170223
0	0	0	-2.0489010529
1.0761798764	0.7225600451	0.9999537652	1.0617376153
-1.185328559	0.5965075092	0.9999537652	-1.1159401933
1.0464340592	0.8311958812	0.9999537652	-1.2188554536
0	0	0	2.9988886918
1.7184007083	0.1276413844	0.9999537652	-1.3921181425
1.5402932757	0.0725975952	0.9999537652	1.0300175353
1.2078168898	0.6058998415	0.9999537652	-1.1431917398
1.3558346831	0.3360136566	0.9999537652	-1.6302697327
1.0848119754	0.5892831947	0.9999537652	1.5590080317
1.1157762506	0.4500693975	0.9999537652	-1.0939329145
1.1840269212	0.4406232453	0.9999537652	1.0390981295
1.0264851248	0.9163896212	0.9999537652	-1.0022600174

gene_expression_table

1.0180392536	0.8924319417	0.9999537652	1.2515340388
-1.3482051264	0.3390167359	0.9999537652	1.2090345282
1.047189223	0.8474981941	0.9999537652	1.5603054901
1.1929843318	0.7247799011	0.9999537652	-1.7983697847
1.0781067776	0.9185802503	0.9999537652	1.0454933714
2.9544506384	0.2198890622	0.9999537652	-1.0152221464
25.6156185703	0.2096755115	0.9999537652	2.6430925766
1.1352263809	0.5985792834	0.9999537652	-1.0595678782
-1.0644133438	0.6339380818	0.9999537652	1.1460701641
1.1365971553	0.4154548489	0.9999537652	-1.3521778748
9.8205505243	0.3808386205	0.9999537652	1.2398837679
-1.3697196358	0.7436289251	0.9999537652	-4.813150031
1.0967951028	0.6504743755	0.9999537652	-1.0302140091
2.3879510836	0.1223916363	0.9999537652	-1.2265242384
1.4938176592	0.5512187069	0.9999537652	1.2229210119
1.4042366201	0.0697548182	0.9999537652	1.1767129854
1.8682428625	0.0301557381	0.9999537652	1.2911772256
-1.135518731	0.4414149602	0.9999537652	1.0295811709
1.0944887125	0.9047793702	0.9999537652	-1.5497287574
1.3713640768	0.3651222943	0.9999537652	-1.0589411484
1.4179537639	0.285991108	0.9999537652	-1.2147376262
1.6441361883	0.5983009715	0.9999537652	-1.5124381096
1.4581319152	0.1044767013	0.9999537652	-1.2403745322
1.4007280226	0.5493936643	0.9999537652	-1.3259396095
23.9020991723	0.2167736487	0.9999537652	1.2408886006
-1.1979104008	0.2496866858	0.9999537652	-1.0068689533
1.0206413031	0.9183163186	0.9999537652	-1.0318383234
1.4862234682	0.2813589782	0.9999537652	-1.4173314434
-1.1276934383	0.7214944388	0.9999537652	1.295020922
-1.0495316972	0.8624702881	0.9999537652	-1.2547138577
-1.3578642254	0.411711825	0.9999537652	-1.101386667
-1.1319652264	0.4393482736	0.9999537652	-1.1880943607
0	0	0	2.9985540909
-9.2619917135	0.0528587024	0.9999537652	1.0384669137
2.7933974408	0.6948713406	0.9999537652	0
6.3075231393	0.4866537428	0.9999537652	0
0	0	0	2.996475627
0	0	0	15.7262184124
-1.5875118025	0.7207598535	0.9999537652	0
-1.0572952983	0.7606357168	0.9999537652	-1.0932825359
0	0	0	14.7271569203
8.064174035	0.4238931132	0.9999537652	-9.7542681481
17.3472938331	0.2975186309	0.9999537652	20.5862458385
-2.5838710423	0.5188035227	0.9999537652	52.5265523658
-1.4746252544	0.0166083758	0.9999537652	-1.4023610203
-1.1110347733	0.5816380193	0.9999537652	-1.453449175
-1.2153250435	0.7039222965	0.9999537652	1.2194341811
3.0807666776	0.1934544642	0.9999537652	-1.7929361642
-1.9485415231	0.1182328296	0.9999537652	-1.2727247161

gene_expression_table

1.1128591252	0.5877177857	0.9999537652	-1.1435111005
-1.1744040886	0.7846187136	0.9999537652	1.088442107
1.1225773715	0.6163209519	0.9999537652	1.3237792469
1.2473794605	0.1596811256	0.9999537652	-1.3766318986
1.4088786693	0.0277483684	0.9999537652	1.0919926119
9.8205505243	0.3808384762	0.9999537652	-1.1428585529
2.7933974408	0.6948713406	0.9999537652	0
1.0230073464	0.9178722265	0.9999537652	-1.1438602843
1.4986288452	0.0336209611	0.9999537652	1.0040404844
1.2836725962	0.2051284299	0.9999537652	1.2947317965
-1.5875118025	0.7207879709	0.9999537652	1.9445739043
0	0	0	4.9567375629
6.3075231393	0.4866097571	0.9999537652	0
-1.6674095463	0.6215916509	0.9999537652	1.2593062028
-1.2010889248	0.2018095525	0.9999537652	-1.020603936
-1.1576191994	0.5166553177	0.9999537652	1.1346327327
-1.0706122399	0.6286314075	0.9999537652	1.1081851589
2.464775932	0.241721847	0.9999537652	-2.1246849375
37.88539235	0.1565225563	0.9999537652	-1.0279151802
2.7957660672	0.7054338742	0.9999537652	0
0	0	0	4.9527501949
-1.0230767376	0.9402903993	0.9999537652	1.2030700015
2.7933974408	0.6948713406	0.9999537652	-1.859280336
1.0341241413	0.9263340948	0.9999537652	-1.0179158912
1.0475771934	0.8254654265	0.9999537652	-1.0323515718
1.2619027659	0.3281694584	0.9999537652	-1.1421431227
11.5962805185	0.3474878338	0.9999537652	4.3982723415
1.0505987295	0.7806694734	0.9999537652	1.1810618133
6.3075231393	0.4865658718	0.9999537652	-2.9687025352
-1.630148962	0.0793599071	0.9999537652	1.285164444
1.603855737	0.6771202434	0.9999537652	2.989954611
-1.1428820038	0.4799547132	0.9999537652	1.2856926805
1.3982968057	0.6380473753	0.9999537652	3.6032308871
-1.0989390372	0.775979211	0.9999537652	1.1572726584
1.045801626	0.7163432158	0.9999537652	1.092421817
0	0	0	2.996475627
0	0	0	9.7116702472
0	0	0	8.8639046058
-1.4834522794	0.1602756224	0.9999537652	-1.0449047584
1.4915752377	0.1893045585	0.9999537652	-1.2791983259
1.201660483	0.1197035248	0.9999537652	-1.2582723471
1.307662308	0.0558844005	0.9999537652	-1.3214829101
0	0	0	12.7820459093
1.2651060306	0.2042493533	0.9999537652	1.3260780833
-1.8798796919	0.0239084044	0.9999537652	-1.0300176988
1.1812966876	0.3464581067	0.9999537652	1.1330419982
2.7933974408	0.6948713406	0.9999537652	1.5908108123
2.7933974408	0.6948713406	0.9999537652	23.4460379037
-1.2007127004	0.3525953124	0.9999537652	-1.1333660957

gene_expression_table

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1.2620379849	0.1983927198	0.9999537652	-1.1218436865
11.5766527773	0.34554149	0.9999537652	-5.3583704783
-1.0000124842	0.9999510716	0.9999537652	-1.1128095414
8.064174035	0.4238917803	0.9999537652	1.2593062028
1.3686888135	0.4442228891	0.9999537652	-1.6615004578
0	0	0	16.7056146828
1.1088986585	0.5971083209	0.9999537652	-1.0685185035
1.0632552373	0.7138776134	0.9999537652	1.1009716393
4.5505976667	0.5572295569	0.9999537652	1.9418822056
-1.5927776507	0.3470359586	0.9999537652	1.5473527806
-1.5978100653	0.1624820466	0.9999537652	-1.1312478619
1.015233579	0.955898366	0.9999537652	-1.3752204598
-1.1715242538	0.4957059291	0.9999537652	1.1041800899
-1.0671475729	0.6081123672	0.9999537652	1.0009250626
2.5214230046	0.0226527795	0.9999537652	2.6015290694
1.1203602583	0.6278355195	0.9999537652	1.2627491082
1.1087202775	0.7312191126	0.9999537652	1.2586670818
1.163807901	0.4023228062	0.9999537652	-1.0688480653
-1.6526009432	0.4830169255	0.9999537652	-1.9650340611
6.3128691894	0.4816632907	0.9999537652	-2.0465436769
0	0	0	4.9527501949
11.5864583426	0.3448799196	0.9999537652	-1.4287688341
-1.9021571549	0.2382410969	0.9999537652	1.1629965089
-1.2400178896	0.2582180547	0.9999537652	1.0399748301
8.064174035	0.4238904473	0.9999537652	0
1.1173386658	0.6113111419	0.9999537652	-1.2945052945
1.2479835075	0.5600170758	0.9999537652	-1.0562313793
-1.2981663134	0.1785567034	0.9999537652	1.4605405247
7.4603922969	0.0630497486	0.9999537652	1.5522360599
-1.1066390797	0.5924795738	0.9999537652	-1.0577386521
1.2843183796	0.2721112948	0.9999537652	1.9177846405
-1.413531519	0.0513771193	0.9999537652	-1.3539224495
1.0876776269	0.6430444424	0.9999537652	-1.2570679864
-1.2706465183	0.2259442406	0.9999537652	1.0247510359
0	0	0	-2.3124617434
-1.0094167007	0.9589879991	0.9999537652	-1.0036945121
1.5136569565	0.6634036298	0.9999537652	5.4963641385
-1.2272463128	0.3017957955	0.9999537652	1.0125876117
1.6850765316	0.0005041	0.9999537652	1.1868317555
-1.5875118025	0.7206984509	0.9999537652	1.4531133406
0	0	0	12.7732027325
-1.0237695497	0.8785019532	0.9999537652	1.3786817672
-1.2462090013	0.2460552055	0.9999537652	1.1639645484
1.201227144	0.4184330786	0.9999537652	-1.0581579587
-1.1270573621	0.5848386097	0.9999537652	-1.0162217574
2.8162992884	0.366711651	0.9999537652	1.0674845818
1.0192274061	0.9277706475	0.9999537652	-1.1806977151
1.9330108539	0.0469266979	0.9999537652	-1.0139243548

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	8.8639046058
1.2192329692	0.284085464	0.9999537652	-1.0561222345
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3.1790945967	0.1208827335	0.9999537652	1.3604797255
-1.1110973787	0.5364931328	0.9999537652	1.1212896775
3.5458425332	0.2611345469	0.9999537652	-1.1360245985
1.0145797596	0.9783905603	0.9999537652	-1.0770459476
-1.1457555741	0.9107279124	0.9999537652	9.7116702472
1.0459648406	0.7030373068	0.9999537652	1.1630923518
4.5505976667	0.5571525373	0.9999537652	-1.8588429871
1.1217075242	0.5961942016	0.9999537652	1.3662981026
1.0987495796	0.6044009343	0.9999537652	-1.0639913339
-1.0085355311	0.9930286747	0.9999537652	3.7005872492
-1.4207399578	0.2102207842	0.9999537652	-1.1876845416
1.1533888548	0.7389699071	0.9999537652	1.0699633757
-1.1734800276	0.2544550374	0.9999537652	-1.1307002395
-5.2162291127	0.0147190029	0.9999537652	1.9764541971
1.049812312	0.8279994571	0.9999537652	1.2087333127
1.0033015556	0.9846064691	0.9999537652	1.0435541647
1.04645314	0.7796204264	0.9999537652	-1.0329867966
1.5614767778	0.4210866863	0.9999537652	-1.5770365571
1.5920970871	0.1660608162	0.9999537652	1.0532462097
9.8205505243	0.3808383319	0.9999537652	2.996475627
1.1795618635	0.551770623	0.9999537652	1.0779819142
-1.0362977598	0.9298507188	0.9999537652	-1.6083927275
4.5505976667	0.5570582932	0.9999537652	0
1.0786153018	0.6993284315	0.9999537652	1.1694072278
-1.0960753358	0.7575774429	0.9999537652	-1.0923038235
-3.3110661094	0.2931365506	0.9999537652	1.135404339
1.1119531472	0.6248940358	0.9999537652	1.3089997572
2.7933974408	0.6948713406	0.9999537652	0
1.0773205754	0.8153941806	0.9999537652	1.0136158815
-1.111148269	0.6671250447	0.9999537652	-1.0299332478
2.3790091494	0.2089509541	0.9999537652	1.7988939724
-1.1501724092	0.3240144388	0.9999537652	-1.0919011508
1.2991018857	0.088124634	0.9999537652	1.1488115036
-1.167348377	0.498502891	0.9999537652	-2.036936333
1.1743582038	0.5442372801	0.9999537652	-1.0861035764
-1.4092459178	0.1491112736	0.9999537652	1.0547377881
1.643510367	0.5932005263	0.9999537652	6.1502733747
0	0	0	0
1.2794027342	0.3245397678	0.9999537652	-1.3635732
-2.5006943961	0.2204003117	0.9999537652	-1.0787540783
1.5561082845	0.4495036593	0.9999537652	-2.2662643201
-1.336888917	0.344325085	0.9999537652	1.0476271914
1.1921859122	0.6162769501	0.9999537652	-1.0834843518
0	0	0	1.2400291296
1.262522021	0.3584304408	0.9999537652	1.115410668
1.2214173095	0.3886719093	0.9999537652	-1.0599570888

gene_expression_table

1.1321960974	0.3384355703	0.9999537652	-1.0937456196
1.1228908358	0.7092998575	0.9999537652	1.1732317338
-1.0263983145	0.8419186948	0.9999537652	-1.2779217837
-2.0029042714	0.0148460932	0.9999537652	-1.4008374892
0	0	0	1.6447327969
1.5281694116	0.148045007	0.9999537652	-1.3052482672
1.0266084653	0.8864352549	0.9999537652	-1.450069903
1.2895507939	0.370531601	0.9999537652	-1.0779759069
-1.0640418707	0.8208771626	0.9999537652	-1.3361678085
1.2877273268	0.5595665879	0.9999537652	1.1449820521
-1.1690605878	0.4282251654	0.9999537652	-1.0088598524
1.1618755293	0.5070219505	0.9999537652	-1.5060201569
-1.3910428484	0.548974263	0.9999537652	-1.2615639262
-1.1121733088	0.3779759811	0.9999537652	-1.3383494434
-1.1560239903	0.5337387881	0.9999537652	-1.0206054289
-4.9246171726	0.0160367423	0.9999537652	1.1283576093
8.064174035	0.4238891141	0.9999537652	-5.2664224014
1.2004471468	0.6384308557	0.9999537652	-1.7754312169
1.0119907617	0.9299615634	0.9999537652	1.0054194995
1.0851757923	0.6166899583	0.9999537652	1.1959947667
1.4005015264	0.4156323712	0.9999537652	-1.2504232996
-1.0309904128	0.9164295386	0.9999537652	-1.0464917544
-1.1020098136	0.7842688625	0.9999537652	1.3825778496
0	0	0	0
1.2435605641	0.7150506791	0.9999537652	-1.4391975388
13.3324809638	0.318861735	0.9999537652	2.0162086657
0	0	0	8.8639046058
-2.0444867044	0.2889852069	0.9999537652	-1.0829866837
-1.1615046801	0.4666954903	0.9999537652	-1.1340186059
1.0723185921	0.5797536219	0.9999537652	1.0738192242
1.0893016951	0.5287689342	0.9999537652	-1.0708010149
-1.1363553669	0.5655825258	0.9999537652	1.0074689419
-1.1619421561	0.8738173294	0.9999537652	1.3826538357
1.0285359703	0.8265079464	0.9999537652	-1.0654882021
-1.0128933798	0.9184869252	0.9999537652	-1.0514476481
-3.2135835145	0.1883770604	0.9999537652	1.336777274
-1.0221660434	0.9018416527	0.9999537652	-1.4393627314
-1.0318248652	0.8976434066	0.9999537652	1.494926664
-1.0532227046	0.8370985413	0.9999537652	1.087661788
-1.2755405754	0.1657315287	0.9999537652	1.0310755018
1.0682731901	0.6530677214	0.9999537652	1.032892103
1.0993426524	0.7609479835	0.9999537652	1.0669598816
2.6861488177	0.2572639209	0.9999537652	1.6021060248
8.064174035	0.4238877808	0.9999537652	-3.382249888
0	0	0	2.996475627
-1.0427325085	0.9275374657	0.9999537652	1.4517793168
-1.3061638095	0.4139376104	0.9999537652	1.2304521604
1.1659257209	0.1768059953	0.9999537652	1.1759280256
-1.2901514672	0.6027253403	0.9999537652	-1.1292156252

gene_expression_table

0	0	0	0
1.3035690226	0.1877054737	0.9999537652	-1.0582720996
0	0	0	2.996475627
-1.1187955526	0.6207354082	0.9999537652	-1.1868304815
-6.9736190158	0.2250321147	0.9999537652	8.8700459102
1.1184618766	0.4695960748	0.9999537652	-1.0067434559
-1.0825658782	0.6483631256	0.9999537652	-1.1612836244
1.385663464	0.7405957135	0.9999537652	1.5337599584
-1.1502575669	0.464086414	0.9999537652	1.0745711763
1.0079681429	0.9480144504	0.9999537652	1.0960060476
-6.9764533263	0.2591527081	0.9999537652	2.996475627
-1.1075853887	0.6403206776	0.9999537652	-1.0314963485
-1.190013612	0.4069965635	0.9999537652	-1.0209271148
-1.2078453842	0.4229067126	0.9999537652	-1.0826481551
2.637098445	0.0966374395	0.9999537652	-1.1202893487
1.097906629	0.6663708067	0.9999537652	-1.2134214314
1.3061023617	0.0952456961	0.9999537652	1.1627686083
-1.0158729707	0.9157053863	0.9999537652	1.2937215116
0	0	0	4.9527501949
0	0	0	-1.4683576122
-1.1981038122	0.3166691958	0.9999537652	1.0628253109
-1.0048017054	0.982109323	0.9999537652	-1.1171765848
1.1514532867	0.6458006393	0.9999537652	1.4168598407
-1.2115650054	0.3060469981	0.9999537652	-1.1804667828
-1.2101335528	0.3904605532	0.9999537652	-1.3684132159
-1.3222955607	0.5926978433	0.9999537652	-1.0725053996
1.1071458299	0.6334904392	0.9999537652	1.2634355722
-1.1030068143	0.4911369511	0.9999537652	-1.028598447
-1.9998864941	0.2337115107	0.9999537652	-1.8579406165
1.0353919069	0.8747778288	0.9999537652	-1.0980714093
-1.0127004261	0.9578286179	0.9999537652	1.1584793983
-1.0720413622	0.7359160667	0.9999537652	1.0956177841
1.5410453821	0.1325034642	0.9999537652	1.460984529
-1.4200868943	0.064751511	0.9999537652	1.0060084609
1.2252048389	0.5931262283	0.9999537652	1.0759551413
9.8205505243	0.3808381876	0.9999537652	-1.3598304575
2.1456333787	0.2686698026	0.9999537652	-1.5553070134
1.6032957979	0.6856291136	0.9999537652	-3.8938703542
1.0339032799	0.8858133141	0.9999537652	2.0909603275
1.0053488917	0.9763241364	0.9999537652	1.1386988599
-1.0071406522	0.9646468584	0.9999537652	1.1093031277
1.5094197345	0.5421031518	0.9999537652	-1.051661731
8.0712632467	0.4228070877	0.9999537652	6.8557843057
1.1194713798	0.6182158685	0.9999537652	-1.352185903
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30.9018162087	0.1808244771	0.9999537652	2.4624880301
1.1686731033	0.7287411549	0.9999537652	-1.2070914674
-1.668764792	0.6524660488	0.9999537652	1.9418822056

gene_expression_table

-1.0160612632	0.9727557129	0.9999537652	1.2135193374
-2.9254107669	0.0742978173	0.9999537652	2.2865482986
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1.4498325328	0.2114994516	0.9999537652	1.205209037
-1.0921302295	0.6916131318	0.9999537652	-1.237865632
-1.2130208078	0.5486735336	0.9999537652	-1.1307495516
1.0605394327	0.6843551447	0.9999537652	1.5063914963
-1.0197299234	0.9592503149	0.9999537652	1.166233864
1.0381523107	0.8948682286	0.9999537652	1.2214458812
-1.2493308946	0.3030913026	0.9999537652	-1.303419522
-1.1086614441	0.4970131044	0.9999537652	-1.3218553704
1.0188456169	0.9222381186	0.9999537652	1.0250114612
1.3590871487	0.2067824681	0.9999537652	-1.2863860476
-1.0278977896	0.9389399672	0.9999537652	-1.0124132194
-1.37106644	0.1813753108	0.9999537652	1.0510366557
6.3075231393	0.4865220867	0.9999537652	1.2591586474
1.0709594809	0.8759281669	0.9999537652	1.0841218071
1.0789024281	0.6299049109	0.9999537652	1.1806563242
-1.2232107561	0.5290477151	0.9999537652	1.0471119896
-1.3527263764	0.264584807	0.9999537652	1.1800981769
1.0863825424	0.5263542355	0.9999537652	1.4996420382
-1.1279436419	0.6584387789	0.9999537652	1.058339823
-1.0080753521	0.9707702803	0.9999537652	1.1899518177
-1.2746918797	0.3149053553	0.9999537652	1.2959766283
-1.0365821876	0.8703971439	0.9999537652	-1.0756392781
1.5283877156	0.2078925759	0.9999537652	-1.0404628629
9.8205505243	0.3808380432	0.9999537652	-1.6435965623
-1.0837489199	0.7239104456	0.9999537652	1.0552917305
0	0	0	3.6255745018
-1.0536697353	0.7787692181	0.9999537652	1.2410901277
1.185023511	0.3644652508	0.9999537652	1.2016746579
1.065339183	0.7452987136	0.9999537652	-1.0636268881
-1.0466247305	0.7675908831	0.9999537652	1.2325282921
-2.4086999574	0.2737576869	0.9999537652	5.8001127949
-1.5423955481	0.328942826	0.9999537652	1.1192883622
0	0	0	4.9527501949
1.586170423	0.2209403175	0.9999537652	-1.0154949376
0	0	0	-5.3608259368
6.3130691196	0.4797905908	0.9999537652	10.818785458
0	0	0	12.7820459093
4.7573924101	0.1600870481	0.9999537652	4.9561842702
-12.9852817769	0.1147570896	0.9999537652	0
-1.1722807207	0.8571676859	0.9999537652	20.5862458385
1.1632726083	0.5051878508	0.9999537652	-1.2447273879
-1.1888187072	0.2580843085	0.9999537652	-1.374663208
2.7933974408	0.6948713406	0.9999537652	2.9985540909
-6.9736190158	0.2250321147	0.9999537652	4.9527501949
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gene_expression_table

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0	0	0	0
0	0	0	2.9985540909
3.2403799754	0.0189785748	0.9999537652	1.7597763749
-6.9736190158	0.2250321147	0.9999537652	6.908559683
2.0896001704	0.5218039645	0.9999537652	2.9985540909
9.8205505243	0.3808108655	0.9999537652	14.7271569203
1.4997369472	0.3164335185	0.9999537652	1.009365708
-2.2367676968	0.3913890677	0.9999537652	1.3152290032
3.2652031108	0.1135577923	0.9999537652	1.0201618369
1.3282415411	0.7111199514	0.9999537652	-1.6830699048
-1.5731601222	0.128622098	0.9999537652	1.4198708893
1.2785460571	0.2288957227	0.9999537652	1.0019917518
1.5513190246	0.003117	0.9999537652	1.1317263111
2.7933974408	0.6948713406	0.9999537652	9.7116702472
0	0	0	2.996475627
-2.956038745	0.3205463475	0.9999537652	3.6950602847
1.0597826207	0.8150868337	0.9999537652	-1.7191746425
-5.7694389001	0.1064318809	0.9999537652	0
-2.5435664515	0.2868407697	0.9999537652	0
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1.0835184344	0.8653904195	0.9999537652	1.2114093143
4.0347077664	0.2007388651	0.9999537652	2.9985540909
2.9478137269	0.2171695007	0.9999537652	2.996475627
2.0885615936	0.5184501642	0.9999537652	-5.3608259368
1.1256551335	0.8550932486	0.9999537652	2.9985540909
-6.9736190158	0.2250321147	0.9999537652	0
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2.3585309934	0.2363096842	0.9999537652	-2.3893631603
-6.9764533263	0.2591610297	0.9999537652	2.9985540909
0	0	0	-4.9108225367
-2.0025825252	0.4565366416	0.9999537652	4.9561842702
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1.1172293767	0.9254471598	0.9999537652	2.9985540909
1.0362439076	0.9657000127	0.9999537652	-1.4145214232
-3.8100204382	0.0433819871	0.9999537652	-1.859280336
0	0	0	0
0	0	0	-1.3076992656
-1.0950954595	0.8432534259	0.9999537652	-1.1039775761
1.6463457326	0.5770783364	0.9999537652	1.1487875235
1.1821296961	0.6067513781	0.9999537652	-1.0241995621
1.1289037299	0.7578127575	0.9999537652	1.0843261094
1.1682841801	0.6940597841	0.9999537652	-1.0668168928
6.3075231393	0.4864784014	0.9999537652	0
1.8028740077	0.4327252229	0.9999537652	-1.39839735
1.0481614378	0.9224812408	0.9999537652	-1.7793027384
-1.4507123533	0.5771189461	0.9999537652	-1.0535935422
-1.5077992302	0.4103352239	0.9999537652	-1.4743534501

gene_expression_table

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-1.0254840392	0.9630956218	0.9999537652	-1.770694404
2.7933974408	0.6948713406	0.9999537652	0
-1.4751643279	0.4023864197	0.9999537652	1.0921666199
2.7933974408	0.6948713406	0.9999537652	0
1.1840195478	0.1996679028	0.9999537652	-1.0674789927
-1.1607833186	0.4971058233	0.9999537652	-1.1590401749
1.3040410104	0.2505478845	0.9999537652	1.0490292685
-1.3034475687	0.7660079242	0.9999537652	-1.0547761065
0	0	0	8.8639046058
-1.005295052	0.9797974733	0.9999537652	1.0574546485
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1.7340816349	0.456979915	0.9999537652	33.3754495834
-1.4007421347	0.2446117861	0.9999537652	1.1526333825
1.3068443743	0.0769983581	0.9999537652	1.0982129056
-1.0859085205	0.6521095782	0.9999537652	-1.4173032361
1.1681004938	0.5278603723	0.9999537652	-1.1786414434
-1.1173354264	0.4789760151	0.9999537652	-1.0468180094
-1.136341756	0.4842657152	0.9999537652	1.3778975001
1.0092984939	0.9439961935	0.9999537652	-1.1658213379
6.3075231393	0.4864348159	0.9999537652	1.4307087091
-1.0623230887	0.8946225583	0.9999537652	-1.1311590874
-1.4150256844	0.2172770523	0.9999537652	-1.2893654143
1.0147290952	0.9178855089	0.9999537652	-1.0741600643
-1.3329838577	0.2307030686	0.9999537652	-1.1203943854
-1.0048249416	0.9802525692	0.9999537652	-1.1590845563
-1.0342635618	0.780208478	0.9999537652	-1.2233396533
1.0011886599	0.9958371418	0.9999537652	-1.1872591097
1.7140509772	0.0233540187	0.9999537652	1.1399696131
2.7933974408	0.6948713406	0.9999537652	8.8639046058
1.678527217	0.0269993884	0.9999537652	-1.2099214114
1.0903560025	0.7011811117	0.9999537652	-1.1419323411
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1.2987672615	0.5563426288	0.9999537652	1.4365560648
-1.2669294153	0.1885299475	0.9999537652	-1.0037164875
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1.0687364382	0.5873093811	0.9999537652	-1.0112879402
1.1590517798	0.2176231676	0.9999537652	-1.009716291
1.3324604159	0.5979840553	0.9999537652	1.0289648288
1.0741875757	0.8167989425	0.9999537652	-1.2710342057
1.1161480477	0.6165957258	0.9999537652	1.2356293295
1.1158583321	0.9296794942	0.9999537652	1.4875735439
2.5591644743	0.2765005285	0.9999537652	1.2315827612
8.064174035	0.4238851146	0.9999537652	-2.1734470428
-1.0254259049	0.9292244373	0.9999537652	1.1229749837
-1.610091706	0.0997622898	0.9999537652	-1.1109219045
1.3183638953	0.1153806567	0.9999537652	1.2215749773

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	-1.1248877899
1.0259887574	0.8389620022	0.9999537652	1.2281404994
1.1595950732	0.5937345789	0.9999537652	1.2697639665
1.2913910109	0.1705841776	0.9999537652	-1.2611234932
1.278891521	0.6736448536	0.9999537652	1.9682972556
1.0458377827	0.8849353392	0.9999537652	-1.1351719003
1.1444741366	0.5029663632	0.9999537652	-1.1957596544
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-1.0066196254	0.971880842	0.9999537652	-1.373431707
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0	0	0	2.996475627
0	0	0	4.9527501949
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1.399194136	0.0205077282	0.9999537652	-1.0421982907
-1.8302136322	0.2181223483	0.9999537652	1.0300536047
-1.0256316245	0.9616368238	0.9999537652	-1.710761321
4.5544554512	0.5691493408	0.9999537652	2.9988886918
1.0415128524	0.8293254855	0.9999537652	-1.1557755125
1.1801090485	0.2585825597	0.9999537652	-1.0804762147
-1.5561044836	0.4814137536	0.9999537652	3.3933901003
-1.2772483432	0.229684108	0.9999537652	-1.4508343673
-1.1286633091	0.7943127178	0.9999537652	1.2132260292
1.0494886587	0.7105243268	0.9999537652	1.0206936996
1.0349698144	0.8098355697	0.9999537652	1.0238649754
1.3600434408	0.7948580329	0.9999537652	1.8289353302
1.292993688	0.2514867306	0.9999537652	-1.2723778944
1.8746187661	0.1363966058	0.9999537652	1.0105988956
-6.0768340904	0.0391945461	0.9999537652	-1.363546436
1.3257589065	0.1489058121	0.9999537652	1.0597719093
-1.3093027525	0.2076543837	0.9999537652	-1.2627050234
2.3677225249	0.0954742241	0.9999537652	-1.3555674202
-1.7236237864	0.0512494097	0.9999537652	-1.42560978
2.7957660672	0.7054362173	0.9999537652	-1.3601489831
2.7933974408	0.6948713406	0.9999537652	-1.1250196696
2.7957660672	0.7054385613	0.9999537652	0
-2.4416556705	0.3741597953	0.9999537652	-1.6785798811
2.3638535568	0.00335	0.9999537652	-1.5800538106
-1.1767301283	0.7356508434	0.9999537652	-1.2431995102
0	0	0	-1.4426061733
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1.4398079274	0.6076968255	0.9999537652	-1.0661031289
-1.1574050327	0.5009366663	0.9999537652	-1.1390484015
1.0678935042	0.7082410069	0.9999537652	-1.1456049027
1.0621646818	0.8255575251	0.9999537652	-1.4128809283
2.2253482524	0.168155229	0.9999537652	-1.119419279
-2.0795578895	0.2303025552	0.9999537652	2.3464201963
2.7933974408	0.6948713406	0.9999537652	0

gene_expression_table

3.1394606969	0.0208986664	0.9999537652	-1.1377627016
3.6937166632	0.1516359407	0.9999537652	-1.0019440938
2.0461586227	0.0498893726	0.9999537652	-1.0038926288
0	0	0	1.5560296184
2.7933974408	0.6948713406	0.9999537652	-1.0952583848
0	0	0	9.7116702472
-1.7435834966	0.3751438191	0.9999537652	-1.0599737366
1.0271041699	0.8604223939	0.9999537652	1.1169811054
1.0674653943	0.6421591476	0.9999537652	1.0374757509
1.057075147	0.7685421702	0.9999537652	-1.0208487261
1.1126440841	0.6287412745	0.9999537652	-1.137428435
1.643510367	0.5932811336	0.9999537652	-2.2269755185
1.6024984014	0.6862123674	0.9999537652	1.0751932413
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1.6024984014	0.6863020091	0.9999537652	1.3224475497
18.5983228161	0.2579912666	0.9999537652	-1.0422531512
15.0880352532	0.2954313143	0.9999537652	1.1356707315
1.0588081849	0.8076807353	0.9999537652	1.0502267737
1.1268789908	0.6209917575	0.9999537652	-1.1763909563
2.7933974408	0.6948713406	0.9999537652	1.590997316
-1.0756177415	0.8277185279	0.9999537652	-1.2238171391
-1.3808293235	0.2507868229	0.9999537652	-1.0386188186
-1.1171933108	0.3383807421	0.9999537652	-1.0533887887
-1.1868411067	0.3373531855	0.9999537652	-1.1004635847
1.374894702	0.4249801248	0.9999537652	1.656499278
1.4659701501	0.2466513768	0.9999537652	1.2209111776
1.1331613376	0.3948453618	0.9999537652	-1.161147529
1.8531875067	0.2370570258	0.9999537652	-1.4584988872
-1.1394252305	0.4821147396	0.9999537652	-1.4222473021
1.1374046657	0.3826585234	0.9999537652	-1.2974135692
-1.3090139168	0.5492284828	0.9999537652	-1.2073079744
1.0204921805	0.8828548032	0.9999537652	1.1198468788
2.1658501647	0.4036988285	0.9999537652	1.1401808029
-1.334767918	0.5625675086	0.9999537652	-1.0576354638
1.3371354523	0.2455078369	0.9999537652	1.1314061565
-1.129145102	0.5679877426	0.9999537652	-1.0598062483
1.0010854785	0.9953532227	0.9999537652	-1.3977221883
1.4233266177	0.1624503722	0.9999537652	1.0955094207
2.7933974408	0.6948713406	0.9999537652	1.5318210718
1.0521732606	0.6591520173	0.9999537652	-1.6239152791
1.0791230727	0.7325999065	0.9999537652	-1.2126413694
-1.0444653896	0.8168363725	0.9999537652	-1.102248457
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1.293233992	0.0481091914	0.9999537652	1.1042075406
-2.5871290907	0.4950945092	0.9999537652	4.9527501949
1.2121185951	0.2159519009	0.9999537652	-1.1392761998
1.0473634717	0.7153294189	0.9999537652	1.1147109755
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-1.2273076528	0.2075118121	0.9999537652	1.0504211725

gene_expression_table

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-1.3395903204	0.1040614364	0.9999537652	1.1809623962
1.0374602287	0.9152758405	0.9999537652	-1.0238013002
1.2611060645	0.2336393493	0.9999537652	1.0666556075
-1.0208090526	0.8537385697	0.9999537652	-1.0092038547
1.5815875305	0.6773602241	0.9999537652	2.5355690913
2.7933974408	0.6948713406	0.9999537652	1.1705662818
-1.2797682501	0.1744049023	0.9999537652	1.1639941059
-4.8135938501	0.1784471282	0.9999537652	6.9059398214
4.5545995984	0.5696724671	0.9999537652	-1.1613446338
0	0	0	0
-1.0381732196	0.8047062221	0.9999537652	-1.155280022
15.0880352532	0.2955141276	0.9999537652	-1.5088059915
-1.0493965567	0.7652737093	0.9999537652	-1.196490283
1.7512805614	0.4586763835	0.9999537652	-1.5377948106
-1.5748119492	0.1638121189	0.9999537652	1.1142934311
-2.3309889016	0.0582592716	0.9999537652	-1.1460036793
1.3629585105	0.4891027116	0.9999537652	-1.3645279797
0	0	0	1.4537866576
1.0012234717	0.9939819803	0.9999537652	1.0616512271
1.1988901647	0.3944443032	0.9999537652	-1.0669827063
-1.0212657651	0.8570355903	0.9999537652	1.1472153602
1.7496094965	0.0465398404	0.9999537652	1.0335171055
-1.0551684694	0.7902791308	0.9999537652	-1.0181945116
1.1887725976	0.7459692189	0.9999537652	-1.167242164
-1.1399317987	0.4036820198	0.9999537652	-1.0864216024
-1.0048262473	0.9785013941	0.9999537652	1.2069716752
-6.9764533263	0.2591693543	0.9999537652	-2.5408482902
-1.1279672712	0.3647144041	0.9999537652	-1.0842108578
-1.0638626403	0.7433583271	0.9999537652	-1.0123878144
1.4744829524	0.4679304542	0.9999537652	2.0125565823
-1.444237639	0.2134880837	0.9999537652	-1.0378827035
-1.0474416127	0.8090311684	0.9999537652	1.0809946696
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1.1169928711	0.5592902785	0.9999537652	1.2551218789
3.5444019705	0.2680766623	0.9999537652	-2.2893450003
-1.4828085853	0.0222864868	0.9999537652	-1.0189585148
-1.0685222725	0.861801674	0.9999537652	-1.7000936341
1.1841787841	0.1448514514	0.9999537652	1.2317474762
-1.1623847729	0.887198882	0.9999537652	2.1874714972
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-1.4927097311	0.0583006136	0.9999537652	1.1023356584
6.3075231393	0.4863913298	0.9999537652	0
0	0	0	12.7732027325
4.5505976667	0.556961481	0.9999537652	2.996475627
0	0	0	1.3687080685

gene_expression_table

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-1.0583306168	0.8346524598	0.9999537652	1.3049298416
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2.7933974408	0.6948713406	0.9999537652	6.908559683
-1.3112478436	0.5797092353	0.9999537652	-3.0890541028
2.7933974408	0.6948713406	0.9999537652	0
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1.2187593053	0.646450408	0.9999537652	-2.1420558366
-1.1688020512	0.5543746649	0.9999537652	-1.0505422135
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1.0719361517	0.9204580613	0.9999537652	2.7558973556
15.2205810263	0.3052951562	0.9999537652	1.9307645037
1.0829215919	0.5234163166	0.9999537652	1.1523433234
1.0392987413	0.8614009226	0.9999537652	-1.01416649
-1.1141213666	0.5802525906	0.9999537652	-1.339061348
-1.0473748842	0.7587590104	0.9999537652	-1.0491877748
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-1.0120882276	0.9554535527	0.9999537652	1.2867793222
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-1.2172862773	0.1333151906	0.9999537652	-1.1949743817
1.1902886668	0.3171223424	0.9999537652	-1.0173166018
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1.1170390388	0.5307952327	0.9999537652	1.028231189
-6.9764533263	0.2591776818	0.9999537652	20.5862458385
1.0404306232	0.7984801853	0.9999537652	1.1330523478
-1.0872200494	0.6782048461	0.9999537652	1.0433514422
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1.5301326131	0.5572343884	0.9999537652	-1.1045292627
4.5505976667	0.556872722	0.9999537652	2.996475627
-1.1825442559	0.4389861437	0.9999537652	-1.9465370399
-1.0487971014	0.7291124127	0.9999537652	1.039390121
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1.0290969881	0.8258427175	0.9999537652	-1.1129489101
1.5030896757	0.3450820806	0.9999537652	-1.1406774814
1.1929259108	0.1952989603	0.9999537652	-1.0695304886
1.1142649762	0.5396595954	0.9999537652	-1.1388724317
1.4596322495	0.2606154363	0.9999537652	-1.3129548488
-1.0867987676	0.6710401397	0.9999537652	-1.0528894191
1.0675221527	0.8038050871	0.9999537652	-1.2347594907
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1.4311344656	0.2948198056	0.9999537652	1.2660913732
-1.0514867521	0.7114250838	0.9999537652	-1.0228056829
2.7933974408	0.6948713406	0.9999537652	4.0953564288
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1.0227628079	0.9517928594	0.9999537652	1.4152745727
4.2550171442	0.0859870266	0.9999537652	-1.5790138432

gene_expression_table

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11.5766527773	0.3455323591	0.9999537652	-1.1248877899
-1.255307045	0.1493450762	0.9999537652	-1.2945666078
-1.1529341132	0.2656618028	0.9999537652	-1.1723540339
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1.029457602	0.851337824	0.9999537652	-1.0660772917
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1.1420472463	0.6879630567	0.9999537652	-1.3519027108
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1.0587348009	0.7227233673	0.9999537652	-1.2965418811
3.3058503755	0.2782186392	0.9999537652	-1.4505064176
1.9281341265	0.3667314513	0.9999537652	-1.0505510228
1.0978374414	0.6529629789	0.9999537652	-1.0044429769
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-1.0235213271	0.8978928968	0.9999537652	1.0364307717
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
0	0	0	0
2.7957660672	0.7054409062	0.9999537652	4.9527501949
4.5505976667	0.5567907887	0.9999537652	4.9527501949
2.3294952774	0.0008986	0.9999537652	1.2335327471
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1.2443104586	0.3574086148	0.9999537652	1.4778927474
1.3171203617	0.2812537184	0.9999537652	1.514223496
0	0	0	4.9527501949
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	15.9061931258
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-1.2652071252	0.3200745781	0.9999537652	-1.3161997844
2.7489196894	0.1407602186	0.9999537652	-1.2539651059
-1.3677102863	0.0691775063	0.9999537652	-1.0174432075
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-1.0566585585	0.8604175972	0.9999537652	1.0421433702
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-1.2504644039	0.6603823288	0.9999537652	-1.1485257488

gene_expression_table

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-1.0115631292	0.9482760309	0.9999537652	1.3293785687
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29.8698312703	0.2177565601	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	0
4.5545995984	0.5696703893	0.9999537652	0
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	-2.1280158161
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1.0304768702	0.8848312396	0.9999537652	1.2979368764
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1.5673682763	0.1384135688	0.9999537652	1.2029516336
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1.0294957231	0.8293850167	0.9999537652	1.3264387446
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1.0954236713	0.7783717327	0.9999537652	1.8059698302
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1.1454289347	0.5429727711	0.9999537652	1.2297170892
4.5505976667	0.5567145673	0.9999537652	-1.3579552885
-1.1682472802	0.4615953888	0.9999537652	1.1760157523
4.5505976667	0.5566836989	0.9999537652	0
-1.1817849279	0.6099194748	0.9999537652	-1.0541182149
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-1.0262163333	0.8205748844	0.9999537652	1.2350319696
-1.1196564798	0.5467823594	0.9999537652	-1.0930472912
11.5864583426	0.3448609145	0.9999537652	-1.5255688471
-1.0148144681	0.9169069979	0.9999537652	1.1200680908
1.1855043684	0.2293123565	0.9999537652	1.0304883745
-4.3234865661	0.150015522	0.9999537652	12.7732027325
1.11360368	0.5694735292	0.9999537652	1.1669498724
0	0	0	6.9133480437
2.7933974408	0.6948713406	0.9999537652	-6.4352633827
4.7592049098	0.1553546697	0.9999537652	-1.166228783
1.3835687086	0.0787709866	0.9999537652	-1.0247952108
1.0371707186	0.8658934414	0.9999537652	1.1386081413
1.6141448781	0.1595822383	0.9999537652	1.084872138
1.0897630839	0.6412362873	0.9999537652	-1.0928615833
1.0579973875	0.7798809306	0.9999537652	-1.0262823766

gene_expression_table

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1.3025325442	0.6131002717	0.9999537652	1.1353089796
1.194738735	0.5850453649	0.9999537652	1.0205162228
24.3870295947	0.2290228206	0.9999537652	-2.2935209839
-2.0942274998	0.046788865	0.9999537652	-1.8811465506
1.0145668119	0.9661089919	0.9999537652	1.3107735704
54.5793006814	0.1214851	0.9999537652	2.996475627
1.8957557082	0.4627928026	0.9999537652	-1.1611062701
1.1302840871	0.5038563542	0.9999537652	1.1030282654
-1.0872029594	0.5090928015	0.9999537652	1.0471350312
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1.103931787	0.6641471502	0.9999537652	1.1324635149
0	0	0	2.9985540909
2.9591626092	0.0108162484	0.9999537652	1.569417442
-1.1670613769	0.8550003358	0.9999537652	-4.7399721888
1.0280366057	0.9066135725	0.9999537652	1.3443231479
1.4706009574	0.2037058681	0.9999537652	1.1309302511
1.1901283357	0.4452666418	0.9999537652	1.355174895
1.4529708599	0.2207114612	0.9999537652	1.2560288234
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1.4208057684	0.0528385048	0.9999537652	1.235364176
6.3075231393	0.4863782724	0.9999537652	2.996475627
-1.034418822	0.8495020495	0.9999537652	-1.0781829996
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2.1947124478	0.3162270937	0.9999537652	-1.0193908853
-1.1323086324	0.5141112952	0.9999537652	-1.0590834607
-1.2399604201	0.2380271471	0.9999537652	-1.0593257701
-1.2407663199	0.490270913	0.9999537652	1.3112449963
-1.0579755669	0.9334067448	0.9999537652	-1.5830173904
1.1244691651	0.579623143	0.9999537652	-1.2927168785
2.7933974408	0.6948713406	0.9999537652	0
1.2802584115	0.4810185133	0.9999537652	2.1539920158
1.1621627331	0.6143733589	0.9999537652	1.3155744671
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1.0186672449	0.9423122656	0.9999537652	1.0746233485
2.4277111557	0.2920079741	0.9999537652	2.9707177548
-1.0993267572	0.7808434325	0.9999537652	1.4401814165
1.6314647197	0.2169904676	0.9999537652	1.0260604864
1.5965657362	0.1136941818	0.9999537652	2.2018816799
1.3225465194	0.066854768	0.9999537652	1.1902884253
1.3387611711	0.4715960368	0.9999537652	-1.0084351443
-2.0908000446	0.4356910554	0.9999537652	-1.3783411646
-1.2162857015	0.1785273158	0.9999537652	1.101900263
2.7957660672	0.7054432521	0.9999537652	-3.3853891979
1.1175388732	0.6564915258	0.9999537652	1.0433462964
-2.8080850154	0.3318381258	0.9999537652	-5.5994415605
4.5505976667	0.5566538964	0.9999537652	10.8262784008

gene_expression_table

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-1.1680276447	0.3902595839	0.9999537652	1.018006364
-1.6422116369	0.4178088296	0.9999537652	-1.4035964637
-1.2391589495	0.3556718585	0.9999537652	1.5688532466
1.4725798242	0.0798828039	0.9999537652	1.0119272205
-1.0457369147	0.8574225033	0.9999537652	-1.0987906769
1.3003719044	0.4421645438	0.9999537652	1.0092712287
-1.4686464794	0.3913540107	0.9999537652	1.3753245199
-1.0433958077	0.8343560122	0.9999537652	-1.1488420713
-1.3922070018	0.4422614556	0.9999537652	1.6706106163
1.2319435881	0.3469881434	0.9999537652	-1.4656942709
-1.4137177797	0.398621742	0.9999537652	-1.027479335
6.3075231393	0.4863597406	0.9999537652	1.4537866576
-1.0758544827	0.6550740464	0.9999537652	-1.0418103549
1.0418460307	0.8641500961	0.9999537652	1.5841593768
1.0228776005	0.9000546292	0.9999537652	1.4612263206
-1.1097311508	0.8347230881	0.9999537652	-1.0466177644
1.202091047	0.3296256592	0.9999537652	1.059622733
-1.0250895366	0.9297349637	0.9999537652	-1.155975356
-1.5347269239	0.2658884195	0.9999537652	1.5107602448
2.6134824879	0.0171696081	0.9999537652	1.2938186044
3.859400354	0.1173269063	0.9999537652	-1.1280370244
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1.1552692485	0.3785925423	0.9999537652	1.0280880059
1.0844487454	0.8707989975	0.9999537652	-1.1662003378
-1.1994367768	0.6709214158	0.9999537652	1.321803727
-1.4263849482	0.1003895749	0.9999537652	-1.193849186
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1.0074744043	0.9912150162	0.9999537652	1.0386658977
2.0852494071	0.203685478	0.9999537652	1.0712963309
1.0473973226	0.8358952645	0.9999537652	1.3456319557
1.1307159098	0.6319491641	0.9999537652	1.0566125318
-5.855397775	0.1779668514	0.9999537652	6.908559683
1.4273126267	0.4333625821	0.9999537652	2.1612032567
-1.0492162905	0.8654427389	0.9999537652	-1.169586205
1.271436232	0.2602352117	0.9999537652	1.1475277752
1.0570403596	0.7140650462	0.9999537652	1.2503054055
-1.0647557993	0.6901321504	0.9999537652	1.131988253
1.2674088665	0.159934602	0.9999537652	1.2721374381
1.3640422474	0.3026206717	0.9999537652	1.3683146205
-3.2727308847	0.1982147524	0.9999537652	-1.4602971429
1.1156982492	0.7238181458	0.9999537652	1.2854220982
1.7114087897	0.0696450289	0.9999537652	-1.0364925567
-1.9041828432	0.1375057486	0.9999537652	-1.2468680136
1.3450284088	0.4646567808	0.9999537652	1.1560248777
2.9792351324	0.0743767023	0.9999537652	1.0300568638
1.0155282432	0.9077373176	0.9999537652	1.4089260639

gene_expression_table

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1.0129420433	0.9674476493	0.9999537652	-1.362787283
0	0	0	2.9988886918
1.05232932	0.9175943991	0.9999537652	1.302851463
-1.6413044039	0.0385866709	0.9999537652	1.0441388886
-1.2299936391	0.3123070881	0.9999537652	1.0510593525
0	0	0	2.996475627
-1.1254649332	0.4924379603	0.9999537652	1.1171769112
1.846408361	0.5882299327	0.9999537652	2.9985540909
1.5051828897	0.4676346508	0.9999537652	1.4940516767
1.0385208736	0.9226902176	0.9999537652	1.2176542164
18.5983228161	0.2579759179	0.9999537652	-1.0469500538
1.2020388661	0.651531815	0.9999537652	-1.3763386703
-1.0833740364	0.6913476011	0.9999537652	-1.1335219385
1.0632335311	0.6713514206	0.9999537652	1.4066496785
1.7938786006	0.007712	0.9999537652	-1.7181032845
-1.2734834919	0.5805362738	0.9999537652	-1.3501592245
0	0	0	2.996475627
-1.4645225255	0.2887272322	0.9999537652	2.3222187522
1.3386362079	0.1616077745	0.9999537652	1.8358521658
-1.0877948079	0.8945772997	0.9999537652	-1.1093538102
0	0	0	2.9985540909
-1.0996825855	0.7348599497	0.9999537652	-1.0838017905
1.120080119	0.6034885487	0.9999537652	1.5156845621
-1.5875118025	0.7205195663	0.9999537652	2.3413262342
6.3075231393	0.4863412791	0.9999537652	0
-1.1309816678	0.8547260639	0.9999537652	-1.1544184423
-1.171252603	0.8507580726	0.9999537652	1.0682347371
2.7957660672	0.7054455989	0.9999537652	-1.1242401582
8.064174035	0.4238837802	0.9999537652	-1.8594983184
-6.9764533263	0.2592026819	0.9999537652	20.6004768562
1.0555020791	0.7096491587	0.9999537652	1.3446520506
-1.1348674605	0.6200995173	0.9999537652	-1.0655129099
1.4757537288	0.1303870459	0.9999537652	1.3839536241
2.0224217452	0.0542198543	0.9999537652	1.9047163923
1.0304230289	0.8147039122	0.9999537652	1.1782068679
4.5505976667	0.5566250533	0.9999537652	8.8700459102
1.1593773706	0.5267973225	0.9999537652	1.107856765
-1.1761541094	0.5060071174	0.9999537652	1.135571024
3.7902526731	0.2288683402	0.9999537652	1.2482398711
-1.6973123489	0.5505981895	0.9999537652	4.1864221648
0	0	0	2.9985540909
-1.854982839	0.669500012	0.9999537652	4.2599323069
-1.0382088849	0.8629596625	0.9999537652	-1.1261879802
-1.3784666702	0.5533441515	0.9999537652	-1.0624205355
4.5505976667	0.5565970628	0.9999537652	0
1.3588576256	0.8007235826	0.9999537652	0
-3.3110661094	0.2931306503	0.9999537652	5.9722067269

gene_expression_table

1.0797125592	0.8027923246	0.9999537652	1.5342866731
6.3075231393	0.4863228875	0.9999537652	1.2394611522
0	0	0	2.9985540909
4.5505976667	0.5565698204	0.9999537652	2.2253832076
1.1058644643	0.7071044163	0.9999537652	1.0448231237
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	6.908559683
1.0613198825	0.6001880255	0.9999537652	1.0654411492
0	0	0	1.3166104106
-1.669821626	0.1178436899	0.9999537652	1.6154009151
-1.8455979539	0.3270696906	0.9999537652	1.087618212
-1.0210365629	0.963173373	0.9999537652	-1.0445158578
-2.5861438062	0.4665546927	0.9999537652	2.387778404
1.1156751249	0.5148974932	0.9999537652	1.4169368365
-1.1509029955	0.3076581429	0.9999537652	-1.2838067469
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1.0246710853	0.9222381925	0.9999537652	1.452217877
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1.3999031749	0.4019305723	0.9999537652	1.6450014292
1.0892911075	0.7405101077	0.9999537652	1.6072123027
-1.0104114485	0.9763773132	0.9999537652	1.5692729976
1.071066925	0.9164818364	0.9999537652	1.6860091478
1.3408749081	0.0381423508	0.9999537652	1.1739008283
-1.4571852392	0.3087031755	0.9999537652	1.0291548006
-1.1619421561	0.8737038912	0.9999537652	-2.044605925
1.6778054259	0.0179542736	0.9999537652	-1.0827464978
2.3306483975	0.4665651467	0.9999537652	-2.0901136056
1.1813435872	0.4619124265	0.9999537652	1.0676588949
-1.1292995288	0.3564097569	0.9999537652	1.2222969848
1.0898301836	0.6840130732	0.9999537652	1.1327328324
34.3811030879	0.1695431793	0.9999537652	2.0643077124
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0	0	0	-6.6628455824
-1.1345373546	0.4669317304	0.9999537652	1.1411328699
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1.1008317228	0.5728724564	0.9999537652	1.0180949097
-1.3869431146	0.1763327198	0.9999537652	-1.275711308
-1.0007130659	0.9971624001	0.9999537652	1.6269911157
1.0194266775	0.9297249356	0.9999537652	1.014555652
-1.8199241288	0.0434154809	0.9999537652	-1.0808400157
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-1.027205394	0.9267001476	0.9999537652	1.1835915972
1.1919268115	0.2016712203	0.9999537652	-1.1354744873
-1.4940676537	0.3401568431	0.9999537652	-1.0744014923
1.1925582499	0.4779455974	0.9999537652	-1.0111001095
-1.9736273861	0.2288237199	0.9999537652	1.5462826785

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	0
1.0880934088	0.6332809855	0.9999537652	1.0755730762
1.334054837	0.5906041102	0.9999537652	1.8861877352
-1.0645813667	0.6873220823	0.9999537652	-1.0197153102
-1.8277288365	0.1747969359	0.9999537652	1.3830625852
-2.1053066666	0.3146010489	0.9999537652	1.124343984
1.2707804646	0.3225906659	0.9999537652	1.2280067376
2.1141085505	0.1259521107	0.9999537652	-1.0301015622
-1.0135297804	0.954795723	0.9999537652	-1.0140608132
-2.0649459568	0.1648036282	0.9999537652	-1.2475746038
-1.094053711	0.6240083282	0.9999537652	-1.0744302441
-1.019770079	0.9419569073	0.9999537652	1.3352977848
1.0096552952	0.9592991208	0.9999537652	-1.0603835776
-1.0603878335	0.6512323981	0.9999537652	1.0689983623
1.0941338387	0.7012486721	0.9999537652	1.3292208293
-1.1453192235	0.9087196086	0.9999537652	-6.4352633827
1.643510367	0.5933618518	0.9999537652	12.7732027325
25.6156185703	0.2096653013	0.9999537652	2.1590507919
0	0	0	1.6470100299
0	0	0	0
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1.1136602091	0.7303514282	0.9999537652	-1.7477970174
1.0833043499	0.7895153765	0.9999537652	1.5828434909
-1.0188106624	0.9445074881	0.9999537652	1.3209354107
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8.0710074692	0.4203286965	0.9999537652	1.3973764147
0	0	0	2.9985540909
-1.0878470573	0.6684904877	0.9999537652	1.3506488583
-1.5876922998	0.0262284393	0.9999537652	-1.0774886362
2.7933974408	0.6948713406	0.9999537652	-2.9704130837
-1.2374416969	0.3777445303	0.9999537652	1.2197661357
-2.1805032503	0.047195031	0.9999537652	1.5847701151
-1.213640762	0.3241754139	0.9999537652	-1.0633959938
1.4185591585	0.1484039155	0.9999537652	-1.0718646352
0	0	0	1.0015079005
1.2103350963	0.3581476865	0.9999537652	1.0935701428
-1.0290766315	0.9193074995	0.9999537652	1.1786408586
-1.2068050655	0.2668208025	0.9999537652	-1.5304899078
1.1893568102	0.7037017453	0.9999537652	1.2340294199
1.0175625897	0.9309805471	0.9999537652	1.0398389702
1.0676227971	0.8827466108	0.9999537652	-1.2310789416
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gene_expression_table

1.2642169253	0.1829870753	0.9999537652	-1.0898259795
2.0849718726	0.2968429513	0.9999537652	-1.3034241767
-1.0048342918	0.9754252246	0.9999537652	-1.2103983862
-2.0008239305	0.4558475686	0.9999537652	3.3511460746
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1.2563615157	0.2248972152	0.9999537652	1.3007454686
1.2001438777	0.1954563871	0.9999537652	1.0845293682
-1.032472774	0.8117670889	0.9999537652	-1.2110270751
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1.0015906331	0.9892091757	0.9999537652	1.0887731188
1.2598784428	0.1315734194	0.9999537652	1.2119768401
-1.7000974549	0.5642294185	0.9999537652	2.3312237541
1.0275650038	0.8983695841	0.9999537652	1.0112621194
3.3030568913	0.2924636484	0.9999537652	-2.1744673066
4.5505976667	0.5565432176	0.9999537652	2.996475627
1.0929659304	0.6845021347	0.9999537652	-1.3948548231
1.1343245663	0.5981105235	0.9999537652	1.1199751632
-1.4750790135	0.6599060967	0.9999537652	-1.3945395231
-1.5881570201	0.7139018484	0.9999537652	1.9418822056
-1.0728948619	0.6417138291	0.9999537652	1.081137687
2.7957660672	0.7054479467	0.9999537652	-5.3589986948
-1.1448144121	0.9147429026	0.9999537652	39.208884251
2.7957660672	0.7054502954	0.9999537652	0
-1.203782886	0.2093480875	0.9999537652	1.1240571972
1.1674063569	0.4173859578	0.9999537652	1.5939666485
1.2867504688	0.4415127097	0.9999537652	-1.2729731543
1.0766311068	0.5998913689	0.9999537652	1.1442314663
1.0312883198	0.9260052049	0.9999537652	1.0405263134
0	0	0	2.996475627
34.4112440562	0.1677827362	0.9999537652	1.0206439538
1.0543870454	0.8777768431	0.9999537652	-1.3927131448
1.1731864831	0.4355602875	0.9999537652	1.5080072099
-1.0535398293	0.8201277133	0.9999537652	-1.0815428652
1.1286582069	0.8387514599	0.9999537652	-1.4857481814
-1.4090963591	0.2149387121	0.9999537652	1.5182472669
-1.1704736049	0.7124119409	0.9999537652	1.2233825687
1.0228019496	0.9241732804	0.9999537652	1.0197650366
-1.4753878392	0.004148	0.9999537652	-1.0778831524
-1.0730247126	0.8030696181	0.9999537652	1.3896895945
-1.1064940004	0.5009196079	0.9999537652	1.311422293
0	0	0	1.2601712954
-2.587194901	0.5007412281	0.9999537652	-2.7908644137
1.4648506267	0.0768711658	0.9999537652	1.1290124242
-1.6481429995	0.3099147217	0.9999537652	-1.1420150361
-1.1654633928	0.484681861	0.9999537652	1.0196647181
1.0203077888	0.9132529633	0.9999537652	1.0589277392
-1.5579775407	0.055264417	0.9999537652	1.3555671242
1.0844515221	0.6498784618	0.9999537652	-1.0500287798
1.1225079038	0.5377579969	0.9999537652	-1.4708376147

gene_expression_table

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-1.2528462971	0.5855036262	0.9999537652	-1.028198607
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1.3708361697	0.3174635236	0.9999537652	-1.1446198957
3.3046967148	0.286112132	0.9999537652	1.9366867128
4.3339220787	0.0345006863	0.9999537652	-1.8825220281
-1.3849169173	0.4227693234	0.9999537652	-1.270907783
1.0193491865	0.9480614523	0.9999537652	-1.6291921415
-1.0478190319	0.728785053	0.9999537652	-1.3145183095
1.5246050946	0.1820668124	0.9999537652	1.1566053577
1.0877270743	0.5485091464	0.9999537652	-1.1606695365
1.0065937959	0.98287441	0.9999537652	1.1123850928
1.0882764953	0.6039652676	0.9999537652	-1.2451937783
-1.1077631395	0.5427945262	0.9999537652	-1.394327004
-1.1728665519	0.288987112	0.9999537652	-1.1780960275
1.5139120855	0.1227803056	0.9999537652	-1.253593396
1.0394465243	0.9000030707	0.9999537652	1.3013077265
1.1433277037	0.5408728708	0.9999537652	1.0878402497
1.2644283007	0.4797334785	0.9999537652	-1.2651508969
1.0617714076	0.7650167901	0.9999537652	-1.1068137173
-1.199620006	0.5663163458	0.9999537652	1.2708100605
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-1.0729553632	0.7472553945	0.9999537652	-1.0844668862
3.8622037496	0.6198017915	0.9999537652	0
1.0016714953	0.9929517886	0.9999537652	-1.0407167934
1.1982230535	0.261515817	0.9999537652	-1.3259104505
1.6758188804	0.349901153	0.9999537652	1.1008237951
-1.4885847327	0.2426288145	0.9999537652	6.763601952
55.3905770121	0.1166692559	0.9999537652	-2.4419375169
-1.3724562175	0.091724715	0.9999537652	-1.5847649862
2.3335098933	0.4432059046	0.9999537652	-1.8812654885
1.0981607799	0.5502859248	0.9999537652	-1.1719801697
1.1301002015	0.6527775333	0.9999537652	-1.4775736169
1.0606233766	0.6046784824	0.9999537652	1.018277346
74.4187556167	0.101011951	0.9999537652	3.9786486669
-1.1974130486	0.6991505805	0.9999537652	-1.1843678061
-1.1676089869	0.3780243873	0.9999537652	-1.0200488649
1.8816453506	0.5620798186	0.9999537652	-3.384595918
1.0898155678	0.5884080913	0.9999537652	1.4212368995
-1.0846110904	0.7899066679	0.9999537652	-1.1218684868
1.5578739567	0.1936445217	0.9999537652	-1.2752320921
-1.0693354128	0.6483007491	0.9999537652	-1.0564174525
-1.1088272453	0.6603549313	0.9999537652	-1.3029571861
1.1484131946	0.5783625936	0.9999537652	-1.1167341643
1.0028996321	0.9886672405	0.9999537652	1.2822660794
-1.0854147188	0.4976614732	0.9999537652	-1.1353172254
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1.037224176	0.7982783218	0.9999537652	1.0345324313

gene_expression_table

-1.5881570201	0.7136875907	0.9999537652	1.6458706287
1.2123375468	0.5161955262	0.9999537652	-1.4082057682
-1.3734734207	0.138372106	0.9999537652	-1.3353081179
-6.9736190158	0.2250321147	0.9999537652	1.2152209729
-1.3067013344	0.0829150461	0.9999537652	-1.6614124678
-1.0122485522	0.9507474156	0.9999537652	-1.0664409132
0	0	0	8.8639046058
-1.1279291834	0.476394892	0.9999537652	1.3744633733
1.3645322244	0.1640759156	0.9999537652	1.3057408509
1.1605171257	0.5577796385	0.9999537652	1.1793720802
1.0388568099	0.7899181207	0.9999537652	1.2140419356
1.2203853078	0.4626421935	0.9999537652	1.0651595895
-1.096520927	0.6501523335	0.9999537652	1.0757465337
-1.0703225841	0.8739244647	0.9999537652	-1.1105104235
2.7957660672	0.705452645	0.9999537652	9.7116702472
-1.0350587619	0.7930749776	0.9999537652	1.1901910042
1.0645242292	0.6608678193	0.9999537652	1.2170316649
1.8816453506	0.5619963272	0.9999537652	-2.9683549234
1.8198190335	0.1794672747	0.9999537652	1.3469801082
-1.4427560727	0.0407454827	0.9999537652	-1.0894493391
0	0	0	1.2587294573
1.0551495721	0.8332035447	0.9999537652	1.0396465114
1.0561276962	0.7636455676	0.9999537652	1.1490189803
0	0	0	1.2408886006
-1.1859130246	0.5676390436	0.9999537652	1.7707295391
-1.0998722319	0.7800692623	0.9999537652	-1.0254122857
4.5505976667	0.5565171389	0.9999537652	2.6083962368
1.0969812451	0.5380722762	0.9999537652	1.318832555
-1.6975651946	0.2544664462	0.9999537652	1.2680438217
-1.3354993644	0.493516444	0.9999537652	1.0783678942
1.7848781972	0.2092172409	0.9999537652	-1.2438746902
-1.1971456387	0.2135096655	0.9999537652	-1.2104349233
0	0	0	2.996475627
-1.1418375965	0.29140335	0.9999537652	-1.1158265266
-1.3548635538	0.1153136988	0.9999537652	1.2411446349
-1.1222860487	0.6667349904	0.9999537652	1.151303861
1.1861556027	0.4387432074	0.9999537652	1.3314618789
1.5889344781	0.007328	0.9999537652	1.1641477471
1.1392832044	0.4030831611	0.9999537652	1.0791187773
1.0387730132	0.8532050008	0.9999537652	-1.0340036787
-1.0411822654	0.769797375	0.9999537652	1.1388171606
-1.2352651412	0.5884145319	0.9999537652	-1.0148517306
0	0	0	4.9567375629
0	0	0	2.996475627
-2.5871290907	0.4971685309	0.9999537652	2.9988886918
-1.022950828	0.9568648422	0.9999537652	1.3610449496
4.5505976667	0.5564914553	0.9999537652	2.9957580451
1.0196170288	0.9331251824	0.9999537652	-1.0570531772
-1.0132488865	0.9139421382	0.9999537652	1.6039616802

gene_expression_table

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-1.1240657836	0.8422577978	0.9999537652	-1.1113313989
1.1465573442	0.6607578092	0.9999537652	1.2877910214
-1.09011441	0.5423613771	0.9999537652	1.3622659139
-1.0245189834	0.8386898558	0.9999537652	1.0613079565
1.2793077919	0.0995763078	0.9999537652	1.1082217927
17.3472938331	0.2975374064	0.9999537652	-5.3583704783
-1.0002863038	0.9986568707	0.9999537652	1.20634567
1.0834633305	0.8769565316	0.9999537652	-1.6327386627
2.7933974408	0.6948713406	0.9999537652	5.4461692489
3.909066224	0.0443781561	0.9999537652	1.0713899155
3.3017989522	0.3007889978	0.9999537652	-1.0884300027
-1.0505456648	0.9100035885	0.9999537652	-1.1452805869
0	0	0	2.9985540909
1.6416093931	0.295188787	0.9999537652	-1.594099409
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0	0	0	1.6293799659
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1.2695653613	0.4164423688	0.9999537652	-1.0737322285
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1.1910830518	0.3691458832	0.9999537652	1.0390730893
0	0	0	-5.3583704783
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gene_expression_table

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gene_expression_table

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gene_expression_table

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1.4599072921	0.1104263299	0.9999537652	-1.0681921999
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1.2530475337	0.2341075695	0.9999537652	-1.3590789545
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gene_expression_table

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1.0780282601	0.7318162467	0.9999537652	1.3895796599
-1.1913290417	0.3692893047	0.9999537652	1.0479866055
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0	0	0	2.996475627
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1.0046300162	0.9799202937	0.9999537652	1.1518011246
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gene_expression_table

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0	0	0	4.9527501949
3.8622037496	0.619710026	0.9999537652	0
1.781465944	0.0425618473	0.9999537652	1.027718802
-1.1723373306	0.810906083	0.9999537652	-1.4793168818
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1.3243942908	0.3815867471	0.9999537652	1.2568189063
1.2387774014	0.5127373226	0.9999537652	1.0653716404
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0	0	0	2.996475627
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1.4406035338	0.3106454122	0.9999537652	1.1727776509
-1.0210282393	0.8682649295	0.9999537652	1.0193911459
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2.7933974408	0.6948713406	0.9999537652	1.0664958154
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1.0223680143	0.8985487572	0.9999537652	-1.1838591443
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1.0047371945	0.9889418886	0.9999537652	-1.2309930785
1.4630570633	0.4300756164	0.9999537652	1.2490640241
1.0520250133	0.7738111329	0.9999537652	-1.2032167281
13.3324809638	0.3189346423	0.9999537652	1.0057660328
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1.4803117167	0.6260913293	0.9999537652	-1.0327071416
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1.0159569092	0.9217857373	0.9999537652	1.0095540101
55.4875632021	0.1159952502	0.9999537652	1.2646703209
1.8453597646	0.0653890279	0.9999537652	-1.2720427236
1.1951394496	0.2587389114	0.9999537652	-1.0793834675
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-1.2231043212	0.7362276127	0.9999537652	-1.3960345991
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gene_expression_table

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-1.369107775	0.7698226973	0.9999537652	-1.5412153521
1.3974052255	0.6321454276	0.9999537652	-1.8808194447
-1.0856837069	0.8004074795	0.9999537652	-1.6268402151
-1.4750790135	0.6599462029	0.9999537652	1.7812319687
-1.4010002881	0.6116338218	0.9999537652	1.4660883411
1.6241136236	0.0275915967	0.9999537652	-1.1302308369
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4.9036720728	0.0655346047	0.9999537652	-1.4802387149
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-1.8560826477	0.3459363187	0.9999537652	-2.5905422285
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1.600024502	0.0559755806	0.9999537652	-1.6107187353
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15.0880352532	0.2955600906	0.9999537652	-1.0276776463
-2.4917271213	0.1783393312	0.9999537652	-1.5507301391
-1.0855442704	0.694693508	0.9999537652	1.1963188704
1.4951917803	0.2991770236	0.9999537652	-1.0963303551
1.0576655399	0.7194098387	0.9999537652	1.0738183103
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1.0917681293	0.5456829517	0.9999537652	-1.1276070041
0	0	0	-9.7565542884
-1.0740254072	0.7022667466	0.9999537652	-1.0203384344
1.8863176825	0.0301314684	0.9999537652	-1.0706120454
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-1.0095045255	0.9511063252	0.9999537652	1.0041787085
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2.7933974408	0.6948713406	0.9999537652	0
-1.0804946554	0.658974673	0.9999537652	-1.2668288827
2.6592735212	0.0727705408	0.9999537652	-1.2099923075
2.4790046106	0.1844937023	0.9999537652	2.4531065135
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0	0	0	2.996475627
-1.0826230524	0.6666958115	0.9999537652	-1.3007591385
1.0665844857	0.7084999517	0.9999537652	1.0770915898
1.116787235	0.7667984927	0.9999537652	1.1264776792
-1.1402367979	0.4901071377	0.9999537652	-1.1704618356
-1.3755764767	0.5062039731	0.9999537652	-1.0094872375
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-1.1562864818	0.4035291097	0.9999537652	-1.2073873292
4.5505976667	0.5564151234	0.9999537652	0
1.3996890452	0.632749889	0.9999537652	1.5316961476
1.0301390511	0.9310250303	0.9999537652	-1.2050386107

gene_expression_table

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-1.2078980119	0.4861840134	0.9999537652	-1.1544563199
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1.3662536087	0.1148607852	0.9999537652	-1.0954655284
9.8205505243	0.3807567972	0.9999537652	-1.5811963396
3.8622037496	0.6196794023	0.9999537652	-5.337186734
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2.7630567166	0.08160757	0.9999537652	-1.1977486937
2.1680013163	0.413998897	0.9999537652	1.1438154581
1.3772588142	0.5212922706	0.9999537652	-2.0786680745
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1.0464592107	0.8636451492	0.9999537652	-1.2617601037
1.0514999876	0.8741497758	0.9999537652	1.1009329645
1.6152065649	0.510513336	0.9999537652	-1.016338285
1.0789562771	0.6435735229	0.9999537652	1.1981993159
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-1.0496273246	0.7863986757	0.9999537652	1.1261132019
1.507205829	0.0953040282	0.9999537652	-1.0310224425
-1.1182593331	0.3319595477	0.9999537652	-1.0987925845
15.0880352532	0.2955199564	0.9999537652	-5.3583704783
0	0	0	1.5920908625
-2.0683719388	0.0530594441	0.9999537652	-1.0085837439
-1.4609312109	0.3012801124	0.9999537652	-1.3070546205
-1.3634739279	0.1221888448	0.9999537652	1.1740249651
1.0699971675	0.7380353785	0.9999537652	-1.0751659649
-1.5732704371	0.0190437976	0.9999537652	1.0318671678
1.598158932	0.1453509655	0.9999537652	1.2470860643
1.0024679426	0.9952977543	0.9999537652	-1.2113577925
1.0363099496	0.966677396	0.9999537652	2.3290926981
1.0936518072	0.5410906016	0.9999537652	1.1615393661
1.0635937345	0.6839506103	0.9999537652	1.382616823
1.0756524821	0.8533867135	0.9999537652	1.0891191519
-1.1795068457	0.3620421941	0.9999537652	1.4317855033
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1.0211288116	0.9491113539	0.9999537652	1.0984583154
1.1352411167	0.6761924187	0.9999537652	-1.0904472788
-6.9736190158	0.2250321147	0.9999537652	33.3754495834
1.3501637095	0.4315723369	0.9999537652	1.3991327592
1.1463129501	0.6626928205	0.9999537652	1.0897949512
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.0332846416	0.8837205328	0.9999537652	1.1813173288
1.0856276127	0.5825951275	0.9999537652	-1.0311500697
-1.1453192235	0.9086853641	0.9999537652	9.7116702472
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1.7191537344	0.0267261684	0.9999537652	1.5772587999
1.0015043352	0.9959331681	0.9999537652	-1.1283021243
-1.1802121107	0.5965296325	0.9999537652	1.0286673153
1.0240838787	0.9687325862	0.9999537652	2.251432921
-1.0846500161	0.8176478469	0.9999537652	1.482012642

gene_expression_table

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29.1472433471	0.1877726381	0.9999537652	1.900054964
1.0690140949	0.8633591762	0.9999537652	1.2697899088
1.3670587466	0.4856641668	0.9999537652	1.0949825209
-1.0158172782	0.9495523606	0.9999537652	1.4531489341
1.5124661612	0.6687868988	0.9999537652	1.7125218959
-1.0378653972	0.8795136902	0.9999537652	1.0313696213
-1.0976720675	0.6312026761	0.9999537652	1.1618212163
1.1286899667	0.7985722824	0.9999537652	-1.4619975468
0	0	0	2.9985540909
4.5545995984	0.5696683115	0.9999537652	-1.859280336
1.2095848585	0.2063690438	0.9999537652	1.2312613508
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4.5544554512	0.5691453516	0.9999537652	1.5210253981
1.3114512769	0.3771622845	0.9999537652	1.4339703196
1.6018473574	0.6931423568	0.9999537652	1.372315235
1.1072783692	0.6434680238	0.9999537652	1.5355739057
0	0	0	2.9985540909
-1.4666797245	0.5200574061	0.9999537652	-1.1317444999
1.0817078961	0.766093447	0.9999537652	1.1604822459
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1.1166829721	0.570827938	0.9999537652	-1.0094428686
1.1617402047	0.3642226376	0.9999537652	1.0141235504
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1.1845873495	0.3842763811	0.9999537652	1.0204915949
-1.1062047527	0.6455117653	0.9999537652	-1.2173196102
-1.3834317179	0.4349621548	0.9999537652	-1.2778114429
1.1232387835	0.8893374972	0.9999537652	-2.5494282815
2.7933974408	0.6948713406	0.9999537652	-2.0477227478
1.0923445629	0.6286873067	0.9999537652	1.2364199616
-3.7261776128	0.1087236379	0.9999537652	0
1.0227578616	0.9399987838	0.9999537652	-1.2160210349
-1.0140895429	0.9272405751	0.9999537652	-1.1074043328
1.7745951127	0.5416997886	0.9999537652	-1.9769471573
1.5898914244	0.1238882968	0.9999537652	-1.1081625653
-1.0560883693	0.7572902809	0.9999537652	-1.0949187445
2.2637293736	0.080991002	0.9999537652	-1.4437589708
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1.1286060605	0.866816283	0.9999537652	1.0136522632
4.5545995984	0.5696662339	0.9999537652	1.0682244185
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1.0109046375	0.962223729	0.9999537652	-1.3139605064
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1.0032481056	0.9907056763	0.9999537652	-1.2601852059
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13.3324809638	0.3190079485	0.9999537652	2.9985540909

gene_expression_table

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2.8816679996	0.0400107684	0.9999537652	1.0661970817
2.7933974408	0.6948713406	0.9999537652	0
1.3095754617	0.0877227163	0.9999537652	1.0065666535
-1.1058199357	0.6669196392	0.9999537652	1.0546700183
2.7933974408	0.6948713406	0.9999537652	1.2400291296
-1.1890004485	0.246389918	0.9999537652	1.0649335629
-1.2609714585	0.2279981695	0.9999537652	1.006775724
2.7933974408	0.6948713406	0.9999537652	3.9269887543
-1.1946935256	0.3814918957	0.9999537652	-1.0332654698
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-1.3639673362	0.5907306055	0.9999537652	-1.405957898
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1.2687506623	0.7467517407	0.9999537652	1.0415785031
1.4586470775	0.3940631694	0.9999537652	-1.0742973591
1.0009605121	0.9972645157	0.9999537652	-1.1572065783
1.1825768591	0.4614877039	0.9999537652	1.0441213776
1.337664844	0.0707673575	0.9999537652	1.1754041321
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-1.2027291607	0.1946461226	0.9999537652	1.0670616049
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0	0	0	-5.3589986948
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0	0	0	6.908559683
1.4515847663	0.0869404399	0.9999537652	1.065203236
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0	0	0	-1.1254032646
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-1.0226571002	0.901094485	0.9999537652	1.0897990373
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1.0612749977	0.8740271148	0.9999537652	1.0059581563
-1.246467954	0.1309427953	0.9999537652	1.0334418698
-1.03892764	0.8717901581	0.9999537652	1.0265208468
-1.48121844	0.5565015108	0.9999537652	0
1.0635656281	0.7811427267	0.9999537652	1.0673691188
1.0004886944	0.9974822022	0.9999537652	1.1406433644
1.8169036893	0.0896755479	0.9999537652	-1.254583778
1.4755590332	0.5146767055	0.9999537652	1.2076110237
-1.0677148635	0.8741103012	0.9999537652	-1.2743617254
0	0	0	4.9527501949
1.1636836978	0.5121444977	0.9999537652	-1.1484397129
-1.1421973186	0.5529506241	0.9999537652	1.1087985085
-1.4844123711	0.00662	0.9999537652	-1.3163544464

gene_expression_table

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1.5127636079	0.0216998541	0.9999537652	1.3003119651
2.7933974408	0.6948713406	0.9999537652	-1.8594983184
1.0765769989	0.8446830992	0.9999537652	-1.0682552474
-1.0188463246	0.9373302005	0.9999537652	1.0467757178
3.8622037496	0.61964876	0.9999537652	23.4460379037
1.1050578775	0.4538444757	0.9999537652	1.2666576723
2.7933974408	0.6948713406	0.9999537652	8.8710369702
1.0457737398	0.7996206691	0.9999537652	1.0459149273
-1.6746616296	0.3278246771	0.9999537652	-1.0004315405
2.7933974408	0.6948713406	0.9999537652	0
-1.5570528664	0.4131140951	0.9999537652	1.039747066
-2.1334087267	0.5175577046	0.9999537652	-1.1514942629
4.2566373836	0.0885984513	0.9999537652	-1.2219141927
0	0	0	4.9527501949
0	0	0	1.438718359
-1.1016476186	0.5821501123	0.9999537652	-1.0428418294
-1.1287383113	0.4935577196	0.9999537652	-1.2685780432
2.7933974408	0.6948713406	0.9999537652	0
1.8464669901	0.5922227875	0.9999537652	2.6421916756
-1.1017337822	0.8478287174	0.9999537652	-1.927029328
-1.0020289441	0.9900933782	0.9999537652	-1.3371155224
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-1.8209982108	0.2153860755	0.9999537652	-1.171774559
1.223681156	0.5781187171	0.9999537652	1.0843122041
1.1668597755	0.7359621063	0.9999537652	1.0819688052
-2.9497018331	0.0588564237	0.9999537652	1.2438563437
1.229695584	0.2556650593	0.9999537652	1.2243668844
1.1704029766	0.4610561196	0.9999537652	1.1128827805
1.1435182	0.4181017698	0.9999537652	1.1441005545
1.1263324535	0.8145382651	0.9999537652	-1.1015031859
-6.288827244	0.0293435012	0.9999537652	3.9571433256
-1.1509628501	0.6136349518	0.9999537652	1.2209759256
1.0725249281	0.7997717423	0.9999537652	-1.1711687769
-1.1641924398	0.6558513434	0.9999537652	1.0385141526
1.8388612766	0.4315161138	0.9999537652	3.0008703834
1.021212418	0.935518301	0.9999537652	-1.0359193237
-1.254909014	0.4853647431	0.9999537652	-1.023007165
1.1806772154	0.7495727328	0.9999537652	-1.1278975984
11.5868260078	0.3461772737	0.9999537652	-1.2898906004
-6.9736190158	0.2250321147	0.9999537652	3.8534174358
-1.0538695212	0.9091950398	0.9999537652	-1.3749993982
1.0865066769	0.7974904048	0.9999537652	1.0870661597
2.0354228963	0.4861596009	0.9999537652	-1.5086090391
-1.2756389503	0.1833985031	0.9999537652	-1.0340256646
1.0479097225	0.9147663298	0.9999537652	-1.2240318791
0	0	0	2.996475627
15.1008094413	0.2915612232	0.9999537652	-1.01313437

gene_expression_table

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53.6412760632	0.1197313309	0.9999537652	1.3012351799
4.5505976667	0.5563328301	0.9999537652	0
15.1919090446	0.3045457497	0.9999537652	2.9988886918
1.1535167817	0.7551108836	0.9999537652	-1.0509912817
-1.4010359172	0.6071843271	0.9999537652	1.1234461737
1.2526375214	0.8109284803	0.9999537652	-3.8998793135
-1.1568399326	0.5421961816	0.9999537652	1.210836571
-2.9163669278	0.006007	0.9999537652	-1.4551559136
20.3530564257	0.2434848478	0.9999537652	-1.3789635973
1.0509548006	0.9032023597	0.9999537652	1.2901207628
-1.2611741857	0.4399681334	0.9999537652	-1.9291724354
1.2443472443	0.386778837	0.9999537652	-1.660034509
-1.1611298266	0.674847426	0.9999537652	1.8021226464
1.0174541181	0.9233412317	0.9999537652	-1.2092420544
-2.5861438062	0.4672283668	0.9999537652	0
-1.1615474484	0.4773204886	0.9999537652	-1.1672696386
-2.3882871517	0.0007052	0.9999537652	-2.5201094407
-1.4976958482	0.0645417815	0.9999537652	-1.1966726182
1.1515210251	0.5210981896	0.9999537652	-1.3302470611
0	0	0	3.2466971401
6.3075231393	0.4862237795	0.9999537652	-1.4669967683
1.0434219265	0.7671692197	0.9999537652	1.2458202433
1.1031767962	0.7815083378	0.9999537652	1.1567313963
1.1158583321	0.9296681264	0.9999537652	9.7116702472
1.3147542662	0.4058335228	0.9999537652	1.4980847037
1.1378846384	0.472466636	0.9999537652	1.0036504876
-1.5269106325	0.4137696294	0.9999537652	-1.0699391644
1.3750192721	0.4273948217	0.9999537652	-1.4577791134
0	0	0	1.6439796197
-1.1866539258	0.5374691994	0.9999537652	1.2924138922
1.188489195	0.1920217629	0.9999537652	1.0143999945
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.2437817305	0.326058723	0.9999537652	1.0153595794
-1.6062238006	0.4515764407	0.9999537652	2.0954037025
-1.3458534658	0.4020030831	0.9999537652	-1.0131114019
-1.1179872155	0.6193269101	0.9999537652	1.047013589
-1.3180319268	0.2605711556	0.9999537652	-1.0637928876
0	0	0	6.908559683
-1.2044052565	0.3546926418	0.9999537652	-1.1611494096
-1.2269838739	0.1477034055	0.9999537652	-1.0714700564
1.1628464825	0.3789673533	0.9999537652	1.077508691
-1.0878810912	0.6161405332	0.9999537652	-1.0787609747
1.0633715935	0.6621042142	0.9999537652	-1.1551527277
1.2380436037	0.5087171542	0.9999537652	-1.04155603
-1.0094714013	0.9758225653	0.9999537652	-1.0944955585
1.030307896	0.9667510464	0.9999537652	1.5539805427
-1.0370202165	0.8577820542	0.9999537652	-1.0812845764
-1.0597883439	0.7127534379	0.9999537652	-1.005060256

gene_expression_table

18.9318466825	0.2781664069	0.9999537652	0
-1.1626817313	0.4257088267	0.9999537652	-1.0637726403
-1.1111459599	0.5071111552	0.9999537652	-1.0311822316
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1.3561507449	0.629398347	0.9999537652	1.4542066119
3.2110135335	0.1652033293	0.9999537652	1.2800255125
1.0068767682	0.9786578183	0.9999537652	-1.1344181147
1.0357179724	0.8418230468	0.9999537652	1.0671621789
1.35645026	0.5176296782	0.9999537652	1.1229679312
0	0	0	-2.2358187773
6.3128691894	0.4814674928	0.9999537652	-5.3589986948
0	0	0	-5.3608259368
15.2205810263	0.3051907401	0.9999537652	-1.1248877899
-1.3245325997	0.422692457	0.9999537652	-1.0100398867
1.2494505312	0.2603502817	0.9999537652	-1.5119983952
1.066111387	0.7388063229	0.9999537652	1.105018084
-1.0810971762	0.849058129	0.9999537652	1.0284042522
1.2917344047	0.3133937127	0.9999537652	-1.0457065855
-1.1814667754	0.3423587163	0.9999537652	-1.1276417639
4.5505976667	0.5562991171	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	2.0626766153
0	0	0	4.9527501949
1.3594099105	0.7971568125	0.9999537652	1.4521160839
1.0819921721	0.7095507835	0.9999537652	-1.134031787
4.5505976667	0.5562571852	0.9999537652	-4.9774159092
1.0064665989	0.9768981976	0.9999537652	1.1714076481
2.7933974408	0.6948713406	0.9999537652	2.9985540909
2.7933974408	0.6948713406	0.9999537652	-6.3473723183
1.0511544362	0.7969562445	0.9999537652	1.1933507799
-1.0960739249	0.4602576868	0.9999537652	-1.033388119
-1.2286854188	0.1466160924	0.9999537652	-1.0232625697
0	0	0	-2.0467835026
1.4008305856	0.6299599604	0.9999537652	-2.4599066101
-1.1233419277	0.6945016606	0.9999537652	-1.1643220052
6.3075231393	0.4861796293	0.9999537652	1.6470100299
-2.0025825252	0.456359036	0.9999537652	1.5919129963
1.0994820275	0.5779163587	0.9999537652	1.4370261445
1.1469711324	0.344959478	0.9999537652	1.1666741801
1.1459153227	0.6017347741	0.9999537652	1.1973645778
-1.4776048529	0.4065393083	0.9999537652	-1.6364712014
3.0602334741	0.3285759071	0.9999537652	0
-1.3596770852	0.7810203465	0.9999537652	-1.0958850627
-2.3181698201	0.1836451987	0.9999537652	-1.2386335486
2.3808533718	0.153601287	0.9999537652	-1.2344071947
1.3256146221	0.0700660036	0.9999537652	-1.1073780404
1.1736749605	0.2414473385	0.9999537652	1.1764158184
1.7022866271	0.1750107412	0.9999537652	1.4970505639
1.6054143334	0.5414357928	0.9999537652	1.0338956323
4.5505976667	0.5561869329	0.9999537652	1.1226213608

gene_expression_table

1.0287239533	0.8546577586	0.9999537652	-1.0104170195
-1.0020339672	0.9880688053	0.9999537652	-1.049171694
1.953521676	0.2100934579	0.9999537652	-1.1676567136
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.0000938499	0.9996105876	0.9999537652	-1.0191372757
-1.0557017092	0.7665945745	0.9999537652	-1.1032338365
4.5505976667	0.5561580072	0.9999537652	6.908559683
0	0	0	0
0	0	0	6.908559683
1.4391923523	0.3770548623	0.9999537652	-1.1146602513
-1.251751213	0.6788034812	0.9999537652	-1.0998368348
1.3203746378	0.1870717086	0.9999537652	-1.3081460647
1.1822500266	0.5915448618	0.9999537652	-1.2758565713
2.7957660672	0.7054573471	0.9999537652	12.7732027325
1.5721822191	0.1606232785	0.9999537652	1.0236515308
-2.223376117	0.5879069091	0.9999537652	2.046451628
-1.1035861323	0.6503800652	0.9999537652	1.2373775498
-1.0869970173	0.8275762782	0.9999537652	-1.4494702798
-1.0653719869	0.7788560702	0.9999537652	1.1292924556
1.1945489934	0.3486330812	0.9999537652	-1.1242721237
1.2637355251	0.7540419027	0.9999537652	-1.4566656456
-1.121196012	0.66498757	0.9999537652	1.1253364549
1.4325240009	0.2069964187	0.9999537652	-1.1733158479
-1.0085355311	0.9930346205	0.9999537652	1.2398837679
1.0362702605	0.9655851499	0.9999537652	1.6418498278
-1.6994504307	0.5419668182	0.9999537652	1.3547781079
1.3317767424	0.1992633387	0.9999537652	-1.7747551607
-1.0517171444	0.8251395003	0.9999537652	1.0105238852
6.2299503085	0.0751870433	0.9999537652	1.1395888107
3.4578336419	0.004319	0.9999537652	1.3630456425
2.5552811191	0.2419329475	0.9999537652	-4.3692038192
-1.1038391045	0.6717451347	0.9999537652	-1.0318603456
1.3360869003	0.3330402362	0.9999537652	-1.1064766672
3.2736636389	0.0978249605	0.9999537652	1.127103216
1.5021571103	0.2069953103	0.9999537652	1.2468284343
1.1293956656	0.3532611304	0.9999537652	-1.374673629
-1.8908250111	0.5555239461	0.9999537652	-4.9108225367
2.7933974408	0.6948713406	0.9999537652	-2.5071004691
2.0813661621	0.3172021396	0.9999537652	1.0164363995
1.1832039436	0.4341537957	0.9999537652	1.0829567717
1.3923292999	0.713350935	0.9999537652	-1.1412590179
1.4162196156	0.1286446983	0.9999537652	-1.0078804636
1.1070641608	0.5584639263	0.9999537652	-1.0783708852
-1.0415260168	0.7842709791	0.9999537652	1.1305699783
1.1124051152	0.5950574551	0.9999537652	1.5524058421
2.7933974408	0.6948713406	0.9999537652	1.9292743022
1.0523610038	0.7493744866	0.9999537652	1.0571043664
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-1.2836417843	0.2574505269	0.9999537652	-1.9426625187

gene_expression_table

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1.263979281	0.1005763855	0.9999537652	1.0167207218
-1.1765350641	0.5848332895	0.9999537652	1.0584041868
-1.0142452712	0.9342523881	0.9999537652	1.387787332
1.0037516139	0.9871352156	0.9999537652	1.1001295429
0	0	0	-1.9403006466
1.2351468843	0.1112755147	0.9999537652	-1.0280863348
2.7933974408	0.6948713406	0.9999537652	0
1.2246548654	0.6157074648	0.9999537652	-1.0130248265
-1.2431005095	0.4816230389	0.9999537652	-1.0430145029
-1.1356228087	0.6491735257	0.9999537652	-1.0655924886
1.0282459458	0.9687926839	0.9999537652	-1.5462126468
1.0913024785	0.686817292	0.9999537652	1.1655150126
1.0431845699	0.7474082564	0.9999537652	1.4737622543
-1.253267676	0.1034114353	0.9999537652	1.010286565
2.3273576668	0.167482631	0.9999537652	-1.715175694
1.0275436744	0.9019313437	0.9999537652	1.2298834542
-1.1997001219	0.3037766307	0.9999537652	-1.1841176034
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-1.0464981522	0.8171357685	0.9999537652	1.2279497699
1.0395710976	0.8463473807	0.9999537652	1.4866411378
2.7933974408	0.6948713406	0.9999537652	1.2698746349
-1.1979632149	0.429775155	0.9999537652	-1.1193617104
1.6462932404	0.5843296474	0.9999537652	-2.7463406416
-1.0024905434	0.9933822734	0.9999537652	-1.1447899711
-1.6124601893	0.0384199601	0.9999537652	-1.0931172792
2.189053179	0.0153209584	0.9999537652	1.7028255667
3.5444921315	0.2673911736	0.9999537652	1.1120558165
0	0	0	16.0748987101
8.064174035	0.4238757759	0.9999537652	-3.7211335265
1.2242429853	0.3120906136	0.9999537652	-1.5626631862
1.1598817343	0.4692331533	0.9999537652	1.2997348813
1.1691438373	0.3737364535	0.9999537652	1.1769727091
1.2180425134	0.1944775843	0.9999537652	-1.0041810378
1.5303596704	0.0207133392	0.9999537652	1.3463368731
-1.3669830632	0.109907973	0.9999537652	1.0673610223
1.0573525321	0.7135563237	0.9999537652	-1.1469809416
1.2115978667	0.312891221	0.9999537652	1.2276273407
1.0191377156	0.9602924614	0.9999537652	-1.0102528506
1.2668413654	0.207412658	0.9999537652	1.2523444325
-1.0256289156	0.9086093884	0.9999537652	1.2458120923
-1.2279344853	0.3577981705	0.9999537652	-1.180160306
1.3515500654	0.3003658593	0.9999537652	1.0382087646
-1.0982242123	0.6078529122	0.9999537652	-1.1937344346
2.0032022457	0.3619618067	0.9999537652	1.2273613936
-1.9924022667	0.0906760315	0.9999537652	1.1303568222

gene_expression_table

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-1.0467643843	0.7403727899	0.9999537652	-1.1201074723
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1.2078564839	0.5676101056	0.9999537652	1.0051370783
-1.9751371463	0.1529716611	0.9999537652	-1.6408646877
4.5505976667	0.556132005	0.9999537652	0
4.5505976667	0.5561082901	0.9999537652	-5.1739447884
2.7933974408	0.6948713406	0.9999537652	2.2955915087
-1.4002029808	0.0580088814	0.9999537652	-1.1009278353
1.3801211037	0.2826357677	0.9999537652	-1.1938750561
1.0280692272	0.8647011676	0.9999537652	-1.3357442966
-1.2620409198	0.6225761548	0.9999537652	-1.0641213227
-1.2788125598	0.1432637523	0.9999537652	-1.381729217
-1.2348596062	0.5229224908	0.9999537652	1.0858980158
8.064174035	0.4238744414	0.9999537652	-2.0448962242
-1.0122239484	0.9560546715	0.9999537652	-1.2875781996
1.0200819327	0.9466776035	0.9999537652	1.15141394
0	0	0	10.818785458
1.0109184602	0.9303589463	0.9999537652	-1.087377481
-1.0973160202	0.6306645382	0.9999537652	-1.0301650575
-1.0604024991	0.79561619	0.9999537652	-1.0591944152
-1.1423160089	0.6824108333	0.9999537652	1.1069621951
-1.2978773206	0.2129267365	0.9999537652	1.1265041036
-1.092139102	0.6399378859	0.9999537652	1.0464983022
1.1571172166	0.3601129168	0.9999537652	1.1458014355
-2.236788418	0.3266929719	0.9999537652	-1.1200409105
-1.4178743856	0.1287345727	0.9999537652	-1.1600137412
-1.5554675182	0.0163030502	0.9999537652	-1.1247692664
4.5505976667	0.5560863595	0.9999537652	-4.6920174118
-1.0272368189	0.8797232709	0.9999537652	-1.2751749469
1.0719128465	0.584535402	0.9999537652	1.453161514
-1.3245004224	0.0307969155	0.9999537652	1.1886705827
4.5544554512	0.5691433571	0.9999537652	-4.3722641122
1.1241226732	0.8926902791	0.9999537652	-1.1708308502
1.7647165815	0.0597468529	0.9999537652	1.2825358522
0	0	0	-5.3583704783
0	0	0	2.996475627
-1.0392708541	0.8458751301	0.9999537652	1.253018982
1.3612474801	0.3750878438	0.9999537652	-1.3542976344
1.2323865332	0.2800221673	0.9999537652	1.3827196778
-1.1680863849	0.8568284088	0.9999537652	1.3387790497
-1.5208575531	0.0746295657	0.9999537652	1.1380775944
-1.3329960572	0.1193763663	0.9999537652	1.3819189474
1.2498120241	0.1170317475	0.9999537652	1.0266614246
0	0	0	10.8262784008
1.4834137528	0.2112356808	0.9999537652	-1.0013772798
-1.1512865013	0.3785281582	0.9999537652	1.010529564
-1.233588922	0.1636553884	0.9999537652	-1.0599868972
1.0594228089	0.6268420638	0.9999537652	1.0811375866

gene_expression_table

1.2702545883	0.4401717939	0.9999537652	1.1037062644
1.1681770476	0.2600413715	0.9999537652	1.051679934
1.0037640145	0.980765678	0.9999537652	1.0867500154
-1.0662897099	0.7266335214	0.9999537652	1.2130735705
-1.5326271468	0.2938516578	0.9999537652	-1.0785343651
-1.2155605447	0.1891699723	0.9999537652	-1.3132139096
4.5544554512	0.5691413627	0.9999537652	1.5908108123
-1.0591089595	0.7028910207	0.9999537652	1.0013146358
-1.842677928	0.4680134363	0.9999537652	-1.1242401582
2.7933974408	0.6948713406	0.9999537652	-1.8601323346
-1.5288655916	0.5023053785	0.9999537652	-3.0224955488
1.1140457014	0.6784957406	0.9999537652	-1.2041068002
-1.2583336287	0.8351114694	0.9999537652	1.440358797
-1.202939207	0.3143302746	0.9999537652	-1.1779462793
2.7957660672	0.7054596996	0.9999537652	0
1.0722775422	0.6556950068	0.9999537652	1.1543073472
-1.1786859467	0.3667046044	0.9999537652	-1.0901705567
-1.802154181	0.1425967086	0.9999537652	1.1095113765
-1.1457555741	0.9107285115	0.9999537652	1.0606581302
8.064174035	0.4238731068	0.9999537652	-7.959096917
-1.1358678147	0.4180873187	0.9999537652	1.3202505372
-1.5881570201	0.7110208511	0.9999537652	1.9416545697
-2.0390556158	0.0556320943	0.9999537652	-1.2495268798
1.0459683271	0.8555993664	0.9999537652	1.188497982
-1.505965599	0.529615042	0.9999537652	-1.1297098826
1.4652402235	0.3490070957	0.9999537652	1.2082749083
-1.9289169832	0.1905518369	0.9999537652	-1.3574402742
1.0852187741	0.5125551742	0.9999537652	1.1498771274
2.7933974408	0.6948713406	0.9999537652	-3.3826461929
-1.1427037524	0.4763009816	0.9999537652	1.3430349324
1.1704229895	0.4645420883	0.9999537652	1.147577427
1.0625660793	0.7893754683	0.9999537652	-1.1412760187
-2.5871290907	0.4991362671	0.9999537652	1.8445572683
4.5544554512	0.5691393684	0.9999537652	12.7732027325
4.5505976667	0.5560657957	0.9999537652	6.908559683
-1.096920501	0.6892125686	0.9999537652	-1.0570735447
1.0559411056	0.7551192743	0.9999537652	1.0592181781
1.2893973291	0.2926371768	0.9999537652	1.5726447983
-1.5875118025	0.720251633	0.9999537652	3.7001724876
0	0	0	0
1.204998764	0.3010833591	0.9999537652	1.417651017
-1.392339597	0.6755381597	0.9999537652	2.4345137645
0	0	0	2.9985540909
-1.2173029028	0.0902143968	0.9999537652	1.0370998287
-1.131171467	0.7648067589	0.9999537652	1.5264438305
-1.2930181341	0.0956381807	0.9999537652	-1.0896796757
-1.2572750762	0.4052101402	0.9999537652	1.4040927879
-1.0991276914	0.5516200718	0.9999537652	1.3293577153
1.0741436455	0.6128534745	0.9999537652	1.2375014729

gene_expression_table

1.3026120258	0.7423968732	0.9999537652	-1.4281216211
1.3823751836	0.5608616322	0.9999537652	1.0286352509
0	0	0	2.996475627
1.1193074263	0.6072481997	0.9999537652	1.0590215726
13.3324809638	0.3193640946	0.9999537652	2.9940379764
3.8622037496	0.6196181007	0.9999537652	0
-1.3842138473	0.5497909944	0.9999537652	-1.7724539785
1.0971336136	0.721275385	0.9999537652	1.3570002307
1.1879709748	0.4662950507	0.9999537652	1.4611233905
4.5505976667	0.5560462223	0.9999537652	-1.1520337027
-1.1208016402	0.473577852	0.9999537652	1.0247423279
1.0392068921	0.7682938924	0.9999537652	1.2969007265
-1.0461124926	0.8234169422	0.9999537652	1.2341202131
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.092409221	0.8382741486	0.9999537652	1.245516455
-1.7956491197	0.1167857588	0.9999537652	1.1088050775
1.1399992826	0.6331216595	0.9999537652	1.3380476217
-2.0695649939	0.2615065035	0.9999537652	1.8007532435
1.1742141824	0.3744016908	0.9999537652	1.3402133879
11.5766527773	0.3455050172	0.9999537652	1.2593062028
0	0	0	2.9985540909
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.8984965231	0.3733514763	0.9999537652	1.1041736379
-1.1068338728	0.615198139	0.9999537652	1.1687219536
-1.1203230916	0.4426459321	0.9999537652	1.1049617158
6.3075231393	0.4861356763	0.9999537652	-1.358587248
0	0	0	1.590997316
2.8674152405	0.0540694617	0.9999537652	-1.095747511
-1.0792445099	0.8001475681	0.9999537652	1.1543048025
-1.1798309713	0.3777268943	0.9999537652	1.3203855356
1.3966050591	0.1303197189	0.9999537652	1.0347583869
2.7933974408	0.6948713406	0.9999537652	0
-1.1836454075	0.6002404187	0.9999537652	1.2625261472
6.3075231393	0.4860919192	0.9999537652	10.818785458
11.5766527773	0.345492614	0.9999537652	4.9527501949
2.0707589375	0.069546204	0.9999537652	1.2182278002
-1.1984339434	0.5246452917	0.9999537652	1.0695058583
1.4714168225	0.4767765058	0.9999537652	1.2400674234
4.5505976667	0.5560272763	0.9999537652	0
0	0	0	0
2.2819357465	0.3099613476	0.9999537652	1.2947771782
-1.0546187585	0.8496444247	0.9999537652	1.4420993255
1.332233652	0.6933826263	0.9999537652	1.0260196848
-1.4364779627	0.0997278458	0.9999537652	1.5245109895
0	0	0	22.5851407947
1.9925935006	0.0619633288	0.9999537652	1.304595304
1.3480788142	0.7449357005	0.9999537652	3.63273905
-1.1212262383	0.5153069526	0.9999537652	-1.0658168347
-1.125291708	0.6343934928	0.9999537652	1.2532564108

gene_expression_table

-1.0511738413	0.843379991	0.9999537652	1.3041555449
1.2406255197	0.5479456661	0.9999537652	3.8452636367
-1.5087575773	0.0263021649	0.9999537652	1.106995005
1.0079285648	0.9591159418	0.9999537652	1.3150992382
-1.1314980094	0.8432613978	0.9999537652	1.2022796328
1.0519812542	0.6921062325	0.9999537652	1.2166961959
-1.0249860165	0.9391489357	0.9999537652	1.1340447181
1.0290698449	0.828839208	0.9999537652	-1.2183943128
2.0852096246	0.0005036	0.9999537652	1.0619816487
-1.0588471763	0.635560031	0.9999537652	1.0048277686
4.5505976667	0.5560085526	0.9999537652	0
4.5505976667	0.5559558646	0.9999537652	-1.9771482009
-1.0032839687	0.9813634982	0.9999537652	1.2160179625
0	0	0	6.9133480437
1.156559555	0.5167778306	0.9999537652	1.7661304954
-1.1411681157	0.6272034293	0.9999537652	-1.3865388198
-1.2447511482	0.4525099718	0.9999537652	1.5677035527
-1.0748325078	0.7892516418	0.9999537652	1.0949964284
1.1671034383	0.5180434207	0.9999537652	-1.0960325565
-1.0359450606	0.756812221	0.9999537652	1.136315332
0	0	0	3.0002604593
-1.2430627591	0.6053999059	0.9999537652	1.3478082381
-1.0247494686	0.8689405362	0.9999537652	1.152265706
1.9989289019	0.2187844789	0.9999537652	-1.4683302163
1.0638984996	0.8108554386	0.9999537652	1.0760100827
1.1332113201	0.6534093832	0.9999537652	1.2460833343
1.0789600992	0.5241258421	0.9999537652	1.4156396796
-1.0347070303	0.7634790813	0.9999537652	1.1334731983
1.0543450169	0.6867875909	0.9999537652	1.043364822
1.1162834585	0.9271775215	0.9999537652	1.8396312969
1.1757527805	0.5136398178	0.9999537652	-1.1070711108
-1.5293553469	0.1726570613	0.9999537652	1.1305594983
-1.0317755932	0.8669683763	0.9999537652	1.105575701
-1.294675136	0.2289338838	0.9999537652	1.0815198275
2.7933974408	0.6948713406	0.9999537652	1.590997316
-1.4848828492	0.5184831105	0.9999537652	-1.1668348393
1.0144764616	0.9174454092	0.9999537652	1.6042374236
1.3177384511	0.2167116969	0.9999537652	-1.1973886373
4.5505976667	0.5559322269	0.9999537652	24.4899985757
-2.770555493	0.2451776615	0.9999537652	1.1519219883
1.3763731265	0.0862569354	0.9999537652	1.8254317785
-1.0377743758	0.8141039036	0.9999537652	1.1601852501
5.743746418	0.0979203093	0.9999537652	1.0675791322
2.7933974408	0.6948713406	0.9999537652	0
1.1162834585	0.9271695543	0.9999537652	1.1692101602
2.0903962787	0.5155815843	0.9999537652	-1.0342584907
3.8622037496	0.6195874233	0.9999537652	0
9.8205505243	0.3807299055	0.9999537652	-2.0479626835
-1.0008217171	0.9952338996	0.9999537652	1.4218960869

gene_expression_table

-1.1554181492	0.5064426488	0.9999537652	1.2531440909
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1.118812399	0.6352956877	0.9999537652	1.471276757
-1.026165804	0.8651524742	0.9999537652	-1.0986846103
6.3075231393	0.4860483568	0.9999537652	6.908559683
-1.0299520986	0.9189704341	0.9999537652	1.4105733886
-2.5871290907	0.5001526277	0.9999537652	1.0010497037
0	0	0	14.7271569203
-1.0440298828	0.7467999051	0.9999537652	1.2748936662
1.2244062091	0.4469566494	0.9999537652	1.2161760926
1.0998914838	0.4759839691	0.9999537652	1.2223179451
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
1.3853136987	0.2104107263	0.9999537652	1.2120683062
-2.956038745	0.3205445351	0.9999537652	1.2407431382
0	0	0	-1.1248877899
0	0	0	2.9985540909
1.1004172696	0.7633299299	0.9999537652	1.3076031106
-1.4848615221	0.0895956076	0.9999537652	-1.0953182414
-1.0211615507	0.921903176	0.9999537652	1.2048793088
-1.0578723963	0.8950454676	0.9999537652	-1.1996932824
-1.5875118025	0.7201624284	0.9999537652	2.996475627
1.0020230375	0.9880315615	0.9999537652	1.3560981859
1.9109421781	0.1038210115	0.9999537652	-1.1149624023
1.2472630397	0.1768121081	0.9999537652	1.0691555635
-1.4882495476	0.3279660734	0.9999537652	-1.0604946197
-1.3441341749	0.0403719052	0.9999537652	-1.0737421053
1.0930933484	0.7610281373	0.9999537652	1.2564317896
1.1153938333	0.5645442986	0.9999537652	-1.1471673829
-3.8398244263	0.1426434157	0.9999537652	-1.6150741373
-1.0527716198	0.7810666485	0.9999537652	1.3010135507
-1.0694171877	0.7207843454	0.9999537652	1.0008115873
1.1200130315	0.7178601348	0.9999537652	1.2497045511
4.0084683418	0.0108545582	0.9999537652	-1.1303199936
4.5505976667	0.5559322269	0.9999537652	0
-1.0931432807	0.6353510769	0.9999537652	1.1612153826
0	0	0	-1.0338466263
1.0403528193	0.7881957561	0.9999537652	1.1473384245
3.9737398722	0.006509	0.9999537652	1.4776466071
-1.028698786	0.8823688146	0.9999537652	1.0824540407
-1.1000448055	0.5056013103	0.9999537652	-1.0263852321
1.1289026269	0.3134861446	0.9999537652	1.0666040466
2.6183639153	0.1357369211	0.9999537652	1.4132245309
1.1762411247	0.247933662	0.9999537652	1.1687659061
1.1844918384	0.3708548278	0.9999537652	1.0484333805
1.0497214602	0.7910595133	0.9999537652	-1.1124285129
1.815284058	0.3121519927	0.9999537652	1.1897884937
-1.0188647301	0.9230170338	0.9999537652	1.4848968124
6.3075231393	0.4860366635	0.9999537652	0
1.0593319107	0.6710588382	0.9999537652	1.0339039494

gene_expression_table

1.4673678633	0.0900579715	0.9999537652	1.0516310446
-1.1961569164	0.3289804901	0.9999537652	-1.1002693383
0	0	0	2.9985540909
-1.2520757133	0.7407098251	0.9999537652	1.2398837679
2.7933974408	0.6948713406	0.9999537652	6.9133480437
1.0469036191	0.9171043411	0.9999537652	1.0650049364
-1.1442445428	0.5576090232	0.9999537652	1.0743030847
1.3869904012	0.44401117	0.9999537652	1.0901934502
1.4922545969	0.0236609616	0.9999537652	1.3611385554
6.3075231393	0.4860250059	0.9999537652	0
1.1469777922	0.3037710611	0.9999537652	-1.0891166814
-1.014058902	0.9221479262	0.9999537652	-1.2977693598
-1.9778106374	0.0339813794	0.9999537652	-1.5076686263
-1.7379985875	0.4182179352	0.9999537652	-1.8659789582
7.0692834839	0.00156	0.9999537652	-1.0685193139
-1.3950582798	0.0732387555	0.9999537652	-1.142810852
-1.0574046063	0.842697829	0.9999537652	-1.0429569403
-1.1545729319	0.396872709	0.9999537652	-1.0676728044
1.0477127772	0.7469147306	0.9999537652	-1.2437031779
-1.2945287741	0.1500995226	0.9999537652	-1.3494181631
0	0	0	2.996475627
-1.0625772242	0.8570383349	0.9999537652	-1.4208519446
1.093033967	0.7004447746	0.9999537652	1.1511588411
-1.0127601346	0.9849704122	0.9999537652	1.4392443705
-1.2105448354	0.628782535	0.9999537652	1.0763998677
34.3811030879	0.1695345472	0.9999537652	-1.2057326182
6.3075231393	0.4860133837	0.9999537652	0
-1.1609777944	0.5414065951	0.9999537652	-1.1547648734
-1.504262006	0.5482599376	0.9999537652	-1.230881042
-1.1582067332	0.3579625886	0.9999537652	-1.0510331066
0	0	0	2.9985540909
0	0	0	4.9527501949
-1.7955716613	0.0978281245	0.9999537652	-1.0099746571
-2.6334517422	0.2822155674	0.9999537652	1.4854894758
1.0326847566	0.8992595069	0.9999537652	1.039177202
-1.0466032624	0.7933392625	0.9999537652	-1.1075571388
1.0766281756	0.7603579762	0.9999537652	1.0273873026
1.9493977999	0.0009916	0.9999537652	-1.0169382921
1.2782678456	0.604721955	0.9999537652	-1.1385829569
-1.2306946963	0.359160313	0.9999537652	1.2016520959
-1.090368761	0.5389862364	0.9999537652	-1.2888330094
-1.0906176713	0.8531565178	0.9999537652	-1.2954034602
-1.136183371	0.8057549443	0.9999537652	-2.1111702588
1.5211587958	0.0523829531	0.9999537652	-1.070741648
1.4238667314	0.6195250225	0.9999537652	1.2047455501
-1.2389914222	0.6635972442	0.9999537652	1.8306186492
1.2619151399	0.3652198033	0.9999537652	-1.5168094574
1.0252520669	0.8760344029	0.9999537652	-1.5150083371
-1.1512781114	0.7854255457	0.9999537652	1.0544109503

gene_expression_table

-1.1794425288	0.4031272578	0.9999537652	-1.1037921198
-1.0312044602	0.9596472616	0.9999537652	1.589769722
1.0842093679	0.5412480899	0.9999537652	-1.4272870349
-2.7335321369	0.2490565315	0.9999537652	-1.3380993941
-1.6073007454	0.0202466001	0.9999537652	-1.3506333614
1.3495521868	0.0874030743	0.9999537652	-1.1286733321
-1.2450467244	0.0947016616	0.9999537652	-1.2368045235
1.2659104578	0.4785111008	0.9999537652	1.008280716
-1.0108515467	0.9508273126	0.9999537652	-1.1431987952
8.064174035	0.4238717721	0.9999537652	2.8664963163
-1.1865676628	0.5690576636	0.9999537652	1.3496298223
-1.1300516051	0.6663988981	0.9999537652	-1.2363877643
1.0878907018	0.5982231518	0.9999537652	-1.3063999561
-15.9195842901	0.1126921344	0.9999537652	-1.2400060274
1.2234935363	0.2381893954	0.9999537652	-1.1656804666
-1.7534510083	0.0213841044	0.9999537652	-1.4211325518
0	0	0	-5.3583704783
-4.082259813	0.0865030055	0.9999537652	1.8579562448
1.2753356422	0.5434358999	0.9999537652	1.5756519876
1.1521671675	0.3673954124	0.9999537652	1.1350579548
-1.0555448873	0.9030301231	0.9999537652	-1.1726476675
-1.4779519502	0.2659872162	0.9999537652	-1.5241488866
1.0203497736	0.9264745777	0.9999537652	-1.1535949179
1.2652283139	0.2289003875	0.9999537652	-1.2572718305
-1.3063736302	0.3626238901	0.9999537652	-1.0449589771
-1.1787484764	0.4365212228	0.9999537652	-1.6772522202
2.7957660672	0.7054620531	0.9999537652	-3.384595918
-1.573893529	0.2356637856	0.9999537652	-1.2586486911
1.2753463182	0.5162378043	0.9999537652	-1.714471873
1.3956459719	0.1865325055	0.9999537652	-1.1059237123
-1.0245499429	0.8788103643	0.9999537652	-1.0248500214
-1.4822156075	0.2061356705	0.9999537652	-2.5095924535
1.597327124	0.1280737435	0.9999537652	1.0912384513
-1.8640511245	0.1065080695	0.9999537652	-1.9005143595
2.7957660672	0.7054644074	0.9999537652	-1.3480816769
-1.4512821826	0.2370805236	0.9999537652	1.2932948092
2.4268643346	0.3294885846	0.9999537652	-3.1966011202
1.0950595181	0.4211459173	0.9999537652	-1.043473629
1.2910557943	0.704145754	0.9999537652	1.5870215946
-1.4352458527	0.2366549231	0.9999537652	-1.1244734224
1.0119574961	0.9473068488	0.9999537652	1.0034723554
1.0537087738	0.8868394946	0.9999537652	1.1580671904
1.4611545842	0.2881040191	0.9999537652	1.4529814156
0	0	0	2.9940379764
-1.2636369764	0.1957768282	0.9999537652	-1.0192254213
2.5744732225	0.3974207695	0.9999537652	12.7732027325
1.0639635919	0.7892627316	0.9999537652	-1.0134503259
27.993011587	0.2236144496	0.9999537652	15.9659633994
-1.1502960954	0.4127922158	0.9999537652	1.4008042313

gene_expression_table

-1.2503735004	0.3271451624	0.9999537652	1.0307693933
1.846361394	0.5888000048	0.9999537652	3.7228836277
1.1025078533	0.6905610816	0.9999537652	1.2033064354
2.7933974408	0.6948713406	0.9999537652	1.6002511223
-1.4188646248	0.0622726091	0.9999537652	-1.0351980454
-1.1166060857	0.7845538891	0.9999537652	1.0633590063
1.2268003525	0.2413132626	0.9999537652	1.098599093
-1.8115085429	0.2692387521	0.9999537652	-1.0185380321
2.7933974408	0.6948713406	0.9999537652	-3.3865434896
-1.7495393231	0.2946621704	0.9999537652	2.0660460667
1.1111689845	0.7746968261	0.9999537652	1.2874037577
1.0498311458	0.8306714879	0.9999537652	1.0788718564
-1.2877681807	0.3773172709	0.9999537652	-1.4292611129
2.1181846932	0.2873564908	0.9999537652	1.0974312001
-3.810840035	0.0393067864	0.9999537652	-1.0118063622
6.3075231393	0.485991399	0.9999537652	-5.3589986948
-1.1253908775	0.7699914311	0.9999537652	1.2289396219
2.7933974408	0.6948713406	0.9999537652	-2.9680235826
0	0	0	0
-1.507422654	0.2480063086	0.9999537652	1.1764844331
-1.1790661357	0.4941561938	0.9999537652	-1.0048754531
1.0763637626	0.7989155489	0.9999537652	1.2006482502
-4.1032936321	0.1311326696	0.9999537652	1.3191741898
1.0903220495	0.7194056375	0.9999537652	1.3785947705
1.6413775565	0.0435328636	0.9999537652	1.1577567294
2.7933974408	0.6948713406	0.9999537652	-2.2219162835
-1.2891893615	0.1195691436	0.9999537652	-1.167270675
1.3070686944	0.1888778973	0.9999537652	1.0473379371
-1.7985323208	0.1473844049	0.9999537652	-1.2556088491
1.3594099105	0.7971167452	0.9999537652	1.2518582418
0	0	0	2.996475627
2.0903298609	0.5114050435	0.9999537652	1.0987070368
-1.576892299	0.0477677988	0.9999537652	1.1261796796
1.3395236905	0.1215756857	0.9999537652	1.2017641724
-1.8528058048	0.3376652504	0.9999537652	1.4371102393
-1.3309434275	0.3375674134	0.9999537652	-1.1984855355
-1.0145301364	0.9514000841	0.9999537652	-1.0186730775
2.7933974408	0.6948713406	0.9999537652	-2.9683711557
-2.5871290907	0.5001433169	0.9999537652	63.4727107264
2.2818443854	0.1549935697	0.9999537652	-1.4331129499
-1.1401584779	0.5056831895	0.9999537652	-1.2342067931
-1.1152158598	0.7252519352	0.9999537652	1.0542313768
1.2244113984	0.2244684982	0.9999537652	-1.167532326
1.146608954	0.6076381521	0.9999537652	1.0764068009
-1.0009808156	0.992937265	0.9999537652	1.1503546051
1.0565915369	0.9283513222	0.9999537652	-1.0393789722
1.9280222804	0.3895230563	0.9999537652	-1.069803044
-1.926212649	0.1054881872	0.9999537652	-1.1839994128
-1.0279795459	0.8967156292	0.9999537652	1.0064885048

gene_expression_table

-1.3942756209	0.3552817278	0.9999537652	1.6896352024
1.0269306994	0.9011584917	0.9999537652	-1.0841658469
1.0217259552	0.9233721563	0.9999537652	1.2499588597
1.2925565279	0.0918533018	0.9999537652	1.1228198908
3.3414463545	0.157992645	0.9999537652	-1.3978714673
-1.0289093964	0.9379985024	0.9999537652	1.2121282152
1.0522322073	0.8774307068	0.9999537652	-1.0154986484
1.2731181768	0.6677270521	0.9999537652	1.1245963244
2.7933974408	0.6948713406	0.9999537652	1.3564862013
1.1664424503	0.8015890884	0.9999537652	1.4223160585
2.7933974408	0.6948713406	0.9999537652	0
-1.0545936768	0.8933447844	0.9999537652	1.0815742139
1.044334363	0.8636652493	0.9999537652	-1.0195416024
1.3307714562	0.5811271186	0.9999537652	-1.1383960977
-1.3401808496	0.2027921056	0.9999537652	-1.2541169899
1.0754769463	0.7144143202	0.9999537652	1.5372642173
9.8205505243	0.3807094839	0.9999537652	1.9445634487
-1.1218098909	0.5510443206	0.9999537652	-1.1723859301
1.0086997665	0.9452979865	0.9999537652	1.0878462848
-1.168257259	0.3873156049	0.9999537652	-1.0272218532
1.1568397069	0.3320958117	0.9999537652	-1.1572145347
-4.815549291	0.1726839831	0.9999537652	12.7909013375
1.0155688328	0.9216307978	0.9999537652	1.0018024777
-1.0763806691	0.7034134232	0.9999537652	1.2490382867
1.1113887432	0.5961317206	0.9999537652	1.0301623611
-3.1138217608	0.2426045889	0.9999537652	-1.0951294003
-1.2360491754	0.3323501145	0.9999537652	1.235598801
1.0630168449	0.6667778791	0.9999537652	-1.5330591469
-1.3897388782	0.1920912332	0.9999537652	-1.1992680067
1.1473113052	0.4128970649	0.9999537652	1.3837522387
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1.0596691157	0.9162025465	0.9999537652	1.0527870164
1.2037990876	0.6685036296	0.9999537652	1.0697707471
2.193145556	0.2487130696	0.9999537652	-1.5933224346
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-1.22580301	0.2650886501	0.9999537652	-1.4632960373
9.8205505243	0.3806891435	0.9999537652	1.3244668493
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1.4808896861	0.3575772774	0.9999537652	-1.2605642381
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0	0	0	2.996475627
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1.0497795381	0.711217781	0.9999537652	-1.0045056863

gene_expression_table

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2.8246852305	0.2266224563	0.9999537652	-1.4682504234
-1.5432214039	0.2661914512	0.9999537652	-1.0957832685
-1.0228241935	0.9602350711	0.9999537652	-1.1700961977
15.0880352532	0.2955018616	0.9999537652	1.591370391
1.2658068701	0.6067999709	0.9999537652	-1.0240583004
1.253220623	0.8068932382	0.9999537652	-1.4512547171
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1.0810578719	0.678556242	0.9999537652	-1.0880880289
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1.0915963427	0.6802608014	0.9999537652	-1.1119809211
4.0453524072	0.2056884022	0.9999537652	1.1706814519
1.009463014	0.9792213211	0.9999537652	1.2086552941
1.3725069946	0.0832907945	0.9999537652	1.2569250149
1.1264410515	0.3561063146	0.9999537652	-1.0213636867
-2.0532004703	0.0154317799	0.9999537652	-1.0385191309
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1.04061447	0.8736794877	0.9999537652	1.1447998
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1.0085798906	0.9777182187	0.9999537652	-1.2486117439
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1.1460770273	0.37607337	0.9999537652	1.4457781222
1.0581484739	0.9223492423	0.9999537652	-1.7727302113
1.219049643	0.6885407647	0.9999537652	1.2266238482
1.1033131165	0.6314903479	0.9999537652	-1.1885843862
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0	0	0	2.996475627
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3.7966717237	0.2366051744	0.9999537652	1.4955638825
0	0	0	2.996475627
3.6149509319	0.1140712314	0.9999537652	1.1390495699

gene_expression_table

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0	0	0	2.0298295761
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2.7933974408	0.6948713406	0.9999537652	1.590997316
-1.0475589205	0.7527919323	0.9999537652	1.3065869813
15.1008094413	0.2915777161	0.9999537652	1.0016199422
4.5505976667	0.5559322269	0.9999537652	-1.2372152196
1.3743046583	0.2409983979	0.9999537652	-1.304906384
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1.0823298706	0.7111396715	0.9999537652	1.0276174696
1.1621179655	0.5798447438	0.9999537652	1.3531114857
2.7933974408	0.6948713406	0.9999537652	0
1.091399163	0.4805486489	0.9999537652	1.0341130834
1.295601917	0.1753415098	0.9999537652	1.2500381549
1.092276421	0.8341616745	0.9999537652	1.1982824004
0	0	0	-1.5938156117
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1.0605311687	0.8895960801	0.9999537652	-1.0490519171
30.8757261591	0.1832943425	0.9999537652	-1.4616280167
-1.2708533643	0.09547662	0.9999537652	-1.1013958298
8.064174035	0.4238704373	0.9999537652	1.068847327
-4.106901512	0.1170163158	0.9999537652	-1.9284645673
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-1.5388920234	0.3158148164	0.9999537652	-1.2404363517
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1.0240877952	0.8961172321	0.9999537652	1.1803447211
1.3457288891	0.5101850067	0.9999537652	1.1600311244
1.2769191345	0.238090548	0.9999537652	1.1939839096
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3.8642518105	0.1099984244	0.9999537652	-1.1570571525
-1.0986633164	0.7169141894	0.9999537652	1.3295985143
1.0145970138	0.9398449132	0.9999537652	1.4191004167
1.447287437	0.1674448088	0.9999537652	1.3007438884
-1.0461188494	0.7576998821	0.9999537652	-1.2173661349
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1.2013528007	0.7147127837	0.9999537652	-1.218964211
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1.3960272491	0.6396304397	0.9999537652	1.0849152546
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gene_expression_table

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-1.8333841838	0.001901	0.9999537652	-1.2619277852
8.064174035	0.4238691023	0.9999537652	-2.1280158161
-1.076467528	0.7579663242	0.9999537652	-1.0346836915
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1.0387687032	0.7650831154	0.9999537652	1.3689652967
0	0	0	0
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1.1552997158	0.4348268248	0.9999537652	1.1014453572
2.7933974408	0.6948713406	0.9999537652	22.5383525416
1.0737250852	0.8693777771	0.9999537652	-1.2860626306
-1.4077513013	0.5501177934	0.9999537652	1.4508492545
-1.1848011449	0.3829665343	0.9999537652	1.5054409163
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1.4356941257	0.2367973614	0.9999537652	1.0465092838
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1.0718891308	0.7408486934	0.9999537652	1.0121009571
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-1.7230380909	0.4807061583	0.9999537652	-1.0084773122
1.1256551335	0.8550518516	0.9999537652	-1.1318456363
-1.25597146	0.7318578767	0.9999537652	-2.0695691574
1.0339887618	0.9113568278	0.9999537652	-1.1720042837
1.1220972931	0.9044459033	0.9999537652	-1.4815080994
1.7063326825	0.2289866938	0.9999537652	-1.2434072884
1.2384773505	0.3311233539	0.9999537652	-1.1141726526
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1.1171887656	0.5243188342	0.9999537652	1.0577120806
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-1.0949580351	0.7514253296	0.9999537652	-1.0930242284

gene_expression_table

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0	0	0	1.2400291296
2.8186104398	0.3599094617	0.9999537652	-1.4681855619
1.2999552563	0.2689069769	0.9999537652	1.2473603292
-1.5268522869	0.3929657622	0.9999537652	1.1758749769
4.6478057571	0.0671942008	0.9999537652	-1.1850833597
2.0696758576	0.1134780009	0.9999537652	1.3426877329
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1.4410568594	0.4982444019	0.9999537652	-1.2524825119
1.5130423174	0.6605360433	0.9999537652	1.5332372248
18.9318466825	0.2781659383	0.9999537652	1.3519637633
-1.9819824477	0.0276984416	0.9999537652	1.2745666404
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1.8339360555	0.4052989868	0.9999537652	-1.3066863121
1.0308307773	0.8690367741	0.9999537652	1.12602269
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1.029151863	0.8060412711	0.9999537652	1.1374080322
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1.1220094372	0.5633418191	0.9999537652	1.0281111761
1.1023960321	0.6689542414	0.9999537652	1.0469897944
1.0063516441	0.9778275755	0.9999537652	-1.0594502797
-1.7350961946	0.173713048	0.9999537652	-1.3416256734
1.0877650195	0.6873262057	0.9999537652	1.0930709454
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2.7933974408	0.6948713406	0.9999537652	1.6084809026
1.344859198	0.3329254107	0.9999537652	1.0947777858
1.4739980805	0.0914015398	0.9999537652	1.3704533304
1.2986471813	0.4244327623	0.9999537652	1.183499942
1.0635879733	0.7428145126	0.9999537652	-1.2658071704
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1.8455489546	0.5921514806	0.9999537652	-2.1287636007
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1.0578565016	0.694881995	0.9999537652	1.2905866165
1.1641828182	0.345711248	0.9999537652	1.2492547373
1.0999313655	0.8886048549	0.9999537652	1.1092933382
2.7933974408	0.6948713406	0.9999537652	1.4153476291
-1.270073807	0.1682105864	0.9999537652	1.086495382

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.1053878178	0.6114781005	0.9999537652	1.4257087606
0	0	0	9.7116702472
1.0706404744	0.6042819245	0.9999537652	1.4373529563
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-1.0951850746	0.6701207609	0.9999537652	-1.0761290116
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1.1190584955	0.7579520687	0.9999537652	1.0282292718
-1.0708660819	0.7392447224	0.9999537652	1.2156986192
0	0	0	8.8639046058
1.9639779619	0.052618044	0.9999537652	-1.3268664848
-1.1455442151	0.370616596	0.9999537652	1.0370579544
2.7933974408	0.6948713406	0.9999537652	-1.1248877899
-1.0465958371	0.7614841456	0.9999537652	1.5775453375
1.5107816438	0.5277967288	0.9999537652	-1.6188562449
-1.0941791399	0.8326624322	0.9999537652	1.153202049
0	0	0	2.9985540909
-1.2551248324	0.7718555006	0.9999537652	3.5599780551
-1.0888109777	0.64212423	0.9999537652	1.1411285374
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
-1.2356160979	0.5925386194	0.9999537652	1.3608233581
40.1750348981	0.1540444008	0.9999537652	-1.043334644
1.1616785196	0.3334451874	0.9999537652	1.4277516352
1.5850121741	0.614255278	0.9999537652	-1.103904595
1.449543962	0.2689705894	0.9999537652	1.3348814661
-1.8291042549	0.3288463316	0.9999537652	1.7973499494
1.1512427029	0.402377106	0.9999537652	1.2196166457
-1.0404439214	0.8601749669	0.9999537652	1.1688052862
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1.0129847243	0.972796173	0.9999537652	-1.7278744164
2.8258092867	0.0936218368	0.9999537652	-1.0961030106
8.064174035	0.4238677672	0.9999537652	9.7116702472
0	0	0	2.996475627
1.1606463124	0.7515893335	0.9999537652	1.296751669
1.1781241293	0.6326897435	0.9999537652	1.3359680858
1.4584356027	0.0670056386	0.9999537652	1.1707478655
-1.1611368092	0.634725221	0.9999537652	1.4042658999
-1.2481294663	0.377436053	0.9999537652	1.1439442108
0	0	0	-2.5811097865
2.5553461028	0.2410261947	0.9999537652	-1.012946855
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-1.1006122314	0.9019770859	0.9999537652	-1.5460290334
1.6550710735	0.1780854368	0.9999537652	1.3611868973
-1.0857729511	0.5335592033	0.9999537652	1.0324929133
1.1158299481	0.929746046	0.9999537652	9.7116702472
-1.6674095463	0.621582587	0.9999537652	-3.2376885507
-1.3059708017	0.4653832042	0.9999537652	-1.2883867929

gene_expression_table

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4.5505976667	0.5559322269	0.9999537652	0
0	0	0	-2.2835167025
-1.1482113318	0.4245226284	0.9999537652	1.1902838709
1.7745951127	0.5409014838	0.9999537652	1.8687602882
1.0833861825	0.5729949902	0.9999537652	1.2357168875
1.4157529189	0.286445013	0.9999537652	-1.2984561635
20.3702769952	0.2388209961	0.9999537652	-1.1441751338
8.064174035	0.423866432	0.9999537652	2.7698355275
0	0	0	1.3590242562
1.5455319377	0.1539990451	0.9999537652	1.3426714575
1.014581964	0.9760622325	0.9999537652	-1.3548721631
-1.4167537021	0.2264839923	0.9999537652	-1.2412346122
2.7933974408	0.6948713406	0.9999537652	0
1.147612444	0.5407701274	0.9999537652	-1.2217589246
-1.0820588842	0.7373639026	0.9999537652	1.2789637166
-1.2829786572	0.1133567415	0.9999537652	1.0388610836
1.2764410314	0.2924118055	0.9999537652	1.028952031
1.1532607844	0.4237974371	0.9999537652	-1.0267349849
-1.4525887343	0.6066334026	0.9999537652	1.6794517025
-1.0940903919	0.8717737776	0.9999537652	1.1612416843
-1.2010406794	0.3369651085	0.9999537652	1.0722677181
-1.0953113997	0.5711100319	0.9999537652	-1.1010527962
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1.1111013903	0.5218915104	0.9999537652	1.1207263412
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1.0893367869	0.8043651126	0.9999537652	-1.1202346993
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1.6801292393	0.3282897238	0.9999537652	-1.1137192611
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1.0207027716	0.8695666741	0.9999537652	1.2182628762

gene_expression_table

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1.156844776	0.4347248191	0.9999537652	1.317456715
1.0585140261	0.6394322503	0.9999537652	-1.132134325
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-1.2167526382	0.3409430204	0.9999537652	-1.0698093515
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2.742474689	0.3003314193	0.9999537652	-1.039502375
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1.0822804758	0.7437741173	0.9999537652	-1.1894510845
1.0158628881	0.9716510127	0.9999537652	-1.2902916507
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1.5910953944	0.2540128413	0.9999537652	-1.0754604452
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1.6467991421	0.0519032617	0.9999537652	-1.6107934925
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gene_expression_table

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1.0152567708	0.9379784134	0.9999537652	-1.1091810613
1.7065721245	0.2107842254	0.9999537652	1.014412612
2.1626092017	0.1210414063	0.9999537652	-1.4863113326
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1.788517704	0.1948077929	0.9999537652	1.1748799717
1.425492918	0.2660452955	0.9999537652	-1.3747487991
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-1.1877134683	0.207395582	0.9999537652	-1.0753494029
1.2158337748	0.4219218799	0.9999537652	-1.2006901719
-1.1087164534	0.4225259939	0.9999537652	-1.095960283
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1.2037205439	0.5771569664	0.9999537652	1.0823152594
2.7933974408	0.6948713406	0.9999537652	-2.7895993146
1.3028917047	0.4170923226	0.9999537652	1.1420012663
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1.2654175061	0.5989933662	0.9999537652	-1.2167237019
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1.1627056682	0.5680227559	0.9999537652	-1.510363508
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3.8622037496	0.6195260146	0.9999537652	-11.020251207
2.056870118	0.1288674367	0.9999537652	1.054088584
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gene_expression_table

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1.6019886574	0.2060696122	0.9999537652	1.0031742143
1.0676282763	0.7269570757	0.9999537652	-1.2976395421
1.1220972931	0.9043779706	0.9999537652	-2.571072022
1.2219253713	0.1750134259	0.9999537652	1.0899821364
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1.7016447663	0.1432214776	0.9999537652	1.1615051618
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1.039301144	0.9050882099	0.9999537652	-1.4530997693
2.0346255682	0.4403503446	0.9999537652	1.7773414401
-1.3632719965	0.5614381347	0.9999537652	1.4719994882
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0	0	0	2.996475627
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1.1432003108	0.5789067491	0.9999537652	-1.654661594
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gene_expression_table

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1.3801180903	0.155505533	0.9999537652	1.2888818387
2.7933974408	0.6948713406	0.9999537652	3.8529287492
0	0	0	-1.3028722362
1.3491087878	0.1331782059	0.9999537652	-1.1292991519
1.6163318864	0.369388035	0.9999537652	1.6232125136
-1.139089678	0.3955054731	0.9999537652	-1.0605908685
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2.8197560167	0.3544979278	0.9999537652	-2.2620268691
1.0055167866	0.9726019633	0.9999537652	1.0399116487
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1.3820692738	0.7413995037	0.9999537652	-1.3935735413
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1.3867633649	0.729366044	0.9999537652	1.1929411067
2.0885615936	0.5185910451	0.9999537652	-1.2016883181
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-1.2513614036	0.4594351232	0.9999537652	-1.032460741
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1.3024294952	0.0759416517	0.9999537652	1.1561718903
-1.215331919	0.4542432368	0.9999537652	-1.2181494227
-1.0050652613	0.9834027609	0.9999537652	-1.309677357
1.1800813261	0.3120312452	0.9999537652	1.1716308631
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2.7933974408	0.6948713406	0.9999537652	8.8639046058
1.1164747255	0.4603069422	0.9999537652	-1.3054881918
-1.5693576097	0.0886871753	0.9999537652	1.2408328152
1.1626253702	0.5401018226	0.9999537652	-1.0416062523
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4.5544554512	0.5691373742	0.9999537652	4.7454169068
0	0	0	6.908559683
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-1.2154453731	0.1819855523	0.9999537652	-1.3384500142
1.1058106324	0.639797151	0.9999537652	1.1608341375
-1.2002678735	0.5020519077	0.9999537652	-1.5290373432
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3.805366741	0.0556202137	0.9999537652	1.0959591624
-1.0688853093	0.8346067582	0.9999537652	-1.1842238291
2.2953539498	0.3493867201	0.9999537652	-1.6167032484
-1.1615123054	0.3507972791	0.9999537652	1.0846668876
1.3598134657	0.1325174384	0.9999537652	1.1251755294
1.1287258111	0.6271472623	0.9999537652	1.2080475268
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gene_expression_table

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-1.0085355311	0.9930350584	0.9999537652	1.4048704932
-1.4390360156	0.0315297573	0.9999537652	-1.297070476
-1.2590130964	0.1064008215	0.9999537652	1.3362064066
1.1026647921	0.8029550943	0.9999537652	-1.3211476307
1.0546895876	0.7099874082	0.9999537652	1.7778818184
-1.0576001765	0.8520942831	0.9999537652	1.0164603399
1.8357201582	0.2612683768	0.9999537652	-1.7597223057
16.8433158146	0.2735193915	0.9999537652	2.3074450707
-1.0012547714	0.9946659375	0.9999537652	-1.0237264886
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-1.2518477289	0.2603834682	0.9999537652	-1.0387899273
0	0	0	0
8.064174035	0.4238624257	0.9999537652	2.996475627
15.0880352532	0.2955455083	0.9999537652	4.0583010578
-1.2755409506	0.2251135518	0.9999537652	1.3164769935
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-1.1758878956	0.530086972	0.9999537652	-1.0204649236
-1.0436077749	0.7399851693	0.9999537652	1.0327520313
1.6304649079	0.1664505331	0.9999537652	-1.0869018319
-1.3699107418	0.396262722	0.9999537652	-1.2493820533
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-1.0874839212	0.6490775161	0.9999537652	1.0698424135
-1.1684806514	0.3976482294	0.9999537652	1.2357540451
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-1.2840992906	0.255428276	0.9999537652	-1.0630620986
1.2273488568	0.543381251	0.9999537652	1.042245821
1.1333548398	0.4740079546	0.9999537652	1.1585263912
-1.2418696748	0.4039874247	0.9999537652	1.0130335143
0	0	0	2.996475627
1.0035792769	0.9776690134	0.9999537652	1.0482762038
-1.1026914183	0.8465221463	0.9999537652	-1.5939521358
-1.586167124	0.7107512635	0.9999537652	-3.2324675423
0	0	0	-1.4868621173
1.1435785632	0.7491532359	0.9999537652	1.0357004166
-1.3475836462	0.1455669338	0.9999537652	-1.1640857245
1.1547207742	0.6000385449	0.9999537652	-1.1185952314
1.2168577454	0.5614103567	0.9999537652	1.1838092576
-1.1528061049	0.5195061817	0.9999537652	-1.0748267717
1.0446178272	0.7894504274	0.9999537652	1.0763986179
-1.1693039948	0.565907182	0.9999537652	1.1635318451
2.7933974408	0.6948713406	0.9999537652	12.7820459093
1.4049428145	0.1175643402	0.9999537652	-1.0752873441
-1.2963709085	0.2407431275	0.9999537652	1.460144486
-1.0539580642	0.8732019188	0.9999537652	-1.2242110047
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gene_expression_table

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-1.1619124208	0.2916893882	0.9999537652	-1.0068448899
2.7933974408	0.6948713406	0.9999537652	-4.1147445994
1.1789135104	0.3228883288	0.9999537652	1.0527034979
1.3703758797	0.5584653486	0.9999537652	2.191689061
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8.064174035	0.42386109	0.9999537652	-7.5938938218
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1.2221484578	0.7268243913	0.9999537652	1.3237138559
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1.810938637	0.0662692265	0.9999537652	1.630642421
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-1.0938933423	0.8347800059	0.9999537652	-1.042636332
-1.2826950936	0.407151505	0.9999537652	1.024124714
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1.0273911124	0.8358511828	0.9999537652	1.2749466445
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1.0174686303	0.9217625864	0.9999537652	-1.4714835237
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1.1329612377	0.5043927977	0.9999537652	1.2131818071
1.1297615884	0.707570459	0.9999537652	-1.1224417065
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gene_expression_table

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1.163695605	0.6435938542	0.9999537652	-1.1666745609
1.0446357697	0.7528137897	0.9999537652	-1.0046334623
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1.2309640129	0.1867046242	0.9999537652	1.1316806538
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1.0789731544	0.8018443088	0.9999537652	1.0144843107
1.1510341203	0.6487660506	0.9999537652	-1.2416069402
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6.3130691196	0.4798093448	0.9999537652	1.1089257718
1.1953956413	0.3666069872	0.9999537652	-1.3085633241
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1.3650039897	0.2214565666	0.9999537652	-1.1406814698
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gene_expression_table

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0	0	0	2.9985540909
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1.1597199062	0.7028182189	0.9999537652	-1.0852357393
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1.3009616064	0.54913202	0.9999537652	1.1038691503
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1.1913178689	0.1614046946	0.9999537652	1.3952440532
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2.7957660672	0.7054691191	0.9999537652	0
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1.167995342	0.5273750092	0.9999537652	1.1077642929
1.3589992143	0.3718181318	0.9999537652	1.6019209384
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
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1.1341637742	0.6703154468	0.9999537652	1.0071658635
-1.1767472282	0.4582170488	0.9999537652	1.1303148419
16.8433158146	0.2735542479	0.9999537652	-1.1241083699
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gene_expression_table

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1.0578173942	0.715384528	0.9999537652	1.115678269
1.0233172702	0.9456582211	0.9999537652	-1.0409672658
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1.0274942246	0.8650940633	0.9999537652	-1.2482403885
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1.2527115433	0.8123164945	0.9999537652	-1.3426678013
1.4737523755	0.2987734418	0.9999537652	-1.147633542
1.0549201187	0.7119897323	0.9999537652	-1.0292305634
1.0035498141	0.9781159802	0.9999537652	1.296709659
1.8222329048	0.2466093308	0.9999537652	-1.0760516321
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2.7933974408	0.6948713406	0.9999537652	0
18.6310147587	0.2581002427	0.9999537652	1.1562656392
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1.0894645231	0.6047534975	0.9999537652	-1.2384278976
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-1.0692150516	0.77823473	0.9999537652	-1.0555202004
-1.483866215	0.0422730952	0.9999537652	1.0480245844
1.582154632	0.4526798258	0.9999537652	3.5481057558
1.0533757214	0.7688068226	0.9999537652	1.1894738143
1.1558796531	0.7482223541	0.9999537652	-1.1869442514
1.527204761	0.2377096856	0.9999537652	1.1735922103
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1.1962825574	0.7550432886	0.9999537652	-1.4035206294
1.1318726633	0.477037499	0.9999537652	1.1828599125
2.7933974408	0.6948713406	0.9999537652	1.067171975
1.0435514625	0.8304428519	0.9999537652	-1.0827113432
1.6380746162	0.0656004594	0.9999537652	-1.1000722403
1.2990400075	0.7578358812	0.9999537652	2.488271085
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gene_expression_table

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-1.1117455455	0.4541391175	0.9999537652	1.1233748327
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1.1873139295	0.5683578041	0.9999537652	1.1293134239
1.3640571596	0.1440051915	0.9999537652	1.20762297
-1.0580014703	0.7948883319	0.9999537652	1.1533013759
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1.1206203515	0.6211767423	0.9999537652	1.1036417695
-1.4032564076	0.0748251115	0.9999537652	1.1562766256
-1.1541146099	0.3140595719	0.9999537652	1.1138478762
-1.1978530251	0.6479976791	0.9999537652	1.7788094936
1.0999421972	0.7755602905	0.9999537652	-1.0767359799
4.5505976667	0.5559322269	0.9999537652	0
-1.4104128618	0.4813729915	0.9999537652	-1.046235579
1.040281569	0.7717415595	0.9999537652	1.1262364093
1.0933258334	0.6623162228	0.9999537652	-1.1309441773
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1.2084842145	0.5532965621	0.9999537652	-1.1369054259
1.1529343388	0.2175435991	0.9999537652	1.1506986909
1.0510635703	0.8105905001	0.9999537652	1.2375999683
-1.199133825	0.1601378376	0.9999537652	-1.2375603839
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2.7957660672	0.7054714763	0.9999537652	0
2.5375363294	0.0601863413	0.9999537652	-1.0087239788
2.3407960637	0.2629337289	0.9999537652	1.4144911607
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5.9693523789	0.102919379	0.9999537652	2.3749818327
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1.0588673556	0.6599676411	0.9999537652	1.2601331836
0	0	0	-1.8582093966
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4.5505976667	0.5559322269	0.9999537652	6.9133480437
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1.1216701798	0.9025855133	0.9999537652	-1.3140344109
1.275282393	0.6534106613	0.9999537652	1.027333951
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1.0226902024	0.896031783	0.9999537652	1.020298758
-1.6674095463	0.6211804098	0.9999537652	-5.3589986948
1.7438374005	0.1731885952	0.9999537652	1.5617427513
8.064174035	0.4238597542	0.9999537652	-1.6597328868
-1.1154820314	0.586544898	0.9999537652	1.2643983124
1.3025788871	0.7332127736	0.9999537652	-2.0448877535
1.0676074109	0.6430257067	0.9999537652	1.3876185589
-1.208510781	0.6367113156	0.9999537652	1.0559626811

gene_expression_table

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1.3001586758	0.7288997037	0.9999537652	-2.8215558128
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1.2057613658	0.7517614146	0.9999537652	1.0176694598
-1.1423326412	0.7403754276	0.9999537652	1.0651798039
1.0305243997	0.8819815336	0.9999537652	1.1070215658
1.9987268311	0.2978721628	0.9999537652	-1.4616100759
1.3979934472	0.455177279	0.9999537652	1.7206577206
8.1372627563	0.0117647212	0.9999537652	2.2447949745
5.9768568161	0.0923150692	0.9999537652	1.4519459565
-1.501078988	0.1905055824	0.9999537652	-1.2427586638
-1.0597710429	0.7545630442	0.9999537652	1.4479778851
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0	0	0	4.9527501949
1.115591456	0.6802342081	0.9999537652	1.2692838438
1.1612439625	0.5084913285	0.9999537652	1.5218344384
-1.1042647991	0.826840717	0.9999537652	1.0268360662
1.1789008325	0.5674901112	0.9999537652	1.0468029632
-1.5312189421	0.1829520875	0.9999537652	-1.0217750814
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1.4946040872	0.1614007054	0.9999537652	1.3286410706
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1.1261405279	0.8542542807	0.9999537652	1.0387126023
-1.135379807	0.5269209686	0.9999537652	1.0693425341
1.3366571197	0.386755597	0.9999537652	-1.074393129
-1.9598615693	0.1611947422	0.9999537652	1.0126931411
-1.0995135404	0.6425324968	0.9999537652	1.5617682385
4.5544554512	0.56913538	0.9999537652	4.9527501949
1.0367599971	0.8640604535	0.9999537652	1.3636664298
0	0	0	2.9985540909
2.7933974408	0.6948713406	0.9999537652	2.996475627
0	0	0	0
2.7933974408	0.6948713406	0.9999537652	0
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1.1401644591	0.5857501715	0.9999537652	-1.0899350295
0	0	0	2.9936870021
1.603906631	0.6805260368	0.9999537652	-1.4365753027
1.827667131	0.0256572699	0.9999537652	1.1926821055
1.0637894227	0.7691452458	0.9999537652	1.0929704504
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29.1226294179	0.1908912554	0.9999537652	1.5563914108
2.7933974408	0.6948713406	0.9999537652	1.8589547811
-1.2242387651	0.1255177788	0.9999537652	-1.1063754375

gene_expression_table

-1.057635161	0.7385740007	0.9999537652	-1.2230162314
-1.0998297781	0.6789652972	0.9999537652	1.1254295224
1.7847110014	0.3579393046	0.9999537652	-1.1287447286
3.7917931577	0.2238250833	0.9999537652	-1.6103932565
-1.1516964145	0.4122310289	0.9999537652	-1.013115112
-1.2308837349	0.5339858947	0.9999537652	-1.3139663928
-1.0473752886	0.7816109512	0.9999537652	-1.185074891
1.3377809008	0.2080360016	0.9999537652	-1.367649661
-1.7141251245	0.5217296346	0.9999537652	-1.5413176099
1.0181666844	0.8827655577	0.9999537652	1.135308509
1.3326456572	0.2667891461	0.9999537652	-1.3834464205
-1.2089981555	0.5336352155	0.9999537652	1.0062326897
1.2467380137	0.1813207875	0.9999537652	-1.3319030788
1.1463368891	0.4874612654	0.9999537652	1.0146647071
4.5544554512	0.569133386	0.9999537652	3.0014231918
9.8205505243	0.3806255368	0.9999537652	-1.8582093966
1.1714652592	0.5584838141	0.9999537652	-1.0846414195
-1.3183497373	0.6678653454	0.9999537652	1.4370312972
4.5505976667	0.5559322269	0.9999537652	-4.8186929849
-1.2711474135	0.2128653532	0.9999537652	-1.2062856952
17.3472938331	0.2975561866	0.9999537652	8.8639046058
1.2204962623	0.5811143316	0.9999537652	1.0494835949
-1.0033878781	0.9931124794	0.9999537652	-1.0719699378
0	0	0	9.7116702472
1.0954599379	0.6004848573	0.9999537652	-1.1999649533
1.0356595745	0.8092380975	0.9999537652	-1.1567566972
-2.956038745	0.3205427223	0.9999537652	2.226401313
-1.0745696932	0.7142976782	0.9999537652	1.0590138039
1.0070737681	0.9823908948	0.9999537652	-1.009204357
2.0363455658	0.4191792472	0.9999537652	1.8159392373
-1.2653006465	0.1746380865	0.9999537652	-1.3587366354
1.1478914847	0.499518718	0.9999537652	1.1067607569
1.3670871454	0.4772640638	0.9999537652	1.5578544735
1.6512577839	0.1957128114	0.9999537652	1.2080900011
0	0	0	2.996475627
1.0442905078	0.7655283163	0.9999537652	1.1066304142
-1.6217625998	0.0628059593	0.9999537652	1.3592808127
-1.0806024826	0.7649858096	0.9999537652	-1.155288339
-1.0942188966	0.627498364	0.9999537652	1.0201860177
-1.1026115964	0.4138929342	0.9999537652	1.0420067715
2.1937664026	0.2878393251	0.9999537652	1.0004317752
-1.1780987613	0.6880432174	0.9999537652	-2.0406098627
1.2579508034	0.0750652361	0.9999537652	1.0928037111
-1.0919905267	0.63727033	0.9999537652	-1.2420607509
0	0	0	20.5862458385
-1.1902317392	0.5163879322	0.9999537652	-1.2207647944
1.2879691289	0.092152991	0.9999537652	1.1263895777
-1.0281465907	0.8875102938	0.9999537652	-1.2693078548
-1.3095088252	0.5260063579	0.9999537652	1.1632391783

gene_expression_table

1.5313852055	0.5216372602	0.9999537652	1.6984478315
-1.1813031634	0.4835621879	0.9999537652	-1.1660328546
1.0794889877	0.7293482269	0.9999537652	-1.6752775289
1.4071079349	0.2722577121	0.9999537652	1.0878127162
1.170178844	0.6928356326	0.9999537652	-1.0190639033
-1.101183384	0.8491448233	0.9999537652	-1.0927247289
1.6152058699	0.0792962622	0.9999537652	1.0708335229
-1.3304241061	0.0176016343	0.9999537652	-1.5482134169
-1.2668558963	0.098952339	0.9999537652	1.0178462262
4.5505976667	0.5559322269	0.9999537652	1.1554536166
1.1464431389	0.6035377383	0.9999537652	-1.0017159662
1.2607159044	0.1863536795	0.9999537652	-1.1712914944
1.4089461712	0.3760047958	0.9999537652	-1.1534884442
-1.1242717848	0.6044713935	0.9999537652	-1.2345256645
-1.0982503828	0.4968893589	0.9999537652	-1.1025862244
1.1413431861	0.7393987324	0.9999537652	-1.2115914115
4.5505976667	0.5557790267	0.9999537652	0
1.2884369719	0.2827133749	0.9999537652	1.1714801535
-1.0622050082	0.9006742497	0.9999537652	1.0074664906
-1.6674095463	0.6211992247	0.9999537652	-3.383799441
1.0998091457	0.7325809517	0.9999537652	-1.2756099766
1.3616604306	0.2379741322	0.9999537652	-1.1551584353
-2.956038745	0.3205409092	0.9999537652	14.759428837
-1.6818365992	0.2867264494	0.9999537652	-1.1105052602
-1.4356824791	0.2646209381	0.9999537652	-1.2202715628
1.1434339733	0.6327686631	0.9999537652	1.0551440262
-1.052220172	0.8298448144	0.9999537652	-1.0371440844
-1.361720732	0.1555506708	0.9999537652	1.0149559728
-1.1101170285	0.7725636825	0.9999537652	-1.1824957367
1.0047743529	0.9776543066	0.9999537652	-1.2331665558
1.0785588582	0.9501492552	0.9999537652	1.1361852165
1.4194596463	0.112338496	0.9999537652	1.0563023374
2.330589113	0.4664509828	0.9999537652	-1.3019789167
-1.1762648374	0.5443130387	0.9999537652	-1.1773596301
-1.1362981735	0.4738861131	0.9999537652	1.0847698528
-18.9917210433	0.0490947718	0.9999537652	6.908559683
1.1094201658	0.6714636741	0.9999537652	1.7672763476
1.695813492	0.054888381	0.9999537652	1.0108673835
1.0040159103	0.9754157117	0.9999537652	1.2534187913
-1.2047793594	0.314102676	0.9999537652	-1.1322125239
-1.1326255481	0.7004223503	0.9999537652	-1.3139335181
2.7957660672	0.7054761936	0.9999537652	0
1.3989923272	0.6140065661	0.9999537652	1.0688925511
-1.3139750984	0.1563628748	0.9999537652	-1.1191460601
-1.1953747446	0.5870574125	0.9999537652	-1.0421476012
1.1395594238	0.3632852134	0.9999537652	1.0307453602
-1.3679958882	0.7463109286	0.9999537652	28.0550019808
2.2535802584	0.1210621813	0.9999537652	1.6102150583
6.3075231393	0.4858600839	0.9999537652	-1.4601750349

gene_expression_table

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1.1431700605	0.7331157731	0.9999537652	1.3794708826
1.4373613941	0.1377940692	0.9999537652	-1.5026553489
18.6146543426	0.2564041956	0.9999537652	1.1103074297
11.5868260078	0.3461944637	0.9999537652	-1.2800515331
1.0541531647	0.74765511	0.9999537652	-1.0581891681
1.2170565251	0.3327737042	0.9999537652	1.4487726995
0	0	0	-9.235035142
-1.0882761374	0.6427155507	0.9999537652	1.1321537748
-1.0488508938	0.7535619601	0.9999537652	1.1645070833
1.1716043256	0.7139429453	0.9999537652	-1.1091443276
1.1129205313	0.4757461081	0.9999537652	1.3211181481
18.5983228161	0.2580172642	0.9999537652	-3.0053232
1.0817075216	0.651137536	0.9999537652	1.2999016271
1.0448451532	0.8921609784	0.9999537652	-1.2200625877
1.1033108693	0.5628923532	0.9999537652	1.0299122555
1.0156369479	0.9527773212	0.9999537652	-1.2274391494
1.1211860098	0.9130175902	0.9999537652	-2.0741723538
1.2441716671	0.2449727246	0.9999537652	1.1106239848
1.2486503609	0.4200857934	0.9999537652	1.0659305893
1.0118450101	0.9704482605	0.9999537652	1.0192311602
6.3075231393	0.4858382966	0.9999537652	16.6806485101
-1.4206868771	0.36708337	0.9999537652	1.4141596021
1.1504832506	0.7836895831	0.9999537652	1.0876005687
1.2677054258	0.4416059492	0.9999537652	1.3037891306
1.5130423174	0.6604211772	0.9999537652	-1.1574174841
1.4619130493	0.4058424493	0.9999537652	1.2941134052
0	0	0	-5.3583704783
2.7933974408	0.6948713406	0.9999537652	0
-1.1314771982	0.6015570579	0.9999537652	-1.2080818548
-1.0512102387	0.8469507909	0.9999537652	-1.0469954452
-1.2194299046	0.300401329	0.9999537652	1.193100327
0	0	0	2.9985540909
-4.3234865661	0.1504192763	0.9999537652	18.6594677739
1.1158583321	0.9296598684	0.9999537652	0
-1.0494046033	0.8623624356	0.9999537652	1.5307245327
-1.170046239	0.4580758095	0.9999537652	1.0959183498
0	0	0	2.9988886918
-1.3951142566	0.3557604348	0.9999537652	1.8688548069
1.2735141212	0.2148657585	0.9999537652	1.0686226752
-1.0895214978	0.6746398157	0.9999537652	1.0398471179
-1.0413817275	0.775616009	0.9999537652	1.0535259259
1.1220518419	0.6490142141	0.9999537652	1.1982798319
1.0817709416	0.6138071626	0.9999537652	-1.3108942584
1.0229607066	0.8708518377	0.9999537652	1.516796602
-1.1977369949	0.6648609941	0.9999537652	-1.0504978146
1.0564691958	0.7658738235	0.9999537652	1.136316392
1.2417456347	0.1625214344	0.9999537652	1.1780957443
1.1781413431	0.720601728	0.9999537652	-1.0143339149

gene_expression_table

1.0811893466	0.8294479986	0.9999537652	1.0755583371
1.0703944827	0.6994561201	0.9999537652	1.2993964164
1.0994968002	0.6752103993	0.9999537652	-1.0348995782
0	0	0	8.8639046058
-1.3429809541	0.3881069219	0.9999537652	1.418735717
-1.0602621373	0.8170639411	0.9999537652	1.1861614471
1.2098822613	0.4281127395	0.9999537652	1.4163597087
-2.5861438062	0.4681199623	0.9999537652	-3.7211335265
0	0	0	4.9561842702
-2.4652347606	0.1804051	0.9999537652	1.0203837698
-1.1718543992	0.8302025312	0.9999537652	1.0824394533
0	0	0	4.9527501949
1.5298977121	0.3526169069	0.9999537652	1.4479895097
-1.6249640116	0.2755372466	0.9999537652	1.3602858602
1.0462261817	0.9444120098	0.9999537652	1.6930547015
1.9579430518	0.0196436142	0.9999537652	1.4930660957
-1.21815506	0.3842988946	0.9999537652	-1.0119304616
-1.3714431973	0.0163889198	0.9999537652	-1.4272116474
4.5505976667	0.5557790267	0.9999537652	0
1.087701826	0.6402075148	0.9999537652	1.7759163954
1.0472633739	0.9151780431	0.9999537652	1.2494841749
0	0	0	-1.2590868438
1.2177824976	0.4004620562	0.9999537652	-1.4276032567
1.0576409478	0.7953233081	0.9999537652	1.2560455907
1.2683633881	0.4504040727	0.9999537652	-1.160926583
-1.0180629367	0.9535611799	0.9999537652	1.2002708548
1.2873325466	0.1977813971	0.9999537652	-1.2257853903
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.261710384	0.4957689909	0.9999537652	1.0448392655
1.0522316591	0.7805385813	0.9999537652	-1.1110122708
-1.0948072995	0.5427091485	0.9999537652	1.1294282135
3.0590680122	0.3357191982	0.9999537652	-1.1322464845
0	0	0	4.9527501949
6.3130691196	0.4798187332	0.9999537652	1.5908108123
1.2357313159	0.3667894967	0.9999537652	1.164264678
-1.0784119283	0.5865033119	0.9999537652	-1.1233592427
0	0	0	2.996475627
1.0320276904	0.9160923415	0.9999537652	-1.2510297534
1.1574744424	0.3690516452	0.9999537652	1.1485223264
-1.1142215085	0.5859968392	0.9999537652	-1.2128413625
1.5666957508	0.0953541449	0.9999537652	1.1950963994
1.3725931849	0.063533509	0.9999537652	-1.1753659791
-2.1121758979	0.3451523316	0.9999537652	-1.4474064009
1.1189859225	0.6384529674	0.9999537652	-1.0986220743
6.3075231393	0.4858165373	0.9999537652	-9.7565542884
-1.3702762656	0.7549819127	0.9999537652	16.6921882404
-1.2766380543	0.5456278554	0.9999537652	1.0955482217
-1.1443444191	0.5835726082	0.9999537652	-1.3837886538
3.4552788346	0.0790731748	0.9999537652	1.0071225085

gene_expression_table

3.3249364486	0.0383976571	0.9999537652	-1.0424478359
1.2793527168	0.2325080685	0.9999537652	-1.062738616
-1.0600785361	0.7422583466	0.9999537652	-1.1892100792
6.3075231393	0.4857948061	0.9999537652	2.9985540909
1.3350618227	0.4408872704	0.9999537652	-1.2259965384
1.21207844	0.2366915329	0.9999537652	-1.1990482093
-1.1456095562	0.6377567175	0.9999537652	1.0082282879
16.8575730017	0.2720678674	0.9999537652	-2.7895842989
6.3075231393	0.485772013	0.9999537652	1.6755843638
0	0	0	4.9527501949
1.1887778888	0.3630892764	0.9999537652	-1.0721096281
1.3516764085	0.0973390111	0.9999537652	1.0231425108
-1.1154984609	0.769374728	0.9999537652	1.0685248398
-1.0860203881	0.5216212366	0.9999537652	-1.3477391635
2.7933974408	0.6948713406	0.9999537652	-2.2683615775
1.6539935729	0.2846857903	0.9999537652	-1.4621772559
1.0359217103	0.7858907891	0.9999537652	-1.3516611555
-1.1250888319	0.4856502038	0.9999537652	-1.3191935704
-1.5881570201	0.709587026	0.9999537652	1.9432271302
-1.2373495548	0.3656485584	0.9999537652	-1.3998623464
0	0	0	-1.2732083991
1.0015539757	0.9944860413	0.9999537652	-1.0531191994
1.2059832928	0.2076238796	0.9999537652	1.1068014826
-7.2100360446	0.1268521202	0.9999537652	4.4079008263
-1.5243343774	0.07402306	0.9999537652	-1.746687833
1.2359285705	0.761332809	0.9999537652	-1.4429435179
1.0134399309	0.9638557854	0.9999537652	-1.1535880637
-1.1664808483	0.4108594489	0.9999537652	-1.3149373974
2.9527141659	0.0925620315	0.9999537652	1.7231940929
0	0	0	2.996475627
0	0	0	1.2043966325
-1.090373429	0.6172043238	0.9999537652	-1.3812927695
-1.029574592	0.9055146177	0.9999537652	-1.2932473294
13.355081045	0.3178957903	0.9999537652	-14.149476906
1.211821937	0.1248525386	0.9999537652	1.0731678115
1.0830180545	0.7393428987	0.9999537652	1.0757038205
1.671787244	0.1572450681	0.9999537652	1.2462690465
11.5766527773	0.3454301478	0.9999537652	3.7700212082
1.9021910848	0.2909239508	0.9999537652	1.135702533
1.1338209709	0.2892004555	0.9999537652	-1.0832718725
1.1818857488	0.4815842885	0.9999537652	1.2205861525
-1.4310703425	0.3727322015	0.9999537652	-1.2145671933
1.0141365239	0.9420252643	0.9999537652	-1.1242826323
1.0950284989	0.5014780399	0.9999537652	1.0081225511
-1.2664954471	0.4993698719	0.9999537652	-1.1791482154
-1.0560213696	0.702268602	0.9999537652	-1.159581567
-1.2274688783	0.3690940286	0.9999537652	-1.2005920631
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	4.9527501949

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	-4.2377976271
1.5360039748	0.0262141626	0.9999537652	-1.0073240153
0	0	0	2.9936870021
1.698659425	0.1139921075	0.9999537652	-1.1958875504
-1.1453192235	0.9086509514	0.9999537652	-1.859280336
5.4939478721	0.1042652041	0.9999537652	-1.610613801
1.1193342077	0.3320228204	0.9999537652	-1.5561498901
1.9330420755	0.3731032652	0.9999537652	-1.6009476582
-1.1529188894	0.4669409468	0.9999537652	-1.3141911837
0	0	0	4.9561842702
1.3829044638	0.1887349303	0.9999537652	1.3546802486
9.8205505243	0.3806024432	0.9999537652	1.2557686318
1.2239099077	0.5212192095	0.9999537652	-1.1299298918
11.5864583426	0.3448229864	0.9999537652	2.4647648096
1.1974158141	0.5624993542	0.9999537652	-1.3271516535
-1.0163188705	0.9406390613	0.9999537652	1.0383885303
0	0	0	8.8639046058
1.0017929882	0.9924908703	0.9999537652	1.1246913783
1.7003370297	0.1768923331	0.9999537652	1.0606784486
4.2795716544	0.1764467898	0.9999537652	4.0080058676
2.0177191975	0.1476193755	0.9999537652	1.0575324125
1.1088914292	0.5732352172	0.9999537652	-1.1899818251
-1.1925736325	0.1557065228	0.9999537652	-1.5514463085
-1.0068955241	0.9692178285	0.9999537652	-1.3966090852
1.1073681766	0.670428013	0.9999537652	-1.5444051283
1.3249062187	0.3582319533	0.9999537652	1.3224980685
-1.5861169239	0.7133179947	0.9999537652	-1.4281141693
0	0	0	8.8639046058
-1.4743450296	0.64499366	0.9999537652	2.0633900066
-1.3219599047	0.1719399484	0.9999537652	1.1305881595
1.0955901317	0.7962107869	0.9999537652	1.0553953832
-1.0049649224	0.9748129406	0.9999537652	-1.0122406022
-1.1030525978	0.5716164103	0.9999537652	-1.2696773997
-1.0716117245	0.5871358438	0.9999537652	1.0767997954
-1.2416211531	0.588348796	0.9999537652	1.2494843587
-2.0846733449	0.2553367603	0.9999537652	-14.159275343
1.3671081636	0.4876913826	0.9999537652	1.3682078064
-1.5881570201	0.708069387	0.9999537652	1.0023136832
1.3346379155	0.5901172668	0.9999537652	1.5153496654
25.6156185703	0.2096817295	0.9999537652	-1.0403091835
1.542581106	0.1595200882	0.9999537652	-1.0557556442
1.6018473574	0.6931691698	0.9999537652	-2.0941712051
-1.7149555905	0.0414629273	0.9999537652	-1.8646014246
4.5505976667	0.5557790267	0.9999537652	-2.1294907556
4.5505976667	0.5557790267	0.9999537652	-1.1241083699
-1.586167124	0.7107802378	0.9999537652	-1.9205861372
1.4964917328	0.422854103	0.9999537652	-1.3717250396
1.2788907567	0.2392539024	0.9999537652	-1.073611821
1.202277345	0.6367563718	0.9999537652	-1.3815630528

gene_expression_table

-1.3452181228	0.2595387621	0.9999537652	-1.6696939021
1.0318886281	0.8614279811	0.9999537652	-1.4465061341
-1.2247725479	0.5480855007	0.9999537652	-1.0551473674
1.0340314084	0.8490308378	0.9999537652	-1.027620123
4.5505976667	0.5557790267	0.9999537652	1.0024362396
1.1312357379	0.4727872663	0.9999537652	1.0583470253
2.7933974408	0.6948713406	0.9999537652	4.9527501949
4.5505976667	0.5557790267	0.9999537652	-2.1128552243
-5.855397775	0.1784713162	0.9999537652	1.0948274935
1.226418828	0.6030418361	0.9999537652	1.0388350981
0	0	0	2.996475627
1.2277185342	0.1824188169	0.9999537652	1.1514036385
2.7933974408	0.6948713406	0.9999537652	0
-3.2098360912	0.2194561564	0.9999537652	-3.2100972269
1.5666754327	0.2073705481	0.9999537652	1.0000053717
0	0	0	1.6293799659
1.4541620227	0.4030079103	0.9999537652	-1.0396375821
1.2282270925	0.1069261984	0.9999537652	-1.2059614783
1.1216701798	0.9024905083	0.9999537652	-2.5242480573
1.4966853826	0.0406323051	0.9999537652	1.4904357197
2.7933974408	0.6948713406	0.9999537652	-4.9085166009
1.0630169038	0.7980352334	0.9999537652	-1.0290824579
1.1657570779	0.6380548572	0.9999537652	-1.0194787956
2.7933974408	0.6948713406	0.9999537652	-1.4678409108
1.0953696186	0.6994629566	0.9999537652	-1.0086132003
-1.1066536636	0.637159935	0.9999537652	1.1294841325
1.0780589231	0.6102839093	0.9999537652	1.2824743169
-1.1914891517	0.6440303917	0.9999537652	1.2894061787
1.0341662743	0.8682172256	0.9999537652	-1.235209575
1.0958036305	0.6962249736	0.9999537652	1.1250879518
1.1648845007	0.6782502087	0.9999537652	-1.0059845002
2.3176808751	0.1511361171	0.9999537652	-1.1004010026
1.2296514654	0.3854503751	0.9999537652	1.0183366278
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1.0482883457	0.9108513709	0.9999537652	1.9089640068
-1.1247627666	0.5129949217	0.9999537652	-1.1916722484
-1.2937681179	0.3523178786	0.9999537652	-1.2552645749
9.8288704632	0.3801446171	0.9999537652	20.6004768562
8.064174035	0.4238584183	0.9999537652	2.996475627
-1.1973885425	0.6223115057	0.9999537652	-1.1245623719
-1.0320811722	0.9163865328	0.9999537652	1.6864724442
1.2243477866	0.3989164383	0.9999537652	1.4400275153
-1.3595888537	0.286470943	0.9999537652	1.2337887463
-1.1453192235	0.90863368	0.9999537652	2.996475627

gene_expression_table

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1.0671227974	0.6142070784	0.9999537652	1.1407309908
4.8358890185	0.1515497563	0.9999537652	1.2122205562
1.0147943183	0.9628263527	0.9999537652	1.0097637779
-4.8113470503	0.1909570135	0.9999537652	2.996475627
0	0	0	2.996475627
4.5505976667	0.5557790267	0.9999537652	2.996475627
1.2386230889	0.1255224854	0.9999537652	1.2641887055
1.093864445	0.4587785786	0.9999537652	1.0640091118
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1.0721415024	0.797889512	0.9999537652	1.0480093295
1.159951194	0.2441759415	0.9999537652	1.2409294568
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0	0	0	2.9985540909
-1.5977194628	0.0619682956	0.9999537652	-1.1394805455
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0	0	0	8.8700459102
0	0	0	2.996475627
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-1.0120874203	0.9143754091	0.9999537652	1.2144656448
-3.7889870009	0.1877974708	0.9999537652	-1.7179436304
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-1.0649032174	0.7950463902	0.9999537652	-1.1037874173
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0	0	0	6.9133480437
1.4121692786	0.4598497303	0.9999537652	1.251589115
-1.2503937844	0.4855207819	0.9999537652	1.3295911183
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-1.0935358825	0.7047760561	0.9999537652	1.0083136811
-1.3999679996	0.619842988	0.9999537652	1.8828397305
1.2873581838	0.6012741898	0.9999537652	-1.060449365
-1.1457555741	0.9107036899	0.9999537652	-3.384595918
4.5505976667	0.5557790267	0.9999537652	2.2926838869
-1.0291509029	0.8649364559	0.9999537652	1.3985036623
2.7957660672	0.7054785537	0.9999537652	4.9527501949
-1.3534658719	0.3649693136	0.9999537652	1.2428621427
1.3284240629	0.2412215355	0.9999537652	1.190883589
-1.090127928	0.6367899306	0.9999537652	1.505970108
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0	0	0	2.9988886918
1.0426434256	0.9178859138	0.9999537652	-3.9149299287
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-1.1667189197	0.5734744125	0.9999537652	1.5156054808
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gene_expression_table

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1.274835312	0.0825801787	0.9999537652	1.3572240672
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1.0128253901	0.9544725541	0.9999537652	-1.0394286676
1.4970843977	0.3800284172	0.9999537652	-1.2380128721
-1.0963785573	0.6561807771	0.9999537652	1.1726758889
-1.1472577241	0.56832836	0.9999537652	1.1669034067
-1.5781637505	0.0544758363	0.9999537652	-1.4700185722
-1.1701353796	0.4270914334	0.9999537652	1.0184828998
-1.1554329234	0.4236991902	0.9999537652	1.0455699803
-1.0225240938	0.9033163355	0.9999537652	-1.3573965955
-1.5897551395	0.5041519522	0.9999537652	-1.03536236
1.1301085744	0.3428300293	0.9999537652	1.2781979416
-1.7296889495	0.0899361334	0.9999537652	1.4608079493
-1.3971220169	0.1464404855	0.9999537652	1.1648647615
1.1721379156	0.3124550372	0.9999537652	1.0068375466
2.7933974408	0.6948713406	0.9999537652	-2.0477227478
-1.5772041867	0.5821342937	0.9999537652	-4.9096724685
1.0525005316	0.7321242631	0.9999537652	1.071049518
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1.5416925639	0.1359844447	0.9999537652	1.1813723778
1.8724948748	0.1823530709	0.9999537652	-1.3782542405
-1.0593100271	0.8983578218	0.9999537652	-1.3186193604
2.3853098311	0.0925239217	0.9999537652	1.1914259774
-1.0345674465	0.8450774607	0.9999537652	-1.0221789233
-1.1915933216	0.4198020976	0.9999537652	1.0617305525
1.0622651212	0.8967139571	0.9999537652	-1.0250247976
-1.4554833063	0.0878411101	0.9999537652	-1.3414801701
11.5966493128	0.3442703122	0.9999537652	1.2444904498
-1.208950374	0.6757330523	0.9999537652	-1.4864452136
1.3009698924	0.3538392612	0.9999537652	-1.4662129266
6.3130691196	0.479828129	0.9999537652	-1.1237570386
1.9210510653	0.0007126	0.9999537652	1.0070932263
-1.0459972533	0.8893730994	0.9999537652	-1.3435578132
-1.2134586322	0.4514421661	0.9999537652	-1.3303007737
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1.2526375214	0.8109072595	0.9999537652	-1.5161065424
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-1.0573424428	0.947401199	0.9999537652	-2.0477227478
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3.1464506577	0.007356	0.9999537652	-1.1851503263
-7.0341510274	0.112856345	0.9999537652	1.2418880989
1.5817184657	0.0333022222	0.9999537652	-1.5568004726
3.1789916386	0.1149607365	0.9999537652	-1.4858477425
1.0363156376	0.7462348157	0.9999537652	1.0216825372
-1.4738309326	0.6574410295	0.9999537652	1.4032791701
-1.3628220697	0.2264860216	0.9999537652	-1.4938691548

gene_expression_table

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-1.1540270862	0.4719495155	0.9999537652	1.1544734553
2.7933974408	0.6948713406	0.9999537652	1.0119943569
-1.2934488892	0.5817496794	0.9999537652	-1.0012214379
-1.3568049148	0.178599515	0.9999537652	-1.2578852935
-1.2075832828	0.4309250967	0.9999537652	-1.0028055611
1.0881828735	0.6583465298	0.9999537652	-1.2907676159
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1.4900947652	0.5701339147	0.9999537652	1.2360867785
1.2150491088	0.6025413176	0.9999537652	-1.1554641156
-1.7008315477	0.5854966472	0.9999537652	-1.346567469
1.4584001952	0.0877356483	0.9999537652	1.0996443532
1.4539789531	0.3227438796	0.9999537652	-1.5668184312
-1.3095454841	0.1184677885	0.9999537652	-1.117737687
0	0	0	2.9940379764
-1.0284544651	0.8873635267	0.9999537652	-1.2831222052
-1.2958290233	0.1153035106	0.9999537652	-1.0958692865
-2.8772495082	0.1550334452	0.9999537652	-5.4365958443
-1.2341761556	0.1341893058	0.9999537652	-1.2730833474
1.8447991669	0.5983745009	0.9999537652	-1.525284329
0	0	0	10.818785458
1.0276173005	0.8508859163	0.9999537652	-1.1515558926
-1.1457555741	0.9106870632	0.9999537652	-2.2425086765
-1.5741996781	0.0237035578	0.9999537652	-1.1296531448
1.0725856843	0.6949095112	0.9999537652	1.265458727
-1.6171481755	0.1412947611	0.9999537652	1.0520866134
-1.3799140705	0.5648061566	0.9999537652	-1.3121459758
1.0335265875	0.8121779914	0.9999537652	-1.3453573596
0	0	0	6.908559683
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1.165055936	0.2640011957	0.9999537652	1.2998936869
-1.251442232	0.598584382	0.9999537652	-1.0472475037
-1.034919673	0.8191217985	0.9999537652	1.0666477789
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1.0739475427	0.7639988624	0.9999537652	1.0219576039
1.0769451168	0.8200466101	0.9999537652	1.1995024763
-1.4213039175	0.0436527595	0.9999537652	-1.4438451596
1.5422457228	0.0864568713	0.9999537652	-1.5958934884
-1.1605962485	0.3000556362	0.9999537652	-1.1120629771
1.0635603534	0.6249434992	0.9999537652	1.1230512765
-3.8493430216	0.0701681674	0.9999537652	-1.146612601
-1.804850317	0.1863408573	0.9999537652	-1.112478096
2.7933974408	0.6948713406	0.9999537652	-1.1248877899
1.0223047989	0.9006774765	0.9999537652	-1.0194559099
-1.1201877812	0.4768445197	0.9999537652	-1.0604886123
2.7933974408	0.6948713406	0.9999537652	0
1.3005825753	0.1004791369	0.9999537652	1.0837383107

gene_expression_table

1.0679551318	0.8780915913	0.9999537652	-1.1527470941
0	0	0	2.9988886918
1.2092841404	0.6107975243	0.9999537652	-1.1007348853
-1.4577546906	0.0943985855	0.9999537652	1.0189001421
1.0582294747	0.6900225722	0.9999537652	1.0683064326
-1.0230998976	0.8775689152	0.9999537652	1.0206674925
-1.5875118025	0.719861829	0.9999537652	6.9133480437
1.6018881045	0.6925672651	0.9999537652	0
1.081716247	0.7850048533	0.9999537652	1.2537202461
0	0	0	1.2398837679
1.8388612766	0.4313999445	0.9999537652	1.6020963591
0	0	0	4.9527501949
9.8205505243	0.3805794228	0.9999537652	1.2610511029
-1.359568862	0.2013058479	0.9999537652	-1.0224986581
2.7957660672	0.7054832767	0.9999537652	0
-1.4590969081	0.2785047582	0.9999537652	-1.219770326
2.3721824376	0.1382318609	0.9999537652	2.3873555128
9.8205505243	0.3805564752	0.9999537652	0
-1.0426167916	0.7869568888	0.9999537652	1.0237213529
1.0080615151	0.9554696698	0.9999537652	-1.3476380248
0	0	0	6.908559683
20.3530564257	0.2434367	0.9999537652	-1.8961334203
2.8173722589	0.3578436447	0.9999537652	1.2776901668
1.6032957979	0.6855260959	0.9999537652	-2.78893139
1.1559682557	0.5290365509	0.9999537652	-1.0749183568
-6.6831020251	0.0205660771	0.9999537652	1.1594663864
-1.2360019544	0.0998451874	0.9999537652	-1.5170309296
1.0622188426	0.8508685919	0.9999537652	-1.3165243928
-1.0714436087	0.7269613943	0.9999537652	-1.1648210908
1.328316327	0.2183756282	0.9999537652	-1.0821626065
1.0181583546	0.9622829065	0.9999537652	1.7993897083
-1.2901307454	0.268381033	0.9999537652	-1.0876534639
1.0162977585	0.9413699657	0.9999537652	1.1130722193
1.3594099105	0.7970234108	0.9999537652	-1.5186976953
1.3588576256	0.8008310861	0.9999537652	-1.8649865122
-1.3836247056	0.4729035472	0.9999537652	-2.4343626033
-1.0352915919	0.8211469486	0.9999537652	-1.0920870391
-1.2934004406	0.124654583	0.9999537652	1.0089312664
1.0170091418	0.9342706739	0.9999537652	-1.0671527287
-1.0667613964	0.7116011844	0.9999537652	-1.2343447624
1.803487669	0.1804835454	0.9999537652	1.0523155062
-1.5251975786	0.3791708341	0.9999537652	-2.2366824481
9.8205505243	0.3805494011	0.9999537652	-1.3582733839
1.7849205255	0.001992	0.9999537652	1.1368261123
-1.2470641064	0.1720962981	0.9999537652	-1.1491488305
0	0	0	2.9985540909
1.487629049	0.1165691285	0.9999537652	1.2021067438
-1.262385007	0.3200298605	0.9999537652	-1.3239437915
-1.0632333232	0.5983990699	0.9999537652	1.0078447486

gene_expression_table

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1.3590426899	0.3761537995	0.9999537652	-1.2980233679
6.4674395546	0.070478346	0.9999537652	1.8680940039
-1.0726072054	0.8100611604	0.9999537652	-1.1744467349
1.3150458572	0.1022277307	0.9999537652	-1.1286400813
-1.3186076808	0.4265578473	0.9999537652	-2.8193076484
-1.1396208367	0.544703296	0.9999537652	1.2787018343
23.8818846228	0.2167390634	0.9999537652	1.7563703072
-1.5211372542	0.3665068344	0.9999537652	-1.4506341495
-1.1335575491	0.4941690353	0.9999537652	1.12339959
-1.0182486212	0.9147780646	0.9999537652	-1.1241980094
6.3075231393	0.4857492078	0.9999537652	0
1.7158683406	0.3360161316	0.9999537652	-1.0497978916
1.0920240419	0.62215233	0.9999537652	1.1422894243
1.4469375885	0.4025877709	0.9999537652	1.1218054119
1.1216416516	0.901210313	0.9999537652	-1.5838380262
1.0893117919	0.6576163512	0.9999537652	-1.2865437113
-1.3154333204	0.6439373177	0.9999537652	1.3233841675
-1.3894082558	0.1666911894	0.9999537652	-1.3309752956
1.1693375575	0.4579439293	0.9999537652	-1.1578602813
-1.0693351968	0.7865455634	0.9999537652	-1.6695905654
1.2406947549	0.6664970513	0.9999537652	-1.7505240547
1.4884660645	0.025441515	0.9999537652	-1.5205260412
1.1698595601	0.3888229725	0.9999537652	-1.3292850387
6.3075231393	0.4857263905	0.9999537652	2.996475627
-1.1165792233	0.5418866877	0.9999537652	-1.025219763
1.3600088454	0.7955072923	0.9999537652	-2.1727063722
1.32927784	0.0995955705	0.9999537652	-1.0906901074
1.1399586414	0.3576059174	0.9999537652	1.1838622933
1.4222577311	0.1942158082	0.9999537652	1.5004387955
1.3366365121	0.3625361118	0.9999537652	1.0847390348
-1.1066010742	0.7141809449	0.9999537652	-1.0567885824
2.7933974408	0.6948713406	0.9999537652	-9.7554110723
1.8642987684	0.2497673143	0.9999537652	1.7999600779
1.0117578102	0.9281820982	0.9999537652	-1.1964733969
1.0717622344	0.720230473	0.9999537652	-1.0306774712
1.1059891928	0.6371327211	0.9999537652	1.0680966286
9.1237371271	0.0400749476	0.9999537652	-1.47512839
1.6012712676	0.002076	0.9999537652	-1.1473529684
-1.3040401656	0.1204523164	0.9999537652	-1.4761737229
3.7983224081	0.0271273739	0.9999537652	2.2286307361
1.1224886231	0.6927056118	0.9999537652	-1.2345037938
5.3460178673	0.0491827768	0.9999537652	1.0024930783
13.3324809638	0.3194026856	0.9999537652	1.0485154464
-1.0623931073	0.7766317106	0.9999537652	-1.0302681103
1.2127056579	0.1569705905	0.9999537652	-1.2231189272
-1.3357532129	0.2566369982	0.9999537652	-1.773248014
-1.2470493566	0.4600096806	0.9999537652	-1.5713887581

gene_expression_table

-1.1761764882	0.796154256	0.9999537652	1.0417527966
0	0	0	9.7116702472
15.2205810263	0.3049327708	0.9999537652	-18.5461680391
-1.719523697	0.1597657386	0.9999537652	-1.4430717011
-1.0459359664	0.7393024577	0.9999537652	-1.2587157308
1.1304253447	0.5593153775	0.9999537652	-1.105511541
-1.4523386343	0.2552905152	0.9999537652	-1.1224285761
-1.0235715085	0.9403831093	0.9999537652	-1.2798035639
1.1331001403	0.4993180178	0.9999537652	-1.0167621156
15.0880352532	0.2955892438	0.9999537652	1.2661429145
-1.4845108143	0.004804	0.9999537652	-1.0570591659
2.551628948	0.0212107716	0.9999537652	-1.2359445222
1.6380420288	0.0162382303	0.9999537652	-1.1069850529
1.0546898215	0.6857088037	0.9999537652	1.1628932732
1.104017262	0.7319083332	0.9999537652	-1.7981194791
2.9491984565	0.2037967334	0.9999537652	1.8700278501
0	0	0	-5.3608259368
20.3530564257	0.2433991055	0.9999537652	1.5320004571
-1.0405986745	0.8795818362	0.9999537652	1.0923007845
1.0472330956	0.8774829467	0.9999537652	1.2640989948
-1.4521928607	0.040412784	0.9999537652	-1.0797982511
4.5505976667	0.5557790267	0.9999537652	-1.9282391141
-1.0835233486	0.6348122059	0.9999537652	-1.1591135058
-1.7980431703	0.0721008648	0.9999537652	-1.4046391392
0	0	0	-1.4683576122
1.0863607976	0.7979072626	0.9999537652	-1.20600614
4.3306479182	0.1259977229	0.9999537652	-1.4734213639
-1.0288673451	0.9635854798	0.9999537652	1.3864346485
1.0448267999	0.7163906599	0.9999537652	-1.2959607117
1.0939814099	0.6994922539	0.9999537652	1.287732095
1.1034701615	0.766625649	0.9999537652	1.2532707225
1.1070542251	0.6067476999	0.9999537652	1.0580775672
-1.1453192235	0.9086163647	0.9999537652	1.6033828985
-1.1866217015	0.453124199	0.9999537652	-1.1553644184
-1.4738309326	0.657352028	0.9999537652	-7.059407508
1.5527095675	0.0578129006	0.9999537652	-1.3741477036
1.1236950163	0.8892660819	0.9999537652	-1.239649121
5.2421556375	0.1294811357	0.9999537652	-1.4903968027
-1.3368210118	0.1112946434	0.9999537652	-1.7405947593
-1.4311420977	0.4698846268	0.9999537652	-1.0565165766
-1.0495538285	0.8734987538	0.9999537652	-1.0540403849
2.2292907561	0.1350976065	0.9999537652	-1.3886635535
-1.0623578347	0.8174313755	0.9999537652	1.927155001
1.2161583754	0.4521825624	0.9999537652	-1.1494026898
4.4194285245	0.0343611582	0.9999537652	1.0034864765
1.0377531271	0.8857993072	0.9999537652	1.2124048895
-1.8043832832	0.1834550445	0.9999537652	1.1771673362
-1.286542464	0.552696716	0.9999537652	-1.0145744028
-1.25679892	0.1932593429	0.9999537652	-1.0238543449

gene_expression_table

-1.7061631951	0.512245813	0.9999537652	2.015179835
1.1137797095	0.4690510281	0.9999537652	-1.0131434984
-1.0578275344	0.7694535403	0.9999537652	-1.0725094354
1.3600088454	0.7960314898	0.9999537652	-4.7721736557
0	0	0	1.8383591193
1.1477192382	0.2576752983	0.9999537652	1.0643932097
1.0431215243	0.8584058197	0.9999537652	-1.2314243146
9.8291821523	0.3810792211	0.9999537652	1.1113292551
0	0	0	-1.6173574324
-1.2291604513	0.2864529338	0.9999537652	-1.0996644369
1.0374523201	0.9211744551	0.9999537652	1.2410887995
2.4311635089	0.061472287	0.9999537652	1.2829621228
-1.0295564388	0.9447503079	0.9999537652	-1.1722893862
1.1936037065	0.4672240491	0.9999537652	-1.1334585605
0	0	0	0
-1.2403103001	0.6468437841	0.9999537652	-1.6164179914
-1.3533560557	0.1822975248	0.9999537652	1.2060550334
1.2004094194	0.3690636639	0.9999537652	1.3335506904
0	0	0	1.266587837
-1.0490138295	0.7628811996	0.9999537652	-1.1003804534
1.1242072872	0.8664818374	0.9999537652	1.1334361866
1.1251860686	0.8659175242	0.9999537652	-1.1703505369
1.145590572	0.411043483	0.9999537652	-1.0439053235
6.3128691894	0.481370604	0.9999537652	21.8277395785
-1.3136730568	0.3696628686	0.9999537652	-1.8047914737
0	0	0	0
1.1762937518	0.6378251229	0.9999537652	1.1216960639
-1.0520168673	0.8514154958	0.9999537652	-1.4206729006
-1.0129021342	0.9710579648	0.9999537652	1.0244662873
0	0	0	22.9814455074
-4.3267800353	0.196360431	0.9999537652	-4.1081049688
1.2376801656	0.2302393292	0.9999537652	1.1417793181
-1.5170894827	0.2534339765	0.9999537652	-1.042069914
1.3637911166	0.1707045677	0.9999537652	1.2241968907
1.3036454842	0.7494629913	0.9999537652	4.8885934785
1.9936796515	0.0714485827	0.9999537652	-1.38196012
0	0	0	2.996475627
-1.5073464892	0.3210055756	0.9999537652	1.0302658554
1.1650335588	0.5902805278	0.9999537652	-1.1055173815
1.6807324819	0.4288357994	0.9999537652	1.0352991504
-1.1946343414	0.263872796	0.9999537652	-1.5006053242
-1.2354060772	0.3580659043	0.9999537652	1.0784520948
4.20605194	0.2970301065	0.9999537652	-1.2130610766
-2.0240465997	0.1687931397	0.9999537652	1.5123239872
-1.0086708751	0.9900522166	0.9999537652	-1.4126903528
1.2883472386	0.7181160133	0.9999537652	-1.4102941558
-1.3306718218	0.1051930339	0.9999537652	-1.2347059899
-4.3214691297	0.1498731208	0.9999537652	4.0161574689
-1.3685167982	0.7411237957	0.9999537652	2.6421916756

gene_expression_table

-1.120333337	0.5927805309	0.9999537652	-1.0710698321
1.0470307226	0.743670398	0.9999537652	-1.463306182
-1.2682791024	0.3070792828	0.9999537652	-1.3630524875
55.3905770121	0.1165454776	0.9999537652	1.6447327969
-1.311903025	0.380659926	0.9999537652	-1.106327684
-1.1300927121	0.8385744323	0.9999537652	1.0085110121
1.9875802815	0.1403839349	0.9999537652	-1.1791410574
-1.1383391077	0.3801249348	0.9999537652	1.0578530355
-1.3272048102	0.2123362942	0.9999537652	1.1137995697
0	0	0	2.9985540909
1.1281050728	0.4115895632	0.9999537652	-1.2412266682
4.5505976667	0.5557790267	0.9999537652	4.9527501949
1.0358891855	0.9686167954	0.9999537652	1.08782678
0	0	0	2.996475627
1.0004930433	0.998993079	0.9999537652	-1.2559840346
1.0167789469	0.9443360871	0.9999537652	-1.5497537206
3.3087541388	0.2716723318	0.9999537652	1.5500113516
-1.0515537329	0.8044856143	0.9999537652	-1.1308884522
1.2614216143	0.0601372921	0.9999537652	-1.293448118
-1.2746614738	0.1606763397	0.9999537652	-1.343514666
-1.4083859417	0.1219964968	0.9999537652	-1.0150048583
0	0	0	4.9527501949
1.1843584263	0.4939920952	0.9999537652	-1.0187531996
1.1662839454	0.5812564947	0.9999537652	-1.1073929618
1.8511995871	0.001362	0.9999537652	1.1387724476
-1.2885166979	0.2097972531	0.9999537652	-1.5979015063
1.1485985637	0.463638587	0.9999537652	-1.2338173939
1.2474504541	0.2814024272	0.9999537652	1.0274012556
1.4033976605	0.1585237062	0.9999537652	-1.0264917348
-1.1791115305	0.6931894239	0.9999537652	1.6457190488
-1.0959611736	0.544670553	0.9999537652	-1.268436564
1.3640825792	0.4394251463	0.9999537652	-1.0725835009
-1.2702086188	0.5106842361	0.9999537652	1.0639511794
1.0517213946	0.7251277381	0.9999537652	1.1020028167
1.6071434688	0.0321082374	0.9999537652	1.4847501504
1.1719379916	0.7833002549	0.9999537652	-1.2480287389
-1.3012101317	0.3635409955	0.9999537652	-1.2585399598
2.6895092879	0.2385949016	0.9999537652	1.4524556074
1.8705325496	0.4019540183	0.9999537652	-1.892635601
1.179616791	0.509223424	0.9999537652	1.0724299226
8.064174035	0.423855746	0.9999537652	0
1.1200919063	0.4592957806	0.9999537652	-1.3477369094
-1.2595693104	0.287632038	0.9999537652	-1.161452869
1.9059187914	0.4672046374	0.9999537652	-1.1140665736
-1.1457555741	0.9106704818	0.9999537652	-1.2697820089
1.0282505514	0.8757687512	0.9999537652	-1.0851625246
-1.3137997922	0.2059123605	0.9999537652	1.0281362136
0	0	0	0
3.3080470333	0.0608573319	0.9999537652	-2.3074879621

gene_expression_table

0	0	0	2.9972756496
9.8372048419	0.3843062409	0.9999537652	4.0566323706
-1.1301523119	0.6636493577	0.9999537652	-1.1704766606
-1.7345363658	0.4193767725	0.9999537652	1.1376282384
-1.0586229118	0.7711485084	0.9999537652	-1.8139138372
2.6488226131	0.1941596219	0.9999537652	2.207345736
1.3473071656	0.0748946907	0.9999537652	-1.0057254017
1.0826140142	0.8001200143	0.9999537652	1.5016244389
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	12.7732027325
1.0459041815	0.7933892395	0.9999537652	-1.58328359
0	0	0	2.9985540909
1.5326933747	0.4164263986	0.9999537652	-1.2236066266
1.6046040403	0.6917707948	0.9999537652	-2.1769706842
1.122660888	0.4718890446	0.9999537652	-1.4579593921
39.7041008618	0.1475991552	0.9999537652	-2.1312910006
1.3028815963	0.1823035632	0.9999537652	-1.5651416058
1.3723866226	0.2145749054	0.9999537652	-1.0285542219
-1.2614698103	0.5023397603	0.9999537652	-1.1135315466
-1.0132266269	0.9585522246	0.9999537652	-1.0098569271
1.1283570835	0.8121235041	0.9999537652	-1.0581769348
1.2923449892	0.4693123496	0.9999537652	-1.1155336866
-1.2521622905	0.5918397809	0.9999537652	-1.0139659426
2.7957660672	0.7054856396	0.9999537652	0
1.1396036817	0.5664677148	0.9999537652	-1.0620047471
1.1881984225	0.4683083382	0.9999537652	-1.057108781
-1.2976669841	0.1058410483	0.9999537652	-1.0947358968
1.0554825372	0.8714353228	0.9999537652	1.2517152158
-3.2071184374	0.2125790761	0.9999537652	-2.2054639418
-1.6888941245	0.0595993437	0.9999537652	-1.5459255313
-4.1003030613	0.1495902562	0.9999537652	16.7153157555
1.1010789506	0.849421635	0.9999537652	-1.0951465634
1.7563124292	0.0750090928	0.9999537652	-1.1621660762
1.244365816	0.627586769	0.9999537652	1.4081574407
1.2944710075	0.3033174	0.9999537652	1.239900045
2.1937105913	0.315831261	0.9999537652	1.2253415563
1.1658942226	0.8143072371	0.9999537652	1.1001459919
-1.3633704643	0.1651451195	0.9999537652	-1.008350153
2.7933974408	0.6948713406	0.9999537652	8.8639046058
1.1176349168	0.6745296837	0.9999537652	-1.1535515591
-1.2924310654	0.421361771	0.9999537652	-1.0035198717
-1.1756105772	0.2821831644	0.9999537652	-1.0321947226
1.2838351741	0.6937459471	0.9999537652	-1.0646292152
-1.5875118025	0.7198285331	0.9999537652	1.2400291296
-1.2364669196	0.1702432465	0.9999537652	-1.3865126451
1.2657827949	0.0458097196	0.9999537652	-1.3449928239
2.8188879029	0.1115304891	0.9999537652	-1.1485760228
-1.1082002784	0.8140595727	0.9999537652	-1.2161300368
8.064174035	0.4238544098	0.9999537652	-1.3188442921

gene_expression_table

-1.0726198358	0.8440422844	0.9999537652	-1.2263715504
-1.214909249	0.2806375652	0.9999537652	-1.1537940212
1.1608701596	0.3962550227	0.9999537652	1.9530523656
1.3965847999	0.6273554772	0.9999537652	1.3160484734
-1.4285065007	0.1823650738	0.9999537652	1.185016327
2.7933974408	0.6948713406	0.9999537652	0
1.1426607954	0.7138442235	0.9999537652	-1.2979840495
-1.1423811041	0.6040181185	0.9999537652	1.2963173426
1.3588921917	0.7999082067	0.9999537652	1.2307342269
-1.3819104686	0.4575578992	0.9999537652	1.0632770748
-1.0961023794	0.6309564832	0.9999537652	-1.2428521456
2.3808946632	0.1196842596	0.9999537652	1.0591380176
1.1212430665	0.9123543124	0.9999537652	1.2197594041
-1.1688282056	0.3046970341	0.9999537652	-1.1669492991
-1.0165452602	0.9322961596	0.9999537652	1.2216942647
1.0719363028	0.8021190726	0.9999537652	1.0149268118
4.5135922652	0.0252168205	0.9999537652	-1.1395652107
8.885375379	0.0450586252	0.9999537652	-1.9069868573
1.325537838	0.0311560868	0.9999537652	1.2043603349
-1.0846227732	0.69933287	0.9999537652	-1.6060557994
-2.2639689735	0.1175515285	0.9999537652	-1.2555829581
2.0591268911	0.0081	0.9999537652	-1.3581570118
-1.0659362063	0.8861765174	0.9999537652	-1.2044940791
-1.1075535652	0.7166205661	0.9999537652	1.5088721074
1.0525803912	0.7827430016	0.9999537652	1.0227684358
1.4472430402	0.1968863502	0.9999537652	1.5302836452
2.0146502341	0.3727411799	0.9999537652	2.5921936947
-1.0712832442	0.7331085269	0.9999537652	1.4854659655
-1.2927168086	0.5077315697	0.9999537652	-1.3287293093
1.0168454914	0.9421374219	0.9999537652	1.3552929062
1.3619023403	0.0975713433	0.9999537652	1.2869908174
1.1486721533	0.5292648487	0.9999537652	1.5763814567
-1.1608398396	0.4630036979	0.9999537652	1.1509275924
6.3075231393	0.4857035612	0.9999537652	-2.8188010609
-1.0809832252	0.6392738664	0.9999537652	1.0181345881
-1.0567421345	0.7525498655	0.9999537652	-1.0801969844
1.4947645522	0.2206917176	0.9999537652	1.421428663
0	0	0	2.6434024479
-1.6658819164	0.4333457971	0.9999537652	1.1687933144
9.8205505243	0.3805423413	0.9999537652	1.5337522997
-1.0654590622	0.848148443	0.9999537652	-1.2353970623
18.5983228161	0.2579893867	0.9999537652	1.0281495543
-1.0025611851	0.9887195812	0.9999537652	1.5395556125
6.3075231393	0.4856807199	0.9999537652	2.8230593868
0	0	0	1.6293799659
2.7933974408	0.6948713406	0.9999537652	2.9985540909
2.6385886072	0.234634825	0.9999537652	-5.1602685354
-1.0025576653	0.9898298049	0.9999537652	2.1215014107
15.0880352532	0.2953123792	0.9999537652	-1.1241083699

gene_expression_table

1.4165391913	0.4168444074	0.9999537652	1.1963816205
-1.0966804838	0.7781248117	0.9999537652	1.0738289762
-1.0030849643	0.990485157	0.9999537652	1.1828444467
-1.2840126527	0.2064140148	0.9999537652	1.5502778448
1.7731057898	0.2467864476	0.9999537652	1.826300294
-1.301307353	0.3526377344	0.9999537652	-1.1743862213
0	0	0	2.996475627
1.0202654252	0.9471846565	0.9999537652	-1.1004435788
1.0997561902	0.7065568568	0.9999537652	1.1430204839
1.4922045073	0.1721897354	0.9999537652	1.2682682166
1.1162834585	0.9272419326	0.9999537652	-2.2257756135
1.0233315722	0.8984237065	0.9999537652	-1.0066325084
4.5122462652	0.0159171321	0.9999537652	1.0531903154
-1.7073157204	0.1543298723	0.9999537652	-1.1032944191
1.254032753	0.2421399241	0.9999537652	1.2295953012
-1.4927489467	0.0499075931	0.9999537652	1.2796089419
1.168006364	0.6600949886	0.9999537652	-1.4624495673
1.193935423	0.7914697934	0.9999537652	1.2273656619
-1.2552570644	0.3679937521	0.9999537652	1.5137526073
-1.1530470734	0.4376346138	0.9999537652	1.1240373259
1.0970727976	0.7737662306	0.9999537652	1.4164151306
-1.0097465734	0.9844020815	0.9999537652	-1.175553458
1.2765905664	0.5564131676	0.9999537652	1.1886228911
1.4514413853	0.5194901015	0.9999537652	1.2946642925
-1.5881570201	0.7077577411	0.9999537652	2.9985540909
-1.586167124	0.7108092302	0.9999537652	-3.3826461929
2.7933974408	0.6948713406	0.9999537652	6.908559683
0	0	0	2.9985540909
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.2707369491	0.5336904993	0.9999537652	-1.1280160395
-1.1892662586	0.3612950794	0.9999537652	1.0213588522
-1.1575124287	0.3546859617	0.9999537652	1.3582638358
1.8447991669	0.5971013514	0.9999537652	4.9527501949
8.064174035	0.4238530733	0.9999537652	0
-1.5739807169	0.4890192501	0.9999537652	15.9061931258
9.8205505243	0.3804768107	0.9999537652	1.2398837679
2.6785550839	0.0002617	0.9999537652	1.6052999973
5.0040817115	0.1271426994	0.9999537652	2.6071338396
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-1.477038777	0.3702340459	0.9999537652	1.2827232261
1.4689054779	0.3802040161	0.9999537652	-1.4259261512
-1.0506650712	0.9120194616	0.9999537652	2.4592702872
1.2893688746	0.7076926618	0.9999537652	-1.019441536
1.0512666838	0.8891775199	0.9999537652	1.3192582085
1.6571181455	0.5555300284	0.9999537652	1.3055636456
-1.0338647544	0.8794896999	0.9999537652	1.5598415203
1.3368672143	0.3757451387	0.9999537652	1.0195338947
-1.5118183191	0.131020967	0.9999537652	-1.1685149838
2.4930331421	0.1076191604	0.9999537652	2.6831117316

gene_expression_table

-1.1189442889	0.7151141203	0.9999537652	1.7164978104
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.128245903	0.5500772122	0.9999537652	1.2959250467
-1.4276018648	0.0584723328	0.9999537652	-1.1164029876
1.0952012099	0.7716644543	0.9999537652	1.0927825172
1.2329510555	0.3608389314	0.9999537652	1.0458716648
-1.2920422915	0.5687702546	0.9999537652	1.2098319596
-2.0574409626	0.3046858164	0.9999537652	1.1527804599
-1.0038011802	0.9850343491	0.9999537652	1.0217813369
1.3475167769	0.4483815813	0.9999537652	1.0191573106
-1.1169034937	0.5605936878	0.9999537652	1.5926577405
-1.0837104855	0.6274159951	0.9999537652	1.4286121917
4.5505976667	0.5557790267	0.9999537652	1.1414910892
1.1258459376	0.8229052205	0.9999537652	-1.0290718605
-1.1853870477	0.3570105659	0.9999537652	1.0335562564
-1.0867616237	0.8051038887	0.9999537652	-1.2748562641
-1.6015602529	0.2157162929	0.9999537652	-1.002102582
1.5116429066	0.2807435933	0.9999537652	1.4665139098
0	0	0	2.996475627
0	0	0	2.9985540909
6.3075231393	0.4856578666	0.9999537652	1.26863809
2.375760489	0.2568951151	0.9999537652	2.0817128167
-1.2001894462	0.3218514376	0.9999537652	1.3357143938
1.0985261247	0.6780779652	0.9999537652	1.3199288051
1.0734694883	0.5939941365	0.9999537652	1.088456562
-1.0973034006	0.705984831	0.9999537652	1.3851160313
2.7149220237	0.3431876162	0.9999537652	-1.0439154738
-4.8095156671	0.2070002691	0.9999537652	0
18.5983228161	0.2580226347	0.9999537652	-1.6622355843
1.2217604276	0.4192622078	0.9999537652	1.3874055683
0	0	0	2.996475627
2.5569228903	0.2910472058	0.9999537652	1.1434777493
1.1241786901	0.8746946646	0.9999537652	-1.2129116771
-6.9764533263	0.2593113237	0.9999537652	12.7732027325
1.1453538527	0.5868607512	0.9999537652	1.1715936728
1.7223668512	0.2043971082	0.9999537652	-1.1449270845
0	0	0	1.9432271302
1.3014784288	0.7466097159	0.9999537652	-1.3375799456
1.277202723	0.6580279331	0.9999537652	-1.099788524
1.384485804	0.3194854382	0.9999537652	1.4777590678
-1.054141025	0.791556286	0.9999537652	1.0967061151
8.0781087093	0.4256693294	0.9999537652	-3.3826461929
1.1036431645	0.7504142811	0.9999537652	-1.3360055468
-1.3374992129	0.2467680636	0.9999537652	-1.0330152676
1.0564364664	0.8361101924	0.9999537652	1.1511899953
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1.4282553643	0.3752054851	0.9999537652	-1.205290762
3.5458425332	0.2619565568	0.9999537652	-1.0582880019
1.0525913883	0.8841841245	0.9999537652	1.3646401747

gene_expression_table

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1.233187847	0.6143792904	0.9999537652	-1.4705270114
6.3075231393	0.4856350014	0.9999537652	0
9.8288704632	0.3801346658	0.9999537652	2.6930891478
1.2451745823	0.4931042106	0.9999537652	-1.1251704249
0	0	0	16.6921882404
2.7933974408	0.6948713406	0.9999537652	0
4.5505976667	0.5557790267	0.9999537652	-5.3583704783
4.5505976667	0.5557790267	0.9999537652	0
1.5096749162	0.0906418615	0.9999537652	-1.2300293279
-1.1535860236	0.2573459755	0.9999537652	-1.0528838308
-1.8046806307	0.005882	0.9999537652	-1.0477872221
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41.1815769185	0.1509716372	0.9999537652	2.6746613342
1.1334417217	0.6264088654	0.9999537652	1.2138833754
-2.587194901	0.5006847496	0.9999537652	-2.0714095881
1.0101987241	0.9392972628	0.9999537652	-1.0053744114
1.3240315559	0.5504599042	0.9999537652	-2.3359348394
1.7498891159	0.456032818	0.9999537652	-1.9178478095
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	6.9133480437
-1.0907974023	0.8464360189	0.9999537652	1.2631811856
-1.0669022223	0.671507895	0.9999537652	1.4759401581
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-1.2764424044	0.3707513532	0.9999537652	-1.0200578279
1.367060712	0.0617729359	0.9999537652	1.1255925107
-1.0470651298	0.9033337993	0.9999537652	1.1840172299
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-1.0959123468	0.5978645791	0.9999537652	-1.1482094461
1.2979308881	0.3638972584	0.9999537652	1.0354676769
1.0717588054	0.8565093837	0.9999537652	-1.3403308597
1.4647892141	0.4952985584	0.9999537652	1.0252934474
-1.3073678212	0.5824949814	0.9999537652	-1.3425058873
1.0798498775	0.7188689027	0.9999537652	-1.3442141121
-1.3365524418	0.3160480326	0.9999537652	-1.2530812186
-2.1293015853	0.3365392143	0.9999537652	1.1239199258
-1.2455119556	0.4837074263	0.9999537652	1.0808254817
-1.0962031519	0.6348632801	0.9999537652	-1.2451599711
2.7933974408	0.6948713406	0.9999537652	0
-1.0941301256	0.8501844533	0.9999537652	1.389359736
-1.0077008142	0.9743676258	0.9999537652	1.1676660251
1.2013224142	0.3416661239	0.9999537652	1.0038000571
1.0428108136	0.7744666013	0.9999537652	-1.1274505155
3.0602334741	0.3286200346	0.9999537652	0
2.614036232	0.1497598131	0.9999537652	1.3464022699
1.1365752596	0.2585398368	0.9999537652	1.3206932155
1.1339005076	0.574440775	0.9999537652	-1.2869957595
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gene_expression_table

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1.7057258576	0.2354668158	0.9999537652	1.0563444999
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1.0694044834	0.801499651	0.9999537652	-1.0204507389
1.0111288402	0.9822893092	0.9999537652	-1.2323826996
2.2962279822	0.3617210307	0.9999537652	1.1248592401
1.9889507548	0.0244790145	0.9999537652	-1.2090681484
-1.7505776912	0.4855268788	0.9999537652	1.840905247
16.8581089812	0.2737927009	0.9999537652	-2.0456148517
-1.1512122706	0.7742336184	0.9999537652	-1.0320395109
1.0918330848	0.873110139	0.9999537652	-1.4306553732
2.3253723069	0.1077908736	0.9999537652	-1.0461084318
1.089873767	0.7935337567	0.9999537652	-1.2936428674
-1.0610809001	0.7869883638	0.9999537652	1.061315052
9.8205505243	0.3804117652	0.9999537652	-1.8438619278
2.7933974408	0.6948713406	0.9999537652	-1.3092040421
-1.0824588844	0.5438907228	0.9999537652	-1.095329875
1.0288019279	0.857141477	0.9999537652	1.119630364
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5.5687238427	0.0418949521	0.9999537652	-4.1578342229
2.7933974408	0.6948713406	0.9999537652	0
1.1202036844	0.8945170799	0.9999537652	-1.1230580054
-1.2314081917	0.326162262	0.9999537652	1.0664169111
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-1.3769796102	0.2384897627	0.9999537652	1.1205589412
3.0654152135	0.31441189	0.9999537652	-1.1698173577
-1.1485172546	0.4578692467	0.9999537652	1.2301513321
1.3656652675	0.2506135958	0.9999537652	-1.2687612391
1.1256336023	0.8815811281	0.9999537652	1.1021486217
1.075295779	0.7274758405	0.9999537652	-1.1283010443
-1.1414561101	0.4911634641	0.9999537652	1.0764623523
1.0719638578	0.7272870224	0.9999537652	1.6039923611
1.0036584035	0.9834417829	0.9999537652	1.1641662271
3.857717517	0.1263654983	0.9999537652	1.0441854119
1.0948276309	0.8697849337	0.9999537652	1.7255265328
-1.4178951235	0.1833840602	0.9999537652	-1.0735789564
2.7933974408	0.6948713406	0.9999537652	0
1.1240347019	0.8993767546	0.9999537652	1.6011715681
1.361463763	0.2709169206	0.9999537652	-1.4730549859
1.8996613299	0.1525785602	0.9999537652	1.186876449
1.20323409	0.1586628689	0.9999537652	1.0393344568
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-1.0241779203	0.9450431611	0.9999537652	-1.0286221032
1.2547148158	0.480972848	0.9999537652	1.1526808356
-1.0652308948	0.740151293	0.9999537652	1.0429885079
1.3577288541	0.0928306361	0.9999537652	-1.3057352681
1.0669316331	0.8444982579	0.9999537652	-1.182886298

gene_expression_table

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0	0	0	2.996475627
-1.3487089989	0.1851800659	0.9999537652	-1.0623795456
1.9758702874	0.0909947869	0.9999537652	1.7216300277
3.3101061658	0.3001735128	0.9999537652	-2.2790859482
-1.308886814	0.3794972507	0.9999537652	1.2334916476
-1.1300770692	0.5036448098	0.9999537652	-1.1079122308
-1.1233545595	0.6912390092	0.9999537652	-1.0337037416
-1.2254908816	0.3804892175	0.9999537652	-1.0144695311
-1.0220720069	0.929956001	0.9999537652	1.2543863681
8.064174035	0.4238517368	0.9999537652	-9.7542681481
-1.0014866836	0.9922884507	0.9999537652	-1.0406740712
1.0551311209	0.835728015	0.9999537652	-1.043378998
1.2266013804	0.7027208519	0.9999537652	-1.2363407481
-1.6062758565	0.3081292775	0.9999537652	-1.5876369064
1.118076533	0.4769363522	0.9999537652	-1.1376943547
-1.5701247492	0.2556389836	0.9999537652	-1.0210562873
-1.7280698657	0.4641170891	0.9999537652	-1.1617246056
0	0	0	-1.859280336
-1.7184794315	0.007938	0.9999537652	-1.2409760363
-1.2169981524	0.5097245994	0.9999537652	1.2216468823
1.637293124	0.2381534342	0.9999537652	-1.2846156591
4.5505976667	0.5557790267	0.9999537652	1.2400291296
-1.0197370871	0.8655374487	0.9999537652	1.069599718
-1.7329433723	0.1811641231	0.9999537652	-1.1815807982
1.3045611542	0.498670192	0.9999537652	1.0387679491
-1.2812453468	0.1580630315	0.9999537652	-1.1068047103
1.1123641806	0.7591573151	0.9999537652	-1.3543574793
1.0275816656	0.9173327923	0.9999537652	1.055996581
1.1425966877	0.494547478	0.9999537652	1.2039997795
1.8094157661	0.0600136193	0.9999537652	1.1667470542
9.8205505243	0.380401755	0.9999537652	-1.8677891537
-1.082876609	0.6760678528	0.9999537652	-1.3763058259
9.8205505243	0.3804054104	0.9999537652	-1.4769135829
9.8288704632	0.3801247182	0.9999537652	-1.1248877899
-2.1684921399	0.00255	0.9999537652	-1.0472178763
4.5505976667	0.5557790267	0.9999537652	-1.5096535101
-1.3778945252	0.0493259228	0.9999537652	-1.4099440408
1.2354125676	0.2570531061	0.9999537652	1.2309295889
2.8612976293	0.0720659659	0.9999537652	1.014511427
-1.0383470747	0.9549513126	0.9999537652	-4.2646994388
1.7487353185	0.2407377046	0.9999537652	-1.4384357174
-1.1403285666	0.3312190561	0.9999537652	-1.1037515255
-1.2894344198	0.2654411135	0.9999537652	1.014648994
1.0290346229	0.8076122934	0.9999537652	-1.1508101262
1.106085976	0.7481836812	0.9999537652	-1.1933853856
1.1276320247	0.5426791216	0.9999537652	1.1587921414
-1.1470586676	0.4175020133	0.9999537652	-1.0842399285

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	2.996475627
1.4788179842	0.3420423134	0.9999537652	-1.267857559
-1.3740558324	0.5049392843	0.9999537652	1.2380305836
2.7933974408	0.6948713406	0.9999537652	-2.1267898759
-1.117698697	0.5690507809	0.9999537652	1.1937717607
-1.0873223526	0.6927162132	0.9999537652	-1.1296675489
1.3082061	0.5362974685	0.9999537652	1.2211966497
-1.0849522591	0.7365466994	0.9999537652	1.1294786692
-1.4929695772	0.5413232483	0.9999537652	2.4125708505
2.7933974408	0.6948713406	0.9999537652	2.9985540909
-1.2331744635	0.7458071816	0.9999537652	1.3937797673
1.5126786731	0.0819851339	0.9999537652	-1.2386555983
-1.0620863923	0.8376757312	0.9999537652	-1.0609190868
-1.0043322012	0.9724442932	0.9999537652	-1.2184562983
1.6311623189	0.2678415774	0.9999537652	-1.4330613149
-1.956097916	0.1350849269	0.9999537652	1.1796488974
-1.310422014	0.5460323993	0.9999537652	-1.2791063678
-3.0591167494	0.0163456428	0.9999537652	1.1132302063
-1.2673036399	0.1437885922	0.9999537652	-1.2430462331
-1.2710069817	0.2652799692	0.9999537652	-1.231625545
1.0644333303	0.6165930774	0.9999537652	-1.2591569783
-1.1656652265	0.4213411688	0.9999537652	1.2646064717
1.1615706976	0.5039451499	0.9999537652	-1.1779260488
-2.0016488794	0.4274993691	0.9999537652	-1.8939673643
1.5569214008	0.382177694	0.9999537652	1.1495705254
8.064174035	0.4238504002	0.9999537652	0
-1.3697544738	0.7454504647	0.9999537652	-3.8916278711
-1.2078348623	0.7082024422	0.9999537652	-1.0000250282
-1.2883540559	0.4246241569	0.9999537652	1.0881665884
-2.4710767924	0.5445143636	0.9999537652	15.9659633994
-1.5875118025	0.7196666679	0.9999537652	8.8639046058
1.6428427448	0.6033101941	0.9999537652	1.2133621807
1.3515265142	0.2122719189	0.9999537652	1.0531083219
-1.4239425349	0.4362473181	0.9999537652	-1.3191372433
1.1887590105	0.7346304275	0.9999537652	1.3072984098
-1.3477987541	0.357201161	0.9999537652	-1.1067590415
0	0	0	1.8236985283
1.6441361883	0.5981320653	0.9999537652	1.8779844073
2.7957660672	0.7054880037	0.9999537652	-1.859280336
18.5983228161	0.2584132187	0.9999537652	14.7373490367
4.5505976667	0.5557790267	0.9999537652	2.996475627
0	0	0	2.996475627
-1.2821668115	0.6635126359	0.9999537652	-1.168696175
-3.0642309448	0.0992832356	0.9999537652	-1.4298575296
-1.3117714304	0.1662613683	0.9999537652	-1.0322634167
4.3889698241	0.074209006	0.9999537652	1.3699481043
15.0880352532	0.2953064644	0.9999537652	1.2204357003
1.0353671495	0.9657588963	0.9999537652	1.2577820161
15.0880352532	0.2953005413	0.9999537652	1.5332902179

gene_expression_table

2.9491038969	0.1957929575	0.9999537652	-1.3958000578
-1.8702016042	0.0201329983	0.9999537652	1.2600569355
1.0690438635	0.6392806216	0.9999537652	1.2269577252
1.0946757017	0.5953256372	0.9999537652	1.5987313339
-3.9015340979	0.1462907409	0.9999537652	-2.2622910849
1.1085725316	0.4299362639	0.9999537652	1.1112629289
6.3075231393	0.4856121243	0.9999537652	-1.2751409182
1.0521655196	0.7728725581	0.9999537652	1.0493568883
1.0189249425	0.9205782109	0.9999537652	1.0743829913
1.6492074161	0.2360295935	0.9999537652	1.2700924697
-1.0584956639	0.9291524755	0.9999537652	1.0888652996
2.7933974408	0.6948713406	0.9999537652	2.996475627
8.0710074692	0.4203803387	0.9999537652	-1.8601323346
20.3530564257	0.2433615517	0.9999537652	1.590997316
9.8205505243	0.3808303912	0.9999537652	2.2945277226
5.4106480174	0.0151664645	0.9999537652	1.148750386
-1.0492751378	0.8162375214	0.9999537652	1.3064153756
0	0	0	2.996475627
-1.7148207449	0.4983920312	0.9999537652	-1.5570092418
1.17668772	0.8040260077	0.9999537652	-1.0609851856
1.1168392827	0.9281799885	0.9999537652	-1.8579915692
-2.9295608969	0.1082219532	0.9999537652	-1.0038186338
-2.6456414501	0.164437227	0.9999537652	1.0903282479
1.1442822167	0.5478726398	0.9999537652	1.4567424265
0	0	0	0
0	0	0	8.8639046058
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-2.9571648132	0.3435095545	0.9999537652	2.0875246791
1.3588875466	0.0289937107	0.9999537652	-1.1281762101
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.4951656018	0.5018182406	0.9999537652	1.5954154423
1.0156213372	0.9431218968	0.9999537652	1.1243927921
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1.112445692	0.4744461319	0.9999537652	1.0235590997
1.138525766	0.6089528842	0.9999537652	-1.0600875003
-1.3718565692	0.2709999251	0.9999537652	1.193923766
1.4230726096	0.4330574073	0.9999537652	-1.1111137588
0	0	0	1.7042814026
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29.1718985747	0.1883076951	0.9999537652	1.2544258963
-1.0128493486	0.9596399182	0.9999537652	1.4239148743
-6.9736190158	0.2250321147	0.9999537652	6.908559683
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1.042993087	0.9384910311	0.9999537652	-1.2161032218
1.034946767	0.9678218098	0.9999537652	-2.5413313201
-1.0632421733	0.7797828587	0.9999537652	1.1131026493
0	0	0	33.3754495834
0	0	0	6.908559683

gene_expression_table

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-1.0540886962	0.6469794344	0.9999537652	1.0713034019
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0	0	0	6.908559683
9.8288704632	0.3801147743	0.9999537652	-2.4308917764
1.2495745759	0.1538558033	0.9999537652	-1.0243446133
-1.4284000021	0.2092816681	0.9999537652	1.3479636082
0	0	0	1.2408886006
-1.0419869759	0.7838499062	0.9999537652	1.1318848164
1.5849862528	0.0524436549	0.9999537652	-1.224508663
-1.3250439852	0.2948037819	0.9999537652	-1.0989763394
1.7327292703	0.0607831301	0.9999537652	1.1255907232
0	0	0	0
6.3128691894	0.481274382	0.9999537652	-5.3589986948
-1.3024238841	0.1869568499	0.9999537652	1.2996440128
2.9775254962	0.169925526	0.9999537652	-2.3208801577
1.072825034	0.8033885682	0.9999537652	1.178401873
0	0	0	8.8700459102
-1.1400073919	0.2631404661	0.9999537652	1.1253673007
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-1.4297107459	0.0501835856	0.9999537652	1.0967066077
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-1.4091072755	0.3233553755	0.9999537652	1.4120950102
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4.5505976667	0.5557790267	0.9999537652	2.9940379764
-1.1911871978	0.2471919701	0.9999537652	1.1837766398
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1.6018473574	0.6931959937	0.9999537652	-1.647337401
2.3712151217	0.0508543821	0.9999537652	-1.024486205
1.0285771544	0.8650263558	0.9999537652	-1.2876243038
2.7933974408	0.6948713406	0.9999537652	2.9985540909
1.2654778301	0.7439324913	0.9999537652	1.042293684
8.064174035	0.4238490634	0.9999537652	2.2926838869
-1.2998132716	0.2489585701	0.9999537652	-1.0721200822
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1.2793831669	0.2483831017	0.9999537652	1.3855836392
-1.1543560772	0.3255422625	0.9999537652	-1.1144600223
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0	0	0	-1.8580020618
-1.1223548879	0.7204905026	0.9999537652	1.3996422181
-1.1306967923	0.7366957589	0.9999537652	-1.131004236
4.5505976667	0.5557790267	0.9999537652	4.0435942789
-1.4287639136	0.4229136721	0.9999537652	-1.119768208
6.3075231393	0.4855892354	0.9999537652	0
1.0689462721	0.6915874293	0.9999537652	1.0786632952
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1.2266035464	0.5164652771	0.9999537652	1.4555414363
-1.1085504689	0.6120702808	0.9999537652	1.1382013097

gene_expression_table

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0	0	0	-4.5547427608
1.0244936248	0.9070447078	0.9999537652	-1.0976858444
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-1.0582641688	0.9461292521	0.9999537652	-3.4826854224
-1.047053245	0.9219428316	0.9999537652	1.3890960004
4.5505976667	0.5557790267	0.9999537652	-1.1441751338
1.3950834493	0.2742635434	0.9999537652	1.0094745326
-1.2940353524	0.3153248544	0.9999537652	-1.007270923
1.1706394892	0.4637956757	0.9999537652	1.0038322139
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1.0536947701	0.8410262914	0.9999537652	1.2995231007
2.7933974408	0.6948713406	0.9999537652	0
-1.2320855018	0.7463975051	0.9999537652	2.4996798995
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-2.0621799935	0.0729633202	0.9999537652	-1.1563505327
-1.6059557345	0.1831838661	0.9999537652	1.7621960242
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8.064174035	0.4238477265	0.9999537652	6.9133480437
2.087766184	0.5276475732	0.9999537652	-5.3583704783
2.7933974408	0.6948713406	0.9999537652	-1.8579915692
-1.088499798	0.7883941811	0.9999537652	1.151003842
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1.3722203124	0.1057161897	0.9999537652	1.1650509656
1.0490364922	0.7655056393	0.9999537652	1.1651703861
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-1.3756816316	0.324618767	0.9999537652	-1.1003610056
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-1.2492485229	0.5079679933	0.9999537652	-1.0330045512
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-1.1145013669	0.7128146604	0.9999537652	1.528902924
-1.5455376716	0.0689078381	0.9999537652	1.0408824842
1.375774979	0.0236515179	0.9999537652	1.1583227683
-1.0690784395	0.7002528458	0.9999537652	-1.0632210722
1.0161963097	0.9147921241	0.9999537652	-1.0737041693
4.5505976667	0.5557790267	0.9999537652	-1.3091649629
0	0	0	0
-1.2321666424	0.7531198898	0.9999537652	3.0021266318
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6.3130691196	0.4798375324	0.9999537652	-1.1675888632
-1.1131075046	0.760750158	0.9999537652	1.1570205107
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gene_expression_table

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1.3811117964	0.201195657	0.9999537652	-1.2057598588
1.1267368185	0.8331796727	0.9999537652	-3.0819949543
4.5505976667	0.5557790267	0.9999537652	-1.9294790029
0	0	0	6.908559683
1.0380810992	0.8450469696	0.9999537652	1.128168511
1.0421780655	0.898547273	0.9999537652	1.0778269598
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1.2840920884	0.1423998664	0.9999537652	-1.0536972927
-1.3023449467	0.7650510272	0.9999537652	1.4210023469
11.5864583426	0.3448040633	0.9999537652	22.5383525416
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-1.267384496	0.0886053391	0.9999537652	-1.2408505123
2.134585765	0.1895772602	0.9999537652	1.6532738136
0	0	0	2.996475627
22.1075168104	0.2294704866	0.9999537652	2.9985540909
1.2642357763	0.2445884501	0.9999537652	-1.3348312138
1.1310632311	0.6231638158	0.9999537652	-1.0512959964
-1.0741528283	0.8255087862	0.9999537652	-1.0087419526
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-1.2129541886	0.1035138234	0.9999537652	-1.2743037316
-1.2004233957	0.2463642315	0.9999537652	-1.1402840221
-1.1317480949	0.317941875	0.9999537652	-1.2055539496
-2.587194901	0.5006565118	0.9999537652	-1.2587469952
1.0499984748	0.890047509	0.9999537652	1.1503195285
4.5505976667	0.5557790267	0.9999537652	-3.4533081742
-1.0979377978	0.7368350662	0.9999537652	-1.0012516009
-1.4174042178	0.158124906	0.9999537652	1.1783662659
1.3271639342	0.7054760304	0.9999537652	-1.0768314905
1.6078341906	0.3434634415	0.9999537652	-2.3512245222
1.6590470498	0.3449488471	0.9999537652	-1.304203355
1.1803715905	0.1931987383	0.9999537652	1.2859548321
-1.1713292595	0.8400442214	0.9999537652	1.2777403726
-2.1727943578	0.2333624615	0.9999537652	-1.3961350135
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
-1.5875118025	0.7195054915	0.9999537652	1.4527805491
1.2327920787	0.2869515815	0.9999537652	1.4249281136
1.2438594783	0.4591142321	0.9999537652	-1.21395642
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-1.2452657089	0.2060281587	0.9999537652	1.008517653
-1.0434490867	0.8583724218	0.9999537652	1.0036670813
1.0286450495	0.8999889121	0.9999537652	-1.1074016197
-1.2272193196	0.2945943695	0.9999537652	1.01960193
-1.1362180401	0.6651493904	0.9999537652	-1.3109359951
-1.1046564951	0.6076603089	0.9999537652	1.0600874595
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-1.1156222656	0.7371852264	0.9999537652	1.6329466628

gene_expression_table

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1.6104718537	0.13869931	0.9999537652	1.1701719039
-1.0617218639	0.8060529643	0.9999537652	1.0465406692
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1.0868129703	0.6625358094	0.9999537652	-1.0275312004
-1.3145475858	0.505971823	0.9999537652	1.1964580069
-1.0169075041	0.8942007642	0.9999537652	1.1101812288
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1.0611950459	0.755334131	0.9999537652	-1.0810770921
4.7740047566	0.0654749582	0.9999537652	1.6822227324
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-1.1798199945	0.7411459637	0.9999537652	-1.5435055503
3.0602334741	0.3287128565	0.9999537652	16.6921882404
34.4101428749	0.1668302055	0.9999537652	2.1977572987
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6.3075231393	0.4855663346	0.9999537652	-1.1501702336
-1.0405404381	0.9251368905	0.9999537652	-1.2609802176
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15.0880352532	0.2952932902	0.9999537652	0
3.3416364815	0.1499628427	0.9999537652	2.8026883955
-1.2426004229	0.1979303413	0.9999537652	1.1097581076
-2.1299772349	0.2680379039	0.9999537652	8.8761957907
5.0144569961	0.1273718317	0.9999537652	-1.0197861124
64.4037956254	0.1028474157	0.9999537652	-1.1595553882
4.5505976667	0.5557790267	0.9999537652	-5.3589986948
22.1075168104	0.2294964054	0.9999537652	1.0666207935
2.7933974408	0.6948713406	0.9999537652	0
4.5505976667	0.5557790267	0.9999537652	0
2.0885615936	0.5186564193	0.9999537652	8.8639046058
1.2026698536	0.1883299928	0.9999537652	1.1596263765
8.064174035	0.4238463895	0.9999537652	2.2220493756
-1.1252718821	0.7338087055	0.9999537652	-1.5294284081
-1.314797679	0.6945494065	0.9999537652	-2.4566346185
1.643510367	0.5934426812	0.9999537652	18.6336779883
22.1075168104	0.2295064027	0.9999537652	-2.5486515888
1.3449903122	0.4727310305	0.9999537652	-1.2575300799
2.2912132526	0.0863481466	0.9999537652	1.4280854913
-2.5690229276	0.0275845055	0.9999537652	1.0581757898
1.1561298099	0.4594618891	0.9999537652	1.3176576144
-1.5238876418	0.219922476	0.9999537652	-1.8502779685
1.0850113403	0.5852836289	0.9999537652	-1.1363029532
-1.1959441372	0.6778579601	0.9999537652	1.2014543902
-1.634512723	0.15573538	0.9999537652	-1.623448388
-1.2190746751	0.4398547275	0.9999537652	1.1363723895
1.0400230889	0.78302448	0.9999537652	-1.2136329964
1.1890672481	0.1737416104	0.9999537652	1.1989776832
27.3284152947	0.2046641326	0.9999537652	1.3341676396
2.0867996709	0.0536616897	0.9999537652	1.0143682105

gene_expression_table

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-1.5204346711	0.1685758205	0.9999537652	-1.0816512457
-1.0086225336	0.9454264467	0.9999537652	-1.248061277
4.0297652987	0.2233339799	0.9999537652	-1.6203746953
2.7933974408	0.6948713406	0.9999537652	-1.6578228316
1.3786208238	0.3785569584	0.9999537652	1.0414885467
3.5458425332	0.2599220283	0.9999537652	-1.3268884013
0	0	0	-1.1242401582
-7.4805414887	0.00433	0.9999537652	1.5226566128
1.543329787	0.2931995739	0.9999537652	1.0541995306
-1.3685516055	0.7424185057	0.9999537652	-1.5732602273
3.9579785606	0.009576	0.9999537652	-1.1217609558
-1.013887414	0.9667781909	0.9999537652	-1.219812684
1.1124880746	0.6047242813	0.9999537652	-1.4958717391
-1.2194928882	0.1102687733	0.9999537652	1.1563416585
-1.1436175851	0.565637718	0.9999537652	-1.0402675051
1.2533792806	0.2496521796	0.9999537652	-1.0117747809
-1.0314801103	0.9251565668	0.9999537652	1.5539400434
1.3588921917	0.7998708465	0.9999537652	-3.0826861089
-1.0846468307	0.6943718498	0.9999537652	-1.1710879165
-1.1267770838	0.567546349	0.9999537652	1.1210320192
-1.1947641352	0.1595766842	0.9999537652	-1.1875683811
-1.0517525283	0.8931964324	0.9999537652	-1.4800500403
6.3075231393	0.4855434221	0.9999537652	-1.2808959382
1.798150741	0.3208122302	0.9999537652	-1.3473061746
-1.0141273035	0.9393866092	0.9999537652	1.0577806092
1.0349118986	0.9686744453	0.9999537652	-10.0604019451
1.0328743166	0.7998167006	0.9999537652	-1.1270267627
1.448697666	0.3132607351	0.9999537652	1.0391386154
1.0693056355	0.6657084771	0.9999537652	-1.2229503236
-1.066453755	0.8087817707	0.9999537652	-1.2004980257
-1.1732329994	0.7434360732	0.9999537652	-1.2635192949
1.1282390015	0.8381743829	0.9999537652	-1.0530499944
1.2494524772	0.4023406698	0.9999537652	-1.0511706383
1.4052010358	0.4979007365	0.9999537652	1.0263559879
0	0	0	1.4660736959
1.1369014154	0.5510298796	0.9999537652	-1.7082347022
1.004248794	0.9831048067	0.9999537652	-1.3232780297
1.3588576256	0.801333561	0.9999537652	-1.3911859456
3.0602334741	0.3283646902	0.9999537652	1.225766291
-1.6578780139	0.0293951705	0.9999537652	1.0030081543
1.0007212244	0.995152847	0.9999537652	-1.1278473391
-1.0534933443	0.6594171605	0.9999537652	-1.0373683498
1.5444112962	0.4900009618	0.9999537652	-1.937154584
-1.2204596224	0.287426221	0.9999537652	-1.1467661453
0	0	0	4.9527501949
-1.3802230046	0.2198866406	0.9999537652	-1.2758594071
1.1800112458	0.2222136777	0.9999537652	1.2478356974
1.0044600286	0.9866590041	0.9999537652	1.2100862909

gene_expression_table

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1.0774268281	0.8745501458	0.9999537652	-2.3585094137
1.0539822683	0.7347968499	0.9999537652	1.0027323621
-1.0674298248	0.6934955123	0.9999537652	1.2370956292
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1.4125564959	0.2658861148	0.9999537652	1.1247802543
-1.0142202953	0.9060087045	0.9999537652	1.0288953166
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3.0768203874	0.1975714249	0.9999537652	1.430803866
2.7933974408	0.6948713406	0.9999537652	-2.9683711557
0	0	0	14.7271569203
1.7624255387	0.2485580472	0.9999537652	1.4885956851
2.7933974408	0.6948713406	0.9999537652	1.6447327969
4.5505976667	0.5557790267	0.9999537652	6.908559683
-1.624667929	0.0572377131	0.9999537652	1.1351714646
1.1167126147	0.7285233563	0.9999537652	-1.9781707549
1.1010872447	0.6617123439	0.9999537652	-1.1726406249
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-1.4741597973	0.1986069956	0.9999537652	-1.1330519708
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1.9042601795	0.4860487474	0.9999537652	1.1109046993
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1.2092357838	0.2707930716	0.9999537652	-1.0038680276
-1.2399772406	0.6419157246	0.9999537652	-1.1206822297
-1.1105747506	0.819543664	0.9999537652	-1.5534881544
-1.050760015	0.7505836271	0.9999537652	-1.3416287432
0	0	0	2.996475627
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0	0	0	0
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1.1309621929	0.7935518966	0.9999537652	2.2620415671
1.3632564722	0.0883427924	0.9999537652	1.0099167801
-1.2093406112	0.6157336263	0.9999537652	-1.1745635889
2.0057180274	0.3367799306	0.9999537652	-1.6211394957
-1.0101239827	0.9473414413	0.9999537652	1.0314024837
1.0808920899	0.7990051241	0.9999537652	-1.340205331

gene_expression_table

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-1.3707945296	0.3287138139	0.9999537652	-1.4588926513
1.1547555504	0.6485578592	0.9999537652	1.2251321024
-1.2954004139	0.265103961	0.9999537652	-1.235560175
-1.0771708963	0.9336949682	0.9999537652	1.6178683885
-1.0826054966	0.6941613103	0.9999537652	-1.1907002272
1.4278875705	0.2168362539	0.9999537652	1.0336326672
1.3485163287	0.3195688868	0.9999537652	-1.0918387842
1.1197784385	0.5377572468	0.9999537652	1.3232123774
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1.1165478033	0.8009628298	0.9999537652	-1.3958347093
-1.2815515061	0.693910851	0.9999537652	-1.0338518335
-1.3794059984	0.4715813603	0.9999537652	1.397936197
1.0013465097	0.9941381854	0.9999537652	1.4220544204
-1.762709422	0.2480356749	0.9999537652	1.151609159
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1.7746986793	0.5317345774	0.9999537652	1.1670818081
0	0	0	2.996475627
1.4876413039	0.1180594066	0.9999537652	1.6167217615
1.1537490598	0.414228245	0.9999537652	1.1326271949
8.064174035	0.4230822908	0.9999537652	0
0	0	0	2.996475627
-1.1082079634	0.4909291308	0.9999537652	1.1079480482
1.2607334053	0.1503900462	0.9999537652	1.2369525042
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-1.2407940756	0.7394963901	0.9999537652	1.0768907588
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1.0274043788	0.8572208762	0.9999537652	1.0409909572
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1.132483306	0.6859277074	0.9999537652	-1.2593349746
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-1.0350037612	0.895520583	0.9999537652	-1.36884812
1.2390581437	0.2951079932	0.9999537652	1.0360320951
1.0966528316	0.7796804844	0.9999537652	-1.170069719
-1.0854549056	0.5954311189	0.9999537652	1.1283577779
1.2423197598	0.2289392579	0.9999537652	1.6260534691
1.0166980697	0.9264862972	0.9999537652	1.0940871915
1.0257818063	0.9518450434	0.9999537652	-1.3106272376
1.0548459601	0.6802568136	0.9999537652	1.1693797239
0	0	0	0
1.5037044015	0.2051142352	0.9999537652	1.1178065896
2.0885615936	0.518797066	0.9999537652	-3.3853891979
-1.0452744086	0.8077719723	0.9999537652	-1.044331215
18.5983228161	0.2583766021	0.9999537652	1.0203343598
-1.0104631551	0.9794834163	0.9999537652	-1.0658053623
0	0	0	8.9512754559

gene_expression_table

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2.0294079422	0.2451825376	0.9999537652	-1.0225109693
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1.1004912796	0.5992325848	0.9999537652	1.2579034211
1.0799672643	0.6808785732	0.9999537652	1.1699608222
0	0	0	12.7732027325
4.5544554512	0.569131392	0.9999537652	-1.6223462933
-1.6661685285	0.0287119198	0.9999537652	-1.4427483555
-1.1531088649	0.4420758648	0.9999537652	1.3894342228
2.6809644128	0.0341068952	0.9999537652	-1.1032473644
1.0746073568	0.8608106679	0.9999537652	1.303743597
-1.0655087673	0.6015098561	0.9999537652	1.2030600629
-1.3446989983	0.6591269618	0.9999537652	3.0555055251
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1.3309330294	0.5164433806	0.9999537652	1.043939591
4.5505976667	0.5557790267	0.9999537652	-1.7799057205
0	0	0	-1.859280336
4.5505976667	0.5557790267	0.9999537652	0
-1.1631691103	0.4671441117	0.9999537652	1.0505402061
-6.9764533263	0.2593448532	0.9999537652	-9.3613041355
0	0	0	8.8639046058
4.5505976667	0.5557790267	0.9999537652	1.590997316
0	0	0	2.996475627
1.1265982105	0.5421478705	0.9999537652	1.4280025521
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-2.0160710885	0.0353183263	0.9999537652	-1.0157605017
6.3075231393	0.4855204978	0.9999537652	-1.144309199
-1.5875118025	0.7193450002	0.9999537652	-3.2026060843
4.5505976667	0.5557790267	0.9999537652	-5.3583704783
1.2509256148	0.4312690751	0.9999537652	1.0272792754
-1.0064087013	0.9870883774	0.9999537652	1.0245179551
1.7061363611	0.1789216697	0.9999537652	1.5391423279
-1.0379579947	0.810440888	0.9999537652	1.2918323555
-1.4867681804	0.1193185681	0.9999537652	-1.0053902956
2.4568497219	0.1117023542	0.9999537652	5.5152075473
-1.1593805716	0.446115096	0.9999537652	-1.1405917756
2.7933974408	0.6948713406	0.9999537652	0
1.9420462371	0.001995	0.9999537652	1.0803534395
0	0	0	8.8639046058
6.3075231393	0.4854975618	0.9999537652	2.9985540909
1.0417868618	0.8617129038	0.9999537652	1.2152490113
1.0887847388	0.5281571983	0.9999537652	1.0659933659
1.0192651553	0.9025108916	0.9999537652	1.1246350243
-1.1089217961	0.5827326393	0.9999537652	1.3272444605
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1.4291786189	0.4117526825	0.9999537652	1.0942284709
1.5498541366	0.1631715231	0.9999537652	1.1423141742
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1.0652606154	0.6596537803	0.9999537652	1.0439114393

gene_expression_table

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1.1991686279	0.7044214231	0.9999537652	1.1671637511
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1.0685224318	0.7199837631	0.9999537652	-1.0266244299
0	0	0	-5.3608259368
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1.2516839175	0.8280427789	0.9999537652	1.5920996292
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2.1668004892	0.367901064	0.9999537652	1.2415266768
-1.1458640337	0.4954787361	0.9999537652	1.0051154334
-1.2415015851	0.2299812511	0.9999537652	1.2475593172
-1.4789398964	0.2682894628	0.9999537652	1.3774512377
1.5506685089	0.0618684239	0.9999537652	-1.0204024776
1.0744385771	0.5605973839	0.9999537652	1.3416696856
1.0552907781	0.6670060077	0.9999537652	1.2630976334
1.2230661395	0.2842104379	0.9999537652	1.295446323
-1.7127500346	0.1372780796	0.9999537652	1.3341508472
4.0102736869	0.1096386666	0.9999537652	1.3829372939
-1.2711633669	0.3058401175	0.9999537652	1.0117841599
1.4557577282	0.1916362645	0.9999537652	1.1903405418
18.6298281873	0.2553727058	0.9999537652	-2.0711873351
-1.1297167925	0.5970954469	0.9999537652	1.3064385098
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1.4946456017	0.4821253923	0.9999537652	1.5789238278
-1.1437750147	0.6016572077	0.9999537652	-1.413049955
1.056477578	0.7694882132	0.9999537652	1.0841796687
-1.1304205482	0.5963441401	0.9999537652	-1.150996288
62.6505509376	0.103692165	0.9999537652	2.5408539857
1.0337578361	0.8877987527	0.9999537652	-1.0479370285
1.6118933969	0.047463019	0.9999537652	-1.0846800531
1.5614986311	0.299657901	0.9999537652	1.0586805782
-1.2355073246	0.3424270136	0.9999537652	1.1910527014
-1.3088126937	0.4809509356	0.9999537652	-1.1657167669
-1.2592873974	0.1933788344	0.9999537652	1.0424240632
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16.8718544959	0.273791704	0.9999537652	1.0328466942
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1.16869238	0.3343981204	0.9999537652	1.0651517019
1.1666718464	0.6233652523	0.9999537652	1.0876825954
-1.2429397535	0.1865254158	0.9999537652	1.1251392141
-1.7565904216	0.3101139973	0.9999537652	1.4455555239
1.3001100676	0.5447669592	0.9999537652	1.3487781182
-1.0747394431	0.7182856785	0.9999537652	1.2554072967
1.0467462673	0.7431890982	0.9999537652	1.1355191417
-1.0363967531	0.8703711937	0.9999537652	1.082871836
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1.0972497395	0.7349194724	0.9999537652	1.0322038001
0	0	0	10.818785458

gene_expression_table

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-1.0706629432	0.6634078	0.9999537652	-1.0247731042
6.3075231393	0.4854746142	0.9999537652	-1.644923008
-1.0790444073	0.7958185359	0.9999537652	1.0556136998
0	0	0	10.818785458
-1.7876739331	0.1247089462	0.9999537652	-1.1509528927
1.3587238604	0.3404096172	0.9999537652	1.4780545859
-1.1796427531	0.7653407601	0.9999537652	-1.1587803058
-1.1295198141	0.603071559	0.9999537652	1.0766404706
1.1048689607	0.8505313588	0.9999537652	1.2221663107
1.0150539717	0.9384518653	0.9999537652	1.0484235394
-1.0622324628	0.82995295	0.9999537652	1.3945451975
4.5505976667	0.5557790267	0.9999537652	0
1.1158299481	0.9297544265	0.9999537652	-5.3583704783
-1.0128503736	0.9497058067	0.9999537652	1.1173731884
1.1648707746	0.2979450526	0.9999537652	1.5225268256
-1.1905004323	0.3217563702	0.9999537652	-1.0924134472
1.5540529377	0.0279148803	0.9999537652	1.0214143824
-1.0835619942	0.8462909724	0.9999537652	1.3384261804
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1.1309455813	0.6969503953	0.9999537652	-1.3023084422
-1.1512918491	0.4686967453	0.9999537652	1.2736300536
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1.1162834585	0.9273215157	0.9999537652	-1.5836401754
2.7957660672	0.7054927342	0.9999537652	-3.3826461929
-1.3824661695	0.1349791714	0.9999537652	-1.1227668843
-1.0830484303	0.7807021881	0.9999537652	-1.1770282279
-1.0375253331	0.8443322405	0.9999537652	1.218295698
1.745558548	0.0542390908	0.9999537652	1.0154090202
-1.034876915	0.9178545218	0.9999537652	1.6131054446
1.0781948674	0.7137832768	0.9999537652	1.1266282556
1.04354676	0.8863017949	0.9999537652	-1.0745724722
-1.1782938534	0.4960141001	0.9999537652	-1.1348631108
1.1323539498	0.5147386672	0.9999537652	-1.1405072718
1.3576258306	0.5361849952	0.9999537652	1.7383233151
1.5221533183	0.4489640482	0.9999537652	1.1188264007
-1.0717148199	0.6391404241	0.9999537652	-1.1478648967
1.209185672	0.3515169797	0.9999537652	1.3349795879
1.4213868285	0.008038	0.9999537652	1.3883810677
1.0944874443	0.6923275418	0.9999537652	1.4182092655
-1.2060533122	0.2015882754	0.9999537652	1.1293585279
1.2509474775	0.2403779911	0.9999537652	1.066375584
-1.0018516575	0.9932470045	0.9999537652	1.7570094758
-1.6715479992	0.4280290348	0.9999537652	-1.0386110167
-1.2359990247	0.7441983326	0.9999537652	1.3961512712
2.937871377	0.1850196146	0.9999537652	-7.2920271422
1.0709201901	0.5905464157	0.9999537652	1.420401534

gene_expression_table

0	0	0	8.8639046058
-1.338866394	0.3029460418	0.9999537652	1.046744
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1.0558829496	0.820916409	0.9999537652	-1.3381489201
-1.229329195	0.2522684767	0.9999537652	-1.4093158561
-1.4311207211	0.2770849861	0.9999537652	1.5596372938
-1.3820084251	0.4313420627	0.9999537652	-1.2511030064
2.8173722589	0.3577970311	0.9999537652	-2.1857541833
1.0802249044	0.727447586	0.9999537652	-1.0763868485
1.1863520868	0.7087842864	0.9999537652	-1.4509645408
1.081122909	0.5379086846	0.9999537652	-1.0198725621
-1.0481861033	0.8345290903	0.9999537652	-1.119814806
-2.3806508789	0.009308	0.9999537652	-1.7856288627
-1.2817155393	0.4040066693	0.9999537652	1.0422816754
1.0854457506	0.492498634	0.9999537652	1.2032809525
1.0251691845	0.9018014232	0.9999537652	-1.0212221562
2.2773894756	0.2153016587	0.9999537652	-1.5790810514
1.1877419666	0.5848380683	0.9999537652	1.5767164782
4.6455089981	0.0683620362	0.9999537652	-1.9880884458
4.5505976667	0.5557790267	0.9999537652	2.2924151284
-1.1546110864	0.3900088611	0.9999537652	-1.1776300108
2.1327820026	0.1200348994	0.9999537652	-1.4023913842
1.4349404381	0.1376994937	0.9999537652	-1.3961347544
-1.8643763152	0.3172154085	0.9999537652	2.8690209402
-1.12188679	0.7748143959	0.9999537652	-1.4032646471
-1.1896169234	0.4632072937	0.9999537652	-1.1036267434
-1.8300986908	0.0295515815	0.9999537652	1.1213854033
-1.0312044602	0.9596494834	0.9999537652	-1.4834735767
1.1448177787	0.6335810666	0.9999537652	-1.103850241
-1.3148677635	0.1795795964	0.9999537652	1.1138600596
-1.6048757093	0.4641308228	0.9999537652	1.0396888355
-1.1580927871	0.3846371341	0.9999537652	1.0801528659
2.4666232931	0.1125361989	0.9999537652	-1.0757422118
-1.3321793584	0.5610167475	0.9999537652	1.2807032682
-1.0026391872	0.9930050146	0.9999537652	-1.2204291542
1.0512601692	0.6973919727	0.9999537652	-1.0949041184
1.2565162416	0.5438276699	0.9999537652	1.6450139622
0	0	0	24.4899985757
-1.0733599254	0.7084793963	0.9999537652	1.0215576509
-1.1741964346	0.7426649952	0.9999537652	-1.1556892707
1.4537616364	0.2586164218	0.9999537652	1.1129507202
-1.1157067995	0.3432303171	0.9999537652	1.0544170741
-1.0797696345	0.5396684314	0.9999537652	-1.2168962231
-1.6484285107	0.0975063659	0.9999537652	1.0084493247
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.9985540909
1.1846865074	0.4912512751	0.9999537652	1.3346182716
-1.6388132474	0.0848115375	0.9999537652	-1.440812958
-1.8448851181	0.178493205	0.9999537652	-1.4975431842

gene_expression_table

1.0209353182	0.9024932957	0.9999537652	-1.0677626705
-1.3390154077	0.0980515113	0.9999537652	-1.3305629498
1.2126112857	0.0989912877	0.9999537652	1.0984966068
1.2783179019	0.2827663672	0.9999537652	-1.1614810519
-1.1711631892	0.8483989027	0.9999537652	-1.4612021112
0	0	0	9.7116702472
0	0	0	2.996475627
1.1404558615	0.3429807867	0.9999537652	1.1142776485
1.1169155339	0.488606985	0.9999537652	-1.1106993851
-1.4796889536	0.2264786651	0.9999537652	-1.6741145203
1.0267652648	0.8421715857	0.9999537652	-1.0306931434
-1.1024469748	0.4062594339	0.9999537652	1.0424777432
1.5086084868	0.0934143043	0.9999537652	-1.1080454004
1.1878746775	0.2602436572	0.9999537652	-1.1508122759
1.2821370521	0.2908481204	0.9999537652	-1.0082575728
-2.0008873798	0.4500303958	0.9999537652	2.0652983605
1.1803952659	0.2679343967	0.9999537652	-1.2118892371
1.4170626427	0.3518691427	0.9999537652	-1.1853570569
1.0512003843	0.8055335044	0.9999537652	1.1774011007
-1.6477115577	0.0213987352	0.9999537652	-1.1319145048
-4.8095156671	0.2070202161	0.9999537652	-2.0161248892
1.285893423	0.4443181069	0.9999537652	1.2321043478
25.6372777234	0.2064852657	0.9999537652	1.0276899286
1.5682964138	0.3323734601	0.9999537652	1.0746656978
-1.5432722588	0.1414819278	0.9999537652	-1.146838775
1.0892812652	0.6385055809	0.9999537652	-1.3366127715
1.0934204149	0.5200798167	0.9999537652	-1.026803823
-1.1808999578	0.3792454212	0.9999537652	-1.2147492053
-1.0180216044	0.9118720303	0.9999537652	-1.1329786063
-1.1055798886	0.6052894442	0.9999537652	1.0428533419
16.8718544959	0.2737628052	0.9999537652	1.9345442849
-1.3594371598	0.2798749983	0.9999537652	-1.2331972257
1.5185950608	0.0641564166	0.9999537652	-1.0949068645
-1.19568794	0.3859153684	0.9999537652	-1.2008199468
-1.1693119757	0.8275585751	0.9999537652	1.9684343355
1.1268458263	0.4237910281	0.9999537652	-1.201390655
-1.0095897015	0.9888202879	0.9999537652	-1.6589722521
-1.0278408125	0.9199837187	0.9999537652	1.0176587704
-1.3793873385	0.1587678539	0.9999537652	-1.2159132428
2.3335098933	0.4417206775	0.9999537652	1.6652336982
1.1757625339	0.4751544317	0.9999537652	1.0485705888
1.0729136782	0.9152272869	0.9999537652	-1.4136515635
-1.2940180539	0.3632567577	0.9999537652	1.1423389803
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1.063316061	0.8482216421	0.9999537652	-1.2529808255
-1.0956944243	0.6631790322	0.9999537652	1.144403713
1.2555709875	0.4837661996	0.9999537652	-1.1078295401
6.3075231393	0.485451655	0.9999537652	-5.3589986948
1.0236618924	0.8667492069	0.9999537652	1.0435443979

gene_expression_table

2.0354520887	0.4477839505	0.9999537652	-1.4741963843
-1.4954848333	0.3220237192	0.9999537652	-1.4080908716
-1.2947942833	0.4876979208	0.9999537652	-1.1796174106
1.1844825577	0.7200917106	0.9999537652	-1.0673606747
1.4740649528	0.2400143728	0.9999537652	-1.1800734146
-1.1266715125	0.5004467097	0.9999537652	1.1720587512
-1.5774890195	0.3221730134	0.9999537652	-1.0839550431
-1.2771433826	0.2857400526	0.9999537652	-1.1327104837
1.0586498351	0.8053405735	0.9999537652	1.0501301114
1.3614856847	0.1297233268	0.9999537652	1.346270077
-1.1751153768	0.2857504191	0.9999537652	1.0806789664
1.8398140613	0.1602465916	0.9999537652	-1.6800294987
-1.1614465172	0.2807127974	0.9999537652	-1.1871333144
-1.0118448434	0.9747685652	0.9999537652	-1.4235410716
-1.5305812311	0.5675869828	0.9999537652	-1.1248044011
1.0894712817	0.5860976452	0.9999537652	1.0588171768
-1.0851687587	0.6866542388	0.9999537652	-1.0414462143
1.0525931057	0.7825188426	0.9999537652	1.0561233115
1.1148751653	0.6499725722	0.9999537652	1.3845512285
-1.0840217463	0.7015254254	0.9999537652	1.044661462
-1.0666211761	0.8838656895	0.9999537652	-1.3466975077
-1.2168919617	0.5346917371	0.9999537652	1.1095080702
-1.0202735182	0.884604801	0.9999537652	-1.0187378039
1.1408589403	0.7384613792	0.9999537652	-1.1723473927
-1.3107841951	0.1542406985	0.9999537652	-1.104755264
-1.0427069939	0.838677402	0.9999537652	1.1534174888
1.1614433121	0.3640398309	0.9999537652	-1.1456664312
1.0899709362	0.7207030753	0.9999537652	-1.0503446426
-1.0400531458	0.8012921758	0.9999537652	-1.2164433954
-1.0758055436	0.8083040755	0.9999537652	-1.208198232
4.517455539	0.0856145041	0.9999537652	-1.1533365725
0	0	0	2.9988886918
2.7933974408	0.6948713406	0.9999537652	0
4.5505976667	0.5557790267	0.9999537652	8.8639046058
1.1033573704	0.6527281908	0.9999537652	1.1387938929
4.5505976667	0.5557790267	0.9999537652	-1.123982892
16.8433158146	0.2735409335	0.9999537652	-1.3095105362
0	0	0	2.996475627
-1.2772694893	0.4578141867	0.9999537652	1.0662961519
-1.138183167	0.2560100613	0.9999537652	-1.0266970013
-1.1190894018	0.5289090516	0.9999537652	-1.0901198025
-1.9430018564	0.4087251328	0.9999537652	-1.7195161403
1.4745789114	0.0939880414	0.9999537652	-1.1232796119
1.0055567739	0.9749202939	0.9999537652	-1.3455722467
1.0424767751	0.8581046647	0.9999537652	-1.0292777891
-1.0225224938	0.916925319	0.9999537652	1.0296299222
-1.2000893308	0.6151023203	0.9999537652	1.1151943287
1.1923737832	0.8182828534	0.9999537652	-1.1923833604
0	0	0	-1.3598304575

gene_expression_table

-1.1073785092	0.6543001307	0.9999537652	-1.1058459266
0	0	0	0
6.3075231393	0.4854286841	0.9999537652	0
-1.1611015106	0.6273847581	0.9999537652	-1.371131225
-1.3036560105	0.2257855002	0.9999537652	-1.2496770151
1.0705253491	0.7088324696	0.9999537652	1.3539301635
-1.1427689666	0.4837608878	0.9999537652	-1.0514115431
-1.3894979293	0.0496627431	0.9999537652	-1.0318761021
-1.2278711531	0.6688413342	0.9999537652	1.9055543429
-1.3381928736	0.4309516453	0.9999537652	-1.2369910878
-1.2682216478	0.2792008333	0.9999537652	-1.1226690661
2.4905122517	0.0478835288	0.9999537652	1.528295012
34.3811030879	0.1695019447	0.9999537652	1.2594537582
1.2164420184	0.8053222086	0.9999537652	-4.1152258145
1.124746803	0.8556409972	0.9999537652	1.2803733205
11.5766527773	0.3453990803	0.9999537652	3.7052803395
1.1177441048	0.5172746255	0.9999537652	-1.0015936301
1.0236878871	0.8958923763	0.9999537652	1.0722987225
-1.4375831168	0.3579012916	0.9999537652	-1.1243689986
-1.1860795505	0.4719125662	0.9999537652	-1.0330433139
3.9744797554	0.2836205177	0.9999537652	-1.7268642166
-1.0355492915	0.9338307841	0.9999537652	1.6088862186
15.0880352532	0.2950942573	0.9999537652	0
1.4817259234	0.1642098823	0.9999537652	-1.0376791732
1.3571423233	0.512346602	0.9999537652	1.640937024
1.180297178	0.6635480006	0.9999537652	-1.0946237578
-1.4286094458	0.2443124005	0.9999537652	-1.011994059
-1.3893577805	0.2415178869	0.9999537652	1.1658742097
-1.2035404978	0.5419977471	0.9999537652	-1.0635714687
-1.095292568	0.4860024217	0.9999537652	1.1222777452
-1.3605514786	0.1864663462	0.9999537652	1.3116128299
-1.0626175961	0.6743609828	0.9999537652	1.0398862079
0	0	0	-1.3593668272
1.149120046	0.4510631356	0.9999537652	-1.0975474177
-1.2704982263	0.1752926778	0.9999537652	1.3251084227
0	0	0	6.908559683
-4.8135938501	0.1785914488	0.9999537652	2.996475627
-1.1323079957	0.5214140509	0.9999537652	-1.0084975503
-3.2699928362	0.1576323278	0.9999537652	1.2694869116
-1.1256611836	0.6992458483	0.9999537652	-1.3226887462
9.8291821523	0.3810402025	0.9999537652	-2.2391686371
-1.3567700241	0.473666366	0.9999537652	-1.3886093898
-1.1527571892	0.5558245207	0.9999537652	1.3395347413
2.7933974408	0.6948713406	0.9999537652	2.996475627
4.5505976667	0.5557790267	0.9999537652	8.8639046058
-1.5941542392	0.0427012111	0.9999537652	-1.087340296
-1.0316109055	0.8817592361	0.9999537652	1.0955409103
1.1093756627	0.5468701266	0.9999537652	1.1673522149
1.1012619464	0.6696795862	0.9999537652	1.247117995

gene_expression_table

1.2905235246	0.7076099484	0.9999537652	-1.2144502384
1.6025907098	0.1040205866	0.9999537652	1.0023957238
1.2589114534	0.3234820826	0.9999537652	1.4813495611
-1.0964929497	0.7502190531	0.9999537652	-1.0536964612
2.7933974408	0.6948713406	0.9999537652	-1.14351692
0	0	0	4.9527501949
1.0073836995	0.9696680003	0.9999537652	-1.0639745363
1.1492445044	0.2962706452	0.9999537652	1.1594244152
4.5505976667	0.5557790267	0.9999537652	2.2942711679
-1.0439086777	0.7695204926	0.9999537652	1.004009655
1.1529146634	0.5295431579	0.9999537652	-1.0820034817
-1.0944022099	0.7299593215	0.9999537652	1.0602051576
1.1756050889	0.2743302296	0.9999537652	1.1513338266
0	0	0	0
0	0	0	-1.1250196696
1.124070454	0.906249133	0.9999537652	1.2132629184
1.0877342563	0.6628109982	0.9999537652	1.1046539493
1.7747100951	0.5596991323	0.9999537652	34.3398315517
1.2147901705	0.1277642646	0.9999537652	1.1334330353
2.7933974408	0.6948713406	0.9999537652	0
16.8581089812	0.2738184187	0.9999537652	1.5894490894
-1.7140366854	0.003483	0.9999537652	-1.1395921295
-1.0889509227	0.6923877787	0.9999537652	1.1527555071
-1.0993038336	0.8296585186	0.9999537652	1.0162973402
-1.1668466258	0.1699008283	0.9999537652	1.0324186039
-1.0216541814	0.9525307393	0.9999537652	-1.1047225461
1.2594687841	0.1415731094	0.9999537652	-1.1082165781
0	0	0	-2.0460754901
-1.1038659669	0.500230957	0.9999537652	1.0033619365
1.007459388	0.9856189388	0.9999537652	-1.1913063346
1.2338638161	0.4980471597	0.9999537652	1.2109312597
2.7933974408	0.6948713406	0.9999537652	0
-1.1087694416	0.7962939824	0.9999537652	1.4990238903
2.006385497	0.0827066108	0.9999537652	1.1119771722
1.4668223311	0.0369563131	0.9999537652	-1.0118582916
1.141683967	0.5250382192	0.9999537652	1.1044345067
-1.5875118025	0.7191851908	0.9999537652	0
-1.7126738456	0.5348532116	0.9999537652	-1.9220666281
-1.2521293745	0.1831818193	0.9999537652	-1.0134922782
2.0354520887	0.4478716725	0.9999537652	1.4539570206
4.5505976667	0.5557790267	0.9999537652	-1.2784318804
1.4677303914	0.6422486858	0.9999537652	1.1165417891
-1.7150903924	0.5020348074	0.9999537652	-1.3741916786
1.2508079663	0.1466628114	0.9999537652	1.4236733801
1.2416511195	0.3610062985	0.9999537652	-1.1162347094
1.2029614	0.609061269	0.9999537652	-1.4860455187
-3.8978654675	0.0774219164	0.9999537652	1.1738496605
1.2680916436	0.1631572271	0.9999537652	1.2362264076
1.3661459224	0.0901914307	0.9999537652	-1.1900631644

gene_expression_table

1.26726803	0.632118024	0.9999537652	1.1825900946
1.0310457355	0.8680004628	0.9999537652	1.5392411207
1.2516860341	0.3525443409	0.9999537652	1.2617972731
1.7099471466	0.2534456358	0.9999537652	1.2941181437
1.2982841569	0.628969465	0.9999537652	-1.5836391682
1.5238592065	0.3266642932	0.9999537652	1.1199539848
1.1112880642	0.7359754549	0.9999537652	-1.2198910671
-1.2421080709	0.3379924788	0.9999537652	1.3037080462
-1.1233792384	0.7039295413	0.9999537652	-1.062454328
-1.0676775145	0.7434664942	0.9999537652	1.4330129612
-1.1464182068	0.5671317924	0.9999537652	1.1973787615
1.0297943064	0.8876284578	0.9999537652	1.6862654468
3.5302237986	0.0121905177	0.9999537652	-1.1330944388
-1.0772256662	0.8716325634	0.9999537652	1.0137498297
-1.1075691371	0.7576132878	0.9999537652	1.1569523817
-1.0159785761	0.964462702	0.9999537652	1.5766577618
-1.328502012	0.3365850117	0.9999537652	1.2248634774
1.0884461353	0.7726432075	0.9999537652	-1.2361179311
1.2496769766	0.4952852787	0.9999537652	1.1168570711
0	0	0	2.996475627
-1.0189614409	0.9618229175	0.9999537652	1.3452097851
1.6018473574	0.693917909	0.9999537652	8.8639046058
1.3952070747	0.6767646104	0.9999537652	2.0089640792
-1.16505023	0.6108144604	0.9999537652	-1.014166157
2.7933974408	0.6948713406	0.9999537652	0
-1.181565353	0.488518357	0.9999537652	1.2863765844
1.0114183383	0.9633928542	0.9999537652	-1.0603336318
1.2396186463	0.2701981128	0.9999537652	-1.0167170124
1.194447843	0.2734036408	0.9999537652	1.266549411
1.0538310802	0.6446619435	0.9999537652	1.1177040158
-1.5200323825	0.1349310678	0.9999537652	1.1373076228
-1.0929237384	0.6672455936	0.9999537652	-1.1521827216
-1.0186716739	0.9019037425	0.9999537652	1.2278441686
9.8205505243	0.3808440684	0.9999537652	1.7769408362
1.0985653498	0.4301505877	0.9999537652	1.026693314
-1.9370249802	0.3050917988	0.9999537652	-1.1368943321
-1.3184660385	0.2700227623	0.9999537652	1.1329284071
1.0809755048	0.5490760881	0.9999537652	1.3359047412
1.0623709753	0.7626878612	0.9999537652	1.2378963413
1.0336048792	0.8720139777	0.9999537652	1.2352826647
-1.0797577441	0.5842578716	0.9999537652	1.2374267913
1.0707806375	0.6205358691	0.9999537652	1.5370034658
-1.1516975413	0.2717871967	0.9999537652	1.0391274319
1.0097571943	0.9447296052	0.9999537652	1.5122308347
0	0	0	4.9527501949
-1.2839015029	0.1805765691	0.9999537652	-1.1427614548
1.0182947114	0.939739388	0.9999537652	1.0387785861
1.6869826229	0.0143497632	0.9999537652	1.173749672
1.1168637133	0.6259076265	0.9999537652	1.0815119824

gene_expression_table

0	0	0	36.3443360834
1.3990463717	0.0897346325	0.9999537652	1.0126625903
1.1369777985	0.5987380087	0.9999537652	1.1374388297
1.3845416171	0.4033059594	0.9999537652	1.0315740338
1.070345413	0.6077962166	0.9999537652	1.3422463993
-1.0421333985	0.7939308726	0.9999537652	1.253430513
-1.026203725	0.885839766	0.9999537652	1.2459959983
-1.0472308498	0.8153839882	0.9999537652	1.0829484399
-2.0879819015	0.1714065322	0.9999537652	-1.5174351876
-1.2143283383	0.538169455	0.9999537652	-1.4505459521
1.0100880939	0.9490736331	0.9999537652	1.2933245531
-1.3970752264	0.4291431202	0.9999537652	-1.3216462151
18.5983228161	0.2583489815	0.9999537652	4.9178905533
1.1093446212	0.5429038998	0.9999537652	1.2446208157
1.017707045	0.9171895947	0.9999537652	-1.198899296
-1.4194804336	0.3044234307	0.9999537652	1.8974404564
0	0	0	1.7042814026
-4.3884604323	0.0126324025	0.9999537652	-1.181329099
-3.140785573	0.001264	0.9999537652	-1.444469972
1.04912148	0.7961039067	0.9999537652	1.3016380803
1.1270986227	0.8600806696	0.9999537652	-1.2785952114
-1.166524873	0.860779544	0.9999537652	1.576587674
1.3227096637	0.400671865	0.9999537652	-1.5735506893
-1.4288788366	0.5987652662	0.9999537652	-2.2203993938
1.0012832251	0.9942563745	0.9999537652	1.2829118309
1.0283302552	0.879513622	0.9999537652	1.2780404681
1.1188037212	0.6282817788	0.9999537652	-1.027034897
-1.047199372	0.7719144965	0.9999537652	1.2284220271
0	0	0	-1.1248877899
0	0	0	2.996475627
-1.1429576332	0.4380556582	0.9999537652	1.0096768151
1.1302581055	0.6202606752	0.9999537652	1.2488862235
-1.0091741698	0.949578719	0.9999537652	1.3181271265
-1.1954252144	0.4940107287	0.9999537652	-1.0565164767
-1.035202297	0.8128492469	0.9999537652	1.1231014417
-1.0820310994	0.6640628498	0.9999537652	-1.3459739525
-1.2237499106	0.7441372579	0.9999537652	2.3524535037
4.5505976667	0.5557790267	0.9999537652	-3.3841961096
-1.4498385823	0.1105566022	0.9999537652	-1.1619056393
1.0058544808	0.9636617449	0.9999537652	1.1582769028
1.0474354718	0.742956304	0.9999537652	1.3200009309
-1.0721992114	0.7659324767	0.9999537652	-1.0344306034
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	8.8639046058
-1.075820225	0.6999965317	0.9999537652	1.0495168842
1.2762043335	0.1271720537	0.9999537652	1.2978543044
-1.0380856761	0.7799799112	0.9999537652	1.0992341518
2.7933974408	0.6948713406	0.9999537652	2.2926838869
1.0900886499	0.8895462733	0.9999537652	1.1127752407

gene_expression_table

-2.0411599594	0.2377865367	0.9999537652	-1.1307727859
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5.0059881963	0.1255547862	0.9999537652	12.801795161
1.2694556548	0.3949727424	0.9999537652	1.4702705073
15.0880352532	0.2948920595	0.9999537652	-1.5255688471
6.3075231393	0.4854057018	0.9999537652	-1.3601489831
1.7423697864	0.1004776416	0.9999537652	1.3010908179
1.0327732145	0.8872965433	0.9999537652	1.0340505057
-1.0597204291	0.7505854911	0.9999537652	1.4994133365
8.0712632467	0.4228920926	0.9999537652	3.8090921162
3.7984577094	0.2220478677	0.9999537652	2.0131819221
1.0222993647	0.8935020036	0.9999537652	-1.0281449369
-1.0647587572	0.8154719438	0.9999537652	-1.0389380136
4.5505976667	0.5557790267	0.9999537652	-1.5100069453
2.8162276504	0.3669573302	0.9999537652	-1.1451545078
-1.2605653319	0.2427719424	0.9999537652	-1.0718841671
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-1.0823609808	0.5743824003	0.9999537652	-1.0446859488
9.8205505243	0.3809193616	0.9999537652	2.996475627
1.1397146838	0.6935032981	0.9999537652	1.5864914288
-1.149802149	0.343812271	0.9999537652	1.0067476133
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1.5325809924	0.2261985587	0.9999537652	1.0333966667
1.044127911	0.7646311458	0.9999537652	1.205305723
-1.2159646883	0.4730642701	0.9999537652	-1.1563072121
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1.0925853437	0.7457817768	0.9999537652	-1.0736265352
18.6140621435	0.2552147836	0.9999537652	1.2603257066
6.3075231393	0.4853827079	0.9999537652	-1.4683576122
1.1769892637	0.4082943246	0.9999537652	1.0281442147
1.3896688665	0.0785759688	0.9999537652	1.5067871232
4.5544554512	0.5691293981	0.9999537652	-14.149476906
1.2079525956	0.4204395495	0.9999537652	-1.1108688054
1.4643107975	0.586147239	0.9999537652	2.767147042
-1.0296811672	0.824512758	0.9999537652	-1.2185767031
4.7592049098	0.1554062325	0.9999537652	-1.0728752675
1.312793133	0.5878123954	0.9999537652	1.851411927
1.0193705161	0.9477470752	0.9999537652	1.4358215607
1.143668494	0.3131867028	0.9999537652	1.0820291482
-1.3565263824	0.6051338741	0.9999537652	-1.1987244464
-1.1638388551	0.2395762942	0.9999537652	-1.0312762123
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1.3118119729	0.1785752981	0.9999537652	-1.0412639393
-1.0929209539	0.5829118826	0.9999537652	-1.0169992171
-1.2040857698	0.5455875109	0.9999537652	1.2014730137

gene_expression_table

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1.0537889709	0.8103712791	0.9999537652	1.2075530448
17.3472938331	0.2975749715	0.9999537652	1.9416545697
1.0814547753	0.6892352385	0.9999537652	1.164383578
1.1445045483	0.5861189161	0.9999537652	-1.2184354277
27.7226916631	0.2128547262	0.9999537652	-1.582751021
0	0	0	-4.5547427608
1.1364349707	0.3859972904	0.9999537652	-1.0092656345
0	0	0	0
1.1180519408	0.6268002499	0.9999537652	-1.0913554344
4.5505976667	0.5557790267	0.9999537652	-3.2022480197
11.5766527773	0.3453898319	0.9999537652	-1.2898805803
16.8433158146	0.2735276478	0.9999537652	8.8639046058
3.0590680122	0.3355942233	0.9999537652	12.7820459093
1.1949607999	0.4285244635	0.9999537652	-1.0349120057
-1.2453533991	0.1431774087	0.9999537652	-1.023401472
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1.8447991669	0.5967896241	0.9999537652	-2.9707609366
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-1.1007256046	0.8228118355	0.9999537652	1.3811522028
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0	0	0	-2.1292399642
-6.9736190158	0.2250321147	0.9999537652	-3.1664209003
1.0142654541	0.9685053513	0.9999537652	1.0565165854
-1.0600956368	0.9084150813	0.9999537652	1.181478472
2.7957660672	0.7054951009	0.9999537652	0
-1.2192482365	0.2320886472	0.9999537652	-1.0212113906
0	0	0	1.0667457716
-1.0835637166	0.6958731352	0.9999537652	1.2070098446
1.1071476644	0.5655334153	0.9999537652	1.101474769
1.0043259449	0.9818605619	0.9999537652	1.0098069768
1.7036365097	0.2379812747	0.9999537652	1.5744428501
-1.1298056631	0.6416280193	0.9999537652	1.1274721957
1.464469179	0.2485461267	0.9999537652	-1.1036344046
1.0894889315	0.8408469235	0.9999537652	1.0307841522
2.7933974408	0.6948713406	0.9999537652	0
-1.0306164867	0.9232654324	0.9999537652	-1.1793380639
-1.0979527679	0.6282465591	0.9999537652	1.2861463346
1.2500688203	0.4447039177	0.9999537652	1.0912702922
1.1465309051	0.2744730672	0.9999537652	1.0946903038
-1.5875118025	0.7196340801	0.9999537652	1.5217746204
13.3324809638	0.3193939983	0.9999537652	-9.7542681481
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0	0	0	6.9133480437
1.343460578	0.2052263881	0.9999537652	-1.129135943

gene_expression_table

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0	0	0	6.908559683
1.5203463218	0.3459694307	0.9999537652	1.1823781632
1.5788290836	0.3215338341	0.9999537652	-1.7454312517
0	0	0	6.914120153
-1.0482281847	0.6865803834	0.9999537652	1.1464280239
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-1.0209798996	0.8850227394	0.9999537652	1.0311852217
-1.1583321592	0.5392011826	0.9999537652	-1.386949342
1.1131573272	0.8148101776	0.9999537652	-1.2483010586
1.496328291	0.0743668191	0.9999537652	-1.1091387947
-2.6929317699	0.0112540573	0.9999537652	1.1319496294
1.1456471223	0.4867548765	0.9999537652	-1.0886608589
-2.1263939687	0.204551414	0.9999537652	-1.3804393286
1.1077115801	0.6003899004	0.9999537652	-1.0736581053
2.237850947	0.0886800987	0.9999537652	1.564098443
-1.0196623059	0.8917567879	0.9999537652	1.5107441105
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1.2604470262	0.3031533674	0.9999537652	1.3406360957
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-1.0801223135	0.814623867	0.9999537652	1.2176057957
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-1.0789960003	0.7197221612	0.9999537652	1.038129561
-1.022384353	0.961989132	0.9999537652	-1.0024134507
-1.5567356743	0.4801670548	0.9999537652	-2.3154224155
1.0134901939	0.9262237882	0.9999537652	-1.1395113775
1.1212145381	0.9050256353	0.9999537652	-1.0737434018
4.5505976667	0.5557790267	0.9999537652	0
-1.4166339314	0.0849724764	0.9999537652	1.0236954255
1.1112993539	0.5472571239	0.9999537652	1.0304297882
-1.1453231638	0.4050469004	0.9999537652	-1.7470191562
1.4318390876	0.4198837708	0.9999537652	1.448689926
3.3030568913	0.2925089316	0.9999537652	-2.2485377414
1.7591019097	0.2579019412	0.9999537652	1.1303443867
-1.0222492834	0.9518980533	0.9999537652	-1.0171224643
1.1639684027	0.8286960727	0.9999537652	1.366248638
13.355081045	0.3179414131	0.9999537652	-3.2847784345
1.1639417098	0.2671624503	0.9999537652	-1.0083642169
-1.1141622118	0.5109920465	0.9999537652	-1.1646942619
-4.5432040502	0.0756781999	0.9999537652	1.3313172299
3.0628221549	0.312101358	0.9999537652	1.5870799612
1.5016491002	0.2721995741	0.9999537652	-1.1198849425
1.6692870837	0.1423457017	0.9999537652	-1.0606229546
-1.5844901692	0.1002629122	0.9999537652	-1.6056492038
6.3075231393	0.4853597026	0.9999537652	1.2431398771
-1.5547694709	0.4954473292	0.9999537652	-1.1279694059
1.1800404199	0.4974495111	0.9999537652	-1.1253404591
-1.2852554392	0.1075441737	0.9999537652	-1.2096082349

gene_expression_table

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-1.1347286286	0.4161906141	0.9999537652	1.3453385346
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1.3024576124	0.1407146023	0.9999537652	1.1651630734
-1.6650408433	0.3908878953	0.9999537652	-1.4137706238
1.6024984014	0.6863056391	0.9999537652	-1.3092040421
-1.6261259292	0.5848320959	0.9999537652	3.1670230084
-1.3746425094	0.4007011966	0.9999537652	-8.0515593985
-1.1188315859	0.6842166205	0.9999537652	-1.2144594074
0	0	0	4.9527501949
-1.1750986341	0.4841420198	0.9999537652	-1.2306339465
2.1610197243	0.2916162694	0.9999537652	1.3312219541
-2.5905607418	0.0973772776	0.9999537652	43.2296245206
1.270421642	0.102669523	0.9999537652	-1.3189983627
1.386423469	0.1103996374	0.9999537652	1.1609931314
1.0041291717	0.9884729546	0.9999537652	1.0284012339
20.3709255077	0.240489183	0.9999537652	14.7475552392
1.4093534306	0.3580348173	0.9999537652	-1.5693334717
1.1722488518	0.3536499462	0.9999537652	-1.6454014177
-1.2009907539	0.5731856972	0.9999537652	1.3816017983
-1.0085126764	0.9674741655	0.9999537652	1.1390330146
1.1976693016	0.2878494987	0.9999537652	-1.1142365549
8.4228148819	0.0442145594	0.9999537652	-2.6201438026
-1.4756243598	0.5433632425	0.9999537652	1.080343006
1.0625902878	0.8863953164	0.9999537652	-1.4535543675
-3.8981079135	0.1326283676	0.9999537652	-1.0941138562
1.1914602592	0.3627065558	0.9999537652	-1.1336367724
1.8447991669	0.5967824527	0.9999537652	-1.0581652744
1.229529627	0.1625618535	0.9999537652	1.0358171438
13.3324809638	0.3193853126	0.9999537652	4.9527501949
0	0	0	0
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-1.1955728427	0.3572090417	0.9999537652	1.4100211527
6.3075231393	0.4853366858	0.9999537652	-1.4680135518
-1.049396749	0.8455164725	0.9999537652	-1.6460911629
1.4797261816	0.4834765546	0.9999537652	1.0132811597
-1.2923745811	0.1893206296	0.9999537652	-1.0319453723
1.0188399558	0.9623852445	0.9999537652	1.2633273242
1.0471365914	0.8092486596	0.9999537652	1.3899103597
1.2672497572	0.4238195182	0.9999537652	-1.0103219526
1.6220063926	0.2336785013	0.9999537652	1.3628564202
-1.2414433923	0.7398211739	0.9999537652	1.1346215583
-1.1567926223	0.4880813222	0.9999537652	1.3328463923
1.322335606	0.3730068283	0.9999537652	1.2417108583
1.2038538633	0.1875600249	0.9999537652	1.273542703
1.4224320209	0.417595321	0.9999537652	-1.4180425176
-1.0027836106	0.9879458144	0.9999537652	1.8492853581
-1.3981186001	0.0789106088	0.9999537652	1.1432867529

gene_expression_table

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1.1485389377	0.4477027142	0.9999537652	1.173531842
1.1955604706	0.464322743	0.9999537652	1.0742605181
1.221805472	0.1667195927	0.9999537652	1.3859930266
1.0864708467	0.5840330441	0.9999537652	-1.1043921972
-1.0029694647	0.99247297	0.9999537652	1.1467698557
-1.205655428	0.553875664	0.9999537652	1.630299082
-1.5225759426	0.2877456912	0.9999537652	1.0408043491
1.0063316484	0.9742185617	0.9999537652	1.1618705071
-1.1294640322	0.7719368238	0.9999537652	1.5265536804
1.9158642511	0.1390056266	0.9999537652	2.0229936606
-1.1110929768	0.4721393467	0.9999537652	1.0436023954
0	0	0	2.9985540909
1.3661434872	0.2282654102	0.9999537652	1.0880269019
1.338277756	0.1431578718	0.9999537652	-1.0500557846
-1.5875118025	0.7200716995	0.9999537652	0
5.9843348305	0.0892649912	0.9999537652	3.1668299586
1.0635210123	0.8716494314	0.9999537652	1.5179334301
-1.2366111617	0.6802445842	0.9999537652	1.1660774039
1.2620661248	0.238329277	0.9999537652	1.0471036173
1.0601682245	0.7494128605	0.9999537652	-1.0692399349
1.6153845695	0.3526556207	0.9999537652	1.0343427953
1.1076354351	0.5859625956	0.9999537652	1.1459832143
0	0	0	2.996475627
1.0278927117	0.8062560011	0.9999537652	1.1031580594
1.2181904606	0.1979556593	0.9999537652	1.1894915044
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1.1712788023	0.448544156	0.9999537652	1.1190533384
1.1847522967	0.529325654	0.9999537652	1.7838137732
-1.2630572068	0.3963821605	0.9999537652	-1.0374832999
-1.7273247423	0.4757529256	0.9999537652	1.899154088
-1.0373643103	0.8911391489	0.9999537652	1.9268931499
-1.1161406883	0.6856540102	0.9999537652	1.1411752257
-1.0664931696	0.6157412751	0.9999537652	1.1435636088
-1.5800919873	0.2165924087	0.9999537652	1.4589382486
1.0970578367	0.8131231029	0.9999537652	-1.421780825
-1.2703108722	0.450818258	0.9999537652	1.3293906638
-1.1930284735	0.4993493788	0.9999537652	2.2968992123
1.0508109119	0.9163795976	0.9999537652	-1.2032318277
-1.0629755097	0.8356483978	0.9999537652	1.4002849445
1.5707075507	0.5527715905	0.9999537652	2.3843565867
1.1047381258	0.7904938338	0.9999537652	2.2223039899
-1.1337429989	0.5096982934	0.9999537652	1.0395829044
1.6175850298	0.6135732969	0.9999537652	-2.225399492
1.0517703627	0.7809389694	0.9999537652	1.1215434217
-1.4336299357	0.4561288407	0.9999537652	-1.044632029
1.2409028678	0.1354022209	0.9999537652	1.2722886121
3.8622037496	0.6194645299	0.9999537652	2.719037262
1.346591354	0.1118672443	0.9999537652	1.3432864832

gene_expression_table

-1.0731179781	0.6628058369	0.9999537652	1.081187033
-3.7721528137	0.034595666	0.9999537652	4.5410297837
1.0469822222	0.8546887483	0.9999537652	1.143743146
1.0349597892	0.9371831907	0.9999537652	-1.071202464
1.9042601795	0.4857971403	0.9999537652	-1.2779826415
1.108582374	0.4736578487	0.9999537652	1.0746868286
1.1769915264	0.2672716477	0.9999537652	1.3445445725
-1.0191824441	0.9511598066	0.9999537652	1.0413611366
-1.4123278392	0.0557332298	0.9999537652	1.1040275
-1.0313543946	0.9267516344	0.9999537652	-1.0434166215
-1.0060206103	0.9725821843	0.9999537652	1.3529064741
1.307470285	0.0601549708	0.9999537652	1.459239867
-1.0780766494	0.7342025656	0.9999537652	1.2372933796
1.5950355194	0.2370865165	0.9999537652	-1.1878985118
1.8447991669	0.5962138556	0.9999537652	-1.0597351848
-1.0506933818	0.7848519371	0.9999537652	-1.3227504982
-1.5066460521	0.2338319023	0.9999537652	1.207216514
1.13469086	0.6367260158	0.9999537652	-1.0917463776
-1.0325789148	0.8328090182	0.9999537652	1.2341242213
-1.0168813118	0.9347955731	0.9999537652	-1.0997922981
-1.0690801504	0.8105778621	0.9999537652	1.5416487068
-1.0951686159	0.81806383	0.9999537652	1.2463798261
1.3081855134	0.5433589281	0.9999537652	1.3903161209
0	0	0	0
1.2890103725	0.0829647326	0.9999537652	1.2550870371
-1.2135779811	0.6138261942	0.9999537652	-1.0050453798
-1.6044090876	0.2248180855	0.9999537652	1.1169595848
1.3144208192	0.1577335197	0.9999537652	1.3263114485
1.5956389477	0.0392846676	0.9999537652	1.1558040718
-1.0104578462	0.966204329	0.9999537652	1.0767467946
2.7957660672	0.7054974687	0.9999537652	2.996475627
1.3998044119	0.0563819532	0.9999537652	1.1545606783
-1.0343543478	0.8134596441	0.9999537652	-1.0521291579
1.2386449094	0.3781672837	0.9999537652	-1.0145827841
1.049401216	0.9114587428	0.9999537652	1.8296666597
-1.0121961358	0.9760891688	0.9999537652	1.1710513718
1.0037567808	0.9885811225	0.9999537652	1.0525990101
-1.854982839	0.6694971359	0.9999537652	-1.8582093966
1.1108134048	0.8092673189	0.9999537652	1.6323443946
-2.0049727571	0.4873925634	0.9999537652	-1.1597631554
-1.0335985921	0.943810092	0.9999537652	-1.3017482893
1.1020291412	0.7628199992	0.9999537652	1.1981087661
2.7933974408	0.6948713406	0.9999537652	12.7909013375
-1.3942835591	0.2026501885	0.9999537652	1.153944849
1.1169355694	0.6462479617	0.9999537652	1.1607139985
1.0049860966	0.9823780311	0.9999537652	1.1533018321
0	0	0	8.8639046058
1.4298393692	0.4055482656	0.9999537652	1.2028167091
1.0809311942	0.822193759	0.9999537652	-1.2968981054

gene_expression_table

1.1723002888	0.7755492984	0.9999537652	1.2584485193
0	0	0	4.9527501949
-1.1146306381	0.7224277023	0.9999537652	1.1314939616
1.2310686261	0.6065656306	0.9999537652	1.3482609657
0	0	0	2.2924151284
2.7933974408	0.6948713406	0.9999537652	0
11.5766527773	0.345362513	0.9999537652	0
-1.0311616413	0.8737358736	0.9999537652	1.2836234747
1.008818647	0.9641574001	0.9999537652	-1.0925167214
-2.1004794521	0.1140863462	0.9999537652	1.2123204254
2.1881200327	0.2125230807	0.9999537652	1.0483600032
1.0620987388	0.695432061	0.9999537652	1.226991701
-1.0637461542	0.7935483252	0.9999537652	-1.0272174654
-2.1334630094	0.4839493564	0.9999537652	-14.149476906
0	0	0	4.9527501949
-1.5799022448	0.5967477828	0.9999537652	-1.2021592749
-1.3164847373	0.5305101405	0.9999537652	-1.153587748
1.1093907672	0.5761776071	0.9999537652	1.0012044607
-1.4476378234	0.515261142	0.9999537652	-1.6746323835
4.5505976667	0.5557790267	0.9999537652	0
-17.0527724669	0.1063772664	0.9999537652	1.0490376413
-1.0071249919	0.960616034	0.9999537652	-1.1683296871
-1.2613224469	0.598119673	0.9999537652	-1.0010455891
-1.1246002998	0.6069520815	0.9999537652	1.024409277
-1.2162776307	0.536136465	0.9999537652	1.2507550533
1.0616364134	0.7706767992	0.9999537652	-1.231484353
1.1934306586	0.2079402082	0.9999537652	1.1638087086
1.5700030029	0.0702062927	0.9999537652	-1.0900414669
-4.1203521956	0.03258327	0.9999537652	2.0679121385
1.3279689902	0.4163517252	0.9999537652	1.3429089002
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1.0521854961	0.8190653786	0.9999537652	-1.0174301226
1.0116229213	0.9428882902	0.9999537652	1.1650180223
0	0	0	0
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1.3767654965	0.2401189146	0.9999537652	1.0250709488
2.8256295203	0.0876726021	0.9999537652	-1.0605276563
1.2019298597	0.1711736834	0.9999537652	-1.1479730021
-1.8105080737	0.0211818987	0.9999537652	-1.0163270948
-1.2938717281	0.687251086	0.9999537652	2.0225373915
-3.4222690496	0.2994818546	0.9999537652	4.1560398863
1.1566482891	0.2518375702	0.9999537652	-1.1466207482
1.2692032851	0.3283732647	0.9999537652	1.0555183433
1.1039120407	0.7054029048	0.9999537652	1.2021853784
1.0585637429	0.667752531	0.9999537652	-1.132745483
-1.1711577976	0.1943509975	0.9999537652	-1.0667380786
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1.0170424609	0.941452401	0.9999537652	-1.1806607509
0	0	0	6.908559683

gene_expression_table

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1.2404356038	0.3941941101	0.9999537652	1.1978546347
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1.1103672411	0.632890972	0.9999537652	1.0456058944
-1.1392831724	0.6706716072	0.9999537652	-1.5572884298
2.7933974408	0.6948713406	0.9999537652	0
1.0819131344	0.8560233292	0.9999537652	1.0227701733
1.5635972403	0.3004749494	0.9999537652	-1.5327178342
-1.122875753	0.4807521998	0.9999537652	1.0325514248
1.0778072992	0.7285317151	0.9999537652	-1.2836897126
1.2303693658	0.6754356443	0.9999537652	-1.0854573451
-1.3633757889	0.1496354067	0.9999537652	-1.028651198
1.0807141003	0.90751728	0.9999537652	-1.7221998916
1.4556800965	0.0920771429	0.9999537652	1.4551228482
0	0	0	12.7732027325
0	0	0	2.996475627
1.1755982974	0.7552796319	0.9999537652	1.3437952164
1.0445159967	0.9279536782	0.9999537652	1.1823907463
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-2.0288012188	0.2226599793	0.9999537652	-1.5746344992
1.8993989353	0.0845766511	0.9999537652	-1.1521524629
1.7949800932	0.2806698722	0.9999537652	-2.0756169608
-1.4127194569	0.4928967744	0.9999537652	1.0570586743
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1.3837390216	0.4604357121	0.9999537652	1.2982922721
-1.6255754634	0.0426127442	0.9999537652	-1.3990777792
-1.025896251	0.9477053077	0.9999537652	-1.1655552762
11.5766527773	0.3453729851	0.9999537652	-1.0931530667
-1.1029785928	0.5788676233	0.9999537652	-1.1356617337
-1.1634848613	0.5710168884	0.9999537652	-1.0940235868
-2.4084168057	0.2472137932	0.9999537652	1.7585914753
1.0030120122	0.9914984035	0.9999537652	-1.1885298623
1.0454929694	0.7720673323	0.9999537652	1.2249918822
-1.0358108118	0.8680303025	0.9999537652	1.2271603724
-1.0404315745	0.956800981	0.9999537652	-1.5200437261
1.8997719676	0.0165238457	0.9999537652	-1.1186551763
0	0	0	4.9527501949
4.5505976667	0.5557790267	0.9999537652	-2.2049479182
1.141719395	0.5709505107	0.9999537652	-1.0810232217
-1.1923561156	0.5378501573	0.9999537652	1.3408938512
3.3030568913	0.2923090227	0.9999537652	1.5762331035
-1.0953312734	0.6445886497	0.9999537652	1.0558976974
-1.2097854419	0.1895125059	0.9999537652	1.1141685225
1.0909697259	0.7877855123	0.9999537652	-1.0303647856
1.0524126307	0.7821868917	0.9999537652	1.0656804465
-1.1344589861	0.4229985513	0.9999537652	-1.1969739175
-1.1017238568	0.4614971942	0.9999537652	1.1185268517

gene_expression_table

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1.0713018552	0.8306544224	0.9999537652	-1.4398459869
1.0349118986	0.96866929	0.9999537652	1.70049381
-1.1708143936	0.8368412765	0.9999537652	1.3560121951
-1.0167048523	0.9313869939	0.9999537652	1.0493948245
16.8581089812	0.2738049063	0.9999537652	-2.1752099359
1.2905180359	0.3931371891	0.9999537652	-1.5866582948
-1.0143489742	0.9768810865	0.9999537652	1.1246972007
0	0	0	4.9527501949
-1.4540659285	0.1175072252	0.9999537652	-1.6380064068
1.7777127261	0.5426913471	0.9999537652	-2.0451275073
13.3441949841	0.3177230898	0.9999537652	4.398765428
-1.5732382151	0.0653873188	0.9999537652	1.5248238359
0	0	0	0
1.2225264535	0.7082255851	0.9999537652	1.0134225724
1.6560510752	0.1363434874	0.9999537652	-1.5269385376
1.2022733572	0.7147355263	0.9999537652	1.259119136
-1.1354041114	0.545249206	0.9999537652	-1.0772316405
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-1.3045064545	0.7717955884	0.9999537652	1.1490503071
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1.3264454653	0.0996002051	0.9999537652	-1.2923929199
-1.0084662653	0.958163175	0.9999537652	1.0319762474
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-1.0888977827	0.4909023804	0.9999537652	-1.0929777658
-1.1698447291	0.4025330229	0.9999537652	-1.1606639723
-2.9523355565	0.3410275525	0.9999537652	3.6975953223
1.0882534344	0.8474813457	0.9999537652	-1.0245128851
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-1.1692788994	0.6710113129	0.9999537652	1.0729673733
6.5591783221	0.1221769227	0.9999537652	1.0468043088
-1.5554802511	0.0202089415	0.9999537652	-1.2094762063
1.1123900346	0.5430608154	0.9999537652	1.1928207466
2.7933974408	0.6948713406	0.9999537652	0
1.2901571405	0.5274507438	0.9999537652	-1.0116744335
-2.4076384939	0.261806788	0.9999537652	1.3454879954
-2.9548384089	0.3320364738	0.9999537652	1.1075715118
4.5505976667	0.5557790267	0.9999537652	0
-1.1897399587	0.4908028593	0.9999537652	1.2188167332
1.0012418124	0.9979944043	0.9999537652	6.4574967663
1.4381425725	0.4704268886	0.9999537652	-1.1614254091
-1.0369407296	0.8158419845	0.9999537652	-1.039504396
1.6102122309	0.2510982009	0.9999537652	-1.1551840315
-1.2192096094	0.4000317338	0.9999537652	-1.314799552
1.0139488168	0.9186419636	0.9999537652	-1.0968945811
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-1.0825892839	0.5698532677	0.9999537652	-1.0588478572
-1.217629373	0.129732958	0.9999537652	-1.077886714
1.1155246223	0.6647937502	0.9999537652	-1.0446292135

gene_expression_table

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1.0497175022	0.7907591056	0.9999537652	1.1565049455
8.064174035	0.4222712946	0.9999537652	-1.2567496987
-1.0279577398	0.9591477357	0.9999537652	1.1962074888
-1.0397128837	0.8711281519	0.9999537652	-1.579571179
1.1577629587	0.5279802488	0.9999537652	1.0590887738
-1.0752763322	0.5783875662	0.9999537652	1.0707166822
-1.035257715	0.8402878745	0.9999537652	-1.1270095525
-1.5881570201	0.7074470251	0.9999537652	1.4836175613
-1.0196035013	0.9499469485	0.9999537652	-1.4578345401
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1.4215568538	0.4385950049	0.9999537652	1.16387152
1.9164640685	0.0141726048	0.9999537652	-1.0661164068
-1.2333517567	0.3787896165	0.9999537652	-1.1381043479
-1.0442260389	0.9103650259	0.9999537652	1.3556242168
-1.4162966763	0.1182381061	0.9999537652	1.7452237084
1.4517602532	0.0334107145	0.9999537652	1.2595647504
-1.4116799472	0.0604303746	0.9999537652	-1.1915942714
1.181347916	0.4744948084	0.9999537652	-1.0009216603
-1.0008213246	0.9964135212	0.9999537652	-1.1612819369
1.4663278119	0.156134944	0.9999537652	-1.6435212058
-1.2660139623	0.4542647454	0.9999537652	-1.8328251143
1.1278195782	0.4727355824	0.9999537652	-1.2061965622
1.3690635889	0.1573380805	0.9999537652	-1.1752471352
3.7950012782	0.2233498707	0.9999537652	1.6777099281
1.2185752416	0.2837202748	0.9999537652	-1.1421709287
-1.1107449644	0.885408535	0.9999537652	1.6944665328
-1.0216657614	0.969455364	0.9999537652	1.0811651952
1.2236077574	0.3909402183	0.9999537652	1.0658180481
1.3549988344	0.4899782337	0.9999537652	1.0866621179
1.0821298481	0.9047336486	0.9999537652	-1.3319334118
0	0	0	2.9985540909
-1.3372457995	0.0437376303	0.9999537652	-1.0364107525
-1.1531996456	0.6700293704	0.9999537652	-1.1423667136
-1.0345660389	0.8884461592	0.9999537652	1.7831051404
4.5505976667	0.5557790267	0.9999537652	-1.5100069453
-1.0668050857	0.6138377127	0.9999537652	1.0710860867
-1.1244953179	0.4456959952	0.9999537652	1.2170575577
11.5766527773	0.3453834666	0.9999537652	1.3574283852
-1.1227231237	0.494563338	0.9999537652	1.0559602783
-1.6001912718	0.0338141264	0.9999537652	-1.1883124001
1.154207681	0.6248566768	0.9999537652	-1.4118498049
4.5505976667	0.5557790267	0.9999537652	2.2825222368
1.1262065255	0.7043547904	0.9999537652	1.0808569045
-7.8342489948	0.0136573932	0.9999537652	1.5842650109
1.0629048358	0.7460915252	0.9999537652	1.0661001028
0	0	0	1.1700186664

gene_expression_table

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1.7391982989	0.0257888344	0.9999537652	-1.5369179689
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-1.1066761544	0.6643157542	0.9999537652	1.0315091038
1.0349994282	0.9675313124	0.9999537652	-1.3269334757
1.221981633	0.7018225786	0.9999537652	-1.6284361991
0	0	0	2.996475627
1.109848328	0.5394180148	0.9999537652	1.1130275869
-1.0234269768	0.8790014282	0.9999537652	-1.2856167514
1.002632797	0.9812588525	0.9999537652	1.1126210608
1.0952316116	0.7158993795	0.9999537652	-1.4723183875
1.9491018051	0.3202018509	0.9999537652	1.7141474805
-1.2644984285	0.4652834071	0.9999537652	-1.972375129
-1.2717055773	0.4875279292	0.9999537652	1.0859797898
1.1482262978	0.6957543752	0.9999537652	1.1685800277
1.5327931967	0.2345172935	0.9999537652	-1.3469064259
-1.0251835228	0.8944765121	0.9999537652	1.033414963
-1.2336678355	0.3267077319	0.9999537652	1.0413508965
-2.3052484641	0.2776253318	0.9999537652	1.2507078744
-1.3027577835	0.1401717335	0.9999537652	-1.0314141135
-2.587194901	0.5006470995	0.9999537652	-1.8582093966
1.0095657304	0.9439216259	0.9999537652	-1.0205323068
1.0407237678	0.7801667772	0.9999537652	-1.1523577522
2.330589113	0.4664892188	0.9999537652	-1.5705467174
-1.0001753882	0.999358114	0.9999537652	-1.1367806427
-1.0401261452	0.8278088685	0.9999537652	-1.2423304861
1.0734173562	0.7186913917	0.9999537652	1.2275169558
-1.0678286543	0.6722408651	0.9999537652	-1.1856729112
-1.8319526048	0.0618747103	0.9999537652	1.0869205685
1.1833286525	0.3788698012	0.9999537652	-1.0070319458
-2.6228880748	0.0202922465	0.9999537652	-1.5057213597
1.0839546126	0.580310108	0.9999537652	-1.0120983611
1.2521963851	0.5775405818	0.9999537652	1.0711962509
-1.5863269394	0.0464677276	0.9999537652	-1.0959859932
2.7933974408	0.6948713406	0.9999537652	1.5756933516
1.0182112369	0.9060000298	0.9999537652	-1.0904500673
-1.2738619992	0.2045482531	0.9999537652	-1.1058163778
1.4309845342	0.4068681391	0.9999537652	-1.0027200464
0	0	0	0
4.5505976667	0.5557790267	0.9999537652	1.2603189694
-1.4963644574	0.6151081976	0.9999537652	1.897906693
1.0283194864	0.8471230877	0.9999537652	-1.0350044613
-1.3718088005	0.3061485935	0.9999537652	-1.3356371379
1.3826309223	0.7329052215	0.9999537652	-1.5384306948
1.776015977	0.0778270529	0.9999537652	-1.237305892
1.0013845877	0.9959051746	0.9999537652	1.1018310916
-1.0200504634	0.9176229043	0.9999537652	-1.3618678517
1.0841638385	0.6911425732	0.9999537652	-1.1098137413
1.0475940189	0.9393601759	0.9999537652	1.079650584

gene_expression_table

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-6.9764533263	0.2593700317	0.9999537652	8.8639046058
-1.2618517205	0.5872110544	0.9999537652	1.03963227
-1.268795569	0.3429782844	0.9999537652	-1.0812747137
2.258038479	0.0776225326	0.9999537652	1.5262115505
3.8622037496	0.6194337597	0.9999537652	0
-6.9762758667	0.257419656	0.9999537652	-5.3583704783
1.0549349563	0.7350195196	0.9999537652	1.1084324612
-1.1340167542	0.4922289578	0.9999537652	1.1427608641
1.225993467	0.3843798377	0.9999537652	1.1091584351
2.108863471	0.0002225	0.9999537652	1.4861586109
1.8696685518	0.0114358782	0.9999537652	1.1592213224
-1.0417605612	0.7824791725	0.9999537652	1.0070508378
-1.5875118025	0.7203177862	0.9999537652	-1.1248877899
1.8366107518	0.4261058267	0.9999537652	-1.3519310275
-6.9736190158	0.2250321147	0.9999537652	16.6921882404
-1.0518570978	0.7745174959	0.9999537652	-1.0804291815
9.8205505243	0.380994976	0.9999537652	-1.1567178131
2.4449452442	0.0215423507	0.9999537652	-1.0522487344
1.1266438642	0.8181125702	0.9999537652	1.0595894297
-1.6686798736	0.6491343639	0.9999537652	1.5517968762
-1.1833028368	0.4789037669	0.9999537652	1.4410760795
1.3261654664	0.0872907158	0.9999537652	1.4328268746
1.0912415555	0.6737259844	0.9999537652	1.3999637636
3.899881088	0.0395998217	0.9999537652	1.1223406437
1.203940792	0.8610436641	0.9999537652	2.0098769534
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1.7703819676	0.0132340253	0.9999537652	1.088456437
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0	0	0	0
0	0	0	4.7454169068
1.0563236658	0.7258605568	0.9999537652	1.4528650933
1.8618500038	0.2598939419	0.9999537652	1.7266774322
58.8883703784	0.1122314687	0.9999537652	-7.8899638767
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15.0880352532	0.2942883058	0.9999537652	0
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1.1072800056	0.4275938339	0.9999537652	1.1490828701
1.2127039295	0.5586538638	0.9999537652	-1.2838220281
-2.5861438062	0.4709545055	0.9999537652	23.7230095966
-1.6952918056	0.270858941	0.9999537652	-1.7028105906
1.322151751	0.2360467642	0.9999537652	-1.8831980752
1.0084102709	0.9528638825	0.9999537652	1.0375158742
4.5505976667	0.5557790267	0.9999537652	1.029347285
-1.0262533566	0.9035952524	0.9999537652	-1.2346007941
1.0965971874	0.522694675	0.9999537652	-1.0721736523
-1.176304255	0.6774066005	0.9999537652	1.0835576938
-1.1082147911	0.4372816266	0.9999537652	1.1018351959

gene_expression_table

0	0	0	6.908559683
-2.3117555798	0.1522936756	0.9999537652	4.1809571314
-1.0561176895	0.8168034366	0.9999537652	1.0264222519
1.1571624393	0.5980152062	0.9999537652	-1.1642035708
-1.0288870077	0.8865309765	0.9999537652	1.1596997932
-1.1502223204	0.3250046162	0.9999537652	1.197561258
1.0989601209	0.764622033	0.9999537652	-1.1322601057
-1.7490652112	0.0437536281	0.9999537652	-1.5603081777
1.3152430872	0.4651088869	0.9999537652	1.1660875283
1.6810466894	0.2926172386	0.9999537652	-1.0144415291
1.1172067747	0.5476592311	0.9999537652	1.2532169093
1.3019739475	0.7507211223	0.9999537652	-1.0841536928
-6.9736190158	0.2250321147	0.9999537652	0
0	0	0	-1.3582894632
-1.7136183137	0.5421628711	0.9999537652	-1.69406917
1.0615648937	0.755256969	0.9999537652	1.1436958289
1.0582141412	0.6343580778	0.9999537652	1.1066544677
1.1535052054	0.6496127013	0.9999537652	-1.0494973352
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1.0951169398	0.7674747484	0.9999537652	1.0938062629
-1.509769767	0.4059804021	0.9999537652	-1.3682707861
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-1.2326413295	0.2714532241	0.9999537652	-1.016319789
1.8360797651	0.4045793112	0.9999537652	-1.4560556818
1.7489762908	0.4445069032	0.9999537652	-1.4786786349
1.2597970535	0.2145553382	0.9999537652	1.1343796609
1.2827647554	0.3226362006	0.9999537652	-1.0107226662
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-1.3878172573	0.1604975778	0.9999537652	-1.0817782228
-1.2386169288	0.2432868612	0.9999537652	-1.3545773447
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-1.2962040907	0.199680731	0.9999537652	-1.2946693566
1.7357216427	0.2492998457	0.9999537652	-1.2398497886
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0	0	0	4.9527501949
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-1.1585090632	0.6996725321	0.9999537652	-1.2937703852
-1.2639097136	0.3072641927	0.9999537652	1.489517965
0	0	0	-5.3583704783
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1.1031473388	0.4938834645	0.9999537652	1.1866843141
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1.0028853506	0.9887016687	0.9999537652	1.0662845969

gene_expression_table

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1.1995078124	0.4707496883	0.9999537652	1.1617347337
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1.2673362162	0.1436364791	0.9999537652	1.0481369425
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1.1782560174	0.7375192819	0.9999537652	-1.2503926932
1.5640503221	0.0446669114	0.9999537652	-1.0130902147
1.2516955386	0.6520906508	0.9999537652	-1.1899815703
6.3075231393	0.4853175467	0.9999537652	20.6004768562
1.1291914808	0.7776980625	0.9999537652	-1.0371777014
4.5505976667	0.5557790267	0.9999537652	1.638122109
0	0	0	2.996475627
1.1787197499	0.492011671	0.9999537652	-1.1853831376
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1.3159568783	0.4587586164	0.9999537652	-1.2779765113
2.105568983	0.3166905972	0.9999537652	-1.3659900625
1.0206943064	0.9003158103	0.9999537652	-1.0630506289
1.404100928	0.5399065217	0.9999537652	-1.4923018149
-1.1584416479	0.4151841532	0.9999537652	1.5163406239
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-1.1940646118	0.6014726154	0.9999537652	1.0242826737
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-1.2873988025	0.1637503722	0.9999537652	1.1398926157
0	0	0	2.9985540909
1.5466895784	0.078383864	0.9999537652	1.0127880788
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1.0706053958	0.8178919106	0.9999537652	1.1859144042
-1.0011881979	0.9946789894	0.9999537652	-1.0899245251
-1.0258778433	0.9636814017	0.9999537652	-1.1865010949
1.6052664222	0.6760285368	0.9999537652	1.7791803399
1.3766983443	0.5400571722	0.9999537652	-1.0743277914
-1.0879481565	0.831282769	0.9999537652	-1.0785973397
1.2600240288	0.7499892903	0.9999537652	2.2942711679
1.7069561144	0.001074	0.9999537652	-1.4889190041
1.2335124016	0.647802239	0.9999537652	-1.4464184743
1.0059559074	0.9585892938	0.9999537652	-1.6048774281
0	0	0	-1.4671767304
-1.2288827784	0.1669511509	0.9999537652	-1.0917155773
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-1.0361672725	0.8602886397	0.9999537652	-1.0408898903
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gene_expression_table

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1.1262528854	0.8590423635	0.9999537652	1.9614046585
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0	0	0	8.8700459102
16.8433158146	0.2736437241	0.9999537652	6.5010535319
9.8288704632	0.3801048341	0.9999537652	1.4360713397
0	0	0	8.8639046058
6.3075231393	0.4853079883	0.9999537652	8.8639046058
1.0412916276	0.9039008571	0.9999537652	1.0581464647
4.5204235356	0.1568737007	0.9999537652	-2.7911910562
4.5505976667	0.5557790267	0.9999537652	4.4018286016
16.8433158146	0.2736906085	0.9999537652	6.1460359069
-1.2891641163	0.1475777902	0.9999537652	1.108808396
1.0330362255	0.8074522675	0.9999537652	1.0690440539
-1.5081216981	0.0568957111	0.9999537652	-1.3608350649
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11.5766527773	0.3453939576	0.9999537652	15.7262184124
1.1749178842	0.2009720376	0.9999537652	1.4546797915
1.8486773713	0.597508024	0.9999537652	-1.4884129525
1.216076899	0.3069245115	0.9999537652	1.0982195965
1.3129275726	0.0364746685	0.9999537652	1.1838181617
-1.2325232486	0.4298024991	0.9999537652	1.0902899402
1.156027552	0.3062320368	0.9999537652	1.4292753205
1.1450658693	0.4301942297	0.9999537652	1.1893173501
-1.4712611897	0.5100694128	0.9999537652	-1.1386107712
1.2159527821	0.4864124209	0.9999537652	1.4973186614
1.0403016984	0.7873473631	0.9999537652	1.0249232295
-1.134323779	0.7470397286	0.9999537652	1.6751022027
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1.1423122415	0.4728638022	0.9999537652	-1.0480617211
1.1901748577	0.3118724281	0.9999537652	1.0701405656
1.0883303231	0.8915836888	0.9999537652	-1.6149407038
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1.0313582086	0.8740827071	0.9999537652	1.2616895519
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1.8528871235	0.6236356389	0.9999537652	-1.859280336
2.7933974408	0.6948713406	0.9999537652	16.6921882404
1.1197165763	0.4388440347	0.9999537652	1.3207729249
13.3324809638	0.3193766287	0.9999537652	0
1.0858146959	0.5883987354	0.9999537652	1.287777361
1.2232587176	0.4107987945	0.9999537652	1.6561638413
1.0093087785	0.9536238723	0.9999537652	1.2808469015
1.0861679403	0.6878299526	0.9999537652	1.1673314828
-1.0302490502	0.8312355715	0.9999537652	1.146732109
-1.0155812503	0.9531816976	0.9999537652	-1.1569322354
1.2601694192	0.7476173472	0.9999537652	2.3697912034
1.1684700032	0.5149452709	0.9999537652	-1.3326501422
1.1063683457	0.4990587707	0.9999537652	1.4798701681

gene_expression_table

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-1.0670702872	0.909462178	0.9999537652	1.0057694371
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1.0189640423	0.8839145995	0.9999537652	1.124765166
-1.0282707113	0.8368056055	0.9999537652	1.1617344316
-1.0025725449	0.9888566129	0.9999537652	1.1697201952
1.119365539	0.8084500976	0.9999537652	2.0676325407
-1.0406519715	0.8174761295	0.9999537652	1.0397483482
1.0812231057	0.9007032907	0.9999537652	2.9644643681
1.6179314394	0.4722136221	0.9999537652	-1.4439334837
2.7933974408	0.6948713406	0.9999537652	0
1.9066445334	0.474201645	0.9999537652	-1.1626441795
-1.133504523	0.5795744495	0.9999537652	1.1355210512
-1.2584520901	0.2543569632	0.9999537652	-1.0946926513
1.4451058543	0.6003003127	0.9999537652	1.3716738948
-1.3204799705	0.5579101894	0.9999537652	-1.1081534871
1.8049120379	0.0503598636	0.9999537652	1.1008357584
-1.257961459	0.1243358169	0.9999537652	1.0691522129
4.5225226171	0.1563080352	0.9999537652	-1.6798913749
-1.0087761577	0.9636760491	0.9999537652	-1.0729288431
-1.1457555741	0.910637459	0.9999537652	1.9418822056
6.3075231393	0.4852984374	0.9999537652	4.9527501949
7.6803712917	0.054587146	0.9999537652	2.9959081515
4.5545995984	0.5696641564	0.9999537652	-1.4636323788
1.04961577	0.7749579842	0.9999537652	1.1791889236
1.2501272441	0.2435927604	0.9999537652	1.0457081085
-1.2783158092	0.0567139491	0.9999537652	-1.0239170922
-1.191441802	0.6261704539	0.9999537652	-1.0781736232
1.0907959547	0.5153641616	0.9999537652	-1.0205163277
1.4717207227	0.3853329745	0.9999537652	-1.1419570229
-1.739818287	0.1178543278	0.9999537652	1.029751722
1.00113172	0.9940597631	0.9999537652	1.4186025385
-1.085804469	0.5575951198	0.9999537652	1.0683421565
1.0190376465	0.8805015969	0.9999537652	1.0282617854
-1.3773314892	0.0903210022	0.9999537652	1.052258108
2.2149242497	0.2789824949	0.9999537652	1.3889218671
1.0737726678	0.743192988	0.9999537652	1.2145355146
0	0	0	4.9561842702
-1.0556202517	0.8726793543	0.9999537652	-1.2512643744
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1.1518919277	0.4709444805	0.9999537652	1.4374095615
1.0371154324	0.8027753852	0.9999537652	1.2393289546
-1.0346176087	0.8514213405	0.9999537652	1.127784666
1.1412238519	0.5729779811	0.9999537652	-1.1054368451
0	0	0	0
-1.0509333268	0.8082713418	0.9999537652	1.0629854896
-1.189834497	0.5590894187	0.9999537652	-1.0234766648
1.0142015787	0.9502130125	0.9999537652	1.0679898826
1.4001944622	0.6032346081	0.9999537652	-1.1826872882

gene_expression_table

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1.0368295037	0.8109061463	0.9999537652	1.1798228814
1.037193117	0.8457949755	0.9999537652	1.036693899
0	0	0	3.8462080177
-1.2370238115	0.3063886647	0.9999537652	-1.3644004332
1.001916372	0.9876381379	0.9999537652	1.2504847939
-1.1858870587	0.4590701844	0.9999537652	-1.0709649066
-1.1790190163	0.3849271386	0.9999537652	-1.200390781
1.2607522837	0.2247859503	0.9999537652	-1.0484652732
0	0	0	0
1.5101610281	0.0817550697	0.9999537652	1.223564641
1.1558590933	0.4533574964	0.9999537652	-1.5430149474
1.4609539587	0.2305983618	0.9999537652	1.4419663777
-1.2808770493	0.0779807784	0.9999537652	-1.0889296854
-1.0205125782	0.9221898151	0.9999537652	-1.2142507046
2.7933974408	0.6948713406	0.9999537652	0
-1.4014416871	0.6352188282	0.9999537652	-1.2525304726
1.1649166714	0.4022488339	0.9999537652	1.2937604524
1.1123661974	0.5142449221	0.9999537652	1.2400663375
1.0107914197	0.9696120089	0.9999537652	1.1526272851
9.8205505243	0.3811471738	0.9999537652	0
-2.1299793114	0.480283682	0.9999537652	-1.1511079519
1.0429903551	0.7895968919	0.9999537652	1.0576421303
-1.0182908362	0.9015594701	0.9999537652	1.1231024891
-1.0601416404	0.7813744265	0.9999537652	-1.1228478116
1.2921049422	0.486219074	0.9999537652	1.2263795356
-1.2599085795	0.2888474391	0.9999537652	-1.0155895798
-1.1581909615	0.3343729654	0.9999537652	1.118292821
6.3075231393	0.4852888938	0.9999537652	-1.4300917892
1.1839827621	0.3239695423	0.9999537652	1.0502090721
1.0301143907	0.8696522723	0.9999537652	1.2372278502
-1.3419168111	0.4064397771	0.9999537652	1.3665428263
-1.1514009361	0.4170346049	0.9999537652	1.4287525201
1.0408060511	0.7595131532	0.9999537652	1.1617337459
-1.0358883782	0.9062269986	0.9999537652	1.5700225911
-1.3204010827	0.0492185365	0.9999537652	1.1096429173
1.2254893424	0.5201549692	0.9999537652	1.2693924856
1.1869733253	0.4714744076	0.9999537652	-1.2172887378
-1.3668636763	0.0284117852	0.9999537652	-1.5135978667
1.5862555348	0.3505256261	0.9999537652	-1.2628336924
1.1805131425	0.2398295273	0.9999537652	1.3628917046
-1.1422124923	0.4747343514	0.9999537652	-1.3797540929
2.608128111	0.1517316786	0.9999537652	-1.007834096
-1.2351432639	0.2033373895	0.9999537652	-1.0091761166
-1.0170434563	0.9341478144	0.9999537652	1.2045720219
1.0788786704	0.6935874055	0.9999537652	1.1921238009
1.0183109303	0.9033082635	0.9999537652	1.1357876156
1.392975024	0.6538178206	0.9999537652	1.0399499187
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gene_expression_table

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4.5505976667	0.5557790267	0.9999537652	8.8639046058
1.1162834585	0.9273004279	0.9999537652	1.4067915718
-1.496681452	0.3663965517	0.9999537652	1.0441887571
-1.9991287888	0.4535404311	0.9999537652	2.4613556948
-1.0773189521	0.6249833341	0.9999537652	1.196120886
1.0902237227	0.4593817391	0.9999537652	-1.0280400571
1.0536087347	0.7226105676	0.9999537652	-1.1948776026
1.0425056794	0.8447769683	0.9999537652	-1.1741182728
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4.5505976667	0.5557790267	0.9999537652	2.9926666006
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1.7776560069	0.5215716221	0.9999537652	-2.2414820712
1.4808270106	0.6341451449	0.9999537652	2.9940379764
1.279335829	0.5184088515	0.9999537652	1.2831155513
1.3170135462	0.3959600609	0.9999537652	-1.2399123282
1.4439128375	0.3433176638	0.9999537652	1.0461823352
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1.4414670849	0.1240803287	0.9999537652	-1.2071277023
1.2053536902	0.3079633689	0.9999537652	1.0848956048
1.1849377253	0.377771704	0.9999537652	-1.1321345132
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1.4477315328	0.1115638052	0.9999537652	-1.2524137015
1.0564719306	0.6431833498	0.9999537652	1.2904210235
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-1.2331909292	0.5002820743	0.9999537652	-1.4260185799

gene_expression_table

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-1.1653900061	0.2019984449	0.9999537652	-1.2240867834
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-1.1021300171	0.889345452	0.9999537652	-1.0552131742
1.1221358527	0.3626763492	0.9999537652	1.133132161
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1.2144087327	0.4392190551	0.9999537652	-1.0030325481
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-1.4475713225	0.0801206975	0.9999537652	-1.7002491637
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-1.1885556815	0.4444202248	0.9999537652	1.0426272218
-1.1142715925	0.6083026473	0.9999537652	-1.0603883324
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1.0476021643	0.8011595106	0.9999537652	-1.2117215963
1.9930986705	0.172670644	0.9999537652	-1.4621109275
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1.0274746218	0.851801736	0.9999537652	-1.0421745334
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gene_expression_table

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1.7949800932	0.281175186	0.9999537652	1.1851182321
1.5088458739	0.5301360532	0.9999537652	1.078186748
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1.0766432389	0.5198885541	0.9999537652	1.1496877388
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1.2234272733	0.2613933662	0.9999537652	-1.0205609736
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4.5505976667	0.5557790267	0.9999537652	22.5383525416
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1.238780517	0.1345003182	0.9999537652	-1.4539417389
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gene_expression_table

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9.8205505243	0.381195962	0.9999537652	-1.7821643145
1.1709835065	0.3131703811	0.9999537652	1.088898973
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-1.0197828113	0.8984853793	0.9999537652	-1.089488292
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1.1595709269	0.5868398847	0.9999537652	-1.5254591311
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1.2001615273	0.3722857192	0.9999537652	-1.1508310948
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1.0642219571	0.6689493875	0.9999537652	-1.2619727673
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1.0382351538	0.8424447844	0.9999537652	1.0957510336
1.2766807249	0.4771435226	0.9999537652	1.4675935119
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gene_expression_table

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-1.1146022967	0.4579055839	0.9999537652	-1.2098771003
-1.0966013797	0.5917026805	0.9999537652	-1.4176928308
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1.0839946656	0.5978934935	0.9999537652	-1.0238367717
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-1.115339507	0.5721341751	0.9999537652	-1.3550695459
-1.0432557936	0.9172425976	0.9999537652	-1.4211405633
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0	0	0	2.996475627
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1.2146174525	0.4825614304	0.9999537652	-1.2881620534
-2.1317846121	0.4677383323	0.9999537652	1.3513892501
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1.4313016951	0.0779835604	0.9999537652	-1.6246443134
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3.2200264641	0.0825417824	0.9999537652	1.3384228545
1.6506720326	0.2190550538	0.9999537652	1.5532508978
2.2720949076	0.0905094517	0.9999537652	1.0704248589
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1.1085999121	0.6955649555	0.9999537652	-1.4896479148
13.3324809638	0.3193679464	0.9999537652	-2.1341400956
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1.3011715182	0.0422767619	0.9999537652	1.0299919617
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gene_expression_table

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1.1332589726	0.7367023341	0.9999537652	1.3258994869
-1.3256856079	0.2914585742	0.9999537652	-1.0034265665
1.6725583551	0.478550357	0.9999537652	1.4443863998
1.1743806988	0.3674200402	0.9999537652	-1.4191417118
-1.4217598579	0.1864941783	0.9999537652	-1.4416838718
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2.7933974408	0.6948713406	0.9999537652	-1.3607721321
-1.2085881694	0.5110035563	0.9999537652	1.0629368176
-1.0782708489	0.6312734216	0.9999537652	-1.1147629222
-1.1254842338	0.6972783045	0.9999537652	1.0265146123
-1.2061735959	0.8458929999	0.9999537652	-1.5210032613
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1.455540275	0.1369661356	0.9999537652	-1.2306475908
1.1991419323	0.3354179737	0.9999537652	-1.0758646414
1.0149585581	0.9597758053	0.9999537652	-1.4626267296
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0	0	0	10.818785458
0	0	0	2.6434024479
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0	0	0	2.996475627
1.1023938338	0.518033941	0.9999537652	1.0098568406
1.01941503	0.8636952273	0.9999537652	1.0101975904
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-7.0403382421	0.1005520082	0.9999537652	2.996475627
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2.7933974408	0.6948713406	0.9999537652	2.996475627
1.0609526506	0.8048598116	0.9999537652	1.005993897
1.1310210172	0.7846483202	0.9999537652	-1.1639181098
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2.216996837	0.1055252038	0.9999537652	-2.2858367088
1.1043648176	0.5043500236	0.9999537652	1.1880243167
-1.1495672	0.5834173794	0.9999537652	-1.3278807112
1.3588576256	0.8014139255	0.9999537652	-7.9636855069
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-1.0688445283	0.7450211495	0.9999537652	-1.3609191796
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-1.182724755	0.4392620349	0.9999537652	1.4362682927
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1.7913882976	0.0580516687	0.9999537652	-1.0557446667
1.7114119638	0.0725190321	0.9999537652	1.1241622155
-1.1936903692	0.4614611172	0.9999537652	-1.0261834446

gene_expression_table

-1.1816673994	0.46975339	0.9999537652	1.2114753243
1.6018473574	0.6946381432	0.9999537652	-1.7691190357
-1.2906676756	0.1177595692	0.9999537652	-1.4193791171
1.0648765994	0.6592635019	0.9999537652	1.030012374
6.3075231393	0.4852698288	0.9999537652	-3.384595918
6.3128691894	0.4810839179	0.9999537652	1.9991325461
0	0	0	2.996475627
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1.0604339708	0.8279524541	0.9999537652	-1.1925380155
1.1642522676	0.6217144243	0.9999537652	-1.0268092547
3.7338262809	0.117354566	0.9999537652	4.7163908587
4.5505976667	0.5557790267	0.9999537652	4.9561842702
1.0622483758	0.652141234	0.9999537652	1.0441035748
1.1719648111	0.243966056	0.9999537652	1.1209781731
1.8366741697	0.2506314126	0.9999537652	1.4128084833
1.2516202231	0.8303779394	0.9999537652	-1.4292703376
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1.1029209479	0.813679922	0.9999537652	-1.1293435299
2.7602715418	0.0419577259	0.9999537652	-1.4934746286
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1.5807620463	0.292709029	0.9999537652	1.2303360356
-1.317283144	0.5030840096	0.9999537652	-1.0107054234
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1.0382517226	0.9389806192	0.9999537652	1.1235729759
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-1.3509716065	0.5573946263	0.9999537652	1.1409731457
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-1.1749245553	0.749565706	0.9999537652	-1.7095238164
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1.2312715047	0.6447041921	0.9999537652	1.061274526
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1.0105955832	0.9775822554	0.9999537652	-1.0391495954
1.3356053654	0.3430918386	0.9999537652	1.2299044262

gene_expression_table

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2.0225469564	0.1497012721	0.9999537652	-1.199039625
18.5983228161	0.2588461094	0.9999537652	6.9133480437
2.7933974408	0.6948713406	0.9999537652	0
-1.2537514618	0.3674217225	0.9999537652	-1.0749180509
-1.3149356864	0.1384091604	0.9999537652	1.6025092553
1.0732956812	0.6241685609	0.9999537652	-1.1340129937
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.1416508574	0.6535294448	0.9999537652	1.0809739446
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0	0	0	4.9527501949
1.6666137657	0.3753116338	0.9999537652	-1.2266184861
-1.2645490621	0.6880962475	0.9999537652	-1.3762789529
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1.17556746	0.546263497	0.9999537652	-1.5591088157
1.5728474279	0.0238177211	0.9999537652	-1.1519498403
-1.0519973377	0.7314473492	0.9999537652	-1.1496597598
-1.1213192715	0.5474489997	0.9999537652	-1.0360642734
1.0043858916	0.9847648623	0.9999537652	1.0161826057
-1.1989647349	0.4332987735	0.9999537652	1.019045855
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1.0374892852	0.8987215732	0.9999537652	1.3895637335
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1.8557422296	0.3218735126	0.9999537652	1.1059318362
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1.0842927461	0.7273563016	0.9999537652	1.3672566925
1.2504025925	0.5370461157	0.9999537652	1.2152158153
1.4500051737	0.1038829653	0.9999537652	1.1818304912
1.2505200867	0.1011303288	0.9999537652	1.2699948056
1.065744814	0.6348848711	0.9999537652	1.0883030932
1.4267642224	0.4092481147	0.9999537652	1.0062187336
1.1669563645	0.5995411504	0.9999537652	1.102566814
-1.0108880557	0.9883912163	0.9999537652	1.110588605
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1.8920098155	0.1680897107	0.9999537652	1.4664814702
1.1172132586	0.6411663374	0.9999537652	-1.2152334541
1.0576665918	0.7819331153	0.9999537652	-1.0906933583
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1.7291298651	0.3372900039	0.9999537652	-1.4802940734

gene_expression_table

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1.6470167447	0.0641387979	0.9999537652	-1.222806565
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6.3075231393	0.4852507934	0.9999537652	-1.4206411224
1.6056477681	0.3928289718	0.9999537652	-1.3840469295
-1.4604704138	0.2849420459	0.9999537652	-1.0680493131
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1.1016736637	0.5712695439	0.9999537652	1.1423039461
-1.944524113	0.0270179523	0.9999537652	1.1037273925
2.3729118478	0.3017562155	0.9999537652	5.8001127949
1.7846532622	0.3772603986	0.9999537652	2.1070894252
-1.4750076826	0.1067363279	0.9999537652	-1.2546737464
-2.4710767924	0.5445105149	0.9999537652	1.2915363004
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1.0999141952	0.3999280148	0.9999537652	1.1017037515
1.0373288779	0.8152836268	0.9999537652	1.6047165983
-1.0736334663	0.7094059054	0.9999537652	1.0195324497
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2.1077739145	0.2653502674	0.9999537652	-1.3953149115
8.064174035	0.4204298929	0.9999537652	-1.1427246333
-1.6288558071	0.4355686581	0.9999537652	2.7242954019
1.2225946172	0.2087631903	0.9999537652	1.0024361165
1.1219535594	0.6819914903	0.9999537652	-1.0149234793
1.0446300955	0.8579968748	0.9999537652	-1.3072752469
-1.0466090104	0.8079593721	0.9999537652	1.152710562
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-1.083525836	0.7322417554	0.9999537652	1.1793779674
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1.086270844	0.7919651292	0.9999537652	1.3490826275
2.0265793637	0.0748231802	0.9999537652	-1.296615928
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1.7398053282	0.2210854143	0.9999537652	1.1750198675
2.7933974408	0.6948713406	0.9999537652	0
144.262103935	0.0663267197	0.9999537652	-1.7465907299
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6.0689445799	0.0357017211	0.9999537652	-1.8676422841
1.087219878	0.5420142803	0.9999537652	1.0210939364
0	0	0	16.6806485101
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2.7933974408	0.6948713406	0.9999537652	3.7005385664
0	0	0	2.996475627
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gene_expression_table

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1.2050101121	0.5495819501	0.9999537652	1.1446861974
1.1592231455	0.6330590559	0.9999537652	-1.1442222517
1.1145776833	0.8149442952	0.9999537652	1.0533536468
-1.0834038168	0.701873703	0.9999537652	1.005989477
-1.1201924633	0.7219318388	0.9999537652	-1.5326892303
1.3129587976	0.2996248014	0.9999537652	-1.0791404304
1.0205020034	0.8851024489	0.9999537652	1.1858288221
1.0170015816	0.9679978787	0.9999537652	1.2503965669
-1.1164535624	0.6135616211	0.9999537652	-1.7039376089
1.1604970644	0.4267951748	0.9999537652	-1.2288978001
1.0216567631	0.8717761847	0.9999537652	-1.0117599554
1.2168974893	0.1554291357	0.9999537652	1.0053116326
-1.1452962001	0.5084154124	0.9999537652	-1.2313167565
-2.955963562	0.318889966	0.9999537652	2.1230226627
-1.033080645	0.9154758944	0.9999537652	-1.2507143103
1.430204995	0.2099873154	0.9999537652	-1.0357021453
-1.4741942417	0.5298175828	0.9999537652	1.1899349411
-4.8154268017	0.171205961	0.9999537652	8.8639046058
1.2910574909	0.7068915691	0.9999537652	-1.3513401684
1.0135240894	0.9417247475	0.9999537652	-1.1924526816
1.3145865926	0.1456307322	0.9999537652	-1.2442361461
1.7286784756	0.4071607084	0.9999537652	-1.1025258849
-1.7180507824	0.0863407843	0.9999537652	-1.0731035797
1.1833138015	0.8256586683	0.9999537652	-1.6576187027
8.064174035	0.4192990295	0.9999537652	-1.9821566108
-1.0677326935	0.7451562835	0.9999537652	-1.1364621289
2.2592667537	0.1577237699	0.9999537652	-1.4377981263
-18.9844959609	0.0576182292	0.9999537652	-2.6856242212
-1.6863530946	0.0148886783	0.9999537652	-1.2503763775
-1.0606604912	0.7818516508	0.9999537652	-1.1775397349
1.3577059233	0.2512336728	0.9999537652	1.351884749
1.8455489546	0.5920717501	0.9999537652	-9.7565542884
-6.9762758667	0.2573366588	0.9999537652	1.2439599102
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8.064174035	0.4193050961	0.9999537652	1.5185018078
1.3487618019	0.0373581617	0.9999537652	1.1575893131
0	0	0	14.7271569203
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15.2790678492	0.007011	0.9999537652	-1.3415412517
1.1176600764	0.6752130527	0.9999537652	-1.0750180715
1.2329089224	0.1099236272	0.9999537652	-1.1853444352
-1.0553653563	0.8151604788	0.9999537652	-1.2473979577
-1.1163043415	0.8073292412	0.9999537652	1.6199771783
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1.0471237689	0.9400144864	0.9999537652	-1.283870632
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gene_expression_table

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1.4549753547	0.122361653	0.9999537652	-1.3767581111
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-1.2549682299	0.7046813256	0.9999537652	-1.6681632674
1.1361581687	0.4747101408	0.9999537652	1.9067922888
1.2967522927	0.2381812178	0.9999537652	1.0055563268
1.1681724717	0.5980109893	0.9999537652	-1.0032494006
-2.0933030754	0.4311045288	0.9999537652	2.5555207059
1.2923978463	0.0757224131	0.9999537652	-1.0625136382
-1.001352875	0.9939349192	0.9999537652	1.027873894
1.1376235531	0.7266645076	0.9999537652	-1.3775874542
-1.5098119052	0.0239249045	0.9999537652	-1.0564896624
-1.1808819591	0.2991964767	0.9999537652	-1.1639347019
-2.5839527681	0.5182093244	0.9999537652	-7.9600406939
-1.2772426758	0.2173335418	0.9999537652	1.0632855752
1.2904993165	0.7067137628	0.9999537652	-1.3344270248
-1.083958991	0.7150263865	0.9999537652	-1.3273707385
1.5186643114	0.126521503	0.9999537652	-1.0960387582
2.063730313	0.2434517488	0.9999537652	1.184649269
-1.3938591781	0.4112724619	0.9999537652	1.0791122804
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1.3138925203	0.3987977175	0.9999537652	-1.1787733872
1.4562834313	0.4031274025	0.9999537652	1.1000534772
1.2520825157	0.3686714579	0.9999537652	-1.1998053226
9.8205505243	0.3812413623	0.9999537652	1.1896492559
1.2782066758	0.0579197463	0.9999537652	-1.1769873521
-1.2269614418	0.5097569439	0.9999537652	-1.2419776884
13.3324809638	0.3193592658	0.9999537652	-2.1478925545
2.1927369676	0.3100396102	0.9999537652	-1.4227651232
-1.4752476881	0.3249836121	0.9999537652	1.1338579197
1.2277912236	0.4827626121	0.9999537652	-1.0715795887
1.1181639381	0.3712795204	0.9999537652	1.0313640661
-1.1540709157	0.5083055084	0.9999537652	-1.1775945909
1.2278372524	0.4547177853	0.9999537652	-1.1823374258
1.3104819349	0.5977979388	0.9999537652	-1.6828571806
-3.0420574223	0.0200169586	0.9999537652	1.1628701098
1.1548620047	0.4365212256	0.9999537652	1.1659094826
-1.2578696146	0.4794039733	0.9999537652	-1.5848247986
-1.703673415	0.2500601166	0.9999537652	-2.016360435
2.5757525888	0.4024060953	0.9999537652	1.3226394782
-1.1697024363	0.5690672907	0.9999537652	-1.3625971749
-1.4112279528	0.452090802	0.9999537652	1.0491203044
-1.1028662803	0.5116989564	0.9999537652	1.0033204842
1.2078320701	0.2040808514	0.9999537652	1.3252215312
1.4119895969	0.1351538328	0.9999537652	-1.1087349309
1.234880122	0.3371095467	0.9999537652	-1.0235070363
1.1820042162	0.6881403305	0.9999537652	1.0949608177
1.2625201345	0.7166896632	0.9999537652	-1.2869062722

gene_expression_table

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1.1883762882	0.7489324124	0.9999537652	1.3519574459
1.0634737655	0.8098414562	0.9999537652	-1.0468073545
-1.3662673861	0.4330921379	0.9999537652	-1.6884599034
-1.4797035191	0.1926787505	0.9999537652	-1.2304213428
1.9050337421	0.4949709275	0.9999537652	-1.0946813431
-1.7633461612	0.0828048363	0.9999537652	-1.6947161979
2.3275623066	0.1421970963	0.9999537652	1.1210043915
-3.0095759667	0.0133438297	0.9999537652	-1.0851531775
1.5853476499	0.2340964662	0.9999537652	-1.0713435126
1.3681812834	0.1597829151	0.9999537652	-1.0999016363
1.0216203554	0.9617310435	0.9999537652	-1.3544732753
1.1796703259	0.4674396698	0.9999537652	-1.161603061
2.7933974408	0.6948713406	0.9999537652	1.1360578751
-1.008016201	0.9679791712	0.9999537652	-1.0340513362
1.301673237	0.2878222209	0.9999537652	-1.2157198662
-1.0590929665	0.8395130035	0.9999537652	-1.0050191535
1.7357769655	0.4589461362	0.9999537652	-1.8319376845
1.0938187138	0.6619564189	0.9999537652	-1.3433466815
1.258269974	0.5405133883	0.9999537652	-1.2276245095
1.6164264405	0.2885611186	0.9999537652	-1.4107422155
16.8433158146	0.2737407497	0.9999537652	1.5887280788
1.131919818	0.5175381532	0.9999537652	1.00310556
-1.3646799224	0.247198007	0.9999537652	-1.2449300023
-1.0325602145	0.8861054924	0.9999537652	-1.023933547
20.3530564257	0.243041495	0.9999537652	-1.0585261291
-1.0230076016	0.8580295474	0.9999537652	-1.0469732088
-1.7700702233	0.006406	0.9999537652	-1.21365965
1.438522744	0.33551139	0.9999537652	1.6627054478
2.9980508928	0.0772277407	0.9999537652	-1.1386918785
6.3128691894	0.4809896669	0.9999537652	-1.4680135518
-1.2121435816	0.3236440173	0.9999537652	1.0323700801
-3.414177408	0.0821008145	0.9999537652	1.326842897
1.4869359056	0.192161553	0.9999537652	-1.5665347228
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1.0435402836	0.9225519067	0.9999537652	1.4821423524
1.3007249239	0.4220272917	0.9999537652	1.5307690468
1.2207004539	0.3401405687	0.9999537652	1.1564218995
-1.0696482273	0.6590707059	0.9999537652	-1.0550947353
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1.0773330201	0.7038892221	0.9999537652	1.3338616035
1.0762510692	0.7508030278	0.9999537652	1.0529602153
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8.064174035	0.419311172	0.9999537652	-1.1393408151
-1.0157803324	0.9440684254	0.9999537652	-1.1242781646
-1.6076590535	0.0694281927	0.9999537652	1.0983259251

gene_expression_table

-1.0099323877	0.9704815666	0.9999537652	-1.3750266236
-1.1341438159	0.8230593928	0.9999537652	2.2750730938
1.2041125841	0.3233374273	0.9999537652	1.0878277235
-1.1421017849	0.5166545102	0.9999537652	-1.1481724641
-1.141788231	0.5457253625	0.9999537652	-1.2539258591
-1.0078760438	0.9608345575	0.9999537652	1.2337773377
1.7564675364	0.3066856983	0.9999537652	-1.6498312408
-1.0535827059	0.9227654106	0.9999537652	1.0539138314
-1.5115068889	0.3922956888	0.9999537652	-1.0553376913
-1.0577205428	0.8175032406	0.9999537652	-1.2855289153
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1.3705463739	0.3942624787	0.9999537652	1.3564311356
-1.0067597911	0.9859314309	0.9999537652	2.3110468829
1.2646652142	0.5932615042	0.9999537652	-1.4894136055
-1.0521480798	0.8160056237	0.9999537652	-1.0008534458
-1.1419238385	0.5555155639	0.9999537652	-1.1499512687
1.0262167194	0.8831107799	0.9999537652	1.2752038196
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1.2044284456	0.6620473463	0.9999537652	1.027221941
-1.0351324722	0.859210317	0.9999537652	1.112950593
1.2015997872	0.2626275289	0.9999537652	-1.1611403584
1.05723955	0.8679302659	0.9999537652	1.4394000994
-1.1603390474	0.3691974075	0.9999537652	1.2906927264
1.1274281612	0.5934347976	0.9999537652	1.1066493571
1.1063168623	0.7106320016	0.9999537652	1.1251025723
-1.418833986	0.006299	0.9999537652	-1.1130761234
-1.0997522348	0.5656251359	0.9999537652	1.1701654835
-1.0610145345	0.7837553448	0.9999537652	-1.112646512
-1.3178027369	0.0682141086	0.9999537652	-1.0930913189
1.1779948772	0.534737708	0.9999537652	-1.1511919005
1.0913090539	0.5422445268	0.9999537652	-1.2545732017
-1.7774568645	0.001742	0.9999537652	1.0778027527
11.5766527773	0.3453485698	0.9999537652	-2.2833428939
1.0915254028	0.6970863701	0.9999537652	-1.472049282
-1.2077069657	0.3958757779	0.9999537652	-1.4026183768
1.3000853227	0.1643933317	0.9999537652	-1.0900508808
1.141365169	0.7160474507	0.9999537652	-1.0386549784
1.1352638971	0.5805056095	0.9999537652	-1.0555960324
0	0	0	-5.3589986948
0	0	0	2.9985540909
1.036534056	0.8580524046	0.9999537652	-1.103061949
1.7364753052	0.0871315304	0.9999537652	-1.3851369611
1.0869018671	0.6078320992	0.9999537652	-1.0247322805
1.8541209205	0.1889969472	0.9999537652	1.1593389183
1.9053972733	0.2675957788	0.9999537652	-1.1633625896
1.2894430397	0.7031643746	0.9999537652	-3.4537504656
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1.4681234004	0.5952711777	0.9999537652	1.0949809192

gene_expression_table

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2.0894806265	0.51754937	0.9999537652	-2.9704130837
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-1.1832445801	0.6579223784	0.9999537652	2.0756676815
-1.5311983595	0.0526218433	0.9999537652	-1.2764452543
1.0452318965	0.9282077995	0.9999537652	1.7397796038
-1.5174748936	0.0195303105	0.9999537652	-1.0388425823
-1.044149981	0.8118945345	0.9999537652	1.0480642143
-3.2699928362	0.157555617	0.9999537652	2.1856030494
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1.1268373502	0.8033495904	0.9999537652	-2.1500229021
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1.0310185201	0.8327062783	0.9999537652	1.1022102698
2.7933974408	0.6948713406	0.9999537652	1.0451154953
1.0068522111	0.9856706857	0.9999537652	-1.2255966104
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-1.4493251305	0.3160794559	0.9999537652	-1.1898078549
-1.0820757546	0.6173418949	0.9999537652	1.1338001755
-1.124952368	0.6095409709	0.9999537652	-1.1118872995
-1.1457847193	0.9108654146	0.9999537652	0
1.149287899	0.3479711581	0.9999537652	1.1404333934
-1.1208614982	0.5414584093	0.9999537652	-1.0330868012
-6.9736190158	0.2250321147	0.9999537652	4.9527501949
-1.0089529604	0.9628142328	0.9999537652	1.0364739072
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1.0990733552	0.8707054707	0.9999537652	-1.2363104227
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4.2373079572	0.0230508341	0.9999537652	-1.7352264768
-1.5681585861	0.211200835	0.9999537652	1.1343479444
2.0877130777	0.5300403745	0.9999537652	-6.4360166533
1.2293721557	0.6959236393	0.9999537652	1.0395649746
45.0425653048	0.1352731676	0.9999537652	-2.3907756185
2.7933974408	0.6948713406	0.9999537652	8.8639046058
-1.0909523832	0.5793684984	0.9999537652	-1.0375097263
-1.3012163181	0.728507528	0.9999537652	-3.8919672371
0	0	0	-2.4271384939
4.5505976667	0.5557790267	0.9999537652	2.9985540909
-1.4471406585	0.0426840013	0.9999537652	1.159041731
1.040479317	0.784806039	0.9999537652	1.0149923097
-2.1326506013	0.4633398779	0.9999537652	-2.4941652249
1.3499426524	0.3196502706	0.9999537652	1.0634879949
1.6018881045	0.6925466852	0.9999537652	2.7192563323

gene_expression_table

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0	0	0	4.9527501949
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-1.1698447024	0.6168365705	0.9999537652	-1.1359253675
4.5505976667	0.5557790267	0.9999537652	2.9926666006
-1.054860168	0.7801687934	0.9999537652	1.1204924391
0	0	0	23.4460379037
1.2090200984	0.5476080637	0.9999537652	1.2201694775
-2.4065148764	0.2679247363	0.9999537652	-1.1659848296
1.196795406	0.666702689	0.9999537652	-1.503716555
4.5505976667	0.5557790267	0.9999537652	-2.0739144097
1.066664157	0.8089606899	0.9999537652	1.0463856997
-1.0547082242	0.8398104898	0.9999537652	1.3844485411
1.2807758528	0.09940768	0.9999537652	-1.0550311545
1.1059787706	0.800710731	0.9999537652	-1.6084213994
-1.0783617518	0.6159981459	0.9999537652	1.0225263947
1.3828243429	0.0738805779	0.9999537652	1.4979416122
-1.0202039148	0.9078109579	0.9999537652	-1.3554312836
-2.1334087267	0.5175748664	0.9999537652	-1.163826152
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1.5544407955	0.4128654436	0.9999537652	1.4831017011
1.3224892896	0.0877943224	0.9999537652	-1.0231727389
4.5545995984	0.5696620789	0.9999537652	-2.5434338259
-1.8808773671	0.4103619195	0.9999537652	-1.3567146076
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-1.9462569054	0.1354184304	0.9999537652	-1.0225687453
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-1.9661648673	0.0750283716	0.9999537652	-1.2862490202
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1.1665046315	0.6050333634	0.9999537652	1.2168600965
2.6885716491	0.2434112801	0.9999537652	-2.1542132939
1.0644272711	0.8963168609	0.9999537652	-1.4373790352
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4.5544554512	0.5691254106	0.9999537652	1.0677352434
1.2641867543	0.6656874377	0.9999537652	1.3511424844
1.2525465648	0.1724654616	0.9999537652	-1.2957631809
0	0	0	-4.03997453
-1.2657442334	0.2930423311	0.9999537652	-1.4856263691
1.2311598771	0.7102269607	0.9999537652	-1.0970546077
-1.0435087147	0.8100922284	0.9999537652	-1.1774188036
1.0085464844	0.9655318649	0.9999537652	-1.1454528563
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1.5601465308	0.5281513061	0.9999537652	-1.6896885141
1.0208805207	0.9118801733	0.9999537652	-1.0881509333

gene_expression_table

1.3258696851	0.1773089864	0.9999537652	1.0468359481
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1.2098037704	0.3496633119	0.9999537652	1.0920564403
1.0492989766	0.7555626724	0.9999537652	1.1017664314
-1.3510764862	0.099041564	0.9999537652	-1.1481053473
1.039650522	0.8757422377	0.9999537652	-1.1642788485
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-1.0191902011	0.9579402026	0.9999537652	1.6349942807
-1.0599491199	0.7435217596	0.9999537652	1.3341478871
-1.3390129686	0.2472838794	0.9999537652	-1.3416941806
1.1585815174	0.8070043188	0.9999537652	1.2674474087
-1.1688076322	0.4064516576	0.9999537652	1.0064794219
1.4268563215	0.1629241824	0.9999537652	-1.0272175701
1.1505026035	0.7779726307	0.9999537652	-1.3167013681
1.5565153735	0.3314984628	0.9999537652	-1.6300855198
-1.1334978809	0.5320079577	0.9999537652	-1.0886989388
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1.6032449232	0.6828897941	0.9999537652	12.7820459093
-1.2498624805	0.5553175663	0.9999537652	-1.1741762696
1.5699684466	0.580659408	0.9999537652	1.4842910408
-1.1260678553	0.6737426764	0.9999537652	1.1702446062
-1.9568017681	0.2893502982	0.9999537652	1.634708435
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-2.1334087267	0.5175920343	0.9999537652	6.908559683
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-1.1607129013	0.4045394488	0.9999537652	1.1175385527
1.3896916952	0.5611214357	0.9999537652	1.7414311168
-1.3361116832	0.5027236386	0.9999537652	-1.2442071513
1.2314060088	0.2559164327	0.9999537652	-1.123540661
0	0	0	-2.0460754901
1.6610722823	0.0897734859	0.9999537652	-1.1214982781
1.1504236229	0.7212534383	0.9999537652	1.1867348035
3.0834316129	0.137675855	0.9999537652	22.5564546887
0	0	0	4.9527501949
1.1615082715	0.4539279899	0.9999537652	-1.079940441
22.1644218026	0.2281090536	0.9999537652	-1.7614958461
2.3315363418	0.4569932801	0.9999537652	1.2149795761
1.4047998333	0.0931232281	0.9999537652	1.1530409265
-1.0370298509	0.7981590775	0.9999537652	-1.1384650592
4.5545995984	0.5696600016	0.9999537652	-1.6826577865
8.064174035	0.4193172572	0.9999537652	6.908559683
-1.2100887496	0.2178547784	0.9999537652	-1.1269152667
1.0570789238	0.7791166667	0.9999537652	-1.2021564776
1.1691161268	0.6180153317	0.9999537652	-1.0026289606
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-1.067068821	0.8485929164	0.9999537652	-1.0767938797
1.1545761986	0.6071043638	0.9999537652	1.0962904631
0	0	0	-2.2697679462
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gene_expression_table

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-1.2600796688	0.3597958047	0.9999537652	1.1116180045
16.8433158146	0.2737918885	0.9999537652	24.5435744105
-1.0198297051	0.9636339738	0.9999537652	-1.1106100071
-1.1192700412	0.5531385307	0.9999537652	1.0969084742
1.2907686534	0.4444380185	0.9999537652	-1.0048258875
1.2575084836	0.107962923	0.9999537652	1.2492845102
1.0273907875	0.8583568005	0.9999537652	1.0293785551
1.0236395102	0.9367361632	0.9999537652	-1.1680054244
-1.5378473775	0.4463996633	0.9999537652	1.0054017569
1.0428454802	0.8235387148	0.9999537652	-1.1018746942
9.8205505243	0.3812562769	0.9999537652	-1.8601323346
1.7193609644	0.3057486486	0.9999537652	-1.0676303356
-2.5871290907	0.5000967645	0.9999537652	1.4007535733
-1.1770676473	0.4819150643	0.9999537652	-1.2732049116
2.7933974408	0.6948713406	0.9999537652	0
1.032981085	0.8989489842	0.9999537652	1.0292637479
-1.2470248275	0.3876231124	0.9999537652	-1.0424269105
-1.1467684078	0.5770087193	0.9999537652	1.4589831901
1.2815359084	0.1931513171	0.9999537652	1.3429042969
-1.5778038045	0.5472260021	0.9999537652	1.2773413674
1.2264638687	0.1579185969	0.9999537652	1.2790406341
-1.9290774189	0.6162844244	0.9999537652	12.7732027325
0	0	0	0
1.1857008507	0.7275479954	0.9999537652	1.0722232032
-1.3038112768	0.2521719475	0.9999537652	1.0594211181
-1.4647167555	0.0532515948	0.9999537652	-1.3558857238
2.7933974408	0.6948713406	0.9999537652	0
-1.0308401072	0.8401489039	0.9999537652	1.05872405
-1.0859522881	0.5263838918	0.9999537652	-1.0354184459
1.4709947928	0.1546581448	0.9999537652	1.0396699623
-1.5881166222	0.7196088008	0.9999537652	-4.7557826338
1.2048594181	0.6745238692	0.9999537652	-1.3946366495
-1.5867714314	0.7161394982	0.9999537652	-2.5808051651
-1.0965736598	0.6284010207	0.9999537652	-1.0217300038
1.0234232714	0.934991721	0.9999537652	1.0862156339
0	0	0	1.2398837679
1.2131929555	0.3553808445	0.9999537652	-1.109124632
0	0	0	2.996475627
2.481077056	0.1991577997	0.9999537652	1.1597107703
-1.8837873194	0.3490819291	0.9999537652	-1.2222390237
1.0464198275	0.9215490832	0.9999537652	-1.8186334012
-1.2651992128	0.1316702361	0.9999537652	-1.3104582613
-1.0349920834	0.8755716003	0.9999537652	-1.0081220711
-1.0425976033	0.7787105059	0.9999537652	1.2433218081
-1.3906298771	0.0353257539	0.9999537652	-1.2707902954
-1.0877321833	0.8925972361	0.9999537652	-1.1891771074
-1.0158491591	0.9406491422	0.9999537652	1.0415100212
1.1943767543	0.3294204005	0.9999537652	-1.2247525511

gene_expression_table

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1.2231451982	0.2310652934	0.9999537652	1.1646150158
-1.0345852564	0.7798145022	0.9999537652	1.0660679311
1.3064100778	0.4689158932	0.9999537652	-1.0747216812
2.1077739145	0.2653322096	0.9999537652	-1.0355383115
-1.4793459569	0.2178485357	0.9999537652	-1.0690524939
0	0	0	9.7116702472
1.8816342439	0.216566109	0.9999537652	1.228767494
1.0530778882	0.8456091488	0.9999537652	-1.3774005225
1.2209655098	0.213487925	0.9999537652	-1.036112813
1.0435945408	0.87820214	0.9999537652	-1.3109588781
-1.0849393848	0.7154511402	0.9999537652	-1.0485371829
-2.9548384089	0.3320356365	0.9999537652	0
-1.0156822469	0.9490469311	0.9999537652	-1.9543770932
8.064174035	0.4193233519	0.9999537652	-2.1302390584
1.0441365929	0.8774567076	0.9999537652	1.263520793
0	0	0	9.7116702472
-1.2742713741	0.741750854	0.9999537652	-1.0595590983
2.2827468184	0.2949241459	0.9999537652	-4.0137283111
1.3766897199	0.1378843191	0.9999537652	1.2162449357
2.1527660067	0.001218	0.9999537652	1.0279068361
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-1.6479062862	0.2504451174	0.9999537652	-1.1149655531
1.2792732586	0.2044816439	0.9999537652	1.1272415695
1.1907196182	0.4883574483	0.9999537652	1.9569263205
-1.1353647453	0.6163608574	0.9999537652	-1.3315481694
1.2955970728	0.1914148741	0.9999537652	-1.1989476149
1.2984791627	0.1331481461	0.9999537652	1.1777778501
-1.207347084	0.4103218259	0.9999537652	-1.3236435604
-1.0315434734	0.8371232326	0.9999537652	-1.3110157555
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1.1316185042	0.7110613521	0.9999537652	-1.2399398533
-1.1457847193	0.9113769398	0.9999537652	9.7116702472
1.2096399056	0.5646164549	0.9999537652	1.0727372764
6.3075231393	0.4852412867	0.9999537652	-4.8059548358
-1.4102132064	0.4886247623	0.9999537652	-1.3938181653
-1.0606362831	0.6956012866	0.9999537652	-1.1298364197
2.1650257591	0.3957180379	0.9999537652	2.9985540909
1.2479349758	0.2949638421	0.9999537652	-1.0380379978
1.0499381996	0.6673164377	0.9999537652	1.0912322027
-1.0225789549	0.9445092791	0.9999537652	-1.0222204389
1.043101863	0.8638792068	0.9999537652	1.0222708069
-1.3369663034	0.1304068318	0.9999537652	-1.25017036
-1.0044497915	0.9907702844	0.9999537652	1.1823257365
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1.8686704283	0.4506424113	0.9999537652	1.4195464433
-1.5880958314	0.3400877239	0.9999537652	1.0132271448
-1.270562122	0.2753244788	0.9999537652	-1.1795331513
-1.3204269266	0.4200643299	0.9999537652	-1.5265388131

gene_expression_table

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3.8622037496	0.6194029705	0.9999537652	0
-1.2196401939	0.1320431036	0.9999537652	-1.1539340775
-1.2607293934	0.6736917417	0.9999537652	-1.0763957721
-2.4377475547	0.0160115123	0.9999537652	1.1330996428
1.2498870213	0.2745204609	0.9999537652	-1.2776170875
2.4143254621	0.1247846832	0.9999537652	1.8081208762
-1.7293265403	0.4355204193	0.9999537652	-1.2809257219
3.0189841269	0.1037183763	0.9999537652	-1.5470541076
1.0066570173	0.9923896849	0.9999537652	-1.5719718188
-17.0527724669	0.1063660528	0.9999537652	-1.859280336
-1.2356571081	0.0969574853	0.9999537652	-1.0685616283
-1.1418633071	0.5237493171	0.9999537652	1.1783204451
1.0102613121	0.9643936247	0.9999537652	-1.1448643895
1.1611759353	0.4829989044	0.9999537652	-1.0937265607
-1.0268470296	0.8868303152	0.9999537652	-1.0211322999
1.334958699	0.3352230142	0.9999537652	-1.378565536
1.3417664133	0.2180465002	0.9999537652	1.0041849578
-1.3120680583	0.3374807224	0.9999537652	1.0386943992
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0	0	0	4.9527501949
-1.0199370498	0.8752249717	0.9999537652	1.1711170835
-1.1451054031	0.5255906467	0.9999537652	1.0156013297
1.5616557332	0.3263259699	0.9999537652	-1.2363599305
-1.010378892	0.9810184155	0.9999537652	1.1279243293
-1.164088214	0.3256578925	0.9999537652	-1.2346462956
1.392424055	0.0917604727	0.9999537652	1.0757666433
-1.2110226476	0.6911343772	0.9999537652	1.6764330611
-1.3044732667	0.7563770174	0.9999537652	1.1591954369
1.0590049173	0.6984952954	0.9999537652	-1.0510870327
4.5505976667	0.5557790267	0.9999537652	6.908559683
-2.4799918249	0.0124168696	0.9999537652	-1.5771444742
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-2.0066854809	0.0726506836	0.9999537652	-1.10558782
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-3.7442675911	0.0497470251	0.9999537652	1.4856749753
9.8205505243	0.381261333	0.9999537652	-15.5945848976
-1.1284709041	0.5380490346	0.9999537652	-1.0869786006
-2.6399157167	0.3173634304	0.9999537652	-1.8673517833
1.1771203451	0.395979467	0.9999537652	-1.1316576448
0	0	0	-2.222435925
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-1.2577124827	0.2581963069	0.9999537652	-1.8162844319
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1.1001460438	0.7460478559	0.9999537652	1.2671511582
1.1029820449	0.6932844392	0.9999537652	-1.1847361501
-1.0157131754	0.9230344106	0.9999537652	-1.0550119014
-1.015161324	0.9178886146	0.9999537652	-1.7219734033
1.4098308678	0.3478319002	0.9999537652	-1.0411656692

gene_expression_table

0	0	0	10.818785458
0	0	0	4.9527501949
0	0	0	-5.3583704783
1.3765758161	0.544052857	0.9999537652	-1.1256227609
-1.1532512476	0.7985494227	0.9999537652	2.0636487513
1.8761040358	0.2582301484	0.9999537652	-1.393553444
-1.0481751604	0.8867066185	0.9999537652	-1.2237436856
-1.1104845875	0.4697769365	0.9999537652	1.0523998732
1.345923943	0.3844384625	0.9999537652	-1.1753043794
1.1135180875	0.5339761643	0.9999537652	1.1416410478
1.8373097308	0.4508328576	0.9999537652	-2.5401817516
-1.2895081652	0.193663793	0.9999537652	1.0959337861
-1.0330319854	0.9253703569	0.9999537652	1.0366893556
-1.0406514179	0.8530789912	0.9999537652	1.081990147
-1.144585995	0.4545167067	0.9999537652	-1.045769983
-1.214822317	0.6581178543	0.9999537652	1.2066463783
1.6642583336	0.2097999134	0.9999537652	-1.1332909573
-1.1361797731	0.4710123443	0.9999537652	1.0772114024
-1.2411090088	0.1521071615	0.9999537652	1.081070195
-1.0593151771	0.8215478746	0.9999537652	-1.567703606
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1.208704874	0.3307084104	0.9999537652	-1.0711267175
0	0	0	2.9985540909
0	0	0	1.2400291296
1.1025279052	0.7411250533	0.9999537652	-1.092829959
-1.1039276934	0.571996538	0.9999537652	-1.4673057872
1.1264249507	0.7874515889	0.9999537652	1.5283555043
-2.3929677766	0.1709044729	0.9999537652	-1.2860377464
3.7985791816	0.2499436608	0.9999537652	-2.1744673066
0	0	0	6.908559683
-1.0670788264	0.6665896935	0.9999537652	-1.2411495764
4.5505976667	0.5557790267	0.9999537652	-1.3587293308
-1.713314385	0.4942542716	0.9999537652	-1.1192843301
-4.5374012562	0.0439028396	0.9999537652	-1.1726268366
-2.9548384089	0.3320347989	0.9999537652	3.6971811836
2.7933974408	0.6948713406	0.9999537652	2.9985540909
1.1250543471	0.6041301734	0.9999537652	1.0756585411
1.4899610928	0.1469978645	0.9999537652	-1.4322353
1.029417669	0.8207619124	0.9999537652	-1.1229442873
1.9257237851	0.4119406519	0.9999537652	-1.4602762239
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1.1394226192	0.7235795986	0.9999537652	-1.2385059546
2.3256471815	0.1785262566	0.9999537652	-1.1070345832
-1.2228679769	0.1931591571	0.9999537652	-1.3114339991
1.2043597123	0.4011839477	0.9999537652	-1.0129665659
1.1259226368	0.5733641573	0.9999537652	-1.1523081806
1.1922709584	0.290010515	0.9999537652	1.0738134296
1.0317763013	0.8426344875	0.9999537652	1.6562393951
-1.2114213602	0.4043430392	0.9999537652	1.0162490856

gene_expression_table

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1.2349787261	0.3828078129	0.9999537652	1.3086932652
0	0	0	1.1354046367
2.7933974408	0.6948713406	0.9999537652	1.3101765491
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2.7957660672	0.705502207	0.9999537652	-2.6248262166
1.4029703146	0.5259625967	0.9999537652	1.5010337023
1.1225627191	0.4037246196	0.9999537652	1.2631810827
1.1811480828	0.5805774794	0.9999537652	-1.6102876173
8.064174035	0.4193294559	0.9999537652	1.4357352596
1.3588921917	0.799737259	0.9999537652	10.818785458
-1.2202318239	0.7324022135	0.9999537652	-1.0461018666
1.1236237983	0.4259764678	0.9999537652	-1.2619607446
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2.7933974408	0.6948713406	0.9999537652	-9.7554110723
2.7933974408	0.6948713406	0.9999537652	0
6.3128691894	0.4808960613	0.9999537652	0
11.5766527773	0.3453604812	0.9999537652	-2.1294907556
1.2319279711	0.37693661	0.9999537652	-1.6832496079
1.3154794667	0.1498239394	0.9999537652	-1.2384697077
1.7065609388	0.0826933768	0.9999537652	-1.3153603421
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-1.2393765322	0.1751305958	0.9999537652	-1.3043577061
-1.1002525041	0.5207087799	0.9999537652	-1.2353178773
-1.4772849924	0.1422745918	0.9999537652	-1.1062512672
-1.7155763775	0.5413192404	0.9999537652	2.2942711679
4.5505976667	0.5557790267	0.9999537652	-1.9072087437
-1.0659181843	0.6261836128	0.9999537652	-1.1438406256
1.1763867606	0.5431205597	0.9999537652	1.1258456249
1.7385979073	0.3109535202	0.9999537652	-1.8122170016
1.0174927746	0.9415196219	0.9999537652	-1.1587235065
1.1162834585	0.9273396232	0.9999537652	10.8337816869
8.064174035	0.4193355693	0.9999537652	1.590997316
-1.5473884214	0.1316467169	0.9999537652	-1.4665734572
1.4051186348	0.0768603959	0.9999537652	1.2093502298
-1.3137642683	0.6668299424	0.9999537652	-1.2102268229
4.5505976667	0.5557790267	0.9999537652	33.3754495834
-1.5783503792	0.5297238837	0.9999537652	-1.616488444
-2.065175426	0.2150273517	0.9999537652	-1.0466447002
-1.9702891638	0.0798160463	0.9999537652	1.0039139339
-1.1011409245	0.5697092134	0.9999537652	-1.2278578401
0	0	0	1.7042814026
1.8357580406	0.0278021424	0.9999537652	1.2575807613
7.6841730958	0.0528755818	0.9999537652	-1.1618546036
-1.1139243258	0.3756516541	0.9999537652	-1.1283332336
1.2342967253	0.7628312814	0.9999537652	-1.1088878398
6.3130691196	0.4798469433	0.9999537652	-2.1294907556
1.17757233	0.3600702569	0.9999537652	1.1092867724
4.5545995984	0.5696579243	0.9999537652	9.7116702472

gene_expression_table

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4.5505976667	0.5557790267	0.9999537652	-3.3822687648
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2.3077154233	0.2685512486	0.9999537652	1.2283827455
0	0	0	1.4514511122
-1.4431747638	0.3202592949	0.9999537652	-1.4159530023
-1.3129493191	0.1060663274	0.9999537652	-1.1002063844
-1.3070344795	0.3699780667	0.9999537652	-1.0828575686
1.1041992656	0.5426916107	0.9999537652	-1.0814952784
-2.5861438062	0.4721076244	0.9999537652	-2.6399253151
1.6200274653	0.1445362676	0.9999537652	1.0032699964
1.0220442395	0.9630983943	0.9999537652	-1.366228589
0	0	0	0
-1.0089195645	0.9925494358	0.9999537652	1.3561873216
-1.8237103933	0.5664269327	0.9999537652	-1.649233751
-1.7569468604	0.0933338279	0.9999537652	-1.3266223117
-1.5437484553	0.2083675897	0.9999537652	1.0706429242
-1.003882893	0.9883992714	0.9999537652	-1.0846844381
-1.4574462276	0.3272496935	0.9999537652	-1.7240293712
1.2386374862	0.1880530826	0.9999537652	-1.2275731672
-1.3611809183	0.660749763	0.9999537652	-1.0296106127
-1.0048668959	0.9812028488	0.9999537652	1.1431506756
1.3347485961	0.0698637007	0.9999537652	1.0928060342
-1.3917747917	0.6970489516	0.9999537652	-1.4706174584
2.0885615936	0.5188097351	0.9999537652	1.4527805491
1.1812385199	0.1425927911	0.9999537652	1.2212962458
-1.040046278	0.8633741762	0.9999537652	-1.0293235933
3.6560415165	0.0350336184	0.9999537652	1.0075827047
0	0	0	0
1.3832036905	0.7447508225	0.9999537652	-1.1204482161
1.1168981342	0.6024939848	0.9999537652	1.0371481598
-1.2125935268	0.7139683215	0.9999537652	1.5070950561
1.1057535685	0.6980353007	0.9999537652	1.0965873212
2.7933974408	0.6948713406	0.9999537652	-2.2275543816
0	0	0	6.908559683
0	0	0	2.996475627
-1.070697391	0.7101742083	0.9999537652	-1.2380109474
0	0	0	12.7820459093
1.8900501345	0.0637304322	0.9999537652	1.7863340122
1.2152319459	0.2921953334	0.9999537652	-1.021906891
-1.261684088	0.6951476887	0.9999537652	1.3066084358
27.4155731128	0.1963476416	0.9999537652	-1.3876714084
9.8205505243	0.3812663801	0.9999537652	0
-4.3214691297	0.1498150591	0.9999537652	12.7820459093
1.5618236382	0.4052027396	0.9999537652	1.0090123198
-1.0274047275	0.9108363187	0.9999537652	-1.0773432321
3.0602334741	0.3280640279	0.9999537652	3.1847673229
1.1350793029	0.5036453881	0.9999537652	1.046744879

gene_expression_table

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3.0590680122	0.3354937932	0.9999537652	22.424363668
1.0785304702	0.7400926007	0.9999537652	1.1072320158
1.8615850356	0.0007879	0.9999537652	-1.2057380758
2.3315363418	0.4571079906	0.9999537652	-1.5289664635
1.1225440058	0.5933175895	0.9999537652	-1.3082795106
-1.1378669652	0.4633405051	0.9999537652	-1.017279228
1.0358174347	0.8707262662	0.9999537652	1.1132979619
1.1271822705	0.696000932	0.9999537652	1.2273233034
-1.2874099099	0.2156395149	0.9999537652	-1.0958479888
-1.0025664452	0.9828788022	0.9999537652	1.0179357948
1.1132252094	0.7570251326	0.9999537652	-1.0764252542
2.0539087089	0.1034438612	0.9999537652	1.0520849078
0	0	0	10.818785458
1.6783510795	0.0331886958	0.9999537652	1.0493849037
1.0217691486	0.9051516279	0.9999537652	-1.366962936
1.1007449551	0.6637639136	0.9999537652	1.1286045855
1.3278551105	0.1755529553	0.9999537652	-1.1212516947
-1.4479386307	0.044979365	0.9999537652	1.0662499599
1.1059703615	0.7632206757	0.9999537652	-1.1425153632
-1.1343361967	0.5506079848	0.9999537652	-1.3697880257
1.0455120441	0.8935559769	0.9999537652	1.1412925518
-1.3632333972	0.1976959166	0.9999537652	-1.000491132
-1.0518507437	0.8714302116	0.9999537652	-1.0162859083
1.3473247044	0.5156250212	0.9999537652	-1.4097915498
-1.8462877751	0.3514459803	0.9999537652	-1.106512183
-1.7135297713	0.2033277488	0.9999537652	-1.3261191407
2.8279434874	0.0884588012	0.9999537652	1.0014601474
1.0794086068	0.8103717937	0.9999537652	-1.3406927006
6.3075231393	0.4852317874	0.9999537652	4.0510214676
-1.1004355672	0.6384500706	0.9999537652	1.1344998886
-1.0513856881	0.8410598082	0.9999537652	-1.0595443462
-1.1880775569	0.5391318769	0.9999537652	1.0122145576
-1.4531411845	0.6040252215	0.9999537652	1.3988325769
-1.0272270355	0.9188219939	0.9999537652	1.189863323
-1.0911433338	0.7392100051	0.9999537652	1.4941039635
1.0184031377	0.9544259811	0.9999537652	1.3274266497
1.6754456997	0.4292795127	0.9999537652	-1.3590484476
-1.0681648186	0.8667077161	0.9999537652	-2.7352741074
-1.5069259724	0.1708941601	0.9999537652	-1.6119944413
-1.1457847193	0.9115501622	0.9999537652	2.996475627
-2.0058375128	0.1046722166	0.9999537652	1.7148712287
-1.5881166222	0.7196052286	0.9999537652	-2.2809262314
-1.0465915848	0.8435670874	0.9999537652	1.3985782511
-1.0619267211	0.9009311065	0.9999537652	1.2811802077
2.0354520887	0.4471243048	0.9999537652	-2.0467835026
2.2186454522	0.2011907431	0.9999537652	-1.2524890471
-1.0469169629	0.9634396732	0.9999537652	-1.3307652929

gene_expression_table

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4.5505976667	0.5557790267	0.9999537652	4.9561842702
0	0	0	2.996475627
0	0	0	2.9988886918
-1.346787305	0.4562749508	0.9999537652	1.1800101661
-1.968160983	0.0310227399	0.9999537652	1.1300568683
0	0	0	33.3754495834
1.1162834585	0.9274601222	0.9999537652	0
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-1.7432752692	0.4032918419	0.9999537652	-1.2500975743
1.054362661	0.8383353599	0.9999537652	1.0405332398
1.1683700158	0.4441430442	0.9999537652	-1.0709738031
46.6807036647	0.1309531656	0.9999537652	1.6303647068
1.1418371148	0.4430620805	0.9999537652	-1.1583004765
2.2760937505	0.2561300108	0.9999537652	1.2071735423
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1.3407294023	0.1134917926	0.9999537652	1.2958251832
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3.3058503755	0.2779758097	0.9999537652	-1.3069793515
2.0642641853	0.0476652242	0.9999537652	1.007250981
0	0	0	0
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1.3057267165	0.6334500042	0.9999537652	-1.8758407561
1.0947414544	0.6152839268	0.9999537652	-1.1005854725
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1.6017137321	0.5052569949	0.9999537652	-2.1800718368
1.0345456238	0.9701489939	0.9999537652	-1.4229595386
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-1.2732611382	0.1456586417	0.9999537652	-1.2342315982
1.8464200217	0.5964582209	0.9999537652	1.1256010339
-1.1948881021	0.4745291684	0.9999537652	-1.2907313712
1.4650376402	0.5859643184	0.9999537652	-1.5052536245
1.0970968203	0.6482464744	0.9999537652	1.1803377277
-1.1337697354	0.5702200452	0.9999537652	-1.0483733223
-1.2101741221	0.4250470731	0.9999537652	-1.4170877758
3.6274675349	0.062661038	0.9999537652	-1.3365115701
-1.1170265702	0.5481868017	0.9999537652	1.3486513305
1.1242358844	0.8721387441	0.9999537652	1.191154938
-3.2724810761	0.1892285141	0.9999537652	-1.047728856
1.0450406427	0.8917247236	0.9999537652	-1.3244605112
1.0402380815	0.9149863326	0.9999537652	-1.0168547654
-1.0222894065	0.9447608703	0.9999537652	-1.0558263916
1.3498440135	0.1933889798	0.9999537652	1.0542836883
1.0513712786	0.8884915418	0.9999537652	1.1368268503
-1.7856811462	0.0816335863	0.9999537652	-1.1526541247
0	0	0	20.6004768562
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gene_expression_table

1.63824064	0.1288061846	0.9999537652	-1.3224177195
2.7933974408	0.6948713406	0.9999537652	0
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2.0123068682	0.095779085	0.9999537652	1.2866242178
1.1537725945	0.7050030658	0.9999537652	-1.1828579189
-1.0681293201	0.8042453782	0.9999537652	-1.0309690345
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1.383157405	0.7358556793	0.9999537652	1.0666207935
1.0190248587	0.9233308807	0.9999537652	-1.0724420454
1.1384004922	0.5270511873	0.9999537652	1.2020665003
2.7933974408	0.6948713406	0.9999537652	-2.7911910562
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1.0469035417	0.8210274951	0.9999537652	-1.0209863603
1.1222280161	0.9093250984	0.9999537652	-1.7642364482
1.2300465216	0.408886445	0.9999537652	1.1981906556
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-1.02571069	0.9167627597	0.9999537652	-1.147805551
2.9503019035	0.2026001842	0.9999537652	-1.6731571458
-1.3377354311	0.3157103065	0.9999537652	1.017263506
2.1324144008	0.1810798079	0.9999537652	1.1498623554
-1.1427778392	0.6932194056	0.9999537652	1.2895122884
1.1543555604	0.5186048315	0.9999537652	-1.7172902327
-1.046888968	0.7477368737	0.9999537652	-1.0870376858
-1.1053764341	0.599254403	0.9999537652	-1.0932685909
1.0887865237	0.5546575928	0.9999537652	1.1228074594
0	0	0	2.996475627
1.0199396468	0.9460299257	0.9999537652	-1.0800440071
0	0	0	0
1.3159538127	0.1190906353	0.9999537652	1.0950264229
4.5505976667	0.5557790267	0.9999537652	-1.6624136632
1.2754757452	0.6085797021	0.9999537652	1.5893507858
1.1134440428	0.3954590699	0.9999537652	1.0177269216
-1.3806680149	0.0765388777	0.9999537652	-1.3130578669
1.1086291888	0.673056313	0.9999537652	-1.2945775116
11.5864583426	0.3447824979	0.9999537652	-1.9360727542
0	0	0	-1.1242401582
2.701471957	0.2702272836	0.9999537652	-1.4346156636
1.0273120224	0.8612440592	0.9999537652	2.0203657024
3.1209897832	0.0161429559	0.9999537652	1.9326334757
15.1008094413	0.2915801219	0.9999537652	8.8639046058
2.9458943806	0.0139292031	0.9999537652	1.4181845008
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1.3747748923	0.1479652789	0.9999537652	1.1059389326
2.4994474338	0.1264476835	0.9999537652	-1.2389082909
-1.2717832802	0.7774354067	0.9999537652	2.4881108915

gene_expression_table

-1.6844643939	0.1141540222	0.9999537652	1.1588655246
18.5983228161	0.2588999519	0.9999537652	1.2125664034
1.7371865656	0.4486353557	0.9999537652	1.2776901668
1.0457666265	0.8411081061	0.9999537652	-1.0463267697
1.3588921917	0.7996041584	0.9999537652	-2.7864308214
-1.4841110134	0.3734004535	0.9999537652	-1.2414239924
-1.5990709095	0.3460143768	0.9999537652	1.0257700707
1.80267916	0.4093718283	0.9999537652	2.1548787182
-1.5102607004	0.0351109537	0.9999537652	-1.1135364169
11.5766527773	0.3453724053	0.9999537652	-1.6210814782
1.1612717392	0.3350069669	0.9999537652	1.03514426
1.3069608346	0.73779073	0.9999537652	2.4810553188
1.06078406	0.7024707728	0.9999537652	-1.0229287615
1.9156018173	0.300588126	0.9999537652	1.1126092251
9.8205505243	0.3816478295	0.9999537652	-1.221605188
2.7957660672	0.7055045776	0.9999537652	2.996475627
2.5705379464	0.0188934062	0.9999537652	1.1927603811
5.6954555782	0.003474	0.9999537652	3.3172145292
4.2651728822	0.001788	0.9999537652	1.3615461777
2.8162276504	0.366827699	0.9999537652	-2.9704130837
-6.9762758667	0.2572121796	0.9999537652	2.2926838869
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1.1600132444	0.6069677958	0.9999537652	-1.0168943843
-1.03975212	0.8525472231	0.9999537652	1.0044624578
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1.737981082	0.161613865	0.9999537652	1.0430641248
-1.8590077338	0.0870649945	0.9999537652	-1.2120560827
1.0599363666	0.7130139276	0.9999537652	-1.1992998236
-1.0860286715	0.7018497481	0.9999537652	1.1177445677
-1.3306509057	0.2407273136	0.9999537652	-1.0255575343
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1.002202007	0.9922829549	0.9999537652	1.2057107994
-1.1440835562	0.5228302509	0.9999537652	1.0730330732
0	0	0	2.996475627
-2.0042093694	0.4615758655	0.9999537652	-1.1636261403
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0	0	0	16.7037438866
1.1041811368	0.6349566373	0.9999537652	1.1627002836
1.0067443913	0.9758270117	0.9999537652	-1.1546099183
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-1.0532663664	0.8158126567	0.9999537652	-1.0796574466
-1.2514084948	0.2267340049	0.9999537652	-1.0485520336
16.296263041	0.2962347823	0.9999537652	-1.466151735
-1.1763671393	0.4339658541	0.9999537652	1.3306437674
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-1.0155937669	0.9480379185	0.9999537652	1.063304543

gene_expression_table

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1.1543216269	0.2541522921	0.9999537652	1.1655530138
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2.3306483975	0.4661126935	0.9999537652	1.0666207935
-1.1457555741	0.9106210146	0.9999537652	-1.8290769175
0	0	0	4.9527501949
16.8433158146	0.2737655673	0.9999537652	-1.4683576122
1.0536604232	0.6576492353	0.9999537652	1.1142435764
2.0056634044	0.1423428125	0.9999537652	1.1490567045
-1.3751395195	0.0774366041	0.9999537652	1.0148236347
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0	0	0	2.996475627
1.4063986972	0.0606552986	0.9999537652	-1.3119566425
2.3335098933	0.4401826908	0.9999537652	-1.1241083699
1.839484446	0.2645089588	0.9999537652	-1.1387671852
1.0876049784	0.7711459915	0.9999537652	-1.0759801931
0	0	0	2.9985540909
6.3075231393	0.4852222955	0.9999537652	-1.7809308717
2.8162992884	0.3667120061	0.9999537652	-1.0942329492
1.1677464601	0.6392231997	0.9999537652	-1.3407836056
-2.5861438062	0.4732359327	0.9999537652	44.0115004274
0	0	0	0
1.0557507578	0.6751093692	0.9999537652	-1.2821701016
4.5505976667	0.5557790267	0.9999537652	0
1.5969197685	0.0121216223	0.9999537652	-1.4763747302
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-1.0908276674	0.6718033531	0.9999537652	-1.1396370742
8.064174035	0.4193416922	0.9999537652	22.5383525416
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1.0369656959	0.8340166371	0.9999537652	-1.0000012186
-1.2377843894	0.6093826736	0.9999537652	-1.3350229505
-1.0230277198	0.857115768	0.9999537652	-1.0057990478
1.2911318369	0.6968318206	0.9999537652	1.1159520636
4.5505976667	0.5557790267	0.9999537652	3.7228836277
-1.3697196358	0.7436595474	0.9999537652	2.996475627
-1.1848732952	0.281527617	0.9999537652	-1.0519660874
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2.7957660672	0.7055069491	0.9999537652	0
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-2.4409066979	0.0157049425	0.9999537652	1.1014119819
0	0	0	2.996475627
-1.2689832482	0.3359471239	0.9999537652	3.2731217557
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1.0524988558	0.6770562046	0.9999537652	1.1106426934
1.2154426353	0.5667666207	0.9999537652	-1.16496205
-1.0899406675	0.6910372511	0.9999537652	-1.136175307
0	0	0	1.2277336482
1.6692396298	0.1212130209	0.9999537652	1.2003199654

gene_expression_table

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-1.5989325897	0.1096827162	0.9999537652	1.0456781294
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-3.1190154029	0.2770687298	0.9999537652	-1.1599986346
-1.0301002711	0.8433618254	0.9999537652	-1.1797958323
-1.0052760915	0.9894664973	0.9999537652	-1.2585898004
-1.0656346646	0.8147681085	0.9999537652	-1.1695895831
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.5259976099	0.0680113431	0.9999537652	-1.546339139
0	0	0	2.996475627
1.4210838424	0.0348187149	0.9999537652	-1.7060576568
-1.5875118025	0.7201580292	0.9999537652	20.6027844127
2.7933974408	0.6948713406	0.9999537652	-1.1606649125
1.1812620667	0.6386954592	0.9999537652	-1.1010701503
-1.7239935755	0.0972538552	0.9999537652	1.1045138456
1.1028881939	0.6981415636	0.9999537652	-1.223676494
1.2559353002	0.35037501	0.9999537652	-1.1473970482
1.1162834585	0.9277159244	0.9999537652	-1.8594983184
-1.1039491595	0.6726255246	0.9999537652	-1.1470625326
3.1875904576	0.0323072714	0.9999537652	-1.1088528593
-1.190387193	0.3312486124	0.9999537652	-1.0978619391
1.2949104594	0.365808996	0.9999537652	1.5963482859
0	0	0	-2.4096087603
-1.5650679954	0.1541124997	0.9999537652	-1.1641581635
1.2992021391	0.2371721661	0.9999537652	1.1745119525
3.8622037496	0.619341334	0.9999537652	0
-1.387029126	0.5046458487	0.9999537652	1.0506525768
-1.161430603	0.8783984966	0.9999537652	1.3961707382
2.3326360255	0.4521370209	0.9999537652	-1.316866097
2.2674233494	0.1898486642	0.9999537652	1.0948982875
-1.0121266589	0.9503324809	0.9999537652	1.0097969468
-4.3217318489	0.1708182022	0.9999537652	-1.158117308
1.0438066479	0.8664921502	0.9999537652	-1.2028165095
-1.0195651651	0.9279617129	0.9999537652	-1.2738053713
1.5659221626	0.3961885671	0.9999537652	1.314719452
1.058142182	0.7209152455	0.9999537652	-1.0776164224
-17.0527724669	0.1063548552	0.9999537652	-1.3590484476
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0	0	0	4.9561842702
1.0168611786	0.93290619	0.9999537652	-1.1013467357
22.1075168104	0.2295008652	0.9999537652	-1.9620219724
-1.7176229898	0.5174147387	0.9999537652	3.4611114442
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1.0367300283	0.7764224752	0.9999537652	1.0282268827
11.5766527773	0.3453843422	0.9999537652	-1.4286012664
-1.0937621337	0.4891450831	0.9999537652	-1.2078102484
-1.0299628598	0.8629764745	0.9999537652	1.3082566609
1.0080937575	0.9697128826	0.9999537652	1.1600397245
-1.0754922775	0.8699612824	0.9999537652	1.2696468831

gene_expression_table

-1.0663320497	0.8897806168	0.9999537652	-1.2235634669
-1.2438524431	0.5002728272	0.9999537652	-1.3512838194
-1.3047656289	0.4847595586	0.9999537652	1.5875171767
1.4218452648	0.1483491389	0.9999537652	-1.0152102617
0	0	0	2.9985540909
18.5983228161	0.2588803694	0.9999537652	-1.3445118518
-1.8012851692	0.2031318419	0.9999537652	-1.2595893966
1.0900268301	0.7331241983	0.9999537652	1.0557461212
-1.3451228325	0.3171990737	0.9999537652	1.0091017354
-1.211949769	0.6069438586	0.9999537652	1.085874827
-1.468246697	0.2989237541	0.9999537652	1.7249496821
-1.6322470252	0.3724814928	0.9999537652	-1.9313985451
2.2885357703	0.2771135587	0.9999537652	1.3106201703
1.118417687	0.7504042898	0.9999537652	-1.1199226122
-1.1060323543	0.6099505415	0.9999537652	-1.811449099
1.2531151052	0.1265882593	0.9999537652	-1.2157291683
13.3324809638	0.3193505869	0.9999537652	2.6452318482
1.2393646862	0.2826186877	0.9999537652	1.0792247985
1.2565549207	0.2408121205	0.9999537652	-1.2193996967
-1.2922465961	0.3812300655	0.9999537652	-1.1845953322
1.1224466517	0.5808666328	0.9999537652	-1.0001468923
-1.6006511709	0.3244533117	0.9999537652	-1.3860350062
1.3025788871	0.7330718572	0.9999537652	1.4012418682
-1.2054828867	0.3685891572	0.9999537652	1.4459939108
-1.1778378824	0.6248772099	0.9999537652	-1.5801387112
-6.5296045739	0.1275936128	0.9999537652	-1.4371079004
0	0	0	-1.1124408841
-1.884506258	0.3396400481	0.9999537652	-1.7284443593
-1.1930553883	0.3393180569	0.9999537652	1.0254753524
-1.1594602839	0.8874951963	0.9999537652	1.6659944801
0	0	0	2.996475627
-1.014102456	0.9466434524	0.9999537652	-1.0893504391
4.5505976667	0.5557790267	0.9999537652	3.3469034948
1.4796250031	0.6369429881	0.9999537652	1.4118490176
1.0643403978	0.8614155696	0.9999537652	-1.0805393413
-1.1890288123	0.2979574003	0.9999537652	-1.1160985872
-1.1317263623	0.7724208764	0.9999537652	1.4601248216
5.0059881963	0.1255295171	0.9999537652	-1.3850093291
-1.3236385671	0.2274943763	0.9999537652	-1.1393812462
23.8818846228	0.2166969769	0.9999537652	-1.0450563444
-1.1709862367	0.5865384144	0.9999537652	-1.1051436399
2.7933974408	0.6948713406	0.9999537652	0
-1.1376883721	0.821009146	0.9999537652	1.0061446883
-1.1638905218	0.495493245	0.9999537652	1.0809047125
-1.1960205762	0.6317515885	0.9999537652	-1.2345870015
-1.4154799939	0.2528628	0.9999537652	-1.3519777413
1.1020620886	0.7426996882	0.9999537652	1.354993556
-1.1966477219	0.3992123191	0.9999537652	1.1559025492
-1.8175467381	0.1636194653	0.9999537652	-1.0287589877

gene_expression_table

-1.4228647442	0.4770381833	0.9999537652	-1.3267336889
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130.8067674395	0.0542346844	0.9999537652	1.6972074939
-1.0218604174	0.8501676115	0.9999537652	1.1071593411
2.0877130777	0.5308629928	0.9999537652	-1.6574346079
1.0898819289	0.7438062779	0.9999537652	-1.0293650637
0	0	0	2.996475627
1.1594390706	0.4799729835	0.9999537652	-1.1888758789
1.6018881045	0.6925261145	0.9999537652	4.9567375629
-1.4137205962	0.384366144	0.9999537652	1.1975499493
-1.0604282475	0.6707851286	0.9999537652	-1.2925926736
-1.0731789005	0.5605700415	0.9999537652	-1.17764975
1.8986710575	0.1957800346	0.9999537652	1.0261034196
0	0	0	2.996475627
1.1991423283	0.6692854827	0.9999537652	1.0795303638
-1.069299774	0.7851731037	0.9999537652	-1.2190727012
9.8205505243	0.3816603866	0.9999537652	6.908559683
1.4851550397	0.2509385523	0.9999537652	-1.1787998522
1.0202390615	0.9535426111	0.9999537652	-1.3563068967
1.0953279185	0.6561554564	0.9999537652	1.0898749356
1.1065498649	0.5965777103	0.9999537652	-1.4429187773
1.1412291911	0.5355483972	0.9999537652	1.1668477171
-1.0117579392	0.9514941669	0.9999537652	1.0132655071
1.1041551707	0.7432042715	0.9999537652	-1.1141218681
9.8205505243	0.3816729323	0.9999537652	1.1330498456
-6.9736190158	0.2250321147	0.9999537652	4.9567375629
0	0	0	1.0666207935
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
2.7933974408	0.6948713406	0.9999537652	-2.0477227478
1.0011405924	0.9955618512	0.9999537652	1.1656591249
-1.0538156238	0.6787151398	0.9999537652	-1.2151614857
1.1146826657	0.6206701915	0.9999537652	-1.0985877053
-1.3101654085	0.1512173926	0.9999537652	-1.0148378174
0	0	0	1.2408886006
-3.1179374904	0.2575217728	0.9999537652	2.4147444764
0	0	0	2.996475627
9.8205505243	0.3816873261	0.9999537652	10.818785458
-1.4346235745	0.5723253943	0.9999537652	-1.4943570592
1.1162834585	0.9279619253	0.9999537652	0
-1.1330468105	0.3518649723	0.9999537652	-1.1613274798
-1.0001811849	0.9989670012	0.9999537652	-1.0793454031
1.3366597161	0.0983213379	0.9999537652	-1.0888440415
1.1366182375	0.4864976137	0.9999537652	-1.3416467371
1.3920227785	0.3377244458	0.9999537652	1.1178573431
-1.5101047647	0.0626453437	0.9999537652	1.2449438635
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	-2.0477227478
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-1.5783001323	0.5359474909	0.9999537652	1.7460170926

gene_expression_table

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9.8205505243	0.3819497662	0.9999537652	-1.1242401582
-1.7293496257	0.1449292804	0.9999537652	-1.2089304571
2.7933974408	0.6948713406	0.9999537652	-1.3598304575
4.5505976667	0.5557790267	0.9999537652	5.0961124596
1.1246813911	0.8864180307	0.9999537652	2.9979638378
1.0428711823	0.8923404686	0.9999537652	-1.24274376
1.1091496219	0.5107663111	0.9999537652	-1.0344127523
-1.0831716006	0.7284964134	0.9999537652	1.1968509925
-1.1109620866	0.6210817043	0.9999537652	1.0525092926
1.2949597239	0.5716948647	0.9999537652	-1.5882223759
-1.0065930739	0.9741559938	0.9999537652	-1.26094063
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1.3180723625	0.5517009827	0.9999537652	-1.7185362769
1.9015109615	0.6235981582	0.9999537652	0
-1.3249168377	0.4171919463	0.9999537652	1.1293016654
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1.8771369955	0.1724053618	0.9999537652	1.3807731526
-1.0339643056	0.8538999336	0.9999537652	1.1656438395
1.577312308	0.1838344341	0.9999537652	-1.4394758639
-1.043681335	0.7500802766	0.9999537652	-1.0419488348
-1.093713204	0.4448763622	0.9999537652	-1.1140643091
1.5471365957	0.2334479395	0.9999537652	1.1063191396
-1.1603883193	0.431085157	0.9999537652	1.3591083287
2.7933974408	0.6948713406	0.9999537652	0
1.0969178476	0.6111636108	0.9999537652	1.3784304799
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0	0	0	-1.8582093966
1.179144353	0.46942354	0.9999537652	1.2997451959
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1.8979370239	0.310236851	0.9999537652	1.0304724424
1.0408170904	0.934351684	0.9999537652	1.3367792425
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-1.0620447609	0.8977311612	0.9999537652	1.1175283869
-1.1866782852	0.3418936627	0.9999537652	-1.035551104
-1.0604409414	0.812932722	0.9999537652	1.1873582987
1.0025315868	0.9858919404	0.9999537652	1.3325167164
1.2844507971	0.5727032843	0.9999537652	-1.5377004024
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1.6258890912	0.2063538032	0.9999537652	-1.1100608804
18.5983228161	0.2585399858	0.9999537652	1.811806509
1.0885861526	0.8530176513	0.9999537652	-1.1401632482
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1.3594099105	0.7968739818	0.9999537652	-3.3853891979

gene_expression_table

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0	0	0	14.7475552392
1.4188013253	0.0515677387	0.9999537652	-1.0750340929
13.3324809638	0.3193419097	0.9999537652	-3.6852522302
-1.0470886977	0.831074909	0.9999537652	1.1881344766
-2.8969127737	0.3395250449	0.9999537652	-1.1883486959
-1.186831757	0.5027649271	0.9999537652	-1.0430599337
1.0047906714	0.9792737114	0.9999537652	1.2633335371
1.1091391926	0.45096475	0.9999537652	1.0320865728
-1.1699825231	0.4717546029	0.9999537652	-1.3261010268
1.5156531293	0.6413221364	0.9999537652	1.0918431289
1.0003373048	0.9995270402	0.9999537652	-1.1354697632
1.0636295337	0.8133816572	0.9999537652	-1.006844365
-1.081586986	0.5320533455	0.9999537652	1.048929634
-1.105155594	0.6264372286	0.9999537652	-1.1521768735
1.1130728543	0.6344712728	0.9999537652	1.1376625313
-1.4657664736	0.083114812	0.9999537652	-1.1770987899
1.6367259986	0.0374841545	0.9999537652	1.3059307161
1.4334654888	0.4505777825	0.9999537652	1.345112118
1.6009138193	0.1460147534	0.9999537652	-1.2057336972
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1.3020070582	0.7501040856	0.9999537652	-1.19176092
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1.2710188429	0.4230682784	0.9999537652	1.0492733557
1.6154121672	0.0004657	0.9999537652	1.7735800293
0	0	0	2.996475627
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1.0160348504	0.9553901325	0.9999537652	1.3010502522
1.3275131029	0.5399991186	0.9999537652	1.0351854796
-1.0637253167	0.7677919161	0.9999537652	-1.1386820616
1.1162834585	0.9279861599	0.9999537652	5.3812467488
1.1661684552	0.6964289986	0.9999537652	1.2503386741
1.068067219	0.7334770771	0.9999537652	-1.159070428
-1.0206955143	0.9094414725	0.9999537652	-1.1553282619
1.9235077106	0.2042999889	0.9999537652	-1.2032064744
2.7933974408	0.6948713406	0.9999537652	8.9512754559
-1.0286637554	0.8445033628	0.9999537652	-1.1861786165
1.0382033736	0.8833349349	0.9999537652	1.2304326688
2.7762553073	0.0445748132	0.9999537652	-1.1929975499
-1.1111932047	0.5774848728	0.9999537652	-1.2231115995
-1.5077326167	0.3876487356	0.9999537652	-1.516837928
-1.4432991877	0.0783940072	0.9999537652	1.3363618797
-1.0829983138	0.715997839	0.9999537652	1.0640214169
-1.3320202714	0.1954118996	0.9999537652	1.0953594386
-1.0136562041	0.9396461931	0.9999537652	1.0088289106
1.2015200298	0.3685698079	0.9999537652	-1.4257010169
1.9936126395	0.5572200094	0.9999537652	-1.1267047693

gene_expression_table

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1.1029763937	0.6445973007	0.9999537652	-1.1028656347
1.8651774762	0.0316594066	0.9999537652	-1.0931641773
1.4630658602	0.5984399874	0.9999537652	-1.6434190706
1.4953186627	0.4274120244	0.9999537652	1.1445467728
1.0982265381	0.4707024162	0.9999537652	1.3768668301
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-1.1075405885	0.6839215187	0.9999537652	1.1422341192
-1.0578962542	0.8600898611	0.9999537652	-1.2064904094
1.1352054359	0.4792593869	0.9999537652	1.3679992151
2.0885615936	0.5186626856	0.9999537652	5.3165033614
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20.3530564257	0.2429739469	0.9999537652	-16.5082395846
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-1.0412515922	0.8307617642	0.9999537652	1.0937406329
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1.0833826809	0.6390380444	0.9999537652	-1.0859817795
-1.0714934623	0.645128514	0.9999537652	1.0974142947
-1.460992866	0.0384207436	0.9999537652	-1.1151679694
1.481754914	0.1795419133	0.9999537652	1.3160700047
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1.308402725	0.1300234957	0.9999537652	1.2814245214
-1.2307312453	0.7053299484	0.9999537652	-1.1079134319
-1.6560320481	0.3939888644	0.9999537652	8.6426265779
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1.7090181294	0.2900528811	0.9999537652	1.0051882092
2.7933974408	0.6948713406	0.9999537652	-1.1541475958
9.8205505243	0.3822070427	0.9999537652	2.996475627
8.064174035	0.4193478245	0.9999537652	0
37.9506346044	0.1516488587	0.9999537652	-1.321583129
-1.1204523193	0.4985095794	0.9999537652	-1.1264119773
-1.1457555741	0.9106046164	0.9999537652	-9.7542681481
249.5637219222	0.028511351	0.9999537652	-2.5964422649
-1.1375146148	0.5318922948	0.9999537652	1.2107812615
-1.3706824165	0.637970541	0.9999537652	1.0287051083
-1.3385478755	0.7110003247	0.9999537652	-1.1246693829
2.1598265017	0.1702870737	0.9999537652	-1.1757242868
0	0	0	1.0667457716
1.1875125807	0.1336346302	0.9999537652	1.2155856694
2.6862171381	0.2568232491	0.9999537652	1.8624192744
0	0	0	0
-1.1998967319	0.5490387246	0.9999537652	-1.4586789856
1.166715855	0.55486977	0.9999537652	1.1432838632
1.1550777531	0.7907732768	0.9999537652	2.6071338396
1.2379410704	0.5719919778	0.9999537652	1.1689131253
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2.7933974408	0.6948713406	0.9999537652	0

gene_expression_table

1.2145433703	0.3691555874	0.9999537652	-1.0176923122
-1.1739092263	0.4658680995	0.9999537652	-1.3510363071
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-1.3306046939	0.4984053163	0.9999537652	1.0165393545
1.1839179914	0.4719483696	0.9999537652	-1.04004813
-1.3039767968	0.7557538898	0.9999537652	-2.5918501576
1.1318814021	0.6903968921	0.9999537652	-1.688975049
-1.4878781745	0.166091953	0.9999537652	-1.2673951642
1.0302248064	0.8689379041	0.9999537652	-1.0881380904
-1.253858095	0.4634060959	0.9999537652	-1.0337605262
1.2911522073	0.1920092053	0.9999537652	1.3705116092
-1.0391283302	0.9365673212	0.9999537652	-1.077387845
-1.021220323	0.9608697004	0.9999537652	-1.1994448092
-1.5256790713	0.0836425367	0.9999537652	1.28358692
1.0513272264	0.7063721572	0.9999537652	1.0460781052
-1.0215098318	0.8801195233	0.9999537652	1.2327952832
1.298973715	0.2575337718	0.9999537652	-1.0381339434
1.366474448	0.1009585378	0.9999537652	-1.0725450289
-1.0357309229	0.8205681392	0.9999537652	1.0625298633
1.5915109622	0.068814288	0.9999537652	-1.1260856715
1.162565591	0.5672224773	0.9999537652	-1.2450889704
1.2117865278	0.1122545043	0.9999537652	1.8213282266
-1.1171876296	0.7058825058	0.9999537652	-1.3241170447
1.2173850991	0.7722437285	0.9999537652	-2.0184868898
-1.2683659373	0.2106354716	0.9999537652	-1.0855365705
2.1097000422	0.1161793699	0.9999537652	-1.7088382807
-1.1231451824	0.8623471835	0.9999537652	-1.3967867798
-1.2830789759	0.7153793686	0.9999537652	1.0737757585
4.5505976667	0.5557790267	0.9999537652	4.048242769
16.296263041	0.2962447536	0.9999537652	1.0301713759
-1.8932786066	0.007712	0.9999537652	1.1648018121
1.5137073316	0.6728341611	0.9999537652	1.1969806455
1.1018875973	0.6112305696	0.9999537652	-1.1018557963
-1.1471330499	0.2378934886	0.9999537652	-1.1474313514
-1.4615349616	0.1225041063	0.9999537652	1.102047612
-1.1265831123	0.5968698212	0.9999537652	-1.342678224
1.1463819113	0.4860299451	0.9999537652	1.0020840939
0	0	0	8.8639046058
1.0535076598	0.7744756521	0.9999537652	1.2081305367
-1.091840392	0.6915627046	0.9999537652	-1.4874014749
1.3041775569	0.7306542437	0.9999537652	-2.123711531
-1.0806523375	0.7074681211	0.9999537652	-1.1907578771
-1.0545652153	0.8978771021	0.9999537652	-1.2129588215
1.4043101181	0.5331759938	0.9999537652	-1.4649193108
-1.0846660344	0.6678563399	0.9999537652	1.0481972831
4.5505976667	0.5557790267	0.9999537652	2.8664963163
1.0916880155	0.7561540434	0.9999537652	-1.3295338654
-1.0872008538	0.8714047984	0.9999537652	-1.3338035496
-1.6994504307	0.5420730382	0.9999537652	-1.156904861

gene_expression_table

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1.0546059095	0.8686883958	0.9999537652	-1.2870901931
-1.0519015254	0.8269683051	0.9999537652	1.0295092211
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
1.2557228731	0.3836584167	0.9999537652	1.2551410583
11.5766527773	0.345396292	0.9999537652	1.1693470523
-1.369198268	0.7571957905	0.9999537652	1.6086304467
1.3923627432	0.6684487346	0.9999537652	1.4776337576
3.4895363975	0.0659379287	0.9999537652	1.1779489798
1.3251114985	0.2629720175	0.9999537652	1.1404164435
1.1024976244	0.7133188087	0.9999537652	1.2660124944
-1.1165838431	0.3768395667	0.9999537652	-1.1235660869
-1.8551455303	0.0891583013	0.9999537652	1.031274069
4.5505976667	0.5557790267	0.9999537652	1.2394611522
-1.6004705264	0.1875727412	0.9999537652	1.0240173192
1.1041313795	0.5540151932	0.9999537652	1.0166388614
-1.1394705898	0.6493510759	0.9999537652	-1.0756807151
1.3733524417	0.1191731845	0.9999537652	-1.1943457761
-1.445711632	0.1134836418	0.9999537652	-1.1738169746
-7.0431967789	0.0842904904	0.9999537652	1.7206366659
-1.1951129036	0.2862695494	0.9999537652	-1.1089455233
1.0434932533	0.8399646648	0.9999537652	-1.0643543443
1.5700882646	0.1942977849	0.9999537652	1.4377975579
1.1658912736	0.3767258147	0.9999537652	-1.0790187384
-2.5838710423	0.5185078317	0.9999537652	18.6336779883
1.0325262642	0.9172727503	0.9999537652	-1.1740530274
-3.0678798337	0.0757237567	0.9999537652	-1.5197744168
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-1.0612709526	0.8294984142	0.9999537652	-1.2941225636
1.0420401189	0.8310753722	0.9999537652	-1.1285233218
1.1162834585	0.9279846283	0.9999537652	-1.859280336
-1.0302089517	0.9260647018	0.9999537652	-1.0486995939
-1.3172130908	0.620143246	0.9999537652	-1.7412494823
-1.1453192235	0.9085235142	0.9999537652	1.2707518347
1.2702608995	0.2018156466	0.9999537652	-1.1257580444
-1.2789806116	0.7307715535	0.9999537652	-1.595141759
-1.1261857203	0.5400832343	0.9999537652	1.0514331165
-1.2698571935	0.3534367721	0.9999537652	-1.1620773296
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-1.1384613128	0.5705852226	0.9999537652	-1.3661551712
-1.0243262586	0.8600566589	0.9999537652	-1.1107166296
0	0	0	2.996475627
-1.0833231221	0.9095558675	0.9999537652	-1.1625772141
1.1366232902	0.5726422419	0.9999537652	-1.1547175111
1.4621934254	0.3643637361	0.9999537652	-1.2334713253
1.045679119	0.8441753272	0.9999537652	-1.2349830164
2.1113088034	0.3083341341	0.9999537652	1.7344154021

gene_expression_table

-1.5907083418	0.1219693751	0.9999537652	-1.8457250557
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6.3075231393	0.4852033336	0.9999537652	2.2924151284
-1.7570926671	0.2361343164	0.9999537652	-1.3862454905
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-1.0073447772	0.9625281972	0.9999537652	1.0017775406
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-1.1604800797	0.8777239625	0.9999537652	1.7013955871
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-1.4235027739	0.0357163621	0.9999537652	-1.3455779303
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18.9318466825	0.2781654697	0.9999537652	1.1932077424
1.4644578187	0.2488858225	0.9999537652	-1.1851156955
1.284971304	0.2932571328	0.9999537652	-1.2613335294
1.2059010171	0.7416994671	0.9999537652	1.2208336453
2.1642013532	0.4347886977	0.9999537652	1.3742147816
1.305406083	0.3160370004	0.9999537652	-1.1874311862
1.2135155632	0.442327709	0.9999537652	1.31124185
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1.1126605832	0.6639006367	0.9999537652	-1.290457686
1.210568601	0.2896311487	0.9999537652	1.0852405163
-1.0840753248	0.6981678725	0.9999537652	-1.2937795303
2.7933974408	0.6948713406	0.9999537652	0
1.1337133962	0.5334844757	0.9999537652	-1.4329560052
1.9460988524	0.3011783504	0.9999537652	-1.1661979027
1.1770305358	0.1437481902	0.9999537652	1.0156602461
1.1358528676	0.4017677189	0.9999537652	1.0181585099
-1.1821041638	0.3154368339	0.9999537652	2.1226998443
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-1.0257428536	0.8855254371	0.9999537652	-1.1263156728
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1.222021874	0.3218208175	0.9999537652	-1.2953708004
1.4355993469	0.4794033111	0.9999537652	-1.4089567536
2.5098097939	0.0673873726	0.9999537652	1.3211861918
-1.2541628693	0.2603365557	0.9999537652	-1.3838679458
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-1.0768309153	0.6486691656	0.9999537652	-1.1431252668
-1.1093901949	0.4517532237	0.9999537652	-1.3209835976
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1.0915569585	0.5745927661	0.9999537652	1.0981070904
1.1033726586	0.5796693699	0.9999537652	-1.1681120152
1.4317593632	0.4965345408	0.9999537652	-1.4608953882
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-1.0423082512	0.9232268939	0.9999537652	-1.4492133135

gene_expression_table

1.131572734	0.675060469	0.9999537652	-1.255807597
-1.05521984	0.7934638153	0.9999537652	-1.0818027296
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1.0816388297	0.6814303659	0.9999537652	-1.1903179823
-1.1170938003	0.8003732321	0.9999537652	1.0178100145
1.1320671704	0.6040319583	0.9999537652	1.0666018029
2.7933974408	0.6948713406	0.9999537652	0
1.4071828944	0.4614613059	0.9999537652	-1.2018945272
-1.1453192235	0.9084983564	0.9999537652	0
1.1119690798	0.5609410252	0.9999537652	1.0829165078
1.1651448872	0.4540678169	0.9999537652	1.0204043333
1.0521689726	0.736278478	0.9999537652	1.3437074937
1.0432030485	0.8634497154	0.9999537652	-1.0967444021
4.5544554512	0.569123417	0.9999537652	2.9985540909
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1.0913731451	0.6764752229	0.9999537652	-1.0015868663
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1.2682896538	0.2019142095	0.9999537652	1.1115301823
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-1.2698360685	0.241014012	0.9999537652	1.0561548556
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1.1218124863	0.6562977421	0.9999537652	1.117205035
1.2473203314	0.4642442354	0.9999537652	-1.0192052879
-1.1064153886	0.5385122363	0.9999537652	1.2251928726
1.0109738374	0.9472051686	0.9999537652	1.2678122748
-1.5191908506	0.3897159669	0.9999537652	-1.2471775178
-1.865641096	0.3849939666	0.9999537652	1.4370974628
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-1.2250402764	0.2986874549	0.9999537652	1.0519472581
6.3075231393	0.4851938636	0.9999537652	0
0	0	0	1.9429993325
1.6748770634	0.0234879429	0.9999537652	1.2183004394
-2.0616778935	0.3664784239	0.9999537652	-1.5929518064
1.0075604803	0.9674390732	0.9999537652	1.1540236101
1.0904523195	0.6563168241	0.9999537652	1.6664365568
1.0947945491	0.7484234679	0.9999537652	1.3488251881
-1.1378168294	0.3699761982	0.9999537652	-1.0084322429
-1.6525426056	0.0104542961	0.9999537652	1.0551841528
1.0956548455	0.5800393441	0.9999537652	-1.1268760924
9.8205505243	0.3829068144	0.9999537652	-5.3589986948
-1.2287947425	0.106419117	0.9999537652	1.0216749559
2.7957660672	0.7055093216	0.9999537652	18.6465640159
1.037646073	0.871825649	0.9999537652	1.2494719046
-1.6547859728	0.428407077	0.9999537652	-1.0620681059
-1.0427054911	0.9119865299	0.9999537652	1.1845895774
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-1.3697544738	0.7454660002	0.9999537652	1.9418822056

gene_expression_table

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1.5957586408	0.29268491	0.9999537652	-1.0537536839
1.1827519787	0.7608843561	0.9999537652	-1.474672455
-1.0158202826	0.9718679118	0.9999537652	1.2914350297
1.452030427	0.0412905405	0.9999537652	1.3304209264
-1.2863564238	0.4587775529	0.9999537652	1.1673138225
1.078010753	0.6883812638	0.9999537652	1.1554331924
-1.2824570106	0.1569812672	0.9999537652	1.1309397348
1.0570433333	0.8666098854	0.9999537652	-1.0530204883
-1.001808101	0.9945267834	0.9999537652	-1.0992927125
1.0534549393	0.7850132192	0.9999537652	1.3902250691
-1.1471526808	0.4689631683	0.9999537652	-1.0314138285
2.1104313265	0.1376727097	0.9999537652	1.0108534739
4.5544554512	0.5691214234	0.9999537652	-1.8579915692
1.1074829774	0.5320456439	0.9999537652	1.2444713338
1.1764388862	0.5267520452	0.9999537652	-1.0568255457
1.1398761875	0.2929886175	0.9999537652	-1.0096106204
1.2498624507	0.4695516531	0.9999537652	1.3852494711
-1.1903487778	0.302195048	0.9999537652	1.2857916302
-1.1619717093	0.8743568181	0.9999537652	-1.0324473817
9.8291821523	0.3810532719	0.9999537652	-3.8929589845
-1.0852237286	0.6950456669	0.9999537652	1.1941255412
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1.793573223	0.2310303635	0.9999537652	-1.5747310857
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1.434690516	0.1880357941	0.9999537652	-1.0840269184
2.1419513341	0.0103498366	0.9999537652	1.2392317369
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0	0	0	2.996475627
17.3472938331	0.297593761	0.9999537652	10.8337816869
1.445516321	0.0879057859	0.9999537652	-1.0578711082
-1.1343868507	0.6436410492	0.9999537652	1.1115686962
-1.1658955302	0.700708192	0.9999537652	1.2112783616
1.0848793797	0.6628822603	0.9999537652	1.3174707932
-1.206383623	0.679279939	0.9999537652	2.4850917429
1.0933195059	0.780591948	0.9999537652	1.3857265732
-1.2088847843	0.6168540632	0.9999537652	1.29058679
6.3075231393	0.485184401	0.9999537652	2.9988886918
2.7933974408	0.6948713406	0.9999537652	0
2.5603529545	0.2533448675	0.9999537652	-3.2960765574
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-1.0552900301	0.8299308523	0.9999537652	-1.2669986972
1.117210085	0.56850067	0.9999537652	1.4991880385
1.9059311107	0.4748393818	0.9999537652	1.2775595037
9.8205505243	0.3834204237	0.9999537652	0
1.431746495	0.2482106738	0.9999537652	-1.1855556174
2.382293359	0.0341921925	0.9999537652	1.1606269066
1.0349547516	0.9587074483	0.9999537652	-1.0025721281
1.0120824699	0.9497876596	0.9999537652	-1.1650277482

gene_expression_table

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1.0980537363	0.7761736383	0.9999537652	1.1486103331
1.0084917111	0.9588856549	0.9999537652	1.020535448
1.0507500623	0.8518208642	0.9999537652	1.3058568606
-1.1971512532	0.3909110707	0.9999537652	1.089320051
-1.5405413639	0.0235519751	0.9999537652	1.0777048372
1.0715941098	0.744095118	0.9999537652	-1.0357292731
-1.1599754231	0.8809246774	0.9999537652	-1.5335264323
1.0209446956	0.9069626208	0.9999537652	-1.057812912
-1.2124534043	0.6001277472	0.9999537652	-1.4326822578
-1.0183766977	0.9482440068	0.9999537652	1.2899072685
-1.8806546573	0.2161173175	0.9999537652	-1.0494562787
1.0358561766	0.966566142	0.9999537652	-1.0162949722
-1.1000361821	0.5938461815	0.9999537652	1.0570774796
-2.4156082583	0.3145552024	0.9999537652	0
-1.6167995859	0.0100472812	0.9999537652	1.1469168166
-1.0141188946	0.905982832	0.9999537652	1.0483600866
-1.0275168639	0.9170862329	0.9999537652	1.1055823132
-1.0342452756	0.9023586959	0.9999537652	-1.1970335872
1.2221260278	0.695659622	0.9999537652	-1.1212533501
0	0	0	2.9985540909
1.1579497658	0.5432283642	0.9999537652	-1.2315692271
1.5954008	0.3509687722	0.9999537652	-1.1700467391
-1.0831077593	0.7647360585	0.9999537652	-1.1082536133
1.0174830237	0.905877466	0.9999537652	1.0234883342
-1.2243823421	0.0903323627	0.9999537652	-1.1496406173
-1.668044468	0.6115623291	0.9999537652	-1.7689121852
-1.1717020419	0.7816799213	0.9999537652	1.2025112422
-1.0432294284	0.942614894	0.9999537652	1.6428693505
1.2058113856	0.315642274	0.9999537652	1.1271831837
1.7832225176	0.3957663894	0.9999537652	-137.3174062836
-1.8162185293	0.3282390241	0.9999537652	2.1803770037
-1.0579303901	0.6732502445	0.9999537652	1.1009642278
24.3870295947	0.2290259672	0.9999537652	0
1.4067138366	0.1158823064	0.9999537652	1.2561081415
4.5505976667	0.5557790267	0.9999537652	1.7534505922
55.4857722906	0.1140953786	0.9999537652	1.2076073882
1.1555817374	0.5110236142	0.9999537652	1.1042430807
1.2247772049	0.4431972123	0.9999537652	-1.259435987
-1.3386471893	0.1200329769	0.9999537652	-1.3388648871
4.5544554512	0.5691194299	0.9999537652	0
-1.0659183645	0.7277037495	0.9999537652	1.4828053352
1.2480005421	0.6196435355	0.9999537652	-1.2127671684
1.1387802751	0.4553588377	0.9999537652	1.2510988699
1.0872153021	0.7043579325	0.9999537652	1.2281780708
1.2741030728	0.8382550595	0.9999537652	-4.2406870258
1.0039655521	0.9837517676	0.9999537652	1.5304376115
1.1874655834	0.6879300426	0.9999537652	1.3515664869
-1.1453192235	0.9084480465	0.9999537652	0

gene_expression_table

-1.3342296605	0.4152711407	0.9999537652	1.4245270644
1.1951212749	0.3946343301	0.9999537652	-1.1844520008
0	0	0	4.9527501949
1.0041643949	0.9886306612	0.9999537652	1.0799804531
-1.0200823636	0.9202562835	0.9999537652	1.5712644739
-1.030324962	0.920956554	0.9999537652	-1.3574022302
4.5505976667	0.5557790267	0.9999537652	-3.384595918
-1.5512850017	0.2538545585	0.9999537652	1.0957553385
1.3129421727	0.1997029771	0.9999537652	1.3190749324
1.0364864658	0.8045989142	0.9999537652	1.1341170545
-1.4830986381	0.507101195	0.9999537652	1.3089286093
1.1791813282	0.7395802764	0.9999537652	1.080055544
-1.2601749205	0.4466249394	0.9999537652	1.2057134772
-12.9852817769	0.1145723811	0.9999537652	18.6336779883
1.3519214764	0.2291674868	0.9999537652	1.2297879018
2.7933974408	0.6948713406	0.9999537652	0
-1.0988764368	0.5557819776	0.9999537652	1.4382201485
-1.1577729869	0.4790174805	0.9999537652	1.185358789
-1.0335865813	0.91920921	0.9999537652	1.2468505536
0	0	0	-1.3592076145
1.2442439145	0.4821989253	0.9999537652	-1.1940834369
-1.0101874558	0.9739407161	0.9999537652	1.1056624323
3.0642477781	0.3208985299	0.9999537652	-1.5086083432
-1.0550219132	0.8424033721	0.9999537652	-1.1531118541
1.3242201799	0.5571784961	0.9999537652	-1.1316682221
1.1490921787	0.544016473	0.9999537652	-1.0638934517
-1.4427833345	0.1596014047	0.9999537652	-1.009168882
1.1899003621	0.334224868	0.9999537652	1.2343873872
3.8622037496	0.619279619	0.9999537652	0
-6.9762758667	0.257129201	0.9999537652	0
1.2368337997	0.1867771456	0.9999537652	1.531463071
-1.0488806479	0.9448345571	0.9999537652	2.0176725665
4.5505976667	0.5557790267	0.9999537652	16.7037438866
1.3553237329	0.4450800821	0.9999537652	1.4085994299
-1.4113237029	0.108512766	0.9999537652	1.24781523
1.3626371084	0.6287186377	0.9999537652	-1.0313954446
4.5505976667	0.5557790267	0.9999537652	-5.3583704783
-3.1203116482	0.2603638239	0.9999537652	16.6921882404
-1.1251425411	0.7582654172	0.9999537652	-1.3544123384
-1.0739359402	0.8138175097	0.9999537652	1.3186573404
0	0	0	2.996475627
4.5505976667	0.5557790267	0.9999537652	1.438718359
-1.107412991	0.6087562491	0.9999537652	1.3203319014
1.6373443238	0.3525638553	0.9999537652	1.1416445229
-1.127938319	0.5493274252	0.9999537652	1.2983882762
0	0	0	12.7732027325
-1.6937362394	0.0394929285	0.9999537652	-1.3823718316
1.0164849475	0.944218865	0.9999537652	1.1720170648
1.043043508	0.8826961489	0.9999537652	1.1816476191

gene_expression_table

0	0	0	2.996475627
-1.0821575717	0.7610075121	0.9999537652	-1.1122593874
1.1168038901	0.9276262293	0.9999537652	6.9133480437
-2.0284297556	0.0527920993	0.9999537652	1.0340558087
1.1038218769	0.4563641756	0.9999537652	-1.2487588538
-1.9182044808	0.3932826021	0.9999537652	1.089503369
1.0628622838	0.8591795761	0.9999537652	1.0744087558
2.7933974408	0.6948713406	0.9999537652	1.4809662823
-1.7329739058	0.083202991	0.9999537652	-1.0526731925
1.0549469795	0.8470773317	0.9999537652	-1.2223015012
0	0	0	-1.8594983184
-1.2017692044	0.673867422	0.9999537652	1.3615494687
1.1095500384	0.4622691028	0.9999537652	-1.3111951279
1.9475083768	0.253088899	0.9999537652	1.2260009445
-1.1105845616	0.4113894703	0.9999537652	-1.0374441436
-1.2355728683	0.3192775803	0.9999537652	-1.8654886106
-1.4611854053	0.1221374522	0.9999537652	1.0437952688
-1.4700854183	0.2876580917	0.9999537652	-1.078184316
0	0	0	6.908559683
2.7933974408	0.6948713406	0.9999537652	-4.9124967738
-1.1332131568	0.7706845748	0.9999537652	-1.4143284498
0	0	0	1.590997316
-2.5861438062	0.4737924651	0.9999537652	-1.3540113423
8.064174035	0.4193539664	0.9999537652	-2.0479626835
1.1239887064	0.8172081433	0.9999537652	2.0814691733
1.076325972	0.6218672132	0.9999537652	-1.3047161295
-1.0924021824	0.5849504373	0.9999537652	1.2225706684
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1.5293196826	0.3631019115	0.9999537652	-1.2255202261
1.6852529786	0.0393589994	0.9999537652	-1.0517316153
1.574033549	0.0988894235	0.9999537652	1.0584205644
1.2679783476	0.583214252	0.9999537652	1.5561795548
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1.2443382777	0.2032815398	0.9999537652	-1.2682668164
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1.3988806434	0.009168	0.9999537652	-1.0551735063

gene_expression_table

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-1.1816462225	0.2130860698	0.9999537652	-1.3006247567
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1.1776698887	0.4463078782	0.9999537652	1.319640004
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1.9990319965	0.0371575639	0.9999537652	1.1768538732
1.1242358844	0.8720335654	0.9999537652	-1.1077831536
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-1.2446995364	0.2015562286	0.9999537652	-1.5807004474
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1.702429257	0.00172	0.9999537652	1.933921747
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-1.0641993194	0.7875772109	0.9999537652	1.1504131496
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2.7933974408	0.6948713406	0.9999537652	-3.3826461929
-1.0743494351	0.55228298	0.9999537652	1.1245661604
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gene_expression_table

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1.3666903992	0.0254134835	0.9999537652	1.0213041724
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1.7482661688	0.4628829324	0.9999537652	1.2242146434
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1.2458528047	0.1553644419	0.9999537652	1.1270686261
1.2690129842	0.5886625791	0.9999537652	1.0253827829
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1.1722727737	0.4102416559	0.9999537652	1.0954701246
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-1.2985839753	0.1002733076	0.9999537652	-1.1255768705
1.4320838073	0.3460680139	0.9999537652	-1.6583240028
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1.1242912857	0.4668436377	0.9999537652	-1.5054888918
4.5544554512	0.5691174365	0.9999537652	-3.1944206015
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-1.0151329301	0.9615319037	0.9999537652	1.0102007223
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2.7345456454	0.1996468189	0.9999537652	2.0314603002
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2.7933974408	0.6948713406	0.9999537652	0
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1.1023024147	0.3873336606	0.9999537652	1.003950646
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gene_expression_table

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1.4232493793	0.0584489606	0.9999537652	1.0105417796
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1.1204342736	0.6700261411	0.9999537652	-1.0695890564
1.1851804944	0.5281572802	0.9999537652	1.1480253285
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-1.5867212121	0.7194021882	0.9999537652	-1.1432552104
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1.2571062983	0.2923318567	0.9999537652	1.3068231642
1.4509590208	0.189029105	0.9999537652	-1.0060823977
2.0259070874	0.1623554539	0.9999537652	1.7292704494
-1.1380592839	0.4477371455	0.9999537652	1.0500446226
2.7933974408	0.6948713406	0.9999537652	2.7983193256
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1.0815467883	0.6905557318	0.9999537652	-1.0221428959
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-1.0036777173	0.990590593	0.9999537652	1.1326136241

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	-1.658786914
0	0	0	6.908559683
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1.1207661674	0.5416247967	0.9999537652	-1.0835401821
1.0782959684	0.5770187908	0.9999537652	-1.1044786833
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6.2167132833	0.0849912995	0.9999537652	2.8014102743
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1.0973831338	0.6560755214	0.9999537652	1.2786506033
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1.1402754382	0.6505659793	0.9999537652	-1.534652146
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1.0927017526	0.7268980104	0.9999537652	1.4039691797
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1.177090287	0.3509968983	0.9999537652	1.1192150025
1.1879887589	0.1531499514	0.9999537652	-1.3964218786
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1.603906631	0.6805398061	0.9999537652	1.1360578751
-1.0929418997	0.5728940492	0.9999537652	-1.0336966669
1.471195557	0.4657860859	0.9999537652	-1.3065878424
-1.2276362296	0.1224673987	0.9999537652	-1.1158007982
-1.1266634304	0.5275220039	0.9999537652	-1.2141472478
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gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	-1.0601741034
0	0	0	-1.3808714259
1.1281416946	0.7374502938	0.9999537652	-1.2102430893
3.8622037496	0.619217824	0.9999537652	1.115697704
9.8205505243	0.383964091	0.9999537652	1.1257491784
-1.2666655769	0.4597281813	0.9999537652	-1.0338148364
0	0	0	1.9432165124
2.7933974408	0.6948713406	0.9999537652	0
-1.07307118	0.8883734348	0.9999537652	1.0096073434
2.6239526374	0.1313100907	0.9999537652	-1.0003629227
1.6476882037	0.596576655	0.9999537652	1.2747352577
-1.0894773671	0.8938770878	0.9999537652	-1.493761877
1.0138193575	0.9706121908	0.9999537652	1.0689012739
-1.0873687295	0.5648046501	0.9999537652	1.1418789822
-1.0787763667	0.7008960567	0.9999537652	-1.1010982524
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1.5987470131	0.3780539628	0.9999537652	-1.5314170113
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1.2655060468	0.2766468799	0.9999537652	1.5327504982
1.1449704735	0.4554874515	0.9999537652	1.1247855206
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1.1861573905	0.7272933958	0.9999537652	-1.3288093709
1.1442220107	0.3872763964	0.9999537652	-1.21328781
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1.055285734	0.8870423753	0.9999537652	1.153500395
4.5544554512	0.5691154432	0.9999537652	-1.5002047937
-1.1718047967	0.8443104731	0.9999537652	-2.9687025352
1.2669793002	0.3655763652	0.9999537652	1.2205689728
1.5345406962	0.2685594143	0.9999537652	1.3428761373
1.1929726634	0.2563076318	0.9999537652	-1.1142674056
1.1399460543	0.575533989	0.9999537652	-1.3603715413
1.0263927084	0.8361054328	0.9999537652	-1.4364937229
2.8162992884	0.3665312	0.9999537652	-1.2384158616
-1.2462075393	0.1511559927	0.9999537652	-1.0718958087
1.3322071085	0.6205680367	0.9999537652	-1.5371931092
-1.1426563294	0.5050162828	0.9999537652	-1.7663278549
-1.16596854	0.5348960718	0.9999537652	-1.3948278289
15.1008094413	0.2915047567	0.9999537652	-5.0960079851
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-1.1128693633	0.3943221213	0.9999537652	1.1276960565
2.0372378093	0.4352795618	0.9999537652	2.1074774138
1.1224138006	0.5624427143	0.9999537652	-1.1394339584
1.1234480071	0.5927726365	0.9999537652	1.0429606645
1.1414955553	0.688348978	0.9999537652	-1.0129551596
18.6298281873	0.2553026637	0.9999537652	-1.3123873953

gene_expression_table

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-1.4162636112	0.169824119	0.9999537652	1.1490009265
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-1.2099540125	0.273001395	0.9999537652	-1.1264145318
1.4366050279	0.0856662037	0.9999537652	-1.2273667388
-1.2132688221	0.5852036512	0.9999537652	-1.1208182977
2.5976061076	0.1040264891	0.9999537652	-1.3345403183
-1.0685380045	0.9372568069	0.9999537652	-1.6770957387
-1.4580288226	0.1251923031	0.9999537652	-1.1139850457
1.1966118699	0.3664719812	0.9999537652	1.0200838671
-2.0049217286	0.4846480013	0.9999537652	-1.0005722444
-1.3806165014	0.3922009695	0.9999537652	-1.572077592
-1.1132667401	0.744901039	0.9999537652	-1.3595718051
-1.6568408305	0.4210319385	0.9999537652	-1.338149107
0	0	0	6.908559683
2.2227236654	0.5576798218	0.9999537652	-2.0477227478
1.1332615238	0.7051276106	0.9999537652	-1.0229460566
2.7933974408	0.6948713406	0.9999537652	-2.0482026754
1.3820692738	0.7418794899	0.9999537652	-1.2790173198
-1.1236546327	0.5159860458	0.9999537652	-1.1870418109
-1.0219825914	0.924742867	0.9999537652	1.2396646562
1.7039322442	0.2510657094	0.9999537652	-1.0657726067
0	0	0	2.996475627
0	0	0	2.996475627
-3.0586831592	0.0112522695	0.9999537652	-1.1235708981
0	0	0	21.234349681
1.5800944083	0.4969428548	0.9999537652	-1.289762344
-1.1371645363	0.674019683	0.9999537652	1.3100732482
2.7957660672	0.7055116951	0.9999537652	4.3967731856
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
0	0	0	1.2410271878
-1.2459100936	0.6630945225	0.9999537652	1.2801203073
0	0	0	2.996475627
1.009065489	0.9845214742	0.9999537652	1.8000199784
57.187733295	0.1123556626	0.9999537652	-3.4230273045
0	0	0	-1.8580020618
-1.467185214	0.4062869535	0.9999537652	1.3662600626
1.2610885254	0.7418548403	0.9999537652	-1.7236068244
-1.2148704852	0.4850438186	0.9999537652	-1.1797502881
1.3336520419	0.0819193623	0.9999537652	-1.2540981758
5.5083463532	0.0701864284	0.9999537652	1.8715612428
1.2096219116	0.2042829636	0.9999537652	-1.4630395478
1.0025878864	0.9912681226	0.9999537652	-1.1857382596
-1.1938303351	0.5794445479	0.9999537652	-1.4178250262
-1.0370189999	0.8057155715	0.9999537652	-1.0451859915
-1.026119763	0.8848562237	0.9999537652	-1.1396437199
1.395501518	0.1314970435	0.9999537652	1.2400867901
1.3076659969	0.4808092242	0.9999537652	-1.0971436643
1.2354572624	0.3340771775	0.9999537652	-1.1628088682

gene_expression_table

-1.0862235581	0.6449499584	0.9999537652	-1.0494848713
-1.1500823788	0.4379295734	0.9999537652	-1.1066781983
2.7933974408	0.6948713406	0.9999537652	-1.1250196696
1.1470858769	0.7815227573	0.9999537652	1.1223813354
1.001038249	0.9947860259	0.9999537652	1.1695399364
2.0057237411	0.2464624472	0.9999537652	1.3630917942
-1.1873725306	0.3392017972	0.9999537652	1.0951827936
16.8433158146	0.2737823561	0.9999537652	1.7462448558
1.0712193836	0.667849089	0.9999537652	-1.3737945697
1.2184218866	0.087700567	0.9999537652	-1.1081969004
1.0340248443	0.8575274954	0.9999537652	-1.3565382948
-1.1745894864	0.3095283838	0.9999537652	-1.0865234307
4.5544554512	0.56911345	0.9999537652	2.9302599816
1.1057812314	0.6081386661	0.9999537652	1.3263697254
-1.1649408325	0.2855274374	0.9999537652	-1.1535871194
1.0257391298	0.8955622162	0.9999537652	-1.1491347225
1.8723258494	0.009106	0.9999537652	1.3227579242
-1.0525632343	0.7536432774	0.9999537652	-1.3327032796
1.1338604475	0.3796128015	0.9999537652	-1.3234144172
11.5766527773	0.3454082547	0.9999537652	-1.2402444264
1.1410834531	0.7558440573	0.9999537652	-1.0441383663
-1.0605156096	0.7671190227	0.9999537652	1.1358557182
1.131099688	0.4455767943	0.9999537652	-1.0723378931
-3.0930401431	0.1225336416	0.9999537652	-1.0418572178
0	0	0	2.9988886918
-1.6267638816	0.4445153888	0.9999537652	-1.861834348
-1.4218047209	0.5194881691	0.9999537652	-1.4905881959
-1.5763646825	0.5009531945	0.9999537652	1.2536187606
4.0347077664	0.2015377033	0.9999537652	-1.5805867929
-1.2365301525	0.6187436842	0.9999537652	1.1979151226
0	0	0	0
1.1263768786	0.4953153322	0.9999537652	1.1994469857
2.5734927579	0.4060790046	0.9999537652	-1.3436666544
2.7933974408	0.6948713406	0.9999537652	1.2398837679
1.0587017639	0.9181531174	0.9999537652	-1.4054675939
1.1949616849	0.3671841622	0.9999537652	-1.3913625158
1.4755277565	0.007468	0.9999537652	1.2707775723
-1.035281337	0.8453948225	0.9999537652	-1.1040211784
-1.077841221	0.6360926516	0.9999537652	-1.0783846538
1.0929080844	0.5775855807	0.9999537652	1.07672512
-1.1772887308	0.7533021757	0.9999537652	-1.303877636
-1.0223357772	0.9373761128	0.9999537652	-1.4638354216
1.053261896	0.7312630396	0.9999537652	-1.2437038296
-1.1346812318	0.7474540794	0.9999537652	1.5931238094
1.0291290148	0.8366993142	0.9999537652	1.1088192833
4.5505976667	0.5557790267	0.9999537652	16.6806485101
1.7916349996	0.3105003687	0.9999537652	-1.0172517022
1.1454331778	0.6836879932	0.9999537652	-1.1028188337
1.6719641693	0.1808932908	0.9999537652	1.1231736035

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	0
0	0	0	8.9512754559
1.1542967725	0.4986015926	0.9999537652	-1.2428113881
-7.0403382421	0.1005442596	0.9999537652	14.7373490367
-1.9290774189	0.6162740647	0.9999537652	0
-1.1309592246	0.4183687682	0.9999537652	-1.2271183541
-1.2779195599	0.1841567712	0.9999537652	-1.4064907524
1.1046260832	0.7418420231	0.9999537652	1.0143323519
-1.4986982513	0.0797381862	0.9999537652	-1.4022422059
-1.0879166553	0.5777995377	0.9999537652	-1.1096927001
6.3075231393	0.4851654977	0.9999537652	-1.4680135518
18.5983228161	0.2580535817	0.9999537652	5.2143761525
0	0	0	0
4.5505976667	0.5557790267	0.9999537652	1.9432271302
0	0	0	2.996475627
1.2523812163	0.2185934968	0.9999537652	1.1631657223
-1.0375894658	0.8586634434	0.9999537652	1.2787147993
1.1506613189	0.5388169716	0.9999537652	1.0188388352
-7.0458783659	0.0842665862	0.9999537652	1.4239170092
1.0433630444	0.7561994395	0.9999537652	-1.2416065854
1.0003654271	0.9982515557	0.9999537652	-1.5099916317
4.5505976667	0.5557790267	0.9999537652	1.5740434553
1.0569659205	0.8362623647	0.9999537652	-1.0586187108
0	0	0	6.908559683
1.3164896658	0.349665885	0.9999537652	2.5975288819
-1.0913409447	0.8107263823	0.9999537652	-1.1743577437
-1.085408551	0.652071967	0.9999537652	-1.0476977684
1.0321393073	0.8626602276	0.9999537652	-1.160044071
1.263371817	0.2035082129	0.9999537652	1.0027886176
1.2995518875	0.4519143484	0.9999537652	-1.0337214812
1.2578299656	0.4954577645	0.9999537652	-1.4092705524
-1.0040890011	0.9829905955	0.9999537652	-1.3401748293
1.2689653878	0.3053835969	0.9999537652	1.0972667659
-1.6631765169	0.4183763937	0.9999537652	-1.1962298278
1.2363480637	0.3202040232	0.9999537652	-1.0254072819
-1.1503649434	0.3798858903	0.9999537652	-1.2407701073
1.1177376122	0.7209603172	0.9999537652	-1.0359795774
1.2401278409	0.6359609104	0.9999537652	-1.0450950344
-1.209275812	0.2579939967	0.9999537652	-1.1168873591
0	0	0	1.2394611522
-1.0468894492	0.7509938438	0.9999537652	-1.2967486027
-1.1280813984	0.5824659127	0.9999537652	1.1019241375
-1.2206505016	0.6585729013	0.9999537652	1.2982156351
-1.1292691121	0.4051571655	0.9999537652	-1.1207564135
1.0226734087	0.9062388152	0.9999537652	-1.0133870332
2.6517750321	0.1137899357	0.9999537652	1.38408839
1.058939053	0.7565235258	0.9999537652	1.0264611055
1.1223268592	0.4311710026	0.9999537652	-1.1980028151
-1.011363348	0.9614125468	0.9999537652	-1.0204186667

gene_expression_table

2.7933974408	0.6948713406	0.9999537652	6.908559683
1.5373481529	0.2488226969	0.9999537652	-1.0443588544
-1.1767280502	0.3867672578	0.9999537652	-1.1829846796
2.7933974408	0.6948713406	0.9999537652	12.7909013375
-1.096363092	0.4381520923	0.9999537652	-1.5078135119
2.7933974408	0.6948713406	0.9999537652	12.7732027325
-1.228774061	0.4245989417	0.9999537652	-1.4253833756
1.0578046988	0.8627365462	0.9999537652	-1.373482463
9.8205505243	0.3838938042	0.9999537652	0
2.6478843491	0.4841251341	0.9999537652	1.2400291296
1.0075921245	0.9753178566	0.9999537652	-1.2147172582
1.1340072463	0.2962197846	0.9999537652	1.1229859791
0	0	0	8.8639046058
-1.0158784018	0.9580962615	0.9999537652	-1.5051103498
2.7933974408	0.6948713406	0.9999537652	10.8262784008
-1.0193890362	0.9159097666	0.9999537652	-1.1582453594
1.182633619	0.6391293015	0.9999537652	1.1188571753
1.0124323008	0.970400032	0.9999537652	1.393395795
1.2866053758	0.3178883358	0.9999537652	-1.0079769229
-1.0455899786	0.7167943151	0.9999537652	1.1167550107
1.2976630662	0.3484942625	0.9999537652	2.5451612408
1.6024984014	0.6868416379	0.9999537652	1.6354495038
4.5505976667	0.5557790267	0.9999537652	2.6979916739
-1.8031291404	0.005258	0.9999537652	-1.3594899797
1.075052797	0.5793106644	0.9999537652	1.0242667762
-1.5000103367	0.0378717179	0.9999537652	-1.1129408141
2.3232499608	0.0759825089	0.9999537652	2.2894864996
2.7933974408	0.6948713406	0.9999537652	1.109951066
1.0742663477	0.6986155493	0.9999537652	-1.4030457436
-1.0857698111	0.7650941046	0.9999537652	-1.1308726791
-1.5992043474	0.0292797251	0.9999537652	-1.045857399
1.0498805782	0.9153925553	0.9999537652	-1.0711605254
-7.3545033058	0.0461451899	0.9999537652	1.0962558674
1.1367523693	0.2583196913	0.9999537652	1.1221138119
-1.0775719903	0.7233708187	0.9999537652	-1.0011542077
4.5505976667	0.5557790267	0.9999537652	-1.1241083699
-1.5881570201	0.7077423276	0.9999537652	-1.6580718273
-1.7095355717	0.1246906798	0.9999537652	1.0934734729
1.1104162823	0.7391088992	0.9999537652	-1.3877206036
-1.0465422522	0.8167737468	0.9999537652	-1.242747704
1.0582372718	0.9167360602	0.9999537652	1.1746426066
1.1705908586	0.7466496761	0.9999537652	-1.4381901012
-1.0031946337	0.9866699521	0.9999537652	-1.3424261703
1.1258393082	0.5475827881	0.9999537652	1.1353958728
1.0064785949	0.9665446248	0.9999537652	-1.4493212981
1.0556465585	0.7757672672	0.9999537652	-1.5364602838
1.1228311004	0.5454087816	0.9999537652	1.083947944
1.0235618423	0.95161708	0.9999537652	1.0982353058
1.2889858652	0.4360421881	0.9999537652	-1.0034674522

gene_expression_table

14.82452558	0.0121449648	0.9999537652	-2.5782436629
-1.6741932226	0.2456607751	0.9999537652	2.1358250889
1.2291170595	0.5661657579	0.9999537652	-1.2036944082
-1.3118702523	0.5274168221	0.9999537652	-1.9495375127
1.1094173088	0.5540296474	0.9999537652	-1.4131486317
6.3075231393	0.485156057	0.9999537652	1.2657113394
1.1871337559	0.6251749007	0.9999537652	-1.161938699
-1.1463369772	0.478542075	0.9999537652	-1.3309772441
-1.1859740966	0.286882304	0.9999537652	-1.3719877269
0	0	0	4.9527501949
-1.022961404	0.8709906034	0.9999537652	-1.0010809753
-2.8761557559	0.1800622315	0.9999537652	-1.5146989318
3.5995952878	0.0123621257	0.9999537652	-1.5535897272
-2.4056861539	0.2979252185	0.9999537652	-1.6233324417
-1.4139821599	0.4696351681	0.9999537652	-1.5391150511
1.1482117586	0.6705865546	0.9999537652	1.0348962827
-1.041369009	0.8972527596	0.9999537652	1.2165094772
-1.0315532783	0.8858593104	0.9999537652	1.1730053244
2.7933974408	0.6948713406	0.9999537652	-5.3608259368
-1.1814159946	0.5917033152	0.9999537652	1.2648504152
1.5136569565	0.663621509	0.9999537652	1.0672344538
1.3594099105	0.7967251991	0.9999537652	1.782653648
0	0	0	4.9561842702
1.4405757815	0.1855593607	0.9999537652	1.2232242095
1.6316072287	0.2591807405	0.9999537652	-1.0284201167
1.6520799496	0.3222463328	0.9999537652	1.1550303116
-1.1225725447	0.7345970144	0.9999537652	1.1249691142
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.9985540909
-1.3526707021	0.434671712	0.9999537652	1.4528714662
2.7933974408	0.6948713406	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	0
4.5505976667	0.5557790267	0.9999537652	-1.859280336
-1.109326109	0.7652812065	0.9999537652	1.3398488739
1.6117727667	0.2758460632	0.9999537652	1.193363803
-1.1294930875	0.3154847956	0.9999537652	1.1191816572
-2.587194901	0.5006282751	0.9999537652	2.996475627
1.3490258238	0.0786177907	0.9999537652	-1.0697205926
1.5967362629	0.0209120421	0.9999537652	1.2693740616
-1.0675527747	0.7757677745	0.9999537652	1.1312572492
-1.5573027356	0.1096838255	0.9999537652	-1.4632233352
-1.1624006169	0.3172283933	0.9999537652	-1.0558039249
1.1719869208	0.6294469485	0.9999537652	1.5611255112
-1.5452790953	0.0718196266	0.9999537652	-1.0516392973
-1.1640194144	0.6179363249	0.9999537652	1.1958631106
-1.0504458159	0.8434366637	0.9999537652	1.4551075882
1.1237069365	0.4081851676	0.9999537652	1.2750825638
1.0223194374	0.8948396545	0.9999537652	-1.01323961
1.2935952465	0.7175409253	0.9999537652	1.1540898154

gene_expression_table

1.239470163	0.2268006772	0.9999537652	1.5232282048
0	0	0	-1.8582093966
-1.7864429677	0.1444320758	0.9999537652	-1.0329950039
1.0902790324	0.8273722316	0.9999537652	-1.410084982
-1.7323125616	0.4238959165	0.9999537652	1.4892730691
1.7090046434	0.1760065813	0.9999537652	-1.1450397395
-2.3113168502	0.1942861307	0.9999537652	1.2798415061
1.0632120177	0.8024801714	0.9999537652	-1.2104646259
-1.0100849333	0.9325857124	0.9999537652	-1.2798197453
-1.0166484871	0.9250288939	0.9999537652	1.2009468591
-1.0493327012	0.7997777324	0.9999537652	1.3067000269
-1.096028251	0.7632270094	0.9999537652	1.2184805412
-1.1761637688	0.3459219346	0.9999537652	1.049184107
2.6239154224	0.1607521775	0.9999537652	-1.077264645
1.0726209006	0.5690020452	0.9999537652	1.0316130586
-1.1703501368	0.455105873	0.9999537652	-1.0841726273
-1.0096470273	0.9423582173	0.9999537652	1.1124971368
-1.9398321751	0.4439852018	0.9999537652	-1.0369932741
1.1287178186	0.7940283367	0.9999537652	1.3310925361
1.2629828152	0.7087132151	0.9999537652	1.9043397705
0	0	0	5.0196635897
-1.1471550932	0.5877606531	0.9999537652	-1.0553164576
-4.8135938501	0.1786396346	0.9999537652	-3.1776407877
0	0	0	1.4531210393
-6.9736190158	0.2250321147	0.9999537652	12.7732027325
-1.1030814387	0.5669685688	0.9999537652	1.3807147261
1.5364576902	0.4988590638	0.9999537652	-2.2200956212
1.0042861411	0.9760134219	0.9999537652	-1.2722745309
2.0844878286	0.1186410286	0.9999537652	1.2896809982
-6.9762758667	0.2571161994	0.9999537652	0
-1.8034168983	0.1925407177	0.9999537652	1.2398105102
0	0	0	0
-2.3755481719	0.0888315432	0.9999537652	1.9125410629
1.1504905576	0.3148087744	0.9999537652	1.026249466
0	0	0	2.9985540909
-1.4503791503	0.0970538506	0.9999537652	1.1107027101
1.0237370269	0.8921997631	0.9999537652	-1.1485374493
1.5143610053	0.6457699058	0.9999537652	-2.6631453939
-1.0020094292	0.9886481287	0.9999537652	-1.0078073856
-6.9762758667	0.257123944	0.9999537652	8.8639046058
-4.8154268017	0.1712411542	0.9999537652	-1.7606748791
1.0284143981	0.912840579	0.9999537652	-1.259337601
1.1611327203	0.6749962601	0.9999537652	-1.2401750591
1.3954064265	0.6466040402	0.9999537652	-1.3416682102
1.0293152054	0.9071517752	0.9999537652	1.0635387767
1.0366976783	0.9655652907	0.9999537652	1.106644687
2.7933974408	0.6948713406	0.9999537652	6.908559683
-1.5875118025	0.7201406819	0.9999537652	-1.8393168198
-1.8767924498	0.2022052213	0.9999537652	-1.1925389909

gene_expression_table

-1.1222971227	0.7908495522	0.9999537652	-1.2559844064
-1.4768396305	0.6824825744	0.9999537652	-1.3628769604
-1.1202018389	0.7482467981	0.9999537652	1.1685462677
-1.016035328	0.9109619303	0.9999537652	1.0058733591
1.8244386635	0.20278243	0.9999537652	1.146043406
-1.1746456801	0.7610213283	0.9999537652	1.1787001477
1.2886625128	0.2982560495	0.9999537652	1.0943595005
6.3075231393	0.4851466235	0.9999537652	-1.859280336
1.7856493071	0.1634627446	0.9999537652	1.1762778563
-1.7978430642	0.3905726788	0.9999537652	-1.4066818868
1.6565751183	0.6570178588	0.9999537652	-6.0629655178
1.7064255976	0.2607080521	0.9999537652	1.0048788457
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1.1162834585	0.928075067	0.9999537652	2.996475627
-1.2295894174	0.2793843153	0.9999537652	-1.1939503566
1.1708542901	0.3156639245	0.9999537652	-1.1420555567
1.0175079716	0.9001862145	0.9999537652	-1.4401746456
2.7933974408	0.6948713406	0.9999537652	0
1.2199723318	0.7302383051	0.9999537652	-1.411296211
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-1.2277171428	0.6123856021	0.9999537652	1.3706605491
2.7933974408	0.6948713406	0.9999537652	4.9527501949
1.1900847293	0.7146819542	0.9999537652	1.1435880799
1.0415427222	0.8657156359	0.9999537652	1.3165446469
1.0203895018	0.9508330417	0.9999537652	-1.1433807021
2.1966379029	0.3073143036	0.9999537652	-1.1689146499
-1.0438016879	0.8671588789	0.9999537652	1.0548551032
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26.2649513705	0.2127166708	0.9999537652	-2.0338104344
2.7933974408	0.6948713406	0.9999537652	1.5908108123
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2.7933974408	0.6948713406	0.9999537652	-1.1554448798
0	0	0	-1.4680135518
1.1120467753	0.7967618205	0.9999537652	1.0500298609
1.5667419971	0.4960075137	0.9999537652	1.5848797111
4.5505976667	0.5557790267	0.9999537652	-2.0463039075
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-2.0380285376	0.1282113529	0.9999537652	-1.2062349717
-1.3666719636	0.5113910877	0.9999537652	1.4109581402
1.0240467077	0.9668185573	0.9999537652	1.61720377
-1.7365671102	0.4033500878	0.9999537652	2.4865368686
2.7933974408	0.6948713406	0.9999537652	-2.2056994995
4.5505976667	0.5557790267	0.9999537652	-2.8891109792
-2.587194901	0.500618863	0.9999537652	-3.382249888
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	0
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-1.7353594011	0.4459321111	0.9999537652	1.9673405098

gene_expression_table

1.3616660934	0.2159349163	0.9999537652	-1.0067872208
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1.1096169563	0.669335692	0.9999537652	-1.0092471301
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1.0609220037	0.6401979008	0.9999537652	1.084279428
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1.9005950367	0.0676868115	0.9999537652	-1.1034362219
-1.1074481279	0.8575875992	0.9999537652	-1.4326840837
4.5545995984	0.5696558471	0.9999537652	-1.6201500558
1.7104175053	0.1048652315	0.9999537652	-1.1337878997
-1.04162631	0.7623370174	0.9999537652	1.0097261542
1.0504091041	0.7977776268	0.9999537652	1.0022104146
1.0480590319	0.7770635761	0.9999537652	-1.5833562462
2.7933974408	0.6948713406	0.9999537652	-5.3583704783
1.1319366373	0.4016992381	0.9999537652	-1.1185267595
1.0807983733	0.6595218413	0.9999537652	-1.3133215998
1.1469125055	0.6615525102	0.9999537652	-1.3494901439
1.0090502171	0.9637981776	0.9999537652	-1.0885622665
1.5652133061	0.0441764519	0.9999537652	-1.1202116347
1.7746986793	0.5317851422	0.9999537652	-3.4525384698
1.667743132	0.1421869887	0.9999537652	-1.1762989642
1.0044022912	0.9785734695	0.9999537652	-1.0958918134
2.7933974408	0.6948713406	0.9999537652	-3.8965260884
0	0	0	2.996475627
1.2390654071	0.82520923	0.9999537652	-1.2071759626
1.1212615905	0.8764301599	0.9999537652	-2.0441288174
1.2511402761	0.084499103	0.9999537652	1.1897330799
1.0576704962	0.7970535945	0.9999537652	-1.0545433632
1.0345591585	0.8953535086	0.9999537652	-1.1228954974
-1.3033478886	0.1811560729	0.9999537652	-1.0126558696
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1.5829254006	0.3506506439	0.9999537652	-1.2468159874
1.1217848564	0.3227532836	0.9999537652	1.0473343274
1.1235175252	0.5041935744	0.9999537652	-1.3338143901
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1.3222882774	0.2424777075	0.9999537652	-1.3392239908
-1.4936192846	0.5621758208	0.9999537652	-1.1122457742
1.1203334982	0.5531498837	0.9999537652	1.3008388436
0	0	0	-1.8594983184
-1.6973123489	0.5505433209	0.9999537652	1.2398837679
1.1590274252	0.258582843	0.9999537652	1.0120533717
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1.1022883385	0.5764268934	0.9999537652	-1.2667201877
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-1.370241401	0.7724693238	0.9999537652	1.9173151254
0	0	0	-1.3168181252
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gene_expression_table

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1.07253336	0.78580353	0.9999537652	1.0528558492
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1.6112484302	0.1204637404	0.9999537652	-1.304117013
-1.4626255649	0.5298368492	0.9999537652	-2.1669390485
1.0695794985	0.7348037136	0.9999537652	-1.0855762624
13.3437712784	0.3162651917	0.9999537652	-1.4244561168
1.0151793847	0.9341432929	0.9999537652	-1.1920154691
1.3137838062	0.5886536884	0.9999537652	1.037533173
-1.173197598	0.4643320777	0.9999537652	-1.1359129716
-1.9766940606	0.358620074	0.9999537652	1.1401665501
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1.5277506613	0.4225277507	0.9999537652	-1.0180890767
1.2452683054	0.1555964138	0.9999537652	-1.1620149005
2.7933974408	0.6948713406	0.9999537652	1.2398837679
1.8268037885	0.1322238752	0.9999537652	-1.2335121207
1.2178405026	0.3203198634	0.9999537652	-1.2853404188
2.7933974408	0.6948713406	0.9999537652	2.996475627
0	0	0	-1.1441751338
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1.1273856946	0.6700853015	0.9999537652	-1.1091176957
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1.3514036244	0.1486181482	0.9999537652	-1.0159562467
1.2015914834	0.2277435442	0.9999537652	-1.2086785014
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-1.0499779563	0.8284179728	0.9999537652	-1.3051684383
1.096886693	0.7642162676	0.9999537652	1.4399278316
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1.3093074791	0.0287623083	0.9999537652	1.3319353735
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2.7933974408	0.6948713406	0.9999537652	-1.1248877899
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1.0765801366	0.7958610846	0.9999537652	-1.2479152962
1.2883472386	0.71816335	0.9999537652	-1.2289559961
1.2374309422	0.3306815259	0.9999537652	-1.010237061
2.7933974408	0.6948713406	0.9999537652	6.908559683
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1.39402103	0.2962550526	0.9999537652	1.5268412227
1.2880427605	0.2057183098	0.9999537652	1.0495946676
1.0853741222	0.8439081188	0.9999537652	-1.4331260173
1.1189781175	0.5423272372	0.9999537652	-1.2053580476
1.2669247997	0.3880510013	0.9999537652	1.4682927717

gene_expression_table

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-1.388693665	0.4732958489	0.9999537652	-1.1348003577
1.1807437876	0.8018084931	0.9999537652	-1.2943066969
8.064174035	0.4193601177	0.9999537652	1.569740882
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1.1957414578	0.2930410887	0.9999537652	1.0707406718
-1.2652441392	0.6240302144	0.9999537652	1.248996885
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5.9744286098	0.0963038725	0.9999537652	2.6071338396
1.2963066726	0.5604264013	0.9999537652	-1.4531353517
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-1.3921860315	0.6958702853	0.9999537652	1.5101393617
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-1.144260977	0.6721072073	0.9999537652	-1.1490768115
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0	0	0	2.9985540909
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0	0	0	1.6447327969
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2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.9985540909
1.1300026147	0.8581974193	0.9999537652	-1.1766397111
1.3446238497	0.6536590721	0.9999537652	1.0363829803
1.0145384288	0.9641826977	0.9999537652	1.3582219674
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2.7933974408	0.6948713406	0.9999537652	0
1.2179411049	0.5346476273	0.9999537652	1.4550617181
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-1.4230926939	0.1010844731	0.9999537652	1.0074617456
1.3941100335	0.6692274679	0.9999537652	-2.9208553059
2.6834556635	0.0388636945	0.9999537652	1.0981765084
0	0	0	4.9527501949
-1.0505287927	0.9048217003	0.9999537652	-1.192855091
-1.2496138974	0.1472685176	0.9999537652	1.2032028901
1.3825957569	0.7338372779	0.9999537652	-1.1522914685
2.7933974408	0.6948713406	0.9999537652	0

gene_expression_table

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-1.4360591638	0.4556670856	0.9999537652	1.4946811679
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1.7140555608	0.0620104312	0.9999537652	-1.11911955
-1.1767198936	0.7061023112	0.9999537652	-1.6239558842
-1.0774949743	0.8364460793	0.9999537652	1.01754714
1.3057186386	0.56524369	0.9999537652	-1.8138060591
2.7933974408	0.6948713406	0.9999537652	-1.028941223
1.26183282	0.1475013716	0.9999537652	-1.1777037613
1.2078192865	0.7219347201	0.9999537652	-2.2828512392
1.4047673854	0.3095935217	0.9999537652	-1.4401421966
-1.1200597572	0.8287560869	0.9999537652	-1.6240518608
-1.0502073271	0.911448515	0.9999537652	1.1903887318
1.0038911202	0.9939709317	0.9999537652	1.1582963538
1.1420308345	0.4067854983	0.9999537652	-1.2004190879
-1.0295620502	0.9261914817	0.9999537652	-1.155215744
-1.946370632	0.1857990005	0.9999537652	1.7624065711
-1.1749547935	0.7201653657	0.9999537652	-1.3254236684
1.8358183613	0.4505177299	0.9999537652	1.5010966111
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-1.0320459637	0.8910176413	0.9999537652	-1.4584524744
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.5634126039	0.0298508151	0.9999537652	-1.3081825729
22.1262177703	0.2270345719	0.9999537652	-1.2304078955
1.0125121839	0.9161591969	0.9999537652	-1.0603586012
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0	0	0	-1.1248877899
1.8455489546	0.5920200474	0.9999537652	-2.5258795711
6.3075231393	0.4851371974	0.9999537652	-2.856452037
1.0103673638	0.98726175	0.9999537652	2.4547373682
-1.0546659807	0.8124345292	0.9999537652	-1.3852550781
4.5505976667	0.5557790267	0.9999537652	-5.3583704783
1.0627195518	0.8345296817	0.9999537652	-1.1874473805
0	0	0	2.996475627
1.403089636	0.5620043494	0.9999537652	1.1862018982
2.7933974408	0.6948713406	0.9999537652	-5.3589986948
2.3191715895	0.0182156275	0.9999537652	1.263054002
1.8746911302	0.4092150565	0.9999537652	-2.4225156659
1.0114023889	0.9273043938	0.9999537652	-1.2273960838
-6.9736190158	0.2250321147	0.9999537652	1.4832922388
0	0	0	1.2398837679
1.9050337421	0.494542025	0.9999537652	-1.3110578867
1.214708255	0.5522071292	0.9999537652	-1.0398068364
0	0	0	1.6293799659
1.2159455323	0.3959793839	0.9999537652	-1.1942166979
-1.2137025022	0.7120570405	0.9999537652	-1.0924895181
-1.2416227775	0.0982055852	0.9999537652	-1.2488202409
1.0833905814	0.6304476746	0.9999537652	1.0574714368

gene_expression_table

1.0104602496	0.9584720489	0.9999537652	-1.0245370182
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1.0134049843	0.9405641432	0.9999537652	-1.0203406468
-1.0616337161	0.6410566288	0.9999537652	-1.3507383662
-1.2059865214	0.4434670841	0.9999537652	-1.098463088
-1.1575686555	0.7320651848	0.9999537652	1.7404963396
1.1528946509	0.8113509344	0.9999537652	-3.0025255606
15.1008094413	0.2914268618	0.9999537652	-1.1716875133
3.8622037496	0.6191868959	0.9999537652	1.2398837679
1.2351282506	0.4944373567	0.9999537652	-1.0001951152
4.0296627938	0.2233024732	0.9999537652	-1.0970754137
8.064174035	0.4193662786	0.9999537652	1.9432271302
-1.0906160707	0.8545465731	0.9999537652	-1.0791142638
1.1536178917	0.5387970744	0.9999537652	-1.5573397007
1.3462952915	0.5705306309	0.9999537652	1.0674845818
-1.8528879937	0.3353298801	0.9999537652	1.2077225187
-1.0556971843	0.9068945786	0.9999537652	-1.3282920366
-1.1418666168	0.6684034137	0.9999537652	-1.1739369598
1.191852872	0.2616196642	0.9999537652	-1.3773643697
0	0	0	2.996475627
0	0	0	2.996475627
0	0	0	2.9985540909
8.064174035	0.419372449	0.9999537652	6.9133480437
1.5446975432	0.004168	0.9999537652	-1.6739771507
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-1.1358958929	0.4695770407	0.9999537652	1.0213832943
-1.0135764785	0.9800334332	0.9999537652	2.0963273302
11.5766527773	0.3454202303	0.9999537652	-1.973750035
-1.2714855078	0.1777945064	0.9999537652	-1.2468811214
2.0174668837	0.3674430785	0.9999537652	-1.1503912392
8.064174035	0.419378629	0.9999537652	1.8398374193
1.3379068959	0.0223798189	0.9999537652	-1.2951345953
1.5345316606	0.5327294726	0.9999537652	-1.1238239289
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1.2263937571	0.4663331051	0.9999537652	1.0598382063
1.0151088999	0.9515109293	0.9999537652	-1.221851512
1.8876737135	0.3715147966	0.9999537652	1.1995439467
8.064174035	0.4193848186	0.9999537652	-1.8666954137
-2.8713019239	0.220522412	0.9999537652	2.7467800943
1.0703740035	0.5463030357	0.9999537652	-1.1430760337
-1.2028952075	0.6594774492	0.9999537652	1.06377116
-1.372650131	0.3151606867	0.9999537652	-1.3457634457
1.6884354984	0.1767018446	0.9999537652	-1.4624787082
-1.5881166222	0.7193210141	0.9999537652	-1.3534814645
22.1449503561	0.2294584327	0.9999537652	1.006929937
-3.2106792237	0.2294793867	0.9999537652	2.4534858631
16.8575730017	0.2723402166	0.9999537652	-1.5524433849
0	0	0	-1.4681855619

gene_expression_table

0	0	0	2.996475627
1.1808340954	0.4745945147	0.9999537652	-1.1855155006
-2.6706739834	0.3784198081	0.9999537652	-1.3740676439
2.3649792899	0.2792305176	0.9999537652	1.1256490283
1.2660358196	0.2182619771	0.9999537652	1.0356929584
17.3472938331	0.2976125552	0.9999537652	-3.8938703542
1.6342376016	0.0965907016	0.9999537652	-1.3176835538
4.5545995984	0.56965377	0.9999537652	6.908559683
-1.1735894744	0.7690124446	0.9999537652	1.0018943605
1.0431844248	0.7228243872	0.9999537652	1.0599028768
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1.1482250997	0.4167131705	0.9999537652	-1.1333440103
0	0	0	0
-1.2274037453	0.1116278091	0.9999537652	-1.3500171451
-1.9081560885	0.2284524764	0.9999537652	-1.4813754993
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1.1146344094	0.8260558799	0.9999537652	1.0465029305
1.349774274	0.2177212472	0.9999537652	1.2184911367
-1.0833031695	0.8538565791	0.9999537652	-1.4499747611
1.0811396674	0.7124205788	0.9999537652	-1.118580505
1.5149858802	0.654746019	0.9999537652	-1.5745581423
3.3030568913	0.292043189	0.9999537652	-1.2941221818
16.8575730017	0.2723530244	0.9999537652	-1.6606876536
4.5505976667	0.5557790267	0.9999537652	1.2701719397
-1.087032714	0.6489355241	0.9999537652	-1.0010582136
-1.0925649741	0.7196320232	0.9999537652	-1.0656730143
1.2041884279	0.7892803866	0.9999537652	1.0684139388
1.0619058455	0.5899662472	0.9999537652	1.0214091119
1.0988575367	0.410735665	0.9999537652	-1.0211450882
1.472645704	0.0506770442	0.9999537652	-1.2159228596
1.6024984014	0.6872458504	0.9999537652	6.9133480437
1.0791547746	0.7194642476	0.9999537652	-1.1138592499
1.034946767	0.9678872064	0.9999537652	1.7671414969
2.1152390369	0.1043860678	0.9999537652	1.1251537086
-1.053450369	0.8857010664	0.9999537652	-1.228582504
3.0628221549	0.3120234743	0.9999537652	-1.986027526
-1.3341494051	0.1741476301	0.9999537652	-1.4612467315
1.3786410676	0.035938852	0.9999537652	-1.2724516274
1.2760040591	0.15144539	0.9999537652	-1.5292905358
1.2416309862	0.7533444088	0.9999537652	1.0056391713
6.3075231393	0.4851277785	0.9999537652	-1.1629386999
2.0482638049	0.2100977941	0.9999537652	1.1177297064
-1.4750790135	0.6603393192	0.9999537652	1.01694521
1.2147136981	0.4773590211	0.9999537652	1.0506234898
1.0895583843	0.6845624392	0.9999537652	-1.2154636547
-1.6580866023	0.2005178564	0.9999537652	-1.0905508353
1.8131227004	0.33088475	0.9999537652	1.5599463705
-1.1794522573	0.7359752204	0.9999537652	1.6316059346
1.0162548412	0.9686288465	0.9999537652	1.7603231865

gene_expression_table

1.0042347517	0.9748071447	0.9999537652	-1.0696040602
-1.3457716089	0.1051554557	0.9999537652	-1.0749133662
1.1473122003	0.5354836739	0.9999537652	-1.2368306743
1.1072399635	0.7041248674	0.9999537652	1.0368273147
4.5505976667	0.5557790267	0.9999537652	10.818785458
2.7933974408	0.6948713406	0.9999537652	26.4594426731
1.5232415062	0.2494938683	0.9999537652	-1.286466914
-1.058716223	0.8021355877	0.9999537652	1.3182158476
2.7933974408	0.6948713406	0.9999537652	1.4539570206
-1.0821001117	0.7554446584	0.9999537652	1.1238234418
-1.2591700515	0.6875137367	0.9999537652	2.4197893354
4.5545995984	0.569651693	0.9999537652	-5.3589986948
1.1158299481	0.9297712578	0.9999537652	-1.0368675441
-1.368560196	0.7386883633	0.9999537652	-1.9748749398
2.4609030837	0.2530777529	0.9999537652	2.8349310674
-1.0671293958	0.8608734643	0.9999537652	1.2547898049
1.0124541275	0.9326895418	0.9999537652	-1.2597507555
34.4101428749	0.1668536206	0.9999537652	2.3408023448
-1.1444309547	0.4575339	0.9999537652	1.2058662082
0	0	0	1.0031259015
9.8205505243	0.3838237526	0.9999537652	2.030756821
1.6740429925	0.425398107	0.9999537652	-1.1330359562
-3.9820556893	0.0983103654	0.9999537652	4.9561842702
1.2815750993	0.6476708528	0.9999537652	-1.0251004176
-1.0699381068	0.720306221	0.9999537652	1.1022438407
6.3075231393	0.4851183669	0.9999537652	-3.3826461929
0	0	0	-1.1558452152
1.6681177207	0.454544333	0.9999537652	1.716905782
1.0678877326	0.6533519617	0.9999537652	1.0955843554
2.0765723329	0.1342061663	0.9999537652	-1.5303069064
1.0328500538	0.8353845588	0.9999537652	1.0580628577
-1.351636497	0.4106203445	0.9999537652	-1.0589605593
8.064174035	0.4193910179	0.9999537652	-3.384595918
-1.1374032486	0.6752078934	0.9999537652	1.0890568721
1.418815938	0.1040220559	0.9999537652	1.3021853207
-1.8466138227	0.3718389628	0.9999537652	1.278693586
1.3681518085	0.0921915721	0.9999537652	-1.0152952664
-1.1643625881	0.5267268735	0.9999537652	1.5139994866
1.0148519638	0.9659559366	0.9999537652	1.2343188059
-2.5871290907	0.5000781443	0.9999537652	2.9940379764
2.0389656363	0.4520656635	0.9999537652	-1.7020755295
1.1128663284	0.6957180392	0.9999537652	1.3128693803
4.5505976667	0.5557790267	0.9999537652	-1.1632104493
1.050720514	0.9329313325	0.9999537652	-1.5282263687
-1.2396734609	0.7406910918	0.9999537652	2.9972756496
-1.010418368	0.9884526747	0.9999537652	1.4002700172
1.5170591203	0.3314241187	0.9999537652	2.2232514773
-1.2793488238	0.6762444968	0.9999537652	1.5101339254
2.6814021431	0.1540617049	0.9999537652	-1.2307795458

gene_expression_table

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0	0	0	2.9985540909
11.5766527773	0.3454186666	0.9999537652	-5.3583704783
4.5505976667	0.5557790267	0.9999537652	1.2676116495
4.5545995984	0.5696496161	0.9999537652	-2.5900575084
1.1701996185	0.4989884039	0.9999537652	-1.1769058092
-1.2436434669	0.606668197	0.9999537652	-1.222629269
1.2215679218	0.759946732	0.9999537652	-1.0363551544
-1.258552828	0.6727634901	0.9999537652	1.8167613353
2.7933974408	0.6948713406	0.9999537652	-3.384595918
-1.1091397827	0.7635448436	0.9999537652	-1.8842864578
-1.3197821904	0.6507559826	0.9999537652	-1.7033379786
5.8024455297	0.2158134709	0.9999537652	0
1.2350972138	0.6116303428	0.9999537652	1.1637628085
0	0	0	-2.2890929548
0	0	0	1.0682244185
-1.586167124	0.7108672696	0.9999537652	6.1545167512
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1.1272401212	0.8389811038	0.9999537652	1.2815412708
1.4696819851	0.3458444478	0.9999537652	1.3052581491
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	12.3846842502
1.1305291038	0.8399998973	0.9999537652	3.6976146343
1.2100129772	0.212838484	0.9999537652	-1.0124907198
6.3075231393	0.4851089626	0.9999537652	0
-1.1134398134	0.7427416875	0.9999537652	1.0634834426
1.037711622	0.8338821169	0.9999537652	-1.1947369696
1.3575279261	0.1970311382	0.9999537652	-1.2021903268
-1.1617983164	0.3785074407	0.9999537652	-1.1148147701
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-1.0409763036	0.9352214459	0.9999537652	1.1836307135
-1.7140706619	0.5271586641	0.9999537652	-1.0625358683
-1.034717661	0.8544063116	0.9999537652	-1.1623795131
1.180187422	0.2983911583	0.9999537652	-1.1314673151
-1.0197466857	0.882047514	0.9999537652	-1.2037086373
15.0880352532	0.2935756102	0.9999537652	-1.1503049253
-1.5428233137	0.4119504765	0.9999537652	-1.373027903
0	0	0	6.908559683
0	0	0	2.996475627
1.3826895979	0.0539450536	0.9999537652	-1.1488026002
-1.393435122	0.6849930345	0.9999537652	-1.647673557
3.3045913726	0.283082629	0.9999537652	1.0165948208
-1.1878405995	0.6481791441	0.9999537652	-1.4369273505
1.3594099105	0.7965814627	0.9999537652	1.3448856344
-1.4026939728	0.0530130199	0.9999537652	-1.2313618149
-1.5875118025	0.7198552203	0.9999537652	-2.839009059
2.1973466799	0.2904785797	0.9999537652	1.1103092415

gene_expression_table

8.064174035	0.4193972267	0.9999537652	6.9133480437
3.8622037496	0.6191559473	0.9999537652	0
2.7933974408	0.6948713406	0.9999537652	4.9527501949
4.5505976667	0.5557790267	0.9999537652	0
-3.8114682973	0.0471558261	0.9999537652	3.1880366645
-1.1443156703	0.3480868913	0.9999537652	1.1260203733
-20.4075039392	0.0218955863	0.9999537652	24.9357983742
1.234311755	0.4790701567	0.9999537652	-1.0006916416
-1.2301913722	0.7670414376	0.9999537652	-1.9665272784
1.1958895821	0.8153214677	0.9999537652	-1.5275589953
-1.3187888541	0.1348769593	0.9999537652	-1.5827577202
-1.6424310402	0.4233747791	0.9999537652	-1.230245554
1.2529672008	0.2358517993	0.9999537652	-1.279781972
1.0188924992	0.9296854887	0.9999537652	1.099545523
-1.1708143936	0.8340608861	0.9999537652	1.3324118025
1.5426605882	0.2026257795	0.9999537652	1.8627466464
0	0	0	-1.1102514825
-3.1203910316	0.2339919831	0.9999537652	-1.4978192929
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-1.0534540998	0.6781889754	0.9999537652	-1.3790135508
1.0443783564	0.8441914576	0.9999537652	1.3213255487
16.8433158146	0.2737991955	0.9999537652	39.4416233421
-1.2619381918	0.6777884501	0.9999537652	-1.3086774402
-1.1460379741	0.5969353735	0.9999537652	-1.4044603147
0	0	0	8.8761957907
-1.6994504307	0.5419238448	0.9999537652	2.4596721034
-1.0583261614	0.9255582372	0.9999537652	1.6669149077
1.0828767608	0.5112206895	0.9999537652	1.0774153077
-1.3444413857	0.0519313115	0.9999537652	-1.1574012797
1.0702722079	0.8551624179	0.9999537652	1.1318700978
1.143529603	0.7243918451	0.9999537652	-1.3121044357
2.044883541	0.1864114465	0.9999537652	-2.2138120489
0	0	0	33.3754495834
1.2302887969	0.5310426177	0.9999537652	-1.4416799564
-1.343917123	0.3988303718	0.9999537652	-1.5448580467
-1.4662362166	0.1433122262	0.9999537652	-1.5492751053
1.7682213732	0.3139689864	0.9999537652	1.6362770216
1.6180778276	0.2487375003	0.9999537652	1.0790227481
-1.1447852916	0.9152929442	0.9999537652	18.6486518258
-1.0463517569	0.8554793608	0.9999537652	1.0651198214
1.3007488027	0.3993948277	0.9999537652	-1.1411165095
1.9058703168	0.4679276633	0.9999537652	1.9844330535
1.0468975627	0.7464121219	0.9999537652	-1.2154533569
1.0631479972	0.7851098446	0.9999537652	1.0571125433
-1.3685950045	0.7393763031	0.9999537652	1.2398837679
-1.5861169239	0.7137687045	0.9999537652	0
1.1451126686	0.5005121455	0.9999537652	-1.1039793627
-1.250682192	0.3186708398	0.9999537652	1.0416843349
1.3241821346	0.1993293329	0.9999537652	1.0036840783

gene_expression_table

1.6626752525	0.5077518681	0.9999537652	-2.0129022119
0	0	0	15.7262184124
0	0	0	2.996475627
1.1162834585	0.9281644509	0.9999537652	12.7909013375
-1.7819050662	0.0779101934	0.9999537652	1.2384480575
2.7933974408	0.6948713406	0.9999537652	2.996475627
-1.5875118025	0.7201250889	0.9999537652	1.1034199328
-1.2429919493	0.5566467392	0.9999537652	1.0393772297
-1.3116175838	0.1950619506	0.9999537652	-1.3102788073
-1.4622790761	0.3932923345	0.9999537652	1.0897767381
1.0561264997	0.8875920417	0.9999537652	-1.5045819864
-1.0228110582	0.9555325496	0.9999537652	1.1982721806
1.1141578549	0.7726968874	0.9999537652	-1.1926011489
2.7933974408	0.6948713406	0.9999537652	0
8.064174035	0.4194034453	0.9999537652	10.8337816869
1.5031431015	0.2194430396	0.9999537652	1.0670865011
1.438563165	0.2491635166	0.9999537652	1.0491812593
-1.8846957778	0.1771403868	0.9999537652	-2.0193672047
-1.4227986927	0.2954201233	0.9999537652	-1.1060533884
-1.6056235628	0.4468273523	0.9999537652	1.2740027272
-1.4962412698	0.3576504131	0.9999537652	1.0183769815
-1.1589122199	0.71798473	0.9999537652	-1.2095148632
-1.5287863393	0.4981532473	0.9999537652	-1.1682882678
1.2777749361	0.677384887	0.9999537652	1.5744318196
1.1260260935	0.8880845748	0.9999537652	-1.7076891067
1.7936180972	0.6488788917	0.9999537652	-5.7442173985
2.3466011022	0.2311108724	0.9999537652	1.0930472557
1.6024984014	0.6872276041	0.9999537652	1.590997316
-1.7164821341	0.1942706	0.9999537652	1.4244023721
-1.0552135611	0.8731965347	0.9999537652	2.5459274337
1.0619782594	0.8731530096	0.9999537652	-1.0249966481
-1.0102815366	0.9857996617	0.9999537652	1.1454461625
-2.1299793114	0.4794574753	0.9999537652	-5.3583704783
2.7957660672	0.7055140695	0.9999537652	0
4.5505976667	0.5557790267	0.9999537652	14.7475552392
0	0	0	0
6.3128691894	0.4808030983	0.9999537652	0
1.1871343615	0.4870818116	0.9999537652	1.3924284007
1.6827116179	0.2817949364	0.9999537652	-1.5267058412
1.1230829931	0.9008178848	0.9999537652	-1.6856836243
2.7558710195	0.1132540706	0.9999537652	1.2176277036
1.4900223999	0.2338840004	0.9999537652	-1.5686003931
-1.1276081398	0.8489218316	0.9999537652	1.0967635494
0	0	0	-2.4867043709
1.0123914647	0.915927378	0.9999537652	1.0132432847
0	0	0	2.996475627
-1.2204550169	0.4715208525	0.9999537652	-1.3859533801
-4.815549291	0.1727185641	0.9999537652	-1.313384656
-2.3372359995	0.2552173964	0.9999537652	2.8644035913

gene_expression_table

3.5991848458	0.0150765676	0.9999537652	-1.0503184456
1.022832683	0.9685671225	0.9999537652	-1.1440555758
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1.1526842441	0.6560572327	0.9999537652	-1.3018392326
1.0996862317	0.5283122123	0.9999537652	-1.0151132918
-1.1253017056	0.4644358313	0.9999537652	-1.1764330945
1.1403316133	0.4457765861	0.9999537652	1.2664733768
1.9075275807	0.1947299963	0.9999537652	-1.1016246679
1.1264016939	0.7479180542	0.9999537652	-1.0503566672
1.0974854953	0.5252282463	0.9999537652	1.1020293836
1.1970988109	0.3704267018	0.9999537652	-1.2146438781
8.0710074692	0.4204322566	0.9999537652	6.908559683
0	0	0	1.6293799659
-1.0574860508	0.7014151972	0.9999537652	-1.0843215192
1.2196782492	0.1926009716	0.9999537652	1.0426769517
1.0516386376	0.7615483051	0.9999537652	1.0441694229
1.1278567131	0.5110405008	0.9999537652	1.0063939625
1.2462745639	0.2399338997	0.9999537652	1.0730767346
2.7957660672	0.7055164449	0.9999537652	0
1.3199290799	0.3353047644	0.9999537652	1.0242896905
9.8205505243	0.3838105254	0.9999537652	1.3346184872
1.1198932801	0.4470728356	0.9999537652	1.0507527637
8.064174035	0.4194096735	0.9999537652	-3.466758885
-15.9195842901	0.1124602651	0.9999537652	1.591370391
17.3472938331	0.297631354	0.9999537652	-1.8594983184
1.0763924171	0.8875330403	0.9999537652	1.0150552869
-1.0455811674	0.7204028955	0.9999537652	-1.1559676665
1.0650141675	0.6777655347	0.9999537652	-1.0939699307
1.6032041415	0.6834392951	0.9999537652	1.4861911385
1.1286287893	0.6240548072	0.9999537652	-1.11180564
1.1582396193	0.6922576739	0.9999537652	-3.2663345239
1.5385036419	0.4656340502	0.9999537652	-1.4597659263
-2.2763224034	0.2504844353	0.9999537652	-1.1460915129
-1.0276953307	0.8515367388	0.9999537652	-1.0805217072
1.3588921917	0.7999684864	0.9999537652	1.0931805911
-1.1447836674	0.4429012246	0.9999537652	-1.1317327102
1.6240583657	0.2682060611	0.9999537652	-1.3452041151
1.063401246	0.8425790836	0.9999537652	2.0339270487
9.8205505243	0.3837972826	0.9999537652	0
1.1746478082	0.2217223423	0.9999537652	-1.0537513329
-1.6215746016	0.1442955364	0.9999537652	-1.2351710175
-1.0901760975	0.4968462079	0.9999537652	-1.0196289272
-1.0770850968	0.6209982721	0.9999537652	-1.224794066
1.9363887703	0.3827482325	0.9999537652	-1.2625853971
2.7933974408	0.6948713406	0.9999537652	0
2.503478678	0.001207	0.9999537652	-1.5857625604
-1.2130974397	0.6180421296	0.9999537652	-1.5062569855
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-6.9762758667	0.2571471921	0.9999537652	-1.2195867056

gene_expression_table

-1.0074268848	0.9707523111	0.9999537652	-1.128215671
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1.2223195987	0.2488037169	0.9999537652	1.4528456691
-1.5756849726	0.5089496494	0.9999537652	-1.6404518061
-1.3969646988	0.0744918133	0.9999537652	-1.2880112974
1.0000079996	0.9999537652	0.9999537652	-1.4941378965
1.7202565997	0.3014390102	0.9999537652	-2.6671091064
-1.2817623199	0.5548950806	0.9999537652	-1.2983560702
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9.8035423414	0.0452593727	0.9999537652	1.1350054982
-1.3027991995	0.755731467	0.9999537652	-1.8225907301
1.0635479941	0.7178648941	0.9999537652	-1.2017437107
2.7957660672	0.7055188213	0.9999537652	2.996475627
1.2067548981	0.2185227984	0.9999537652	-1.0061288284
-1.0748561648	0.6285007671	0.9999537652	-1.1042055875
1.8100377663	0.0773764102	0.9999537652	1.0199227096
1.0230551597	0.8875242695	0.9999537652	-1.0649719987
1.2092843852	0.1475182035	0.9999537652	1.2365590694
-1.1553756775	0.402176897	0.9999537652	-1.2651583243
-1.1300185227	0.7420936806	0.9999537652	-1.1417751321
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1.1540990034	0.3339886906	0.9999537652	1.1509487343
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-1.5884256519	0.0315694733	0.9999537652	1.0427096745
1.0746557004	0.5757493135	0.9999537652	1.0859390291
1.0826469763	0.556653833	0.9999537652	1.3791914575
1.0018197503	0.9926551943	0.9999537652	-1.1782355431
1.0858476403	0.6543052954	0.9999537652	-1.1853810054
-1.3057742179	0.3886432643	0.9999537652	1.014076988
1.1172293767	0.9254364973	0.9999537652	1.4542901762
-1.4276367323	0.0931856606	0.9999537652	-1.121967289
-1.0300139697	0.8909425105	0.9999537652	1.1532207259
1.235610588	0.1352873566	0.9999537652	1.2708917827
1.0671862706	0.814487559	0.9999537652	1.0695119091
-1.0836475261	0.6480208417	0.9999537652	1.1046062877
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-2.5861438062	0.4748939165	0.9999537652	1.2593062028
2.2179001574	0.0375169104	0.9999537652	-1.1771623374
0	0	0	0
0	0	0	2.996475627
-1.2011850916	0.1966889454	0.9999537652	1.0606288651
1.2995020274	0.4206388496	0.9999537652	1.253332609
1.2992150871	0.506780862	0.9999537652	-1.2679466736
8.0710074692	0.4204583208	0.9999537652	0
0	0	0	1.4542901762
-1.5121416779	0.3398933898	0.9999537652	-1.1888310928
-1.369198268	0.7561307866	0.9999537652	15.9061931258
1.0290859244	0.8704116947	0.9999537652	1.363360292
-1.0487872257	0.9298568754	0.9999537652	1.4604703382

gene_expression_table

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-2.4110939284	0.0688889082	0.9999537652	-1.3806498298
-1.1494001102	0.775929489	0.9999537652	1.111601668
-1.1351150408	0.3332621682	0.9999537652	1.1186276713
0	0	0	8.8639046058
-1.1118908168	0.8887540616	0.9999537652	1.5233400822
-1.0681040278	0.6401932637	0.9999537652	1.1447909569
1.1329956281	0.7164308121	0.9999537652	1.0463220163
1.4607525075	0.0414051065	0.9999537652	-1.0725439861
-1.2589896649	0.3160518102	0.9999537652	1.0108182692
0	0	0	4.9527501949
-2.7245308968	0.0490546101	0.9999537652	1.5015099363
-1.3002840432	0.5211566511	0.9999537652	-1.3926400799
2.0602460006	0.2287587571	0.9999537652	-1.0705926724
23.8818846228	0.2167080871	0.9999537652	-1.1002339347
-1.4015977922	0.3500050829	0.9999537652	1.9672458041
1.5203380125	0.4686723305	0.9999537652	-1.3247783493
1.1035024722	0.59597711	0.9999537652	1.2672161823
-1.2707862961	0.1236107298	0.9999537652	-1.0881618889
0	0	0	2.996475627
-1.0490673243	0.922034677	0.9999537652	-1.044213841
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1.0932997774	0.5445347426	0.9999537652	1.162616109
1.6351118749	0.0866004483	0.9999537652	-1.131412753
-1.0404989372	0.953295809	0.9999537652	1.411790598
9.8288704632	0.3801114215	0.9999537652	4.0976538475
-1.3248480218	0.1669545853	0.9999537652	-1.0383220698
1.577928447	0.0757006282	0.9999537652	1.0518861416
-1.063334962	0.7829991275	0.9999537652	1.2034762313
3.20757305	0.0408121082	0.9999537652	2.4244866223
-1.0137378958	0.9116254718	0.9999537652	-1.0162274382
-1.1217386794	0.43260323	0.9999537652	1.0436080625
-1.0033742971	0.9905676432	0.9999537652	1.1051263322
-1.0713263371	0.906127381	0.9999537652	-1.35243166
1.2234698515	0.3239584882	0.9999537652	-1.3790493137
-1.2999419354	0.8180884024	0.9999537652	-5.6211326582
4.5545995984	0.5696475393	0.9999537652	8.9512754559
1.1035339639	0.4296512037	0.9999537652	1.012733769
-1.074051266	0.5664675074	0.9999537652	-1.3345315783
-1.1317616859	0.4327208937	0.9999537652	-1.4438309328
-1.216923946	0.3694527347	0.9999537652	-1.1913658023
1.3773829257	0.5420393207	0.9999537652	1.0603226543
1.0975231782	0.5621739622	0.9999537652	-1.3701244318
-1.1407223098	0.3640964219	0.9999537652	1.0288423649
8.064174035	0.4194159115	0.9999537652	2.0149727286
-1.4368650953	0.0914893129	0.9999537652	-1.2626240279
1.7226500049	0.202782067	0.9999537652	-1.6367727885
-1.1099831564	0.4985317761	0.9999537652	1.2152624187
2.0382505185	0.4245727514	0.9999537652	-2.0725678067

gene_expression_table

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6.3128691894	0.4807107715	0.9999537652	0
-1.4297904902	0.1796939141	0.9999537652	1.5193693651
-1.0109448648	0.936742971	0.9999537652	-1.0673048431
-3.8588403224	0.1581097392	0.9999537652	8.8639046058
0	0	0	2.996475627
1.2526375214	0.8108859998	0.9999537652	-3.0936259592
-1.1134750962	0.5236329628	0.9999537652	-1.496047969
0	0	0	2.9985540909
-1.5881570201	0.7078287578	0.9999537652	-5.0090574362
1.2482257223	0.2179162198	0.9999537652	1.1009373405
1.1948778953	0.5569393931	0.9999537652	-1.0167790123
-1.0723427307	0.7541048601	0.9999537652	-1.0449644252
-1.6869835841	0.004008	0.9999537652	-1.1410506349
1.0989597165	0.7507606093	0.9999537652	-1.0704217672
-1.1484450308	0.4246489156	0.9999537652	-1.2171499378
1.0552506149	0.8690707636	0.9999537652	-1.1257715842
1.0010482845	0.9942844235	0.9999537652	-1.0308539013
-1.8701378137	0.0784795006	0.9999537652	-1.2507755863
1.0205474525	0.8942602419	0.9999537652	-1.0708880499
6.3075231393	0.4850995655	0.9999537652	-3.3853891979
1.5753996545	0.0407950023	0.9999537652	-1.0224425695
-1.0690912086	0.8763022403	0.9999537652	-1.6361884696
-1.1766116099	0.5390035096	0.9999537652	-1.0800969431
-1.2326976539	0.7443243936	0.9999537652	1.0595374479
-2.5839527681	0.5181115426	0.9999537652	1.7042814026
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-1.2961143902	0.6360027832	0.9999537652	-1.3668316439
1.276248929	0.1140034765	0.9999537652	1.4988080172
1.0858800109	0.5718292522	0.9999537652	-1.0573232475
1.0903986127	0.6587323632	0.9999537652	-1.383011595
-1.0433941465	0.7256760764	0.9999537652	-1.0366553349
1.2014276949	0.5011945733	0.9999537652	1.2969643111
-1.1241198887	0.3991304618	0.9999537652	1.0845090638
1.164250034	0.6797559362	0.9999537652	-1.0970976532
0	0	0	-1.0727505572
-1.1620890089	0.4695622473	0.9999537652	-1.1906504097
4.5545995984	0.5696454625	0.9999537652	1.8468806494
-1.2975978325	0.4275321118	0.9999537652	-1.4397922351
-1.7044043661	0.1989076531	0.9999537652	1.2371045246
-1.0338564951	0.8646373666	0.9999537652	1.1907047903
1.1699151473	0.6464590602	0.9999537652	1.0386707371
-1.0819818974	0.7771607755	0.9999537652	1.2395491944
-1.1029907237	0.6497798995	0.9999537652	-1.0176857649
-1.0040388734	0.9904739495	0.9999537652	1.0176928704
-1.3363021608	0.3522081585	0.9999537652	-1.0339503721
1.2951200919	0.4931517382	0.9999537652	1.0825176271
1.0583880499	0.7068505961	0.9999537652	-1.1565164157
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gene_expression_table

2.7933974408	0.6948713406	0.9999537652	8.8700459102
1.0804595421	0.7378009485	0.9999537652	-1.0979409177
1.0795517636	0.6744844578	0.9999537652	-1.1121025595
1.6046550712	0.6810120677	0.9999537652	-1.2749878971
1.1212392628	0.5421465795	0.9999537652	-1.0023651245
-1.5394092355	0.0271733208	0.9999537652	-1.6158088087
-1.1390108139	0.6186677603	0.9999537652	-1.275526239
-1.007454716	0.9530442058	0.9999537652	-1.071930311
-1.0224441726	0.8606037291	0.9999537652	1.0578255187
-1.1184676139	0.5109886106	0.9999537652	-1.0140341426
1.1170153023	0.6233778091	0.9999537652	-1.0005956804
0	0	0	6.908559683
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1.1883473308	0.4316586356	0.9999537652	1.196382233
1.0541171147	0.8781912007	0.9999537652	-1.0711004689
-1.1264949047	0.6473203794	0.9999537652	-1.4706253601
-1.1387882964	0.3425324947	0.9999537652	1.1119624704
1.6368695344	0.2654456881	0.9999537652	1.1553495621
1.0285188052	0.8789907155	0.9999537652	-1.2387413167
-1.0143615881	0.9367861037	0.9999537652	1.0320238442
-1.103045968	0.8197984048	0.9999537652	1.2541909535
2.4683706953	0.2710146482	0.9999537652	-1.3712612654
1.1221638072	0.9024799169	0.9999537652	2.2717261431
-1.0537456786	0.7911024955	0.9999537652	-1.0435090838
1.4030593221	0.5131397053	0.9999537652	-1.3213352774
1.0331225636	0.823902041	0.9999537652	1.1432365567
1.2384590172	0.6360278263	0.9999537652	1.2690896005
-1.2168566013	0.3846209613	0.9999537652	1.3330102335
-1.2457534506	0.3163792637	0.9999537652	-1.1473129108
0	0	0	4.9527501949
1.4785821667	0.2954671978	0.9999537652	-1.1001091216
-1.2272625392	0.5431415494	0.9999537652	1.4343081104
6.3075231393	0.4850901757	0.9999537652	-1.859280336
4.5505976667	0.5557790267	0.9999537652	14.7271569203
1.1249057005	0.754500404	0.9999537652	1.2179128543
0	0	0	1.590997316
1.4268022358	0.2422845296	0.9999537652	-1.2652214082
-1.2182878375	0.5590720069	0.9999537652	1.2350889974
-1.2296455092	0.7706709362	0.9999537652	-4.7716407405
-1.2262293166	0.2877521498	0.9999537652	-1.0866535397
1.1854845115	0.6763969274	0.9999537652	-1.2421176396
2.204523133	0.0938901638	0.9999537652	-1.0956458214
1.0551815701	0.7465789438	0.9999537652	1.289175658
1.3136596018	0.4583011223	0.9999537652	-1.3277209335
-1.0435274445	0.8922441435	0.9999537652	-1.1127572418
1.4742536511	0.376944677	0.9999537652	-1.0420566599
-1.010457517	0.9368049184	0.9999537652	-1.1573771318
1.6386722747	0.3726583339	0.9999537652	-1.1249021223
16.8433158146	0.2738688772	0.9999537652	-1.9435868636

gene_expression_table

-1.1758790375	0.5376095513	0.9999537652	1.0474221133
1.237653776	0.1451258348	0.9999537652	-1.6910220418
-2.2765895442	0.2466976634	0.9999537652	-1.4504059134
15.0880352532	0.2934043377	0.9999537652	-2.0131031796
-1.0933012256	0.777593082	0.9999537652	-1.0690661743
4.5505976667	0.5557790267	0.9999537652	26.4777255918
-1.0085355311	0.9930378932	0.9999537652	1.9432271302
29.8698312703	0.2178162544	0.9999537652	-2.0477227478
-1.5381739117	0.237480494	0.9999537652	-1.4741003796
-1.2383574185	0.2519178174	0.9999537652	-1.1485322747
1.5389507255	0.4921199992	0.9999537652	-1.2721024789
1.132735359	0.4839367451	0.9999537652	1.0004381978
0	0	0	1.5908108123
1.0846676983	0.4905809627	0.9999537652	1.1825084201
-1.668764792	0.6521049629	0.9999537652	1.4380982837
-1.0556403821	0.7527330003	0.9999537652	-1.1992166791
-1.0317298804	0.8696656408	0.9999537652	-1.1374369046
1.4163115192	0.2636769146	0.9999537652	1.0062753509
1.9066445334	0.4740584396	0.9999537652	1.5537663683
1.3400712069	0.1854412337	0.9999537652	-1.3590216973
-1.4270565985	0.2158159237	0.9999537652	1.0926621754
-1.1447490371	0.9152039999	0.9999537652	-17.3329126105
4.5166078038	0.1766694351	0.9999537652	2.996475627
1.1209420802	0.4093111056	0.9999537652	-1.1120096618
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	2.996475627
0	0	0	1.590997316
1.8844843324	0.005516	0.9999537652	-1.0394786074
4.5115277415	0.079829615	0.9999537652	1.1904248789
-1.1123231904	0.7564494424	0.9999537652	-1.3226713131
1.8585605296	0.1812392074	0.9999537652	1.2565167478
1.4956507458	0.4398248268	0.9999537652	-1.4244126558
1.276812955	0.4812003383	0.9999537652	-1.3176374119
2.7933974408	0.6948713406	0.9999537652	-1.1503049253
-1.1048877431	0.5739081598	0.9999537652	1.2346315359
2.7520178873	0.1481642386	0.9999537652	-1.2587979171
-2.5871290907	0.5000688344	0.9999537652	3.3445905597
-1.7652571835	0.0659506084	0.9999537652	-1.176385356
-1.0653664483	0.8465143199	0.9999537652	-1.0018310437
4.6654312047	0.0004305	0.9999537652	1.594530159
1.3208497255	0.518052141	0.9999537652	-1.0846843115
-1.4149785476	0.1218778756	0.9999537652	-1.3994497245
0	0	0	2.996475627
2.7957660672	0.7055235769	0.9999537652	-1.2214576418
1.0408601071	0.8297347817	0.9999537652	-1.1990449332
1.0566150785	0.8640192865	0.9999537652	1.0499867029
1.7738745164	0.5343515944	0.9999537652	18.6336779883
-1.0391372056	0.9528707401	0.9999537652	1.3234054731
1.2491784013	0.3297271378	0.9999537652	1.2046928615

gene_expression_table

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-1.0245769117	0.9195673649	0.9999537652	-1.097279382
-1.3912856256	0.4180925669	0.9999537652	1.007010439
85.6500119782	0.0835799918	0.9999537652	2.5233586594
1.3172108461	0.1425652383	0.9999537652	-1.1218893772
2.3461886365	0.008532	0.9999537652	-1.3304834327
-1.2410216542	0.1174367276	0.9999537652	-1.090670444
-1.11819709	0.4550548529	0.9999537652	1.0494952079
1.1916669781	0.2585188334	0.9999537652	-1.3234395348
1.3024093443	0.2726204517	0.9999537652	1.0119529652
0	0	0	2.9985540909
-1.4034442924	0.0328407811	0.9999537652	-1.0236311959
-1.0103773406	0.9733064539	0.9999537652	-1.4859171843
-1.2477568887	0.5447656874	0.9999537652	-1.3326624714
-1.0362145677	0.8452332041	0.9999537652	-1.1686962495
1.4205746494	0.476038906	0.9999537652	-1.0425181343
1.1317396891	0.5333938925	0.9999537652	1.132326217
-1.8332325169	0.2547506675	0.9999537652	-1.0432965625
2.2198211934	0.0917975693	0.9999537652	1.2049119316
-1.0466832537	0.8303413964	0.9999537652	1.1808107261
1.1167754821	0.9277512034	0.9999537652	-1.5087935345
1.1939731432	0.2851455618	0.9999537652	-1.4982330779
-2.7740269098	0.2151947459	0.9999537652	-2.5763095902
1.6710714369	0.4504946823	0.9999537652	1.2268431205
1.8455489546	0.5920264881	0.9999537652	-1.0953721119
-1.0887021823	0.5646330745	0.9999537652	-1.0636099664
-1.0542443527	0.7967303187	0.9999537652	1.5211085816
1.2316932874	0.6543414355	0.9999537652	1.2806145297
-1.0820712914	0.6980781435	0.9999537652	-1.1421430704
1.1902735921	0.6836860152	0.9999537652	-1.5242622678
2.7933974408	0.6948713406	0.9999537652	2.996475627
1.0484842868	0.8777552251	0.9999537652	-1.1450238802
-1.1605169044	0.8770226491	0.9999537652	1.6464401882
1.5385690594	0.0558287068	0.9999537652	1.35499568
2.7933974408	0.6948713406	0.9999537652	0
1.3215409268	0.1721006838	0.9999537652	1.3363100178
1.416057543	0.1690519695	0.9999537652	1.067283092
1.0774360859	0.7019347639	0.9999537652	-1.015007029
-1.4354957421	0.2144268943	0.9999537652	-1.1506170694
11.5766527773	0.3454083239	0.9999537652	1.2698746349
-6.6829003845	8.30E-05	0.6382149566	-2.0277560291
1.7785996228	0.003753	0.9999537652	1.0415475608
11.5966493128	0.3442508969	0.9999537652	3.9662067717
0	0	0	-2.6269410807
30.8757261591	0.1832471885	0.9999537652	-1.8686445933
-1.0102577328	0.9453702519	0.9999537652	-1.1344574504
-1.1222924563	0.3584395646	0.9999537652	-1.0222572477
0	0	0	6.908559683
-1.0942568408	0.8334457746	0.9999537652	-1.7104086043

gene_expression_table

-1.1154970392	0.6175770483	0.9999537652	1.1882547662
-1.1365734422	0.5062325472	0.9999537652	-1.1544245831
1.1736492426	0.5731223124	0.9999537652	-1.2093051167
1.034927222	0.8565418249	0.9999537652	-1.3219532138
-1.037288508	0.8107260933	0.9999537652	1.5944967176
1.0633911734	0.7359435553	0.9999537652	1.047425354
-1.0112420483	0.9844098963	0.9999537652	1.130545974
-1.1457555741	0.9105882642	0.9999537652	1.3730979101
-1.1207926898	0.3352555101	0.9999537652	1.0579882161
-1.1579031467	0.4778520844	0.9999537652	1.0277782216
1.8471118167	0.5851526856	0.9999537652	-5.3589986948
-1.0399132936	0.8308670093	0.9999537652	-1.1159147497
1.1484783125	0.7717381669	0.9999537652	-1.0614166346
1.0597727521	0.7466420066	0.9999537652	1.0411535348
-1.1017436422	0.8220930162	0.9999537652	1.0863300677
13.3324809638	0.3193495606	0.9999537652	-1.9860002794
1.1116123432	0.7564539241	0.9999537652	-1.0542036433
0	0	0	-1.3581071904
-1.777015156	0.0644868647	0.9999537652	-1.1514320004
-1.1025616656	0.5850605966	0.9999537652	1.2196308063
1.0792696037	0.5596759373	0.9999537652	1.1052620368
1.2919142292	0.4960480957	0.9999537652	-1.1790000723
1.6355379708	0.2094580072	0.9999537652	-1.0094237983
1.7087130193	0.1839423524	0.9999537652	1.0826144763
1.0187259402	0.8969119777	0.9999537652	-1.0199712567
-1.4016400111	0.6413973278	0.9999537652	-1.3906070606
-1.0241857312	0.8449569374	0.9999537652	1.0143769034
-1.07837959	0.8616430252	0.9999537652	-1.0414679626
-1.0452438	0.8442350749	0.9999537652	-1.320279003
1.3588921917	0.7998497015	0.9999537652	3.6030199429
1.3271976949	0.6908059814	0.9999537652	-1.8695625541
1.1158299481	0.9297797086	0.9999537652	-2.0477227478
1.1457972302	0.5094256825	0.9999537652	1.1168954247
1.2830731733	0.2308670626	0.9999537652	-1.2832244625
-1.4169132951	0.2396679734	0.9999537652	1.0881070491
-1.1422351649	0.4611257055	0.9999537652	-1.1942345597
2.7957660672	0.7055259561	0.9999537652	0
-1.1024234553	0.6583122988	0.9999537652	1.0973577609
-1.1670800354	0.4041696507	0.9999537652	-1.2126523643
1.0688368103	0.7053589304	0.9999537652	-1.3292742281
1.032552319	0.8461585508	0.9999537652	-1.0103944828
1.0662554746	0.7453543402	0.9999537652	1.1185365673
-1.5643710553	0.3804847966	0.9999537652	5.1481919969
-1.1161721852	0.6100510396	0.9999537652	-1.4090632666
0	0	0	4.9527501949
1.3924641813	0.0563094902	0.9999537652	1.1513599417
1.671629292	0.465334768	0.9999537652	1.125794308
0	0	0	2.996475627
1.7048355104	0.16358517	0.9999537652	-1.3161992606

gene_expression_table

1.1503991893	0.543535535	0.9999537652	-1.170947106
1.2276521349	0.2247827111	0.9999537652	-1.1465581773
1.0794343821	0.9113761966	0.9999537652	1.5247400379
1.343879998	0.6998249381	0.9999537652	-1.071402865
-1.0092422658	0.9697902258	0.9999537652	1.0518885104
-5.1764559054	0.0358969429	0.9999537652	1.0701803436
1.0772326823	0.8240633841	0.9999537652	1.2382065883
1.101152236	0.4919868085	0.9999537652	-1.2818319516
-1.1776184739	0.746468579	0.9999537652	-1.6302923146
-1.1457555741	0.910571956	0.9999537652	-2.6181175393
1.2281238208	0.1437525755	0.9999537652	-1.1795906443
-1.1608106207	0.3085970267	0.9999537652	-1.082740225
-1.0534822785	0.8385756062	0.9999537652	1.0693662477
0	0	0	2.2217890137
-1.3886329778	0.3101969502	0.9999537652	-1.5130485783
1.121795781	0.5205782298	0.9999537652	-1.102257063
1.5256842953	0.4013624821	0.9999537652	-1.3769722583
1.0584154638	0.7651746629	0.9999537652	1.0056528517
-1.0656835295	0.8749174417	0.9999537652	-1.6422376232
1.0397361931	0.9294787113	0.9999537652	-1.4266768545
-1.1777127504	0.5425376769	0.9999537652	1.1234612537
-1.7936922955	0.4660695729	0.9999537652	-3.1688506665
1.253661757	0.1699072903	0.9999537652	-1.2739212131
1.2609036704	0.3550098983	0.9999537652	-1.2303135515
-1.2435663335	0.2408037564	0.9999537652	1.1915912749
3.0643454819	0.3120649314	0.9999537652	1.0138718302
0	0	0	-5.3583704783
0	0	0	0
2.4307668446	0.2876836765	0.9999537652	-1.0751015612
-1.1772599164	0.4482316707	0.9999537652	-1.061072143
0	0	0	2.5938834885
-1.0824631274	0.8358621057	0.9999537652	1.2086543503
27.369260276	0.2000494026	0.9999537652	-1.1411969817
-1.7438320327	0.5074107466	0.9999537652	1.399968965
-6.5577136368	0.001583	0.9999537652	-1.0462859193
2.7933974408	0.6948713406	0.9999537652	10.818785458
2.7933974408	0.6948713406	0.9999537652	0
27.7226916631	0.2128734045	0.9999537652	1.3467382728
-1.2397660874	0.3458735515	0.9999537652	1.1039377613
1.2157816924	0.3316256424	0.9999537652	1.1277834379
-6.9736190158	0.2250321147	0.9999537652	12.3846842502
1.2289869031	0.6574568792	0.9999537652	-2.0852514066
1.6483580263	0.0402941117	0.9999537652	-1.0712719774
1.1177865052	0.9286373457	0.9999537652	1.9418822056
1.0113931203	0.972066166	0.9999537652	1.0050125339
1.0791087817	0.5539625938	0.9999537652	1.1981755059
-1.122767557	0.6951389334	0.9999537652	1.1299525771
-1.034157361	0.8405519423	0.9999537652	1.0747380576
-1.1457555741	0.9105755498	0.9999537652	2.996475627

gene_expression_table

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-1.2154673509	0.3712458678	0.9999537652	1.1843346827
1.1880119602	0.6701998571	0.9999537652	-1.0864953517
-1.1145487473	0.5130493877	0.9999537652	1.0987144999
1.0492483407	0.6945871742	0.9999537652	1.1150380916
-1.586811795	0.716742255	0.9999537652	1.9305383734
-1.1828551405	0.5710218691	0.9999537652	1.1952558649
-2.8782708378	0.1779564275	0.9999537652	1.0674845818
1.1216701798	0.9024721268	0.9999537652	-1.6635832525
1.015350556	0.8996277398	0.9999537652	1.1343325924
-1.3636173358	0.3399330952	0.9999537652	1.5942285498
1.2902250022	0.0840760414	0.9999537652	1.3442549415
-1.2134962926	0.484998831	0.9999537652	-1.0206294124
1.0558087725	0.8867881084	0.9999537652	-1.2301065239
9.8372048419	0.3843085791	0.9999537652	1.1001085314
43.2519505013	0.1383053945	0.9999537652	-1.4354930872
1.0213667383	0.9002253275	0.9999537652	-1.1173924018
1.1893183402	0.6003368428	0.9999537652	-1.1894568553
-1.0039312271	0.9889525391	0.9999537652	1.1224258875
-1.5881570201	0.7104954826	0.9999537652	1.4367288239
1.7927701543	0.003629	0.9999537652	-1.0771653991
-1.078505798	0.6839680568	0.9999537652	-1.0847921732
1.3153276664	0.0828340704	0.9999537652	1.2159413622
-1.1385017487	0.4777225355	0.9999537652	1.0154229768
1.1391083023	0.5752644496	0.9999537652	-1.0280150033
1.0204515276	0.9024349976	0.9999537652	-1.0215679756
1.0077278019	0.9569012455	0.9999537652	-1.1315347652
1.1036803303	0.4874676167	0.9999537652	1.1789544506
1.3946258785	0.107662583	0.9999537652	1.1868450122
1.338776268	0.4097951244	0.9999537652	-1.0253718085
-1.0597738355	0.8149616692	0.9999537652	1.0342991795
1.1053606867	0.4206638598	0.9999537652	1.081129869
-1.0646509197	0.6601503787	0.9999537652	1.0057982041
-2.7739563827	0.2141457904	0.9999537652	-6.262381099
1.9992276705	0.0188216276	0.9999537652	1.6105563021
4.5544554512	0.5691114569	0.9999537652	-1.1441751338
2.5560713637	0.2244365447	0.9999537652	1.0102910746
1.3970678716	0.0562074453	0.9999537652	-1.021132696
1.0245802971	0.885707349	0.9999537652	-1.2063358888
1.2683954833	0.5238426255	0.9999537652	-1.7820707453
-1.25001277	0.3023648867	0.9999537652	1.1171763061
13.3324809638	0.3193572283	0.9999537652	-14.4562307049
1.0466162917	0.8062307767	0.9999537652	1.2334460931
-1.3823836963	0.2093859926	0.9999537652	1.6238763338
1.074999585	0.7083689571	0.9999537652	1.0671453893
0	0	0	4.9527501949
-1.6666745839	0.6134564792	0.9999537652	1.532480552
1.0542464528	0.851462818	0.9999537652	-1.0062619915
1.3843118609	0.2871718928	0.9999537652	-1.1031146131

gene_expression_table

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1.0217638108	0.9275922459	0.9999537652	1.0177837522
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-6.9736190158	0.2250321147	0.9999537652	24.4899985757
1.3911069039	0.6824958828	0.9999537652	-4.4401050878
-2.0766225707	0.0650572093	0.9999537652	-1.3591196342
-1.1905930305	0.2551984552	0.9999537652	-1.2646849194
1.246980349	0.1272828037	0.9999537652	1.3236358918
1.2173697394	0.3380293835	0.9999537652	1.1577041964
-1.1371386432	0.263782006	0.9999537652	1.0784877285
-1.102162793	0.5633734177	0.9999537652	1.2213281979
1.7476005214	0.4809986477	0.9999537652	-1.7402957735
-1.5875118025	0.7210671248	0.9999537652	-3.0249801457
0	0	0	0
1.3826309223	0.7329507267	0.9999537652	3.9589389566
1.0021669913	0.9912472332	0.9999537652	-1.1013804027
8.064174035	0.4194221592	0.9999537652	1.2674637396
0	0	0	2.9985540909
-1.4017655923	0.402386176	0.9999537652	-1.0755112179
-1.0162042674	0.9541742894	0.9999537652	-1.2073356628
-1.4685406098	0.1384957579	0.9999537652	1.273494796
2.6532911141	0.1038819751	0.9999537652	-1.0137170537
-1.17513703	0.7528126867	0.9999537652	2.0848300342
1.0318295738	0.8802273096	0.9999537652	1.0729654707
-1.2721916713	0.7569555928	0.9999537652	-1.5440473325
1.1167754821	0.9277522878	0.9999537652	-2.1285142809
-1.1013045071	0.7504155434	0.9999537652	-1.7565101817
1.0563667559	0.9343995892	0.9999537652	1.0254869434
-1.271448481	0.305182213	0.9999537652	-1.130130951
-1.1734992811	0.2832060493	0.9999537652	-1.222879627
-1.3125418099	0.2025065884	0.9999537652	-1.0587156129
0	0	0	-1.0736853543
-1.0537663165	0.7875406635	0.9999537652	-1.1785874642
1.6026102837	0.0959362612	0.9999537652	-1.179973074
-1.2803144096	0.1954813188	0.9999537652	-1.9594929259
-1.6062706965	0.4071429856	0.9999537652	-1.1640071036
2.6206366172	0.1455366619	0.9999537652	1.5580155169
-1.4428391683	0.0204007428	0.9999537652	-1.1816805323
-1.0165584389	0.9006997208	0.9999537652	-1.466780655
1.2122901119	0.1142854112	0.9999537652	1.1214755013
-1.0475832478	0.8254290455	0.9999537652	-1.1907308559
-1.0317350572	0.8223023426	0.9999537652	-1.028943166
1.0785123831	0.7675217623	0.9999537652	1.0727703548
-1.2749535851	0.1742982058	0.9999537652	-1.0418246644
1.6081277835	0.181921397	0.9999537652	2.10295626
-1.9429524323	0.4335406868	0.9999537652	-2.0718935183
1.1070112236	0.4822276274	0.9999537652	-1.3220035147
1.2218501334	0.33400344	0.9999537652	-1.2258814027

gene_expression_table

-1.1528956697	0.4420305933	0.9999537652	1.0236279578
-1.4041359274	0.5989398136	0.9999537652	1.6026084528
2.6791577165	0.1814540818	0.9999537652	-1.323124154
0	0	0	2.996475627
-1.1916821274	0.1758406931	0.9999537652	-1.2194501867
1.0990335097	0.4861099775	0.9999537652	-1.2532832654
1.0317023194	0.8110996527	0.9999537652	-1.1478004577
-1.1709147062	0.1762768936	0.9999537652	-1.425451599
1.0714411381	0.7391351348	0.9999537652	1.0673294167
11.5766527773	0.3453979996	0.9999537652	-1.619960364
1.118472422	0.6064879063	0.9999537652	-1.2909867644
-1.2710840668	0.4888601359	0.9999537652	-1.073933606
-2.4387448463	0.350320906	0.9999537652	1.8775765352
-1.044265872	0.7915801916	0.9999537652	-1.3597456187
1.0969890895	0.7618913834	0.9999537652	-1.7689304763
15.0880352532	0.2933962091	0.9999537652	-2.2267949004
-1.6267789228	0.4332034012	0.9999537652	-1.1146012341
1.2179071343	0.3245571665	0.9999537652	-1.5631120287
1.0748593979	0.6945648695	0.9999537652	-1.4137569598
-1.3181038637	0.660883906	0.9999537652	-1.3338590027
1.7770533563	0.1559966928	0.9999537652	-1.4713629668
-1.4374007791	0.1368363757	0.9999537652	1.235105271
-1.0752136643	0.7409241885	0.9999537652	1.1247584868
1.1561297187	0.6994753453	0.9999537652	1.4123528595
1.0771240962	0.6043945373	0.9999537652	-1.3676352739
0	0	0	-1.1248877899
1.0063866681	0.9646263483	0.9999537652	1.0673656124
-2.1848874448	0.2485164924	0.9999537652	2.2266622154
-1.3727891389	0.1434621015	0.9999537652	-1.1077010752
1.0929869337	0.7496665471	0.9999537652	-1.3360782943
1.8447991669	0.5955682701	0.9999537652	-3.2520699103
4.2332151529	0.1683009855	0.9999537652	-1.1345231394
8.064174035	0.4194284167	0.9999537652	0
1.0588714969	0.6950353352	0.9999537652	-1.1870673991
-1.356320743	0.1186748243	0.9999537652	-1.0146697206
-1.0350598224	0.8240623864	0.9999537652	-1.0778236326
-1.4144052759	0.4358234851	0.9999537652	-1.2705771923
1.0563036173	0.7793106249	0.9999537652	1.1171219355
-1.7169693606	0.5214600757	0.9999537652	-6.7496343228
-1.0662991483	0.8072802465	0.9999537652	-1.8034001629
2.7933974408	0.6948713406	0.9999537652	14.7271569203
1.4271180501	0.6554148992	0.9999537652	2.9666211993
1.1059952251	0.8326433367	0.9999537652	1.3336511346
8.064174035	0.419434684	0.9999537652	1.6778989432
-1.0756344936	0.7540173594	0.9999537652	-1.1078604286
1.1574430789	0.7666234673	0.9999537652	-1.6569452998
-1.6246276659	0.0119974418	0.9999537652	-1.3875954909
1.2031295302	0.4088581153	0.9999537652	-1.019488001
-1.9866409174	0.2172263406	0.9999537652	-1.0929796937

gene_expression_table

1.0084785312	0.9732918891	0.9999537652	-1.043895419
-1.1384365954	0.4711946492	0.9999537652	-1.0279632609
1.1334661355	0.5297372697	0.9999537652	1.2676452832
-1.0735894262	0.7648240361	0.9999537652	-1.2213622781
-1.1559908397	0.6622902392	0.9999537652	-1.7612825391
9.8205505243	0.383784024	0.9999537652	-1.6175548097
6.3075231393	0.4850807931	0.9999537652	-9.4802220615
-1.084779055	0.9219811384	0.9999537652	-1.7016325867
-1.1918212237	0.4648087453	0.9999537652	-1.0702105065
-1.1907399532	0.7138687965	0.9999537652	-1.0862742596
-1.412233084	0.341777579	0.9999537652	-1.3404035038
1.1141052312	0.5882125836	0.9999537652	1.0088356667
1.5571829811	0.2769052371	0.9999537652	3.0459701107
-1.281885198	0.5548494491	0.9999537652	-1.1080340654
1.9939828875	0.0379051981	0.9999537652	-1.0082432596
1.2082216971	0.4695881418	0.9999537652	1.2342699425
-1.030324871	0.8465714442	0.9999537652	-1.0072952154
-1.1452457414	0.663730053	0.9999537652	-1.1802054568
-2.5871290907	0.5000502148	0.9999537652	0
1.4696851973	0.1313032563	0.9999537652	1.2191300171
-1.2009321264	0.473658251	0.9999537652	-1.0943385619
6.3075231393	0.4850714177	0.9999537652	-1.3710897962
1.0705399723	0.8375389707	0.9999537652	-1.0486878052
-2.2386052964	0.3387938717	0.9999537652	-1.4377224945
-1.2072938767	0.5135982983	0.9999537652	-1.1257733271
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1.1285974849	0.4411537941	0.9999537652	-1.123174573
1.372384133	0.2506231166	0.9999537652	1.2303622764
-1.1347432124	0.6059977813	0.9999537652	-1.078956744
13.3437712784	0.3162721485	0.9999537652	1.135271392
1.4534338257	0.4590033119	0.9999537652	-1.188556735
-1.4016425072	0.1302699873	0.9999537652	1.1448141725
0	0	0	-1.8579915692
2.1697122316	0.3609426919	0.9999537652	-2.3138943259
-1.4625285412	0.099940496	0.9999537652	-1.4958846435
1.3594099105	0.7964383549	0.9999537652	-4.5809105665
0	0	0	24.561035655
1.1060299692	0.5257268307	0.9999537652	-1.0271786283
-1.0560157548	0.791967046	0.9999537652	-1.37088054
-2.223376117	0.5879030156	0.9999537652	-4.9102474202
1.1128931333	0.5557622729	0.9999537652	1.0906180392
1.3505011552	0.5370674842	0.9999537652	-1.2994393007
-1.0862101524	0.7720871917	0.9999537652	1.0272036295
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1.0563636447	0.7820543877	0.9999537652	1.2182563991
-1.2441281711	0.2224801575	0.9999537652	-1.2938241057
1.6310488281	0.392878117	0.9999537652	1.4433324361
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0	0	0	2.9985540909

gene_expression_table

1.0880792593	0.8210100698	0.9999537652	1.1227859182
1.3881051374	0.3623642669	0.9999537652	-1.194038978
1.0333223267	0.9629933284	0.9999537652	-1.2914682514
0	0	0	-5.3583704783
-1.6583999534	0.1153597364	0.9999537652	1.0537539781
2.3315363418	0.45714549	0.9999537652	-1.4119507574
1.8487361328	0.5872310539	0.9999537652	-1.3813421161
1.1560468193	0.5544445762	0.9999537652	1.2406010386
-1.0075959136	0.9942997012	0.9999537652	2.1744801732
-9.2663780788	0.0598432968	0.9999537652	1.0260351662
0	0	0	4.9527501949
1.0794355559	0.6145634596	0.9999537652	1.0299533271
0	0	0	4.9527501949
1.3627340806	0.1910210818	0.9999537652	1.2484105522
1.2989158155	0.5406470413	0.9999537652	-1.3744760131
3.8032158502	0.0183179672	0.9999537652	1.0881165141
1.0616945401	0.6240458428	0.9999537652	1.2609642525
0	0	0	-1.5263022474
1.0235529464	0.85345965	0.9999537652	-1.1195832156
1.1012443766	0.6167391889	0.9999537652	-1.1394805828
0	0	0	2.996475627
1.1935114622	0.8110705715	0.9999537652	-3.3143315952
-1.0396471216	0.8668130759	0.9999537652	-1.1017901241
-1.4615661169	0.068051964	0.9999537652	-1.1576052068
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1.3784816619	0.0267768282	0.9999537652	-1.1327215861
1.0438980096	0.7414770303	0.9999537652	-1.0216080367
1.7982279591	0.2054164982	0.9999537652	-1.2272441027
5.9743887745	0.0914295122	0.9999537652	-1.2486442955
3.7902526731	0.2291175146	0.9999537652	-2.7991461852
0	0	0	2.996475627
30.9018162087	0.1808215217	0.9999537652	1.037875072
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1.0658546113	0.8991248444	0.9999537652	1.7903935568
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0	0	0	1.5932034817
0	0	0	4.9527501949
1.2635663613	0.6025959559	0.9999537652	-1.1747970282
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1.7574703403	0.5562381998	0.9999537652	-2.051809064
1.0459602339	0.7600439303	0.9999537652	1.314784731
9.8205505243	0.383743098	0.9999537652	2.996475627
2.7933974408	0.6948713406	0.9999537652	2.996475627
0	0	0	32.2919870527
1.0164767859	0.9161627851	0.9999537652	-1.0450307281
1.2138837193	0.8081441496	0.9999537652	-1.2403739705
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1.2404371515	0.5072041498	0.9999537652	1.4875701876

gene_expression_table

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1.2509843358	0.6510319379	0.9999537652	1.3452580731
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1.0144029994	0.960122021	0.9999537652	1.012267099
-1.2969402738	0.0951873738	0.9999537652	1.1484021494
-1.1790596572	0.6860832106	0.9999537652	1.4766739315
1.0492503333	0.770530771	0.9999537652	-1.2343301
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1.4010597526	0.2399335576	0.9999537652	-1.247118865
-1.2203312105	0.3464417067	0.9999537652	1.0644238673
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-1.7001839609	0.5686067077	0.9999537652	16.6921882404
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1.1663478342	0.630998264	0.9999537652	1.3207646882
-1.7000524918	0.1034609448	0.9999537652	-1.2278753683
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1.1717813462	0.8080329042	0.9999537652	-1.0197524619
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3.3773576537	0.1414725456	0.9999537652	1.2651833566
1.1678481523	0.3624616199	0.9999537652	-1.1305258256
2.7933974408	0.6948713406	0.9999537652	8.8639046058
0	0	0	0
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12.8276037884	0.0241645172	0.9999537652	-1.3027260822
-1.6639105903	0.4552489134	0.9999537652	5.2702039024
2.2243819093	0.147497346	0.9999537652	-2.779971155
1.7747552523	0.5382375344	0.9999537652	1.5461710487
8.064174035	0.419440961	0.9999537652	1.4285818179
1.1617842091	0.7301827238	0.9999537652	-1.1921032166
-1.4762397703	0.6421324097	0.9999537652	2.1094903549
-1.0753058266	0.9061169492	0.9999537652	-1.3845395584
1.136825298	0.6782332913	0.9999537652	-1.271456937
-1.2012183	0.3356836914	0.9999537652	-1.2648386692
1.5618741434	0.2429377662	0.9999537652	1.2384884805
1.2781742471	0.4320247114	0.9999537652	-1.1615529137
1.3489110337	0.1045940494	0.9999537652	-1.0040453842
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-1.3254846731	0.3831951394	0.9999537652	-1.424438756
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gene_expression_table

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-1.0212577444	0.8905414794	0.9999537652	-1.1624157212
2.4298416015	0.2822957211	0.9999537652	1.069558106
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18.5983228161	0.2580166151	0.9999537652	-5.4378051094
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1.0673376449	0.8286744568	0.9999537652	1.4482720026
1.0048337711	0.9757705383	0.9999537652	-1.0405154475
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9.8205505243	0.3834791406	0.9999537652	12.7820459093
-1.1250701949	0.5765240371	0.9999537652	1.3309170284
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1.2918684994	0.3065640001	0.9999537652	1.9231337463
-1.2938353722	0.6925444678	0.9999537652	-1.2542924597
4.5505976667	0.5557790267	0.9999537652	8.9512754559
-1.078780888	0.5875836863	0.9999537652	-1.0338521436
1.145033321	0.5212725013	0.9999537652	-1.2390817472
-1.2520819365	0.2343634681	0.9999537652	1.0978733519
1.3071135433	0.0363668756	0.9999537652	-1.250560334
1.2019322441	0.5447644618	0.9999537652	-1.0257987911
-1.0168784051	0.9033265967	0.9999537652	-1.1360957679
1.210538481	0.5108700744	0.9999537652	1.4099628362
-1.0852976242	0.6591075975	0.9999537652	-1.2215101234
-1.2205009789	0.2341121108	0.9999537652	-1.053799295
1.5402842257	0.2785541672	0.9999537652	1.773442696
25.6372777234	0.2064866588	0.9999537652	2.0501017816
1.0530578414	0.7028038341	0.9999537652	-1.0349191979
1.1123436412	0.6973014257	0.9999537652	-1.0407860647
6.3075231393	0.4850526886	0.9999537652	-1.4789049904
1.1558054485	0.3223017618	0.9999537652	1.0327059119
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-1.045486109	0.8043288179	0.9999537652	-1.5171560264
1.118603212	0.5386021884	0.9999537652	1.1279073823
1.444159585	0.0912430859	0.9999537652	-1.4274858485
-1.0860596516	0.5596414582	0.9999537652	1.0280001368
1.4024244579	0.0842961447	0.9999537652	-1.1258731094
1.0273242406	0.8864750818	0.9999537652	-1.1927378547
1.1158299481	0.9297700246	0.9999537652	-18.5505103377
-1.1372178321	0.5542245606	0.9999537652	1.3268195762
-1.1624491312	0.4689861471	0.9999537652	-1.2828888516
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-1.8932679072	0.0375664401	0.9999537652	-1.286185604
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2.0551347362	0.0771231753	0.9999537652	-1.1415967226

gene_expression_table

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-2.4710767924	0.5445066715	0.9999537652	2.8664963163
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1.1548920694	0.7899023326	0.9999537652	-1.2387664314
-1.3362100218	0.2798665508	0.9999537652	1.4496745044
1.1170046682	0.6375265172	0.9999537652	1.1161019094
1.1755664601	0.7676777761	0.9999537652	-1.3401925228
0	0	0	9.7116702472
1.3911422814	0.6812316109	0.9999537652	-1.1172627069
-1.0992971271	0.4642693738	0.9999537652	-1.1273488767
1.1965287697	0.6460277568	0.9999537652	-1.0408241761
4.5505976667	0.5557790267	0.9999537652	-1.3465212658
1.404315049	0.5321816099	0.9999537652	-1.5222523012
-1.0172976377	0.8918401746	0.9999537652	-1.1441166703
-1.0121114565	0.9688055823	0.9999537652	-1.0537061719
1.373254683	0.1805985577	0.9999537652	-1.2176158191
-1.5521182934	0.0143472286	0.9999537652	-1.5105895643
-1.0695394047	0.8362497034	0.9999537652	-1.0679530314
1.3022993228	0.0808330785	0.9999537652	-1.4368336078
1.0166077861	0.9023734741	0.9999537652	-1.299134679
6.3128691894	0.4806190757	0.9999537652	0
1.134419041	0.5085529512	0.9999537652	1.4976518284
1.2186845019	0.411706872	0.9999537652	1.1424378048
1.5372566733	0.5059855362	0.9999537652	1.0593994383
1.0466770734	0.9466484957	0.9999537652	-1.7594595112
1.7165647286	0.3113521217	0.9999537652	1.529843838
15.1136055058	0.2931870683	0.9999537652	1.6443474089
-1.1324485602	0.68086442	0.9999537652	1.1818790531
2.7933974408	0.6948713406	0.9999537652	0
1.0502013436	0.6725169898	0.9999537652	-1.025340689
1.5343375215	0.0603198468	0.9999537652	-1.059950513
1.8209565278	0.0379128593	0.9999537652	1.1935454681
-1.26502287	0.6550082736	0.9999537652	1.2833153249
-1.0694258459	0.6620659212	0.9999537652	-1.0274939451
1.2254792116	0.1304833389	0.9999537652	-1.2161943526
-1.1259191861	0.4291303433	0.9999537652	1.0598989714
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1.0345181807	0.9675034178	0.9999537652	2.3314895061
1.0563012871	0.7939397975	0.9999537652	-1.0048660842
-1.0378596797	0.9605695181	0.9999537652	-1.6695388296
-1.0497523855	0.8199846321	0.9999537652	-1.2214344583
1.0748985771	0.6226264326	0.9999537652	1.0706384193
1.7445826814	0.1454413654	0.9999537652	1.1561486813
1.0206733293	0.9422085254	0.9999537652	-1.1559190362
1.3016203124	0.284268227	0.9999537652	-1.0407730845
1.1559268405	0.3401589682	0.9999537652	1.1318754747
1.4423222949	0.2736078997	0.9999537652	1.0740134352

gene_expression_table

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1.1030675442	0.7174529418	0.9999537652	1.2121788465
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-1.0482410655	0.9007698246	0.9999537652	-2.3345897784
1.0346377397	0.8290283341	0.9999537652	-1.3614604753
-1.1887908385	0.3785554058	0.9999537652	-1.0182023229
5.4845415866	0.1224906324	0.9999537652	-1.061752755
0	0	0	8.8639046058
-1.0239893699	0.9270020461	0.9999537652	-1.0188866158
1.2031525807	0.2594995301	0.9999537652	-1.0076098181
1.1494558174	0.7273537161	0.9999537652	-1.176113658
-1.1382157344	0.3660248158	0.9999537652	-1.3328321118
0	0	0	0
1.1527994666	0.5497651792	0.9999537652	-1.1403723214
-1.0446110432	0.8852149608	0.9999537652	1.0537363514
1.086292769	0.5172187702	0.9999537652	-1.0999393553
1.02058654	0.8744485888	0.9999537652	-1.1123752535
1.3600088454	0.7959330601	0.9999537652	-2.1459038996
-1.0127495209	0.9797283576	0.9999537652	1.081313546
1.9681797508	0.1647896757	0.9999537652	-1.1215245158
1.0924809279	0.653854552	0.9999537652	-1.177014691
1.2185229758	0.4179645716	0.9999537652	-1.272283359
-6.9762758667	0.2572015215	0.9999537652	10.818785458
1.2067917127	0.3099352323	0.9999537652	1.0999951056
1.0185684971	0.9403162359	0.9999537652	1.073816778
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-1.1063899099	0.6642680603	0.9999537652	-1.0689461864
-1.0214729369	0.9186883513	0.9999537652	-1.146641679
1.1840785337	0.1912944118	0.9999537652	1.0868676621
1.3605615982	0.7922944487	0.9999537652	10.818785458
1.536236782	0.7286300615	0.9999537652	18.6723895103
-1.6202196427	0.0895636446	0.9999537652	-1.361786319
1.2058527351	0.5650362783	0.9999537652	-1.1157108887
-1.0236791058	0.9044592128	0.9999537652	-1.165006881
1.220427997	0.6251875197	0.9999537652	1.128463338
1.1594020585	0.4001454866	0.9999537652	-1.3320609556
-1.1009292492	0.662447975	0.9999537652	-1.0206310658
2.7957660672	0.7055283363	0.9999537652	0
1.1049558507	0.6738593205	0.9999537652	1.7820635533
1.1252402684	0.4875709804	0.9999537652	-1.0483672394
3.0589901989	0.3336403716	0.9999537652	-1.2052463201
1.011645593	0.9769609383	0.9999537652	1.6939652145
1.1426624059	0.744225699	0.9999537652	-1.7978773859
1.1192151057	0.4186828696	0.9999537652	-1.0385522696
1.1242920327	0.6488434153	0.9999537652	-1.6950361864
1.3819288708	0.4745008631	0.9999537652	1.5518947271
-1.1523079009	0.5700685447	0.9999537652	-1.243328708
-1.0786021403	0.8322874244	0.9999537652	-1.0415387195
1.158407971	0.5065510149	0.9999537652	-1.1590769815

gene_expression_table

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1.5715463549	0.3301591465	0.9999537652	-1.2436835366
6.3075231393	0.4850433349	0.9999537652	-3.1575868765
0	0	0	1.5746361775
1.1173553606	0.5920244542	0.9999537652	-1.1970299896
1.0908127517	0.5354841444	0.9999537652	-1.2004474802
1.8627733224	0.2522587133	0.9999537652	-1.0060504437
1.0829303747	0.8614820266	0.9999537652	-1.1319899092
5.729217422	0.1066646443	0.9999537652	9.3351613897
1.251864346	0.200701416	0.9999537652	1.2919866582
2.7933974408	0.6948713406	0.9999537652	0
1.1512845273	0.7192823605	0.9999537652	-1.2151679374
1.526526342	0.4270015733	0.9999537652	-1.6785389006
0	0	0	0
-1.1758575684	0.6694227587	0.9999537652	-1.3483185415
-1.3055155248	0.2682253761	0.9999537652	1.2453709858
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2.8173722589	0.3575164131	0.9999537652	-3.0470159237
-1.030714772	0.9316625803	0.9999537652	1.5183919491
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1.0082473734	0.9835181967	0.9999537652	-1.2485901673
2.7933974408	0.6948713406	0.9999537652	0
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-2.5065115073	0.1191177972	0.9999537652	-1.0532424745
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1.2931157656	0.1091851041	0.9999537652	1.1472425825
-1.0805508967	0.6296727196	0.9999537652	-1.2609591373
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-4.8095156671	0.2071263266	0.9999537652	-2.0465550316
1.0864783405	0.6723037584	0.9999537652	-1.2003120059
1.0485779015	0.8812930874	0.9999537652	-1.5255527176
3.4279118306	0.0486421236	0.9999537652	-2.0658636651
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1.010638708	0.9675956833	0.9999537652	-1.6248908522
2.1450382405	0.1065054933	0.9999537652	-1.0635163472
3.6225051582	0.0828145505	0.9999537652	-1.0699611471
1.0035261346	0.9881345005	0.9999537652	-1.2524040825
1.4927666537	0.1325807218	0.9999537652	-1.2782739264
18.5983228161	0.2580245272	0.9999537652	1.0317044844
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1.2424936042	0.4744106804	0.9999537652	-1.0659471312
-1.1344408063	0.4986598315	0.9999537652	-1.1244329736
1.3009829077	0.7685772033	0.9999537652	-1.3464555531
15.0880352532	0.2933880806	0.9999537652	-1.417057339
0	0	0	-1.1507047539
1.7536570027	0.2260547586	0.9999537652	-1.1683224195
1.4581289787	0.4553578527	0.9999537652	-1.4211366135

gene_expression_table

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1.4233225829	0.4490143599	0.9999537652	1.4461950822
1.1986398919	0.4657517974	0.9999537652	-1.3637989963
-1.1558483247	0.623544999	0.9999537652	-1.2709502879
1.2033945198	0.5688300182	0.9999537652	-1.1010539694
-1.1764906816	0.7338307591	0.9999537652	1.0396988814
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1.308800742	0.4843659154	0.9999537652	1.2080202757
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-1.4951938362	0.126579483	0.9999537652	-1.2970744973
2.7933974408	0.6948713406	0.9999537652	-1.6177358982
1.1186563498	0.7686555885	0.9999537652	-1.0859278153
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0	0	0	4.9527501949
-1.1416943838	0.474426536	0.9999537652	-1.1480784159
0	0	0	-1.5094768143
4.5505976667	0.5557790267	0.9999537652	-1.8638252835
-1.1377112569	0.5047532425	0.9999537652	-1.2091405908
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11.5766527773	0.3453876938	0.9999537652	-1.8099040113
-1.7140208703	0.492732186	0.9999537652	-1.380387871
2.7933974408	0.6948713406	0.9999537652	-2.1287636007
1.0924427605	0.6397859973	0.9999537652	-1.2123245883
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1.0794100206	0.7487065438	0.9999537652	1.0176022321
3.8622037496	0.6191249779	0.9999537652	16.6806485101
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1.1228403073	0.6852984785	0.9999537652	1.0864517801
6.3075231393	0.4850339883	0.9999537652	2.996475627
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9.8205505243	0.3832114642	0.9999537652	4.9527501949
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gene_expression_table

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1.6794784813	0.0633133448	0.9999537652	1.0315507091
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1.057547026	0.8624918725	0.9999537652	1.6035971241
-1.2348617235	0.4429230787	0.9999537652	1.1893335829
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-1.2648530332	0.3838028312	0.9999537652	1.300634885
0	0	0	6.908559683
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1.184711193	0.5664053213	0.9999537652	1.3986726513
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-1.2267866072	0.3654564023	0.9999537652	1.2305504307
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1.2516520703	0.8155283669	0.9999537652	1.3122322072
-1.0294245193	0.9274764095	0.9999537652	-1.0338450591
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1.3381879427	0.4696927068	0.9999537652	1.4776267496
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-1.3691163547	0.7485465961	0.9999537652	26.4836696502
1.0326264856	0.8582294438	0.9999537652	-1.1589555837
1.1923348135	0.8094831065	0.9999537652	-1.1138754971
1.1508419291	0.329386538	0.9999537652	-1.1051170833
-1.0110479264	0.981462493	0.9999537652	-1.1873903297
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1.6078998043	0.2129207506	0.9999537652	1.0329513553
6.3075231393	0.485024649	0.9999537652	1.1113570682
-1.04443861	0.7348901094	0.9999537652	1.2101040626
-1.2333718185	0.2249906788	0.9999537652	1.1141662159
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1.8105142317	0.2118058633	0.9999537652	5.9093030807
1.0135429035	0.9204590547	0.9999537652	1.2181348458
1.7636638943	0.2360964154	0.9999537652	-1.1386266738
1.0650909735	0.7360574537	0.9999537652	1.2135849789
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1.1623893453	0.3614432423	0.9999537652	-1.0714554815
1.0839352039	0.5181761681	0.9999537652	1.2494185662
2.7933974408	0.6948713406	0.9999537652	-2.0482026754
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-1.2452728949	0.2086214036	0.9999537652	-1.0923730245

gene_expression_table

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2.5559496274	0.2821600258	0.9999537652	-1.4614455774
3.0847820696	0.0845495183	0.9999537652	1.1818535
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1.1038300958	0.7595932124	0.9999537652	1.0162474349
1.2434999203	0.4606656211	0.9999537652	1.1233092449
4.5505976667	0.5557790267	0.9999537652	2.3306887369
2.0488142106	0.0864135954	0.9999537652	1.1214479884
4.2863366418	0.009618	0.9999537652	1.234596048
-1.2658340445	0.5071918883	0.9999537652	1.1051794994
-6.9764533263	0.2594541557	0.9999537652	12.7732027325
1.1162834585	0.9283005435	0.9999537652	-1.8319388746
1.3987841508	0.2942672787	0.9999537652	-1.118893955
1.6316572466	0.0112249733	0.9999537652	1.2298525014
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1.2429956471	0.0947007811	0.9999537652	1.1846917128
-1.3265546466	0.3201852035	0.9999537652	1.2627285698
-1.0022969468	0.9916830218	0.9999537652	1.1609174153
2.1063705725	0.3260900467	0.9999537652	2.7252039655
1.0386897236	0.8503483764	0.9999537652	1.0270180789
1.0862402122	0.5593188864	0.9999537652	1.0722439628
1.1358328801	0.6883537094	0.9999537652	-1.0949246265
1.0173947989	0.9798950047	0.9999537652	-2.2049479182
4.5096948998	0.0955483879	0.9999537652	1.2593062028
2.7933974408	0.6948713406	0.9999537652	1.6293799659
0	0	0	1.590997316
1.4019107883	0.2853816598	0.9999537652	1.7110593438
-1.2859315764	0.4086132609	0.9999537652	-1.1641384423
2.4081512873	0.015889705	0.9999537652	1.1358029341
1.8514811731	0.2419713149	0.9999537652	1.0887530024
1.9568571513	0.13604572	0.9999537652	1.5478811278
-1.4598916326	0.3905566585	0.9999537652	1.8932975474
-1.1961439546	0.4131510851	0.9999537652	1.4842686482
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0	0	0	-1.1242401582
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-1.1215690563	0.5562090087	0.9999537652	-1.1702633418
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1.5290360293	0.0823151218	0.9999537652	-1.2989424385
-1.1778371941	0.6194565994	0.9999537652	-1.4140486124
-2.587194901	0.5006000393	0.9999537652	2.9985540909
1.3251991125	0.4160211183	0.9999537652	1.025082739
-1.4977878883	0.1004715367	0.9999537652	-1.2856784969
8.064174035	0.419447248	0.9999537652	2.996475627
1.812364286	0.001195	0.9999537652	1.0569154473

gene_expression_table

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-1.3904208954	0.0789278164	0.9999537652	-1.2582030796
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1.718615226	0.2109332789	0.9999537652	-1.1750887277
1.1478931101	0.4509326238	0.9999537652	1.2462134155
1.9436827332	0.0309632824	0.9999537652	-1.2182511759
1.105252454	0.4447350908	0.9999537652	1.1402788272
-1.2935404951	0.383049112	0.9999537652	-1.2716154218
1.0311519106	0.810892828	0.9999537652	1.3435096171
-1.1193092232	0.6692193614	0.9999537652	-1.6504736728
1.0235019997	0.9049780812	0.9999537652	1.1235723754
1.0720230937	0.7720032263	0.9999537652	-1.3030832063
1.1521390299	0.6154937469	0.9999537652	-1.0924083554
3.8622037496	0.6190939875	0.9999537652	0
-1.0725217753	0.7699070756	0.9999537652	-1.1874510179
-1.0922108267	0.662918313	0.9999537652	1.0229090235
-1.1494578057	0.602570806	0.9999537652	-1.4050945683
-1.0277153659	0.8773118627	0.9999537652	-1.2168712931
1.1849524885	0.3624634567	0.9999537652	-1.0508470223
-3.9806836591	0.1367776348	0.9999537652	-1.4037934311
-1.0010472983	0.9952860046	0.9999537652	-1.4369823081
1.2580167088	0.359952157	0.9999537652	-1.0771964528
-1.2342136154	0.6438732923	0.9999537652	-1.1078460497
-1.0810587326	0.8357773496	0.9999537652	1.4754630712
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4.5505976667	0.5557790267	0.9999537652	10.8262784008
1.0501731349	0.7158974838	0.9999537652	1.0109157302
-1.0594179852	0.9284605946	0.9999537652	-1.4780730704
-1.104077235	0.8400353081	0.9999537652	-1.7588602022
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1.2109003063	0.446889576	0.9999537652	-1.0090949702
29.8698312703	0.2178461767	0.9999537652	4.6668957481
1.1660180084	0.7597234221	0.9999537652	1.2398622434
18.5983228161	0.2580324448	0.9999537652	-5.3583704783
0	0	0	0
0	0	0	0
-1.3202757318	0.4464955961	0.9999537652	1.0141839657
-1.1643105413	0.675404011	0.9999537652	-1.3323208868
-1.576381917	0.1182924784	0.9999537652	-1.064823008
-1.1080920104	0.4918357272	0.9999537652	-1.4182031104
-1.0735852446	0.6438749396	0.9999537652	4.7906608684
-1.2213734706	0.3482951064	0.9999537652	-1.1207717034
2.7933974408	0.6948713406	0.9999537652	-1.8601323346
-1.1572314773	0.7103575172	0.9999537652	-1.1615957223
1.2771987714	0.3803432774	0.9999537652	1.006149901
1.7132142193	0.3174288178	0.9999537652	-1.7987039554
-1.008890327	0.9505146367	0.9999537652	1.0839832223
-2.5861438062	0.4759835951	0.9999537652	2.0298295761

gene_expression_table

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1.2186578499	0.2230578661	0.9999537652	1.3781625467
1.0781818837	0.7410022047	0.9999537652	-1.1363978585
-1.087028354	0.7860508775	0.9999537652	1.1489603668
0	0	0	-2.6884253381
-1.2666659704	0.3747691866	0.9999537652	-1.3471614313
1.0797723979	0.7757195769	0.9999537652	1.1393691335
-1.203878637	0.2498597283	0.9999537652	1.1017265882
1.1135349126	0.5839624546	0.9999537652	1.0174114462
4.5505976667	0.5557790267	0.9999537652	2.6434024479
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2.7933974408	0.6948713406	0.9999537652	-2.2519168774
0	0	0	6.0076339951
1.0694330635	0.8359191578	0.9999537652	1.3369382744
-1.6283093982	0.2088898022	0.9999537652	-1.0249803451
-1.1017949057	0.7991396757	0.9999537652	1.0968353938
-1.988371896	0.3509003474	0.9999537652	-1.4377113732
1.2497824691	0.6297590601	0.9999537652	-1.4668835758
-1.2575819565	0.2227733406	0.9999537652	1.7301041123
1.0970003946	0.7660480017	0.9999537652	-1.146501125
2.3437339069	0.2413758611	0.9999537652	1.4957399208
-1.0844560842	0.8245079197	0.9999537652	1.4630083089
50.353918894	0.1257610872	0.9999537652	1.5704032366
1.1021665157	0.5613410312	0.9999537652	-1.220146069
1.100014683	0.8441380715	0.9999537652	-1.6486130817
-1.4964533459	0.240918103	0.9999537652	1.243911249
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-1.0646727325	0.8903564567	0.9999537652	3.1950411467
-1.2433492998	0.2105056105	0.9999537652	-1.4366725925
1.0007280239	0.995642041	0.9999537652	1.0274992894
6.952600375	0.0636929868	0.9999537652	2.4627764693
1.2457924947	0.3641242111	0.9999537652	1.3412167313
1.0191212541	0.9509178499	0.9999537652	1.6325280088
-1.0843974846	0.8008114114	0.9999537652	1.4500952851
1.2559996159	0.6354174253	0.9999537652	-1.1191567661
1.8384783622	0.3350415769	0.9999537652	32.2919870527
1.3305963343	0.0873031979	0.9999537652	1.0689989011
0	0	0	8.8639046058
1.3611966861	0.805568733	0.9999537652	-4.1128151248
2.7933974408	0.6948713406	0.9999537652	-3.4501471538
1.0757937148	0.8109443621	0.9999537652	1.1159516421
-1.2628687322	0.1299836875	0.9999537652	-1.0612391732
-7.0431967789	0.0843517916	0.9999537652	1.1696208368
1.0375972768	0.8229954645	0.9999537652	1.0421521756
1.5237790209	0.3179726548	0.9999537652	1.4262322601
-2.6365262476	0.2553458373	0.9999537652	1.7067971001
1.1247725537	0.4826707244	0.9999537652	-1.1349212475
1.1422707648	0.7240415672	0.9999537652	-1.2687374905
2.0750906843	0.2910129601	0.9999537652	1.5872627531

gene_expression_table

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1.1322498903	0.3300484125	0.9999537652	1.1858160467
8.064174035	0.4194535447	0.9999537652	-1.260546903
1.3744821631	0.0330168603	0.9999537652	1.0041009675
-1.2487542434	0.2385973341	0.9999537652	-1.0794081971
1.9050337421	0.4943882978	0.9999537652	-1.0061411197
-2.0040326722	0.1036249358	0.9999537652	8.9512754559
0	0	0	6.9133480437
2.3027622606	0.0302704266	0.9999537652	2.1992263377
0	0	0	-4.4136565172
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1.2096348278	0.1052795573	0.9999537652	-1.0346466493
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1.0831090224	0.7054776263	0.9999537652	1.0188192245
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9.8205505243	0.3829399466	0.9999537652	-2.2617017545
1.2180613568	0.2105186041	0.9999537652	1.3082623578
-1.5875118025	0.720994624	0.9999537652	-1.2438634229
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1.0299297453	0.8767442686	0.9999537652	-1.0795901453
-1.0970387217	0.7672191647	0.9999537652	1.1702978149
2.4256002084	0.3111574991	0.9999537652	1.7794382074
-2.9572400577	0.3878857582	0.9999537652	0
1.0791464579	0.8141688455	0.9999537652	1.1707410023
1.1927285864	0.5049995088	0.9999537652	1.9889272489
1.5054915967	0.007358	0.9999537652	1.3072022281
1.4538097815	0.2477994009	0.9999537652	-1.1010504481
-1.2100472527	0.4874443214	0.9999537652	1.0521458817
-1.0242721031	0.9264006896	0.9999537652	1.1039865205
4.5505976667	0.5557790267	0.9999537652	-9.7554110723
-1.3018440751	0.4781047576	0.9999537652	1.0496990134
-1.1316156217	0.4775419005	0.9999537652	1.0099235848
9.8205505243	0.3829094471	0.9999537652	1.1085489246
-6.9762758667	0.2572248416	0.9999537652	2.996475627
3.8622037496	0.6190629756	0.9999537652	0
-1.0088218013	0.9694672454	0.9999537652	-1.2160514908
1.0340900316	0.9148846869	0.9999537652	-1.0911447612
-2.852289864	0.046902447	0.9999537652	1.0644477251
1.1158299481	0.9297603423	0.9999537652	-2.9737541292

gene_expression_table

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1.3588921917	0.7998744661	0.9999537652	-1.1248877899
1.1043826186	0.6101279153	0.9999537652	1.0891406389
-1.6026225251	0.0904292434	0.9999537652	1.2070459566
1.0151750387	0.9023195996	0.9999537652	1.1230752933
3.8118921289	0.0144439053	0.9999537652	3.7181029888
-1.190347565	0.4340579067	0.9999537652	-1.2289660045
1.1015849128	0.5388692572	0.9999537652	1.1231048904
25.6156185703	0.2096981958	0.9999537652	-1.2506145038
0	0	0	0
1.3586480118	0.3496560499	0.9999537652	2.0243635915
-1.1761465577	0.7993710594	0.9999537652	1.1503685294
0	0	0	1.4537866576
8.0781087093	0.4256311478	0.9999537652	-2.5509215507
-1.9066285216	0.4111062421	0.9999537652	-1.7161531777
-1.0185885583	0.8795100617	0.9999537652	1.0710413422
1.2002190147	0.2761338964	0.9999537652	-1.1130577991
1.3190010683	0.4531182914	0.9999537652	1.1271017689
1.0103587518	0.9339506655	0.9999537652	1.0265557581
6.3075231393	0.4850153168	0.9999537652	0
1.2971957717	0.4539322691	0.9999537652	1.1920992849
1.1805207632	0.4057274343	0.9999537652	1.2149219869
0	0	0	2.9988886918
1.7749775399	0.0313955292	0.9999537652	1.8681634265
2.7933974408	0.6948713406	0.9999537652	0
-1.2302888673	0.4998259205	0.9999537652	-1.3025324162
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-1.1538633603	0.2689735591	0.9999537652	-1.1249474547
1.6070119312	0.003297	0.9999537652	-1.3557332248
0	0	0	4.9527501949
1.0993526806	0.6083911617	0.9999537652	1.44181622
1.546724015	0.1843755706	0.9999537652	1.4025537326
0	0	0	4.9567375629
1.1406129562	0.5212537832	0.9999537652	1.0245837828
2.8234781609	0.3571958561	0.9999537652	-1.9178632647
-1.1741413282	0.3305162079	0.9999537652	1.0881178296
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-1.4997668867	0.0226380024	0.9999537652	-1.2392981261
1.1836698478	0.3479135599	0.9999537652	1.2341637126
2.7957660672	0.7055307175	0.9999537652	2.9985540909
-1.7705309934	0.0150085158	0.9999537652	1.1261916202
2.7933974408	0.6948713406	0.9999537652	-1.859280336
4.5505976667	0.5557790267	0.9999537652	0
0	0	0	4.9527501949
0	0	0	2.9985540909

gene_expression_table

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8.064174035	0.4194598514	0.9999537652	-1.1248877899
1.2646874733	0.5420003543	0.9999537652	-1.2118554381
-1.1914319791	0.2747370425	0.9999537652	1.3083925536
1.2627085493	0.5224240771	0.9999537652	1.1038342177
-1.0658619679	0.8195425626	0.9999537652	1.0240496877
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1.0259251803	0.8572350105	0.9999537652	1.5047155275
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1.0242314081	0.8571543901	0.9999537652	1.4181281865
1.2725088739	0.1592831115	0.9999537652	1.0492433912
1.2221011652	0.1391762293	0.9999537652	1.3735903825
-1.0202208064	0.908381675	0.9999537652	-1.0683469055
1.0455504623	0.8155550973	0.9999537652	-1.023263208
1.1956521695	0.5535803264	0.9999537652	-1.714633041
1.062424187	0.619663238	0.9999537652	1.1234947518
1.0101032125	0.9536084731	0.9999537652	-1.0658960682
1.2649711727	0.3810131816	0.9999537652	-1.1692845124
-1.2444974294	0.0727550052	0.9999537652	1.130548589
-1.0887934452	0.7574178257	0.9999537652	1.1141791921
1.0106051247	0.9586312195	0.9999537652	1.0371546229
4.5505976667	0.5557790267	0.9999537652	-1.038722389
-1.1923137678	0.3646740422	0.9999537652	1.1510564855
1.0926627905	0.6662972764	0.9999537652	-1.0031410517
18.5983228161	0.2581151183	0.9999537652	-1.2173989672
-1.1819800889	0.2671767659	0.9999537652	-1.2131018739
-1.0516197387	0.7866504625	0.9999537652	-1.1687738634
1.0715889046	0.6588098112	0.9999537652	1.1672366879
-1.2506369357	0.2184955976	0.9999537652	1.4683307042
-2.5861438062	0.4765251449	0.9999537652	0
0	0	0	2.996475627
-1.0326333469	0.8215401045	0.9999537652	1.0393627243
-1.3908389207	0.1165262648	0.9999537652	1.3327427712
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0	0	0	1.2400291296
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-1.1004235189	0.7427304309	0.9999537652	1.227584173
1.017643433	0.9691037721	0.9999537652	1.131914333
-1.2686505191	0.3624838625	0.9999537652	1.0529721961
1.7671539795	0.2255620168	0.9999537652	1.0929207328
1.1848870568	0.453215803	0.9999537652	1.4646192864
-1.3448588931	0.4231443981	0.9999537652	-1.2783396637
-1.1615920107	0.5714238967	0.9999537652	-1.293213934
-1.0425902303	0.8999243487	0.9999537652	1.0379497197
1.378012146	0.0680404732	0.9999537652	1.0833667551
-1.8122989227	0.2782924859	0.9999537652	1.0709421595
1.8027371112	0.4190916331	0.9999537652	1.233775198

gene_expression_table

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1.593132356	0.1211717136	0.9999537652	1.866659274
4.5544554512	0.5691094638	0.9999537652	-9.7598809705
0	0	0	2.9988886918
15.0880352532	0.2933799524	0.9999537652	-3.384595918
-1.2835526175	0.1136805105	0.9999537652	1.2097061402
-1.0558461694	0.777060492	0.9999537652	1.1366901367
1.2557671782	0.2109364175	0.9999537652	1.6438635573
9.8205505243	0.3828660831	0.9999537652	-3.8938703542
1.5275932178	0.0326822203	0.9999537652	1.4378724457
-1.4437979634	0.5749443101	0.9999537652	-1.3853788118
-1.0294818433	0.9279215917	0.9999537652	1.0795020561
1.2633691172	0.5669080621	0.9999537652	1.2217787389
-1.5884336587	0.3201788247	0.9999537652	1.1747922332
-1.2143676553	0.5233401533	0.9999537652	1.1079584868
-1.2350179012	0.3000777022	0.9999537652	1.0411610528
-1.9893749934	0.0237469629	0.9999537652	-1.1145736255
13.3324809638	0.3193649127	0.9999537652	-1.1446993292
-1.0830481592	0.6881189843	0.9999537652	1.2978699048
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1.0740170126	0.6904840167	0.9999537652	1.0302075238
1.0489179834	0.7067076026	0.9999537652	1.0077437993
1.0954049491	0.7605116269	0.9999537652	1.0524499689
1.0211054721	0.9148878452	0.9999537652	-1.0756176935
-1.1837761897	0.2392677938	0.9999537652	-1.0575660145
-1.0622491751	0.7799125861	0.9999537652	-1.1166815526
-1.2225269604	0.1919387424	0.9999537652	-1.1392479275
59.0891363577	0.1085514315	0.9999537652	2.6488015607
0	0	0	8.8710369702
1.9569338339	0.0288546728	0.9999537652	1.0973153205
-2.3908639205	0.0117484481	0.9999537652	-3.3722286371
0	0	0	6.908559683
-2.0677479284	0.0926159638	0.9999537652	-1.1381418077
-1.2677335371	0.4116307622	0.9999537652	1.1027421869
-1.1391927021	0.5074026462	0.9999537652	1.0482609427
1.0167565324	0.9246484751	0.9999537652	-1.1340411268
1.0925830294	0.6196738349	0.9999537652	1.3124275979
-1.2697946181	0.0523828467	0.9999537652	-1.0366395676
1.0253551658	0.9160412453	0.9999537652	-1.1287794271
1.5745683148	0.007292	0.9999537652	1.1345386682
2.417047608	0.1687344085	0.9999537652	-1.0081408879
15.1008094413	0.2914548718	0.9999537652	1.1381128106
2.5670947518	0.0290037763	0.9999537652	1.5324445939
6.3075231393	0.4850059918	0.9999537652	0
-1.2455951775	0.2013552927	0.9999537652	-1.3257163779

gene_expression_table

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2.7933974408	0.6948713406	0.9999537652	-5.3589986948
-1.1959606133	0.3530227076	0.9999537652	1.0692639063
-1.6671991184	0.0448815724	0.9999537652	-1.2640384552
-1.1077836192	0.5143282245	0.9999537652	-1.1763800783
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	6.908559683
-1.0857945282	0.8711902386	0.9999537652	1.5123051406
-1.0130402092	0.9187989799	0.9999537652	-1.1249871506
1.0988560272	0.818465598	0.9999537652	-1.0094721103
4.5505976667	0.5557790267	0.9999537652	-3.20894012
0	0	0	0
-1.0825391702	0.7172610732	0.9999537652	-1.3173815964
1.0975512742	0.5165143285	0.9999537652	1.103672028
11.5766527773	0.345372235	0.9999537652	33.3754495834
1.2185387303	0.2116757194	0.9999537652	-1.3716623699
-1.1254592709	0.4217652485	0.9999537652	1.1872285251
2.0570832917	0.1751146452	0.9999537652	2.4808300066
-1.4021492508	0.0389210208	0.9999537652	-1.2995589273
1.4462181475	0.2775525965	0.9999537652	-1.3205774937
1.0397146958	0.7360116622	0.9999537652	1.0398318525
1.0285866397	0.8754624479	0.9999537652	-1.1562757244
0	0	0	2.996475627
2.7933974408	0.6948713406	0.9999537652	2.0426682045
0	0	0	-1.5087935345
1.3079063983	0.0501264509	0.9999537652	-1.1940289567
-1.158439708	0.2835288814	0.9999537652	-1.4005988103
-2.8760826119	0.1553805544	0.9999537652	-2.2511269746
1.0829616751	0.5108588824	0.9999537652	1.0468957885
2.9313230887	0.0632300451	0.9999537652	1.7346310769
-1.0108728944	0.9635058103	0.9999537652	-1.1572161701
1.2356088368	0.1875473958	0.9999537652	1.0019706692
1.1391698979	0.6399915339	0.9999537652	-1.1659764659
1.1919080759	0.4569336392	0.9999537652	1.1204931101
5.496040989	0.1012496507	0.9999537652	-1.283611481
1.0028347771	0.9851256821	0.9999537652	-1.1084524378
1.0434550088	0.7835112812	0.9999537652	-1.2061968396
-1.418412925	0.3259607511	0.9999537652	-1.3914488087
1.0809853157	0.7527577596	0.9999537652	1.0881480925
-1.2465935171	0.2873358005	0.9999537652	-1.3073503178
-1.1270828252	0.5697084709	0.9999537652	1.1620755807
2.7933974408	0.6948713406	0.9999537652	0
0	0	0	6.908559683
4.4401862342	0.0345830526	0.9999537652	-1.3580827111
-1.1880058961	0.1894267359	0.9999537652	-1.4114785674
1.0248488197	0.9101584263	0.9999537652	-1.1847961128
1.0003784265	0.9992134816	0.9999537652	-1.0969187291
-1.0075197723	0.9684314815	0.9999537652	-1.0656795983
1.0336868444	0.8314678021	0.9999537652	-1.2094196508

gene_expression_table

1.0338424695	0.887545736	0.9999537652	-1.1570730669
-1.0412872224	0.7600874351	0.9999537652	1.0260560303
1.136013751	0.3160499214	0.9999537652	1.2627590312
0	0	0	1.6601562553
-1.6994504307	0.542122934	0.9999537652	1.791511063
0	0	0	2.996475627
1.2379676245	0.4612616912	0.9999537652	1.1838852129
1.7141897291	0.009923	0.9999537652	1.3480408936
6.3075231393	0.484996674	0.9999537652	-1.6396378201
1.0676357032	0.8385135872	0.9999537652	-1.5109058578
-1.2028374646	0.5527646301	0.9999537652	-1.2918748817
1.1943111976	0.7386871802	0.9999537652	-1.1105035059
2.7933974408	0.6948713406	0.9999537652	1.0675791322
1.0146958614	0.971023082	0.9999537652	1.0969125818
-1.1572711259	0.8283974137	0.9999537652	-1.1845093957
1.1277902631	0.3932117799	0.9999537652	-1.0636997129
0	0	0	2.996475627
-1.3062078421	0.4273097615	0.9999537652	-1.0058955941
1.1119208683	0.6351603186	0.9999537652	-1.2197776484
-1.1282426787	0.6001528702	0.9999537652	-1.1398488343
-1.0491282329	0.8974337407	0.9999537652	-1.0780915189
-1.2508804687	0.5573146363	0.9999537652	-1.0256555556
1.4666339935	0.0313181681	0.9999537652	1.0826045061
1.5847055173	0.4398070576	0.9999537652	1.4302724714
0	0	0	0
-1.0908430523	0.6839889892	0.9999537652	-1.1721388968
1.2117886498	0.3825788676	0.9999537652	1.3031671303
6.3075231393	0.4850126447	0.9999537652	-1.0834689998

gene_expression_table

LZ vs. C 24H - P-value	LZ vs. C 24H - FDR p-value	C1_U937_0H_R1_001 (GE) - TPM
0.4506277405	0.9999986525	0
0.9634256918	0.9999986525	1.4585853856
0.2259641952	0.9999986525	0
0.1185994695	0.9999986525	0
0.4130863814	0.9999986525	17.4915275307
0.1272623854	0.9999986525	37.6100539265
0.0674732874	0.9999986525	0
0.571066625	0.9999986525	0
0.1330005216	0.9999986525	1475.2491124668
0.0486760051	0.9999986525	10.264240868
0.5151446629	0.9999986525	0
0.211727368	0.9999986525	6.1151992388
0.6312664098	0.9999986525	0
0.9157910673	0.9999986525	107.9967984839
0.8468849379	0.9999986525	132.3657098404
0.2161354344	0.9999986525	0
0.0862692722	0.9999986525	103.2814927958
0.7351839838	0.9999986525	4.5470441865
0.5429585224	0.9999986525	6.7962833903
0.5569763241	0.9999986525	84.7463386173
0.3115315717	0.9999986525	36.276063805
0.6050312545	0.9999986525	25.5078088512
0.4729816619	0.9999986525	0
0.0233257409	0.9999986525	19.0457692846
0.2248214915	0.9999986525	0
0.4814039658	0.9999986525	370.8408535493
0.0398367704	0.9999986525	46.5047709653
0.838654829	0.9999986525	311.9315952827
0	0	0
0.8560159159	0.9999986525	5.598401296
0.3835753132	0.9999986525	16.3982003808
0.2266986865	0.9999986525	9.4597739972
0.5778832954	0.9999986525	31.8060332588
0.6751120977	0.9999986525	25.2819139427
0.8418079538	0.9999986525	0
0.5694449709	0.9999986525	0
0.7780577599	0.9999986525	12.8741167367
0.2834629282	0.9999986525	3.3717826939
0.5998253505	0.9999986525	2.3808284825
0.1387183735	0.9999986525	29.9483517019
0.4147841635	0.9999986525	25.2499694419
0.7311715355	0.9999986525	13.4738294493
0	0	0
0.6312664098	0.9999986525	0
0.9068866046	0.9999986525	0
0.4874497034	0.9999986525	0
0.0330299741	0.9999986525	0
0.3299717062	0.9999986525	0

gene_expression_table

0.6622446636	0.9999986525	7.4751662328
0.7918445591	0.9999986525	3.8872349926
0.7377822442	0.9999986525	0.749144218
0.8163586565	0.9999986525	59.7992139
0.7449896062	0.9999986525	0
0.6312664098	0.9999986525	0
0.0189955297	0.9999986525	0
0.2662910164	0.9999986525	21.4342200594
0.3341139676	0.9999986525	22.3787789095
0.5073272766	0.9999986525	0
0.9446520117	0.9999986525	0
0.6148601643	0.9999986525	30.825244101
0.6024143212	0.9999986525	21.8453723081
0.72751791	0.9999986525	0.6314659568
0.7023495176	0.9999986525	0
0.537350719	0.9999986525	55.132736251
0.2332801701	0.9999986525	2.3313800616
0.3897704795	0.9999986525	11.2024431491
0.3502688179	0.9999986525	9.4640118675
0.177195026	0.9999986525	1.2219221282
0.46598719	0.9999986525	11.6398585571
0.3371199317	0.9999986525	0
0.5316072528	0.9999986525	604.1044071092
0.6718319089	0.9999986525	0
0.3408234741	0.9999986525	53.5565693209
0.7852254468	0.9999986525	3.8748289234
0.3293281315	0.9999986525	7.3412141633
0.7999534346	0.9999986525	31.7658596333
0.6312664098	0.9999986525	0
0.3644843651	0.9999986525	0
0.6868158828	0.9999986525	47.7168871039
0.0345378896	0.9999986525	40.8697374551
0.3646074104	0.9999986525	48.2671524642
0.4627647269	0.9999986525	0
0.505065311	0.9999986525	0.1073035967
0.3936513486	0.9999986525	15.5885236795
0.2395309877	0.9999986525	4.3363316934
0.2064416691	0.9999986525	0
0.4564667208	0.9999986525	0
0.9234882051	0.9999986525	183.2807691632
0.8875281597	0.9999986525	0
0.4482922011	0.9999986525	1.783414253
0.3482502561	0.9999986525	878.6265067219
0.7624875438	0.9999986525	0
0.5615640939	0.9999986525	0
0.2243977175	0.9999986525	3.7412235979
0.5772687741	0.9999986525	0
0.9264203483	0.9999986525	5.7765900004
0.6307937915	0.9999986525	0

gene_expression_table

0.1212827366	0.9999986525	2.4391602922
0.0694075232	0.9999986525	10.1428688739
0.7018160942	0.9999986525	0
0.249589136	0.9999986525	30.8710142213
0.2611516293	0.9999986525	6.0828963677
0.8218483791	0.9999986525	9.3631134541
0.8355935438	0.9999986525	4.9555635211
0.0399138881	0.9999986525	0.9813612469
0.4729816619	0.9999986525	0
0.5288006053	0.9999986525	0.7124644128
0.408166978	0.9999986525	1.2361506449
0.5285116491	0.9999986525	78.5337073997
0.0224847831	0.9999986525	8.3079940579
0.8147085498	0.9999986525	0
0.6839962716	0.9999986525	0
0.3127086061	0.9999986525	26.3498677331
0.9287501179	0.9999986525	0.3389570718
0.4284809222	0.9999986525	0.6598646663
0.9355755708	0.9999986525	112.0751042944
0.2920446467	0.9999986525	0
0.934330816	0.9999986525	386.773476575
0.3580399981	0.9999986525	4.7582964346
0.5843089519	0.9999986525	2.7080415188
0.5183818903	0.9999986525	6.0059040476
0.8371741487	0.9999986525	0
0.6902524954	0.9999986525	0
0.0759865039	0.9999986525	0
0.6754746348	0.9999986525	24.4099223416
0.30753857	0.9999986525	1.5032995055
0.0728228538	0.9999986525	39.555600224
0.0127526944	0.9999986525	7.776664115
0.0757593414	0.9999986525	0
0.4743912191	0.9999986525	262.4869492318
0.3465642132	0.9999986525	15.504624198
0.4713682857	0.9999986525	9.5060299792
0.6522807607	0.9999986525	12.3705305027
0.2876054532	0.9999986525	67.4618943636
0.9834089352	0.9999986525	1.4982193682
0.4615238273	0.9999986525	0
0.3283924407	0.9999986525	38.2709552365
0.4564100194	0.9999986525	1.6739089014
0.7136040962	0.9999986525	0.1725012068
0.3588599846	0.9999986525	0
0.6312664098	0.9999986525	0
0.4769688016	0.9999986525	20.6617118593
0.3075114912	0.9999986525	0
0.887686936	0.9999986525	0
0.9997772097	0.9999986525	0
0.9195725661	0.9999986525	3.1519406915

gene_expression_table

0.3680775443	0.9999986525	0
0.5400503825	0.9999986525	0
0.5507284732	0.9999986525	1.2113283997
0.8624853065	0.9999986525	0
0.667486048	0.9999986525	4.9577499086
0.4870574405	0.9999986525	0
0.6312664098	0.9999986525	0
0.3047359984	0.9999986525	0
0.0157178781	0.9999986525	883.5042082468
0.219536839	0.9999986525	1.7111819021
0.9413685068	0.9999986525	1.541382157
0.573738744	0.9999986525	14.2317214299
0.2754251837	0.9999986525	0
0.1204457024	0.9999986525	0
0.8629812278	0.9999986525	1.4996569367
0.7828576125	0.9999986525	6.7886395098
0.3166916357	0.9999986525	24.4773296275
0	0	0
0.4126362447	0.9999986525	1.0319450991
0.6098761915	0.9999986525	0
0.3360834124	0.9999986525	10.7269052963
0.1065378049	0.9999986525	0
0.3523102098	0.9999986525	0
0.008737	0.9999986525	13.4087072706
0.8094366416	0.9999986525	1.0022947683
0.1880955406	0.9999986525	0
0.4729816619	0.9999986525	0
0.5020686701	0.9999986525	105.6278364526
0.0223511299	0.9999986525	1.1889737837
0.0477135024	0.9999986525	2.9442889006
0.4729816619	0.9999986525	0
0.6017159452	0.9999986525	10.1014826062
0.2475265649	0.9999986525	1.0080338638
0.1930727657	0.9999986525	8.5541835763
0.3393823594	0.9999986525	17.6556446043
0.1788520882	0.9999986525	18.5355351754
0.9503183601	0.9999986525	0
0.1994606277	0.9999986525	123.0963238668
0.2281222615	0.9999986525	2.5932396262
0.7957967009	0.9999986525	22.2951264735
0.7756127722	0.9999986525	67.5349235958
0.4071957235	0.9999986525	0
0	0	3.4682110734
0.4170868729	0.9999986525	0.4469203475
0.465462121	0.9999986525	1.6908569946
0.6098761915	0.9999986525	0
0.9268829827	0.9999986525	0
0.4730788793	0.9999986525	4.0767208202
0.750799056	0.9999986525	0

gene_expression_table

0.858220382	0.9999986525	0
0.3187440932	0.9999986525	5.8448338011
0.7686138325	0.9999986525	3.5258640915
0.4222684215	0.9999986525	11.6993782414
0.8625459366	0.9999986525	81.0195104719
0.4986738748	0.9999986525	0
0.8105190729	0.9999986525	24.5738657468
0.8131244057	0.9999986525	0.8540666885
0.5389206123	0.9999986525	2.0582999426
0.9823558256	0.9999986525	1.0974092637
0.7252613376	0.9999986525	0
0.5618134639	0.9999986525	5.5159186549
0.007867	0.9999986525	0
0.0629929562	0.9999986525	0
0	0	0
0.248556393	0.9999986525	44.5388600267
0.5556468149	0.9999986525	0.5161641734
0.9516558556	0.9999986525	0
0.6343729656	0.9999986525	0
0.640379247	0.9999986525	0
0.3460793044	0.9999986525	0
0.1750541701	0.9999986525	0.8220193034
0.6920704993	0.9999986525	2.2523847759
0.1141394891	0.9999986525	29.0745489823
0.7958425602	0.9999986525	0
0.8508147212	0.9999986525	2.3563440884
0.6292476793	0.9999986525	0
0.4689847935	0.9999986525	22.719217101
0.6646523436	0.9999986525	0
0.8136369685	0.9999986525	1500.2016797661
0.4130623505	0.9999986525	11.3007207075
0.9398460025	0.9999986525	42.9076211852
0.2826233433	0.9999986525	222.3275867241
0.0856348148	0.9999986525	50.7240858877
0.4873057326	0.9999986525	0
0.5573912876	0.9999986525	47.6148320419
0.9250293643	0.9999986525	3.7017371777
0.0539059284	0.9999986525	85.9961450533
0.6842953402	0.9999986525	79.6301764464
0	0	0
0.6312664098	0.9999986525	0
0.4072384421	0.9999986525	0
0.8415546651	0.9999986525	0
0.1113097011	0.9999986525	0
0.2612097461	0.9999986525	1.7715657529
0.8755585025	0.9999986525	0
0.6748018463	0.9999986525	0
0.5225600898	0.9999986525	27.9161774569
0.4059433862	0.9999986525	0.533172329

gene_expression_table

0.243973771	0.9999986525	26.5485513872
0.1040132575	0.9999986525	77.3112885132
0.242846765	0.9999986525	3.8502929407
0.0541537344	0.9999986525	10.9736365995
0.8223960475	0.9999986525	0
0.1931476407	0.9999986525	3.046136707
0.5201550731	0.9999986525	7.8959746179
0.3736891372	0.9999986525	0
0.368278062	0.9999986525	8.7793957267
0.482222045	0.9999986525	0
0.1124512159	0.9999986525	3.834597998
0.0382475638	0.9999986525	0
0.9772740273	0.9999986525	698.2273694647
0.5678846271	0.9999986525	1.375326638
0.535957178	0.9999986525	0
0.0157103331	0.9999986525	0
0.7747697331	0.9999986525	667.0405719519
0.3075114913	0.9999986525	0
0.6403713668	0.9999986525	0
0.9790695191	0.9999986525	2.3652612399
0.1797579448	0.9999986525	410.5468379613
0.4552680037	0.9999986525	0
0.1203660109	0.9999986525	385.3550100998
0.4072698906	0.9999986525	0
0.3622138515	0.9999986525	4.060006526
0.4582577267	0.9999986525	3007.5978952128
0.0882024129	0.9999986525	41.9972843291
0.9377380765	0.9999986525	4.9083567125
0.5995967067	0.9999986525	0
0.5665597555	0.9999986525	5.4614372024
0.6098761915	0.9999986525	0
0.16828652	0.9999986525	9.605150173
0.8907647941	0.9999986525	5.2898555916
0.1499152499	0.9999986525	17.7307245612
0	0	0
0.8841889965	0.9999986525	0
0.1582566073	0.9999986525	1.8754276562
0.4186354209	0.9999986525	0.7125653448
0.5266496436	0.9999986525	3.7046800103
0.0617216597	0.9999986525	4.4229058057
0.4517787603	0.9999986525	0
0	0	0
0	0	0
0.0674244865	0.9999986525	15.3596700363
0.5660525099	0.9999986525	0.7551965886
0.5982406329	0.9999986525	6.8079643655
0.1072110811	0.9999986525	154.5019548307
0.6237611602	0.9999986525	1.429837784
0.9364804364	0.9999986525	4.1204539283

gene_expression_table

0.3370539183	0.9999986525	17.6618300967
0.2200976837	0.9999986525	14.9244558746
0.4468279444	0.9999986525	27.2306874072
0.7618760922	0.9999986525	0
0.425216001	0.9999986525	0
0.5559263079	0.9999986525	2.2316745921
0.3446318237	0.9999986525	11.2920224554
0.0893537083	0.9999986525	38.6986028403
0.8952792282	0.9999986525	969.7841063888
0.6639819905	0.9999986525	4.5845415127
0.6973159579	0.9999986525	7.5816707187
0.3005072878	0.9999986525	2.0189424075
0.6229053388	0.9999986525	36.5285415049
0.9221338831	0.9999986525	20.687813164
0.5046863539	0.9999986525	4.6315810073
0.4520587775	0.9999986525	3.3800186594
0.2438062878	0.9999986525	19.115277295
0.6403634807	0.9999986525	0
0.7093091139	0.9999986525	0.6801359685
0.376427148	0.9999986525	70.6795282007
0.3033692161	0.9999986525	12.2865925849
0.8043208143	0.9999986525	5.515525897
0.6158538344	0.9999986525	0
0.0538342385	0.9999986525	0
0.9034463357	0.9999986525	120.7270428064
0.405427986	0.9999986525	3.1480891858
0.3370713275	0.9999986525	0
0.0192835558	0.9999986525	4.2557548933
0.6141191168	0.9999986525	3.0713355467
0.4329422654	0.9999986525	37.7026829143
0.3653766082	0.9999986525	6.3083992148
0.4858717369	0.9999986525	0
0	0	0
0.6974381111	0.9999986525	20.608969131
0.3047473685	0.9999986525	0
0.9318415258	0.9999986525	0
0.8978638139	0.9999986525	4.1212577625
0.4145250353	0.9999986525	99.1283227572
0.1342951761	0.9999986525	31.4899641616
0.4551008589	0.9999986525	3.4254714117
0.8736424672	0.9999986525	6.165708575
0.3162242032	0.9999986525	2.8368651354
0.8816504087	0.9999986525	116.0745455523
0.0949940599	0.9999986525	0
0.7080007137	0.9999986525	0
0.6397342202	0.9999986525	0
0.3387051196	0.9999986525	47.4329172774
0.30755387	0.9999986525	0
0.4112661233	0.9999986525	34.3393486517

gene_expression_table

0.6831591816	0.9999986525	240.9593946451
0.1062507322	0.9999986525	0
0.3825614801	0.9999986525	0
0.6908209882	0.9999986525	1.7705561107
0.3110228613	0.9999986525	0.7905565103
0.383385698	0.9999986525	5.2474582592
0.3176196955	0.9999986525	0
0.007017	0.9999986525	18.4866044984
0.7747537202	0.9999986525	0
0.6924349683	0.9999986525	22.2135369678
0.116702404	0.9999986525	5.0164004679
0.4073013259	0.9999986525	0
0.7533613327	0.9999986525	7.7202043892
0.284274112	0.9999986525	4.8351110708
0.3355987706	0.9999986525	116.667498498
0.5439839741	0.9999986525	0
0.0856550969	0.9999986525	2.6293895363
0.7269323251	0.9999986525	1.1891544869
0.6312664098	0.9999986525	0
0.1177570616	0.9999986525	5.9012711832
0.0707117235	0.9999986525	0
0.532794195	0.9999986525	0
0.9245462844	0.9999986525	61.418025213
0.30755387	0.9999986525	0
0.1022579231	0.9999986525	13.81839828
0.2745679642	0.9999986525	1.153041617
0.7094206677	0.9999986525	1.8638123348
0.8641842077	0.9999986525	393.3821819979
0.6419319204	0.9999986525	9.6496509601
0.7498330569	0.9999986525	4.678276874
0.3570275522	0.9999986525	5.8760478667
0.2668367678	0.9999986525	6.4604181317
0.9555576649	0.9999986525	31.210948271
0.1661533338	0.9999986525	9.9386372274
0.8179323728	0.9999986525	7.4654677326
0.2713237761	0.9999986525	2.1015864478
0.9959190878	0.9999986525	2.6493947574
0.4521095247	0.9999986525	1.4386793306
0.3522627872	0.9999986525	187.0991001916
0.6403555884	0.9999986525	0
0.0597950727	0.9999986525	113.8406243523
0.6192182591	0.9999986525	14.856235788
0.8703432821	0.9999986525	18.921300973
0.6233722125	0.9999986525	0
0.1462408097	0.9999986525	0
0.7844005642	0.9999986525	10.2642092042
0.3663674881	0.9999986525	151.2292812648
0.2804437999	0.9999986525	0
0.6719097504	0.9999986525	6.0852538572

gene_expression_table

0.7307116682	0.9999986525	9.1733299374
0.4919359015	0.9999986525	0
0.7400241978	0.9999986525	42.8510492708
0.727695324	0.9999986525	42.489073392
0.2035119645	0.9999986525	2.6544993077
0.6312664098	0.9999986525	0
0.7171034182	0.9999986525	9.0515387376
0.934373702	0.9999986525	14.7154968588
0.2321752268	0.9999986525	125.0286187008
0.3551554379	0.9999986525	0
0.246602392	0.9999986525	33.8941844605
0.9972987842	0.9999986525	60.3357786287
0.4399946605	0.9999986525	191.586160434
0.5281129983	0.9999986525	0
0.3607544229	0.9999986525	3.0564317592
0.4034495718	0.9999986525	43.034035252
0.2487253046	0.9999986525	24.1407465324
0.3700012234	0.9999986525	65.3961345051
0.30755387	0.9999986525	0
0.6256058169	0.9999986525	58.6088702747
0.2053839859	0.9999986525	43.6518747394
0.1643863901	0.9999986525	0
0.1930391795	0.9999986525	0
0.1203824212	0.9999986525	24.9424792595
0.5212598977	0.9999986525	367.2029797562
0.6922058901	0.9999986525	1.8348541714
0.500591718	0.9999986525	0
0.9076415054	0.9999986525	72.4515932518
0.4069532021	0.9999986525	0
0.8624143192	0.9999986525	0
0.1066403629	0.9999986525	27.3865551233
0.3075114913	0.9999986525	0
0	0	0
0.198214479	0.9999986525	4.9729449143
0.56576422	0.9999986525	0
0.3054290442	0.9999986525	7.1096342769
0.6984869757	0.9999986525	64.8421341023
0.7101248559	0.9999986525	51.1907450196
0.6048968113	0.9999986525	4.6471839853
0.9597323569	0.9999986525	2.9231447752
0.3946922803	0.9999986525	3.0764791883
0.9513392532	0.9999986525	9.5791149722
0.782217035	0.9999986525	0
0.7926335687	0.9999986525	2.7616564645
0.9296354279	0.9999986525	13.4763761741
0.4613241911	0.9999986525	3.1397609076
0.8851573384	0.9999986525	0
0.261436769	0.9999986525	1.3197870462
0.4729816619	0.9999986525	0

gene_expression_table

0.7001891865	0.9999986525	122.7279277141
0.8054555569	0.9999986525	15.8757682467
0.30755387	0.9999986525	0
0.273765018	0.9999986525	2.2112574331
0.8810479534	0.9999986525	4.876406281
0.2448357755	0.9999986525	0.2991967903
0.44347263	0.9999986525	1.6572815891
0.904996925	0.9999986525	0
0.7773454679	0.9999986525	0
0.4640361131	0.9999986525	3.0992264671
0.1985906326	0.9999986525	0
0.064490339	0.9999986525	58.4070926722
0.1007612426	0.9999986525	154.2619893485
0.1465190801	0.9999986525	7.6357472134
0.9611923278	0.9999986525	6.2148644653
0.7804070177	0.9999986525	0
0.9396104387	0.9999986525	0
0.9361376845	0.9999986525	3.7877088411
0.3033010284	0.9999986525	0
0.374126427	0.9999986525	14.0620455605
0.3060346534	0.9999986525	75.4754101126
0.3410865114	0.9999986525	0
0	0	0
0	0	0
0.7033868751	0.9999986525	0
0.2278685735	0.9999986525	87.0081025145
0.2449368409	0.9999986525	33.8695499527
0.4763504063	0.9999986525	98.3832515647
0.2903516429	0.9999986525	0
0.007049	0.9999986525	116.2342079259
0.3087536661	0.9999986525	1.5620028065
0.2593850616	0.9999986525	8.5797235436
0.5546980174	0.9999986525	0.708376014
0.5440740112	0.9999986525	2.48922648
0.0878994065	0.9999986525	46.6966562567
0.5693285527	0.9999986525	1272.2761576554
0.1276143382	0.9999986525	35.2975226241
0.4843644183	0.9999986525	19.9976971701
0	0	0
0.2186993699	0.9999986525	1.1580221945
0.2056017556	0.9999986525	0
0.3860963202	0.9999986525	1.5738452414
0.6181946527	0.9999986525	5.351236157
0.6269897914	0.9999986525	0
0.5518060966	0.9999986525	13.4898800877
0.4187680111	0.9999986525	37.6381971396
0.556099491	0.9999986525	6787.2638832043
0.3234421057	0.9999986525	0
0.1828504385	0.9999986525	18.3032120001

gene_expression_table

0	0	0
0.4729816619	0.9999986525	0
0.1857285465	0.9999986525	0
0.9991381713	0.9999986525	1.1632936225
0.8570359306	0.9999986525	0
0.2652809746	0.9999986525	268.7731207446
0.1835087902	0.9999986525	0
0.2701757466	0.9999986525	0
0.9625339662	0.9999986525	0
0.5235343277	0.9999986525	35.0379820166
0.8319106678	0.9999986525	0
0.9966126035	0.9999986525	0
0.4923631264	0.9999986525	445.4615235013
0.9148634706	0.9999986525	30.1433663929
0.4206886897	0.9999986525	60.4987751382
0.4753063306	0.9999986525	8.8930285961
0.85793303	0.9999986525	42.1701678588
0.5529206873	0.9999986525	0.9349250881
0.0009277	0.9999986525	0.2119908572
0.1206685035	0.9999986525	1.1619712714
0.1390495836	0.9999986525	0
0.186815333	0.9999986525	1.6700053194
0.7706346193	0.9999986525	8.5784228675
0.9541020489	0.9999986525	4.2306979794
0.9931675261	0.9999986525	577.6835719399
0.9124875608	0.9999986525	0
0.2514646832	0.9999986525	0
0.3355210908	0.9999986525	0
0.9270581493	0.9999986525	5.3096391027
0.6143104157	0.9999986525	0
0.3894274584	0.9999986525	1.5817759809
0.7189290499	0.9999986525	0
0.6463390272	0.9999986525	4.811544502
0.1544292614	0.9999986525	0
0.4786564218	0.9999986525	6.5354660677
0.6388357637	0.9999986525	12.8977443885
0	0	0
0.7949282995	0.9999986525	11.2970948078
0.8623434941	0.9999986525	0
0.5546077001	0.9999986525	0
0.6587773694	0.9999986525	0
0.9384108176	0.9999986525	0
0.8888177542	0.9999986525	0.2035210586
0.7557287784	0.9999986525	35.5469750808
0.0449470888	0.9999986525	1.4206837452
0.607944535	0.9999986525	0
0.2163416833	0.9999986525	1.5995299053
0.0982087439	0.9999986525	3.6772946208
0.5124952471	0.9999986525	4.707857128

gene_expression_table

0.7054169577	0.9999986525	0
0.5776538437	0.9999986525	19.0499968631
0.5934498605	0.9999986525	31.1402819731
0.4415361606	0.9999986525	16.8236157908
0.658865423	0.9999986525	0.2555545147
0.3688572167	0.9999986525	5.9158687456
0.1212939141	0.9999986525	4.7919717723
0.375749911	0.9999986525	31.318789223
0.4069913918	0.9999986525	0.405671126
0.0948808174	0.9999986525	0
0.757756129	0.9999986525	0
0.2128048764	0.9999986525	12.0401641329
0.6715356757	0.9999986525	1.0143842932
0.6899524879	0.9999986525	0
4.54E-06	0.0407058325	0.8491734515
0.3047587416	0.9999986525	0
0.7395121592	0.9999986525	2.9722504489
0.2223344251	0.9999986525	56.5200164477
0.3661245927	0.9999986525	58.5869900966
0.5025755316	0.9999986525	11.0816511794
0.2116622849	0.9999986525	0
0.8265626471	0.9999986525	13.0060406342
0.9985712836	0.9999986525	1.3863376267
0.4654335785	0.9999986525	0
0.1537643425	0.9999986525	14.938476951
0.7165071559	0.9999986525	33.4688962144
0.1817955974	0.9999986525	19.63853725
0.779299769	0.9999986525	2.7006043171
0.4860110914	0.9999986525	3.8080552474
0.3663491982	0.9999986525	60.4827085481
0.2549654881	0.9999986525	3.6510746504
0.67714376	0.9999986525	0
0.9623721001	0.9999986525	3.6801559631
0.3256808776	0.9999986525	9.8401248745
0.4818048973	0.9999986525	6.8983696743
0.6397203658	0.9999986525	0
0.9751629192	0.9999986525	0
0.0565350529	0.9999986525	221.8010493795
0.4081785001	0.9999986525	0
0.7891405437	0.9999986525	0.3544177687
0.3715804129	0.9999986525	0.622526677
0.6312664098	0.9999986525	0
0.6082681169	0.9999986525	0
0.7042490002	0.9999986525	0
0.9309463343	0.9999986525	0.799230009
0.0193968536	0.9999986525	2.3290154224
0.0939207155	0.9999986525	190.7213417742
0.3351267446	0.9999986525	0.1132553583
0	0	0

gene_expression_table

0.6674082526	0.9999986525	0.4108274142
0.6871652938	0.9999986525	9.5209533274
0.8979104298	0.9999986525	0
0.2461578326	0.9999986525	1.9032042604
0.9599061563	0.9999986525	88.5853734523
0.8985579538	0.9999986525	0.4520907387
0.650543462	0.9999986525	0
0.2486417829	0.9999986525	0.7441409864
0.4294688278	0.9999986525	3.829500524
0.3189578376	0.9999986525	0.8504656719
0.7191730753	0.9999986525	9.4634465987
0.6312664098	0.9999986525	0
0.7079684115	0.9999986525	0
0.0105637372	0.9999986525	0
0.1825681224	0.9999986525	1.3511773181
0.7648639571	0.9999986525	0
0.7719352838	0.9999986525	1.8683287897
0.8576692991	0.9999986525	0
0.1632502447	0.9999986525	10.1826320488
0.9542873749	0.9999986525	0.1814693017
0.7034331269	0.9999986525	0
0.182104656	0.9999986525	0
0.1199022358	0.9999986525	2.4863358914
0.3954779182	0.9999986525	1.9182042722
0.6437008393	0.9999986525	0
0.4065652646	0.9999986525	305.7144309861
0.6831720888	0.9999986525	0
0.0823935333	0.9999986525	1.1974678014
0	0	0
0.5960726121	0.9999986525	0
0.5649852868	0.9999986525	0
0.0482337233	0.9999986525	2.6026537884
0.8045402245	0.9999986525	33.0521510728
0.9267415074	0.9999986525	1.1005651043
0.786101268	0.9999986525	0
0.114994151	0.9999986525	5.1555952974
0	0	0
0.8634275808	0.9999986525	41.0797741635
0.8328280138	0.9999986525	0.060022023
0.8229458629	0.9999986525	0
0.7026058656	0.9999986525	0
0	0	0
0.4073327479	0.9999986525	0
0.2468302822	0.9999986525	0
0.6473371618	0.9999986525	4.7246683966
0.1453477485	0.9999986525	6.7136905685
0.002527	0.9999986525	0
0.6928329146	0.9999986525	0
0.833088655	0.9999986525	0.0946151954

gene_expression_table

0.007505	0.9999986525	21.4547561145
0.9941409674	0.9999986525	0
0.6066338885	0.9999986525	2.5992167441
0.5404797186	0.9999986525	6.6127955458
0.3193766118	0.9999986525	0
0.840139363	0.9999986525	0
0.6441042217	0.9999986525	20.863285981
0.5059410814	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	3.4018626877
0.64034769	0.9999986525	0
0.9479756671	0.9999986525	0
0.5661134227	0.9999986525	0
0.6406654988	0.9999986525	1.0072648566
0.7119565445	0.9999986525	11.0524051954
0.2294506921	0.9999986525	95.9438989215
0.7789728056	0.9999986525	1.0521748825
0.0447793403	0.9999986525	4.9451234294
0.3231952833	0.9999986525	0
0.4729816619	0.9999986525	0
0.5786112196	0.9999986525	0
0.8839728645	0.9999986525	38.034714772
0.4029305119	0.9999986525	18.9824488189
0.1533102981	0.9999986525	0
0.2089832458	0.9999986525	7.1581761255
0.30755387	0.9999986525	0
0.9096023179	0.9999986525	1.0664738546
0.6312664098	0.9999986525	0
0.6186450893	0.9999986525	2.4218236032
0.0188212649	0.9999986525	9.1443875344
0.7075933834	0.9999986525	1.3517975251
0.2199274035	0.9999986525	7.7454905494
0.9904358696	0.9999986525	1.0416124611
0.0925444959	0.9999986525	2.687252562
0.3474737978	0.9999986525	2.7705419787
0.1954151179	0.9999986525	3.9106936858
0.6386618606	0.9999986525	0
0	0	0
0.2417500713	0.9999986525	0
0.3637326082	0.9999986525	3.7962850939
0.0518873822	0.9999986525	2.1059580605
0.6602663737	0.9999986525	1.0183351952
0.0473638989	0.9999986525	1.8303370581
0.9356814824	0.9999986525	3.9182371264
0.0216432315	0.9999986525	1.9748688713
0.3995448932	0.9999986525	0.3586854263
0.6055575796	0.9999986525	4.2334109436
0.2916818947	0.9999986525	0.2340420022
0.9297314549	0.9999986525	0

gene_expression_table

0	0	0
0.6023669343	0.9999986525	0
0.6312664098	0.9999986525	0
0.3951852412	0.9999986525	2.1540106643
0.3955611155	0.9999986525	0.5920112792
0.9138366331	0.9999986525	110.7129990287
0.870890766	0.9999986525	0
0.5535758736	0.9999986525	849.2529326439
0.2566437612	0.9999986525	0
0.6532321245	0.9999986525	6.1757250319
0.2449526119	0.9999986525	15.3588362426
0.8145494387	0.9999986525	2.1288209209
0.0637381866	0.9999986525	9.5034641722
0.3783674557	0.9999986525	0
0.0679421649	0.9999986525	0
0.8185476769	0.9999986525	10.8347355065
0.0480360382	0.9999986525	2.1645048453
0.5487824559	0.9999986525	1.9771903677
0.0647379053	0.9999986525	0
0	0	0
0.404245426	0.9999986525	0.5851892857
0.3370229016	0.9999986525	0
0.00593	0.9999986525	0
0.6967305144	0.9999986525	0.5651872034
0.515079977	0.9999986525	0.2505056496
0.2418267268	0.9999986525	0
0.1265334072	0.9999986525	0
0.0165928699	0.9999986525	0.9167014081
0.7617799981	0.9999986525	1.1658701595
0.0324370337	0.9999986525	4.1862649197
0.0977684646	0.9999986525	0
0.0578672091	0.9999986525	0
0.6467343928	0.9999986525	5.87352728
0.2929181318	0.9999986525	3.9691806874
0.3505327708	0.9999986525	0
0.8942355544	0.9999986525	4.5845415127
0.357534671	0.9999986525	2.6187507798
0.6220866265	0.9999986525	0
0	0	0
0	0	0
0	0	0
0.4058804319	0.9999986525	0
0.4456832924	0.9999986525	0
0.6312664098	0.9999986525	0
0.7433189725	0.9999986525	0
0.30755387	0.9999986525	0
0.334467179	0.9999986525	0.4023774512
0.0778827212	0.9999986525	8.0463638232
0.9199698486	0.9999986525	0.6687083684

gene_expression_table

0.8529886324	0.9999986525	7.9785358753
0.2112605292	0.9999986525	33.3140779392
0.6403397854	0.9999986525	0
0.1132335663	0.9999986525	0.8401297758
0	0	0
0.8115531521	0.9999986525	0.8953636155
0.9311735919	0.9999986525	17.0908772796
3.75E-06	0.0404027443	1.4666866124
0.1330296611	0.9999986525	0
0.6817644178	0.9999986525	8.5266254805
0.1465448262	0.9999986525	15.2201493448
0.9438011139	0.9999986525	0
0.2500243367	0.9999986525	0
0.3369746529	0.9999986525	0
0.008085	0.9999986525	3.847167703
0.0447520527	0.9999986525	0
0.2962808969	0.9999986525	6.9382446435
0	0	0
0.9029030402	0.9999986525	14.5215934209
0.1327505984	0.9999986525	0
0.2425974947	0.9999986525	51.7656635396
0.6098761915	0.9999986525	0
0.6312664098	0.9999986525	0
0.4519536033	0.9999986525	66.3525458461
0.7294663952	0.9999986525	18.3182894347
0.5750463239	0.9999986525	0
0.6892948998	0.9999986525	2.2025377374
0.1729574571	0.9999986525	64.5910129144
0.5638746735	0.9999986525	1.8136647743
0.1249991371	0.9999986525	87.0733064283
0.9480606913	0.9999986525	0
0.3155612349	0.9999986525	0
0.7001255887	0.9999986525	4.8591331517
0.5762735484	0.9999986525	2.3077962957
0.890077009	0.9999986525	5.8067901999
0.8100369647	0.9999986525	14.0290915971
0.3047701176	0.9999986525	0
0.4031083728	0.9999986525	0
0.5523075659	0.9999986525	0
0.9554647406	0.9999986525	16.8215049027
0.8851221672	0.9999986525	445.6870736397
0.6384876182	0.9999986525	10.0159147025
0.3422339338	0.9999986525	0
0	0	0
0.3982360831	0.9999986525	4.2378755175
0	0	0
0.234247603	0.9999986525	0
0.3042706813	0.9999986525	8.7949905456
0.3900990534	0.9999986525	0

gene_expression_table

0.8842513052	0.9999986525	0
0.258162169	0.9999986525	1.0215952072
0.4993119259	0.9999986525	28.3472254555
0.0893279	0.9999986525	11.2906545057
0.7045613178	0.9999986525	8.4138789591
0.1387580276	0.9999986525	0
0.3170977094	0.9999986525	0
0.4426572746	0.9999986525	18.986287362
0.3875832304	0.9999986525	1.7875452514
0.8679074176	0.9999986525	0.3575151005
0.9940924505	0.9999986525	1.6850038517
0.705666328	0.9999986525	0
0.0617222822	0.9999986525	1.8227094693
0.3892758046	0.9999986525	0
0.9493511461	0.9999986525	28.7840411807
0.4391490329	0.9999986525	5.5781493691
0.6207895474	0.9999986525	4.340305157
0.6305365023	0.9999986525	18.4406139058
0.9050847504	0.9999986525	2.6767427132
0.1462769727	0.9999986525	18.7442923858
0.2433871874	0.9999986525	0
0.8524412373	0.9999986525	29.7399587792
0.4501914175	0.9999986525	130.9499649736
0.3820287698	0.9999986525	18.8469687666
0.1078278587	0.9999986525	0
0.0283859267	0.9999986525	2.5458011726
0.8247478143	0.9999986525	5.6312821538
0.3330716111	0.9999986525	1.6935318007
0.4992899402	0.9999986525	0
0.4372153018	0.9999986525	31.753194301
0.453427394	0.9999986525	1.2581632376
0.4995890981	0.9999986525	0
0.9297102699	0.9999986525	0
0.7470079268	0.9999986525	0
0.5889932685	0.9999986525	5.5987277092
0.3402152744	0.9999986525	0
0.8407626413	0.9999986525	2.001715092
0.1042893014	0.9999986525	21.2123020366
0.3676274705	0.9999986525	2.2694189681
0.5002028914	0.9999986525	10.3293405489
0.2409078862	0.9999986525	0.2280777775
0	0	0
0.309050792	0.9999986525	0.4823805621
0.4453279771	0.9999986525	0
0.3863757695	0.9999986525	21.1320694657
0.8093903492	0.9999986525	2.6097540153
0.2103611826	0.9999986525	15.3944379589
0.7740588541	0.9999986525	0
0.3555793722	0.9999986525	0

gene_expression_table

0.0357995102	0.9999986525	0
0.215229913	0.9999986525	5.7633521458
0.7479445006	0.9999986525	0
0.6300503422	0.9999986525	0
0.6318611188	0.9999986525	2.9122645838
0.1264408692	0.9999986525	0
0.7132822282	0.9999986525	0
0.7351597178	0.9999986525	35.6646894677
0.603003061	0.9999986525	1.7786485044
0.1179761067	0.9999986525	6.9611069232
0.3521223914	0.9999986525	0
0.1933826462	0.9999986525	0
0.4738263135	0.9999986525	4.160869631
0.6264316288	0.9999986525	0
0.0518777466	0.9999986525	1.2803312039
0.3630310715	0.9999986525	0
0.3341083308	0.9999986525	0
0.3124784153	0.9999986525	0
0.2244967319	0.9999986525	3.4662762594
0.9407364286	0.9999986525	4.1903835592
0.2360184628	0.9999986525	0
0.173144363	0.9999986525	2.643736208
0.6252812617	0.9999986525	2.6507688329
0.5359618573	0.9999986525	2.488874563
0.0811921772	0.9999986525	119.7292856516
0.5414763012	0.9999986525	16.4128818231
0.3420264268	0.9999986525	0
0.9915675797	0.9999986525	27.8811763106
0.4862396544	0.9999986525	538.6472181583
0.8112152279	0.9999986525	25.7461414818
0.7539450509	0.9999986525	7.9972619967
0.3566945135	0.9999986525	0
0.9443362153	0.9999986525	62.784020716
0.7089408035	0.9999986525	0
0.2469025541	0.9999986525	0
0.3257710105	0.9999986525	0
0.0675764563	0.9999986525	2.7531626037
0.5573188289	0.9999986525	9.0620999016
0.9102396415	0.9999986525	6.8721704222
0.0435147719	0.9999986525	0
0.2979398545	0.9999986525	2.4326627056
0.8955782234	0.9999986525	2.1064480298
0.6043888669	0.9999986525	0
0.9352659065	0.9999986525	4.8483636834
0.2088281818	0.9999986525	0
0.253760786	0.9999986525	0
0.9039201331	0.9999986525	0.4344839865
0.4555145	0.9999986525	0
0.2714389319	0.9999986525	0

	gene_expression_table	
0.2292341018	0.9999986525	0
0.1161091319	0.9999986525	0.5981597643
0.4942972795	0.9999986525	0
0.4020224867	0.9999986525	0
0.719607977	0.9999986525	16.0985322779
0.5480387591	0.9999986525	0
0	0	115.5665606703
0	0	0
0.4729816619	0.9999986525	0
0.4640687041	0.9999986525	296.7074057658
0.1634764402	0.9999986525	0
0.4729816619	0.9999986525	0
0.6403318746	0.9999986525	133.3684803695
0.4008551543	0.9999986525	0
0.6210566055	0.9999986525	120.8556481151
0.3350762033	0.9999986525	0
0.5957680215	0.9999986525	0
0.3609789227	0.9999986525	42.7989612855
0.6051435013	0.9999986525	0
0.1208765209	0.9999986525	3.7490181457
0.9636729116	0.9999986525	0.6767978244
0.6428882271	0.9999986525	134.1211241639
0.2812086487	0.9999986525	175.6494461867
0.4465268932	0.9999986525	0
0.3367340473	0.9999986525	412.6820106478
0.7527485916	0.9999986525	0
0.6209341691	0.9999986525	0
0.6733033719	0.9999986525	45.3547983183
0.0248140912	0.9999986525	11.6440134672
0.5954200674	0.9999986525	5.1660480587
0.7286665691	0.9999986525	2.6086100082
0.127060821	0.9999986525	0
0.6408676262	0.9999986525	0
0	0	0
0.0870828969	0.9999986525	661.7009800906
0.3255355584	0.9999986525	112.6696922161
0.5353412149	0.9999986525	7.2529511807
0.0267054372	0.9999986525	4.4304500497
0.1990608982	0.9999986525	0
0.4202778218	0.9999986525	8.6626670119
0.0756329515	0.9999986525	8.2309542938
0.2532083734	0.9999986525	16.1165450797
0.0710252116	0.9999986525	0
0.1370143484	0.9999986525	0
0.810905397	0.9999986525	11.597683613
0.8455826455	0.9999986525	0
0.9656037028	0.9999986525	174.2075367553
0.1996872809	0.9999986525	6.0852538572
0.3256485882	0.9999986525	0

gene_expression_table

0.7863950567	0.9999986525	3.8156210112
0.8282674635	0.9999986525	0
0.001328	0.9999986525	0
0.5779101282	0.9999986525	0
0.0480938665	0.9999986525	0
0.6767591993	0.9999986525	74.1074624317
0.1894920339	0.9999986525	0
0.4156117	0.9999986525	49.3446124006
0.5117127747	0.9999986525	9.2235274583
0.6056852955	0.9999986525	107.446156016
0.7541187257	0.9999986525	40.8184084446
0.067757672	0.9999986525	1.4703615977
0.7648350374	0.9999986525	15.8125503672
0.4729816619	0.9999986525	0
0.801668901	0.9999986525	489.8424118798
0.2284490699	0.9999986525	6.515410588
0.3305037841	0.9999986525	1.8974605959
0.7528918336	0.9999986525	0
0.8114801862	0.9999986525	4.8532725204
0.6312664098	0.9999986525	0
0.3519887641	0.9999986525	197.7123752038
0.1305451842	0.9999986525	0
0.9972177788	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0.8832925677	0.9999986525	9.4745624701
0.8341821637	0.9999986525	13.9855022225
0.346785013	0.9999986525	466.3480638085
0.335034503	0.9999986525	0
0.3420313646	0.9999986525	0
0.0944131067	0.9999986525	2.820502976
0.5666890955	0.9999986525	532.4654641594
0.4729816619	0.9999986525	0
0.1831689936	0.9999986525	14.6020294924
0.9169990031	0.9999986525	3600.2184061757
0.2994182121	0.9999986525	0
0.2812654717	0.9999986525	6541.3948077377
0.6221171804	0.9999986525	0
0.6382889573	0.9999986525	0
0.8622728307	0.9999986525	0
0.6593552957	0.9999986525	0
0.9972261752	0.9999986525	0
0.0811501642	0.9999986525	59.9914689792
0.1120728721	0.9999986525	181.604595339
0.2285315232	0.9999986525	114.3034698113
0.0952462998	0.9999986525	1.1294920385
0.8803635686	0.9999986525	43.414647124
0.6054485315	0.9999986525	4.0196299738
0.2966255536	0.9999986525	33.8136953896

gene_expression_table

0.0425712523	0.9999986525	0
0.4763061874	0.9999986525	40.6886889263
0.5672041143	0.9999986525	0
0.9715942792	0.9999986525	1424.7078021664
0.6015773991	0.9999986525	52.6501178596
0.2666639544	0.9999986525	3222.6726843046
0.9166343292	0.9999986525	0.3249387407
0.9815084842	0.9999986525	140.5235660887
0.1973664543	0.9999986525	0
0.9861705847	0.9999986525	112.3939523863
0.810161631	0.9999986525	11.3160190204
0.8613872445	0.9999986525	350.7111986051
0.5202336508	0.9999986525	6.1490183055
0.8105701263	0.9999986525	31.2323585017
0.8529920687	0.9999986525	0
0.6312664098	0.9999986525	0
0.416596058	0.9999986525	20.9787162766
0.6403239576	0.9999986525	0
0.4445750527	0.9999986525	48.2633717473
0.2759028692	0.9999986525	0
0.1249702835	0.9999986525	61.8947643704
0.5533677611	0.9999986525	13.1116976729
0.2422464287	0.9999986525	55.5117912826
0.6457950968	0.9999986525	228.6316806334
0.3202754017	0.9999986525	0
0.829045351	0.9999986525	962.7537176671
0.2130237439	0.9999986525	43.0343599318
0.6044304734	0.9999986525	3.3220479448
0.1636473192	0.9999986525	3.4588983055
0.489092423	0.9999986525	0
0.1847119089	0.9999986525	183.6207500263
0.8142657574	0.9999986525	0
0.8588610868	0.9999986525	0
0.888505362	0.9999986525	0
0.255561553	0.9999986525	29.2922452725
0.3353073152	0.9999986525	2474.4441921551
0.3474584626	0.9999986525	228.981537834
0.5158067125	0.9999986525	0
0.3999046673	0.9999986525	14.8939419702
0.2541657083	0.9999986525	0
0.5307568397	0.9999986525	51.3654135638
0.3023797833	0.9999986525	25.3547375066
0.5132025384	0.9999986525	12.7585259636
0.0799545238	0.9999986525	102.0938196196
0.6286261041	0.9999986525	24.7673598885
0.8133012253	0.9999986525	0
0.025339143	0.9999986525	57.6039044334
0.9257760266	0.9999986525	28.640953485
0.5029300237	0.9999986525	30.8552589443

gene_expression_table

0.8407280613	0.9999986525	2.3174163329
0.918860048	0.9999986525	88.0598886641
0.2120985064	0.9999986525	24.9871533631
0.8180987111	0.9999986525	22.8240949374
0.9576821281	0.9999986525	2.8875054387
0.3004012757	0.9999986525	0
0.0167559588	0.9999986525	11.6544137314
0.9970764644	0.9999986525	9.8717604161
0.6160519669	0.9999986525	3.5664998239
0.891461767	0.9999986525	163.5927144725
0.6556425067	0.9999986525	22.7990149909
0.1016890845	0.9999986525	97.6743533908
0.6241710589	0.9999986525	5.2887961372
0.3153474239	0.9999986525	23.8628158259
0.7845787814	0.9999986525	9.4045226373
0.256917669	0.9999986525	8.3014646693
0.9270830015	0.9999986525	19.4957247052
0.6473030989	0.9999986525	0
0.6433495833	0.9999986525	0
0.052246338	0.9999986525	8.7450603805
0.6340069719	0.9999986525	0
0.0541927982	0.9999986525	123.1093664949
0.357559696	0.9999986525	91.4449101864
0.7039703373	0.9999986525	0
0.4589309121	0.9999986525	0
0.5170354479	0.9999986525	9.958984634
0.2871153574	0.9999986525	1.1189389455
0.4003935642	0.9999986525	117.9906327508
0.0834840512	0.9999986525	0
0.3301098732	0.9999986525	0
0.9422505447	0.9999986525	0
0.0789954175	0.9999986525	0
0.4665969982	0.9999986525	149.5698980921
0.2230152133	0.9999986525	12.4414412783
0.6864593209	0.9999986525	279.6500965084
0.9662041	0.9999986525	536.2078334715
0.6786700859	0.9999986525	3.1683915188
0.7599378019	0.9999986525	24.8746788933
0.1902447646	0.9999986525	0
0.4083142083	0.9999986525	0
0.8622023284	0.9999986525	0
0.2674981673	0.9999986525	0
0.074906931	0.9999986525	0
0	0	0
0	0	0
0.1427959265	0.9999986525	0
0	0	0
0.6098761915	0.9999986525	0
0.4274397564	0.9999986525	0

gene_expression_table

0	0	0
0.6988889454	0.9999986525	46.6785997692
0.102510938	0.9999986525	0
0.2000626373	0.9999986525	17.2256745683
0.5257323429	0.9999986525	2.2676325611
0.2574863455	0.9999986525	131.9523253624
0.6403160343	0.9999986525	0
0.8035396371	0.9999986525	4.8685396595
0.2096048762	0.9999986525	0
0.7593428708	0.9999986525	0
0.1026070483	0.9999986525	1967.3823761011
0.6403081047	0.9999986525	0
0.7813096581	0.9999986525	48.8791469008
0.350459501	0.9999986525	6.5170185373
0.335166057	0.9999986525	0
0.6891496274	0.9999986525	21.0037455662
0.2850480166	0.9999986525	11.273944035
0.563076021	0.9999986525	31.6516350391
0.9316346287	0.9999986525	15.3701970174
0.575694419	0.9999986525	9.9667707542
0.3352558168	0.9999986525	9.1405189038
0.6923773878	0.9999986525	0
0	0	0
0.2007315439	0.9999986525	4.7858924267
0.527285758	0.9999986525	0
0.663587728	0.9999986525	0
0.0652049094	0.9999986525	3.2259669686
0.807449067	0.9999986525	0
0.472558091	0.9999986525	24.2515983131
0.4030513474	0.9999986525	0
0.7090970231	0.9999986525	0
0.7115871701	0.9999986525	18.3461287803
0.6312664098	0.9999986525	0
0.9998761962	0.9999986525	84.4009879765
0.6978227218	0.9999986525	35.8060462551
0.4281512695	0.9999986525	0
0.7384622321	0.9999986525	62.7219654835
0.6448427365	0.9999986525	0
0.0339443063	0.9999986525	63.1242050514
0.3094057404	0.9999986525	0
0.4073641567	0.9999986525	0
0.4464961756	0.9999986525	257.5683185136
0.6629903015	0.9999986525	240.5492226907
0.5985528881	0.9999986525	0
0.0613958316	0.9999986525	29.4786326336
0.2537470584	0.9999986525	0
0.9839115973	0.9999986525	24.8341308274
0.6538354735	0.9999986525	35.6454109039
0.442457911	0.9999986525	0

gene_expression_table

0.6932350948	0.9999986525	14.1713851632
0.2733388544	0.9999986525	0
0.3368786822	0.9999986525	5.9575767881
0	0	0
0.2620969569	0.9999986525	0
0.8507698661	0.9999986525	7.1553879185
0.0169602151	0.9999986525	0
0.7551133781	0.9999986525	42.4037882186
0.6061251423	0.9999986525	1.8687915582
0.2863172618	0.9999986525	0
0.1731144663	0.9999986525	0
0.8116660277	0.9999986525	0
0.449978893	0.9999986525	4.8817400382
0.160015244	0.9999986525	2.7504384036
0.2733641246	0.9999986525	0
0.3371604181	0.9999986525	12.4885122313
0.6312664098	0.9999986525	0
0.805481544	0.9999986525	135.8812810604
0.9800742498	0.9999986525	26.0795162974
0.9908388129	0.9999986525	20.1164323769
0.5161148466	0.9999986525	8.7893449571
0.7141503441	0.9999986525	0
0.5721469803	0.9999986525	37.4102484337
0.0628764823	0.9999986525	7.9586977436
0.8512615133	0.9999986525	1.5344185193
0.3983256703	0.9999986525	0
0.003081	0.9999986525	16.4953285629
0.4716051222	0.9999986525	14.1278442213
0.9070426844	0.9999986525	5.2836562467
0.8524830549	0.9999986525	0
0.0445044323	0.9999986525	46.6119405773
0.4742661212	0.9999986525	3.4049819411
0.6372216083	0.9999986525	0
0.245091171	0.9999986525	40.8530523452
0.5625565014	0.9999986525	0
0.6020353216	0.9999986525	0
0.1812552361	0.9999986525	2.0302113564
0.2153252607	0.9999986525	0.2241877172
0.9171112969	0.9999986525	0
0.3137846545	0.9999986525	0
0.2925473203	0.9999986525	0
0.8095536552	0.9999986525	0
0.8373645272	0.9999986525	0
0.8819498609	0.9999986525	4.449286299
0.5848518692	0.9999986525	6.4103896473
0.233479945	0.9999986525	0.3442597317
0.244297269	0.9999986525	0
0.6403001687	0.9999986525	0
0.6402922262	0.9999986525	0

gene_expression_table

0.4555576695	0.9999986525	0
0.1702696067	0.9999986525	34.0076743247
0.8276730606	0.9999986525	15.6462504003
0	0	0
0.6880105509	0.9999986525	0
0.7112066796	0.9999986525	8.7071628532
0.0525586479	0.9999986525	0
0.407977789	0.9999986525	1.050605097
0.4439305308	0.9999986525	200.5084215122
0.2130990224	0.9999986525	3.9867083017
0	0	0
0.3651754684	0.9999986525	0
0.7786970695	0.9999986525	105.9872715474
0.6728680225	0.9999986525	0
0.355775883	0.9999986525	0
0.4591844069	0.9999986525	1.468787269
0.8223608363	0.9999986525	6.3149364161
0.4104587167	0.9999986525	7.7928817545
0.2396959147	0.9999986525	0
0.4027121381	0.9999986525	2.55596565
0.9423976894	0.9999986525	0.1263649579
0.1886534088	0.9999986525	192.9198950536
0.6802701349	0.9999986525	55.3394075528
0.8918416691	0.9999986525	0.6584537674
0.2034737987	0.9999986525	0.1248786259
0.7257447906	0.9999986525	1.0061557116
0.2237017344	0.9999986525	0
0.2004334085	0.9999986525	0
0.5396226041	0.9999986525	0.27379904
0.4729816619	0.9999986525	0
0.1336759182	0.9999986525	0
0.2482829048	0.9999986525	9.3621410655
0.9455265072	0.9999986525	94.176031074
0.6348338519	0.9999986525	4.8617424225
0.2732566303	0.9999986525	2.4388036184
0.2416762507	0.9999986525	0
0	0	0
0.9955703328	0.9999986525	19.1315166417
0.0867216339	0.9999986525	8.3311470543
0.6452772173	0.9999986525	1.6493216525
0.1385663282	0.9999986525	110.0239026056
0.2900481445	0.9999986525	3.1305794131
0.3680252162	0.9999986525	1.9681808247
0.6088857229	0.9999986525	0.2044911071
0.7053624616	0.9999986525	0
0.5214475827	0.9999986525	2.8768884533
0.7993309361	0.9999986525	3.6984536573
0.4146047929	0.9999986525	383.3631980561
0.6280620131	0.9999986525	0

gene_expression_table

0.8710287649	0.9999986525	0
0.7393554165	0.9999986525	138.4522441812
0.881957567	0.9999986525	0
0.4026834602	0.9999986525	3.3798744545
0.497646772	0.9999986525	91.1999969372
0.4795526219	0.9999986525	1.2901582525
0.7696306011	0.9999986525	22.7837934788
0.1450622162	0.9999986525	0
0.7869860509	0.9999986525	2.1621477498
0.336830958	0.9999986525	0
0.7303097298	0.9999986525	0
0.1290361262	0.9999986525	10.9183360474
0.904650437	0.9999986525	8.9616377081
0.0942666597	0.9999986525	157.1036648439
0.5126534258	0.9999986525	0
0.4112815837	0.9999986525	0
0.2330628872	0.9999986525	10.4146639798
0.088546908	0.9999986525	2.1823392076
0.009774	0.9999986525	4.919252827
0.3143393042	0.9999986525	5.4504119663
0.2557318937	0.9999986525	2.7704450897
0.4426345019	0.9999986525	31.1354928796
0.5181383129	0.9999986525	0
0.3657684939	0.9999986525	44.4045434901
0	0	0
0.008566	0.9999986525	0
0.5976164309	0.9999986525	7.4649820027
0.848824863	0.9999986525	1.1577429573
0.1829737027	0.9999986525	18.3892472933
0.1583893584	0.9999986525	1.3121714871
0.9322356637	0.9999986525	9.1975058734
0.0861524929	0.9999986525	12.2737434874
0	0	0
0.9592048558	0.9999986525	0
0.1942838943	0.9999986525	11.054718624
0.4973172685	0.9999986525	11.4259311282
0.0456202291	0.9999986525	20.9766331948
0.2863819254	0.9999986525	2.3851293062
0.6397064999	0.9999986525	0
0.4713262799	0.9999986525	7.5969387552
0.1322610391	0.9999986525	0
0.1899322775	0.9999986525	0
0.5013402711	0.9999986525	0.1903952119
0.8995657924	0.9999986525	0
0.273086892	0.9999986525	1.5961363801
0.739793467	0.9999986525	5.3478387187
0.7242297459	0.9999986525	9.4001227487
0.1757662562	0.9999986525	8.3837665126
0.3106695852	0.9999986525	0

gene_expression_table

0.2561562745	0.9999986525	0
0.493440265	0.9999986525	8.5656924504
0.5358667631	0.9999986525	3.8894536114
0.5996807121	0.9999986525	0
0.30755387	0.9999986525	0
0.1597306321	0.9999986525	8.5981144854
0.325406586	0.9999986525	0
0.9281527853	0.9999986525	0
0.6547951782	0.9999986525	31.1586538208
0.3556623687	0.9999986525	0
0.592847263	0.9999986525	1.4781145076
0.3826235796	0.9999986525	9.5790184504
0.4029945366	0.9999986525	9.8995160687
0.7583116531	0.9999986525	0
0.3665552566	0.9999986525	73.1060762476
0.1669998051	0.9999986525	44.9288968323
0.6312664098	0.9999986525	0
0.3367834063	0.9999986525	0
0.0276934687	0.9999986525	358.6130249935
0.0737447542	0.9999986525	39.8540920964
0.6312664098	0.9999986525	0
0.3743723527	0.9999986525	56.348506352
0.9074697241	0.9999986525	11.4493127377
0.5605873726	0.9999986525	0
0.2005620503	0.9999986525	12.5320737077
0.739618158	0.9999986525	28.8705821208
0.3302234128	0.9999986525	23.9110658033
0.1301505133	0.9999986525	5.9515346209
0.2442982102	0.9999986525	9.773115882
0.6823326083	0.9999986525	15.1052277275
0.9359106179	0.9999986525	0
0.3139335438	0.9999986525	6.598440558
0.2214197736	0.9999986525	161.181846062
0.3501041357	0.9999986525	7.7360360665
0.5107486803	0.9999986525	51.9438585948
0.6745404679	0.9999986525	4.052391526
0.9372608894	0.9999986525	4.0489051078
0.8436490951	0.9999986525	4.5069222954
0.6339125286	0.9999986525	17.9639177641
0.2152989418	0.9999986525	193.1947259533
0.8623905352	0.9999986525	1.9328765271
0.6312664098	0.9999986525	0
0.3420507072	0.9999986525	0
0.0526661864	0.9999986525	0
0.0415094285	0.9999986525	16.0078557934
0.5254024089	0.9999986525	8.0480023895
0.7169234279	0.9999986525	2.5304929436
0	0	0
0.5357625584	0.9999986525	0

gene_expression_table

0.3558315282	0.9999986525	39.6500887585
0.9285971793	0.9999986525	11.7753503473
0.3760848427	0.9999986525	7.6427822564
0.5357495767	0.9999986525	4.6497264803
0.4151866428	0.9999986525	90.4261892965
0.6416830087	0.9999986525	0
0.6421916577	0.9999986525	0
0.6155838911	0.9999986525	0
0.5928112764	0.9999986525	0
0.390335954	0.9999986525	6.9946033321
0.818755852	0.9999986525	107.2478433495
0.5641793685	0.9999986525	35.1998921796
0.442801036	0.9999986525	4.282151719
0.5271398503	0.9999986525	0
0.6665420151	0.9999986525	15.622851735
0.6999859506	0.9999986525	19.7605111783
0.6958726301	0.9999986525	0
0.3834770345	0.9999986525	0
0.1004881053	0.9999986525	2.2260445264
0.030829513	0.9999986525	35.6743668596
0.0716729021	0.9999986525	0
0.8818349347	0.9999986525	66.876685427
0.4955363401	0.9999986525	10.7657174186
0.1125519425	0.9999986525	65.249909098
0.6286029672	0.9999986525	0
0.6098761915	0.9999986525	0
0.2299239591	0.9999986525	0
0.6769317461	0.9999986525	14.0822094247
0.2858880917	0.9999986525	0
0.8356568867	0.9999986525	0
0.0878648143	0.9999986525	8.0233829436
0.8343800232	0.9999986525	0
0.011771458	0.9999986525	4.8587978773
0.4073955524	0.9999986525	0
0.336823401	0.9999986525	0
0	0	0
0.9500390055	0.9999986525	0
0.4729816619	0.9999986525	0
0.7116709906	0.9999986525	0
0.3810611079	0.9999986525	219.9384608374
0.4072754761	0.9999986525	3.56862855
0.3250505084	0.9999986525	0
0.6837244543	0.9999986525	0.1515785797
0.7269656123	0.9999986525	0.9259264403
0.6780636109	0.9999986525	0
0.6115964775	0.9999986525	14.2011073478
0.0654599187	0.9999986525	12.1585998794
0.7333254341	0.9999986525	4.8388765611
0.9930975242	0.9999986525	3.3239645176

gene_expression_table

0.4544042258	0.9999986525	33.4582947268
0.4518840872	0.9999986525	13.1469132325
0.2029191476	0.9999986525	4.1394273127
0.8340380864	0.9999986525	101.7684631945
0.9154110355	0.9999986525	1.9051265503
0.617355369	0.9999986525	0
0.2111596803	0.9999986525	5.0818912903
0.4999700131	0.9999986525	2.1127257471
0.1046372315	0.9999986525	5.1389153934
0.7803585972	0.9999986525	0
0.9559024345	0.9999986525	4.4579993438
0.5322073549	0.9999986525	0
0	0	0
0.1401403229	0.9999986525	8.5011583002
0.6793289897	0.9999986525	0
0.9364877517	0.9999986525	30.1085959201
0.491700142	0.9999986525	3.8665313415
0.6175997957	0.9999986525	0
0.9299591526	0.9999986525	0
0.568344124	0.9999986525	0.7754550667
0.1835143875	0.9999986525	0
0.7454571034	0.9999986525	4.0075819119
0.2627804206	0.9999986525	0
0.1820610837	0.9999986525	2.1050627058
0	0	0
0.4103779563	0.9999986525	12.8552049898
0.4167826258	0.9999986525	4.8849007146
0.1302007952	0.9999986525	22.5244324798
0.9081683546	0.9999986525	10.6279114869
0.4591241284	0.9999986525	0.3875539771
0.4870351814	0.9999986525	0
0.5768253012	0.9999986525	65.3291089564
0.2658932005	0.9999986525	0
0.4911975377	0.9999986525	0
0.8034755738	0.9999986525	1.6404385223
0.6680176829	0.9999986525	1.0515882808
0.8578081725	0.9999986525	8.3059408579
0.1007812073	0.9999986525	2.3323581623
0.1525822971	0.9999986525	0
0.7085253963	0.9999986525	0.275816621
0.2518623644	0.9999986525	7.8057815883
0.2370112181	0.9999986525	5.5939328418
0.8114276142	0.9999986525	0
0.9401584986	0.9999986525	3.3035540268
0.0335092083	0.9999986525	5.1606330102
0.4507498627	0.9999986525	1.540243367
0.8713699993	0.9999986525	62.9792329348
0.9402413663	0.9999986525	3.2231778725
0.883119105	0.9999986525	0.8639465775

gene_expression_table

0.4452391258	0.9999986525	0
0.2373267649	0.9999986525	119.7069141636
0.3803307162	0.9999986525	0.3049055979
0.003284	0.9999986525	66.7790968564
0.6828934338	0.9999986525	10.4169463957
0.1551721283	0.9999986525	1.4201489211
0.4932880138	0.9999986525	307.6079466586
0.5501062497	0.9999986525	9.508026565
0.3567262747	0.9999986525	1147.6346258299
0.9023511392	0.9999986525	12.5615826816
0.9926344783	0.9999986525	2.6763583868
0.6508871974	0.9999986525	73.5228559995
0.9430517405	0.9999986525	0
0.9861911039	0.9999986525	10.342691177
0.2673480246	0.9999986525	26.2935681007
0.7252620589	0.9999986525	0
0.3249336053	0.9999986525	0
0.0202667207	0.9999986525	2.9858615008
0.5868592284	0.9999986525	74.8249136618
0	0	0
0.6312664098	0.9999986525	0
0.2631973682	0.9999986525	0
0.562440646	0.9999986525	191.4356970687
0.1892578266	0.9999986525	193.0333268505
0.0885044215	0.9999986525	79.2406875113
0.7128243654	0.9999986525	102.0777974953
0.9298208943	0.9999986525	0
0.7125328266	0.9999986525	3.2105725366
0.4648704373	0.9999986525	0.3045451665
0.1859193043	0.9999986525	0
0.032222513	0.9999986525	219.85812159
0.7695804736	0.9999986525	0
0.367547977	0.9999986525	0
0.5586440061	0.9999986525	179.5984523679
0.0916676751	0.9999986525	0
0.6041285217	0.9999986525	41.0010578829
0.362533399	0.9999986525	0
0.7539880367	0.9999986525	12.1296283929
0.1342279442	0.9999986525	188.1172510287
0.3302168005	0.9999986525	9.6301077132
0.1895095998	0.9999986525	0
0.5717878512	0.9999986525	7.0896452239
0.1224964435	0.9999986525	2.5081406766
0.8537978587	0.9999986525	0
0.8144485154	0.9999986525	4.6621084207
0.7903750074	0.9999986525	2.3541698936
0.6176563209	0.9999986525	0
0.9430746306	0.9999986525	2.0498318737
0.6402763203	0.9999986525	0

gene_expression_table

0.2808699766	0.9999986525	3.2529899434
0.5747218245	0.9999986525	0
0.9856976962	0.9999986525	2.4386534712
0.8730716598	0.9999986525	4.9609166096
0	0	0
0.7818882525	0.9999986525	15.1546393763
0.623848747	0.9999986525	4.3053654705
0.2858524976	0.9999986525	10.2710848359
0.6037469751	0.9999986525	0
0.599198204	0.9999986525	1.7232981442
0.0525008676	0.9999986525	32.0743588721
0.2972125256	0.9999986525	0.7645732725
0.8782512169	0.9999986525	0
0.7632282998	0.9999986525	29.0452345883
0.9132867326	0.9999986525	9.4818524643
0.8706173979	0.9999986525	0.1694899576
0.4745335078	0.9999986525	1.8396613625
0.068766282	0.9999986525	0.1258052348
0.001266	0.9999986525	54.7397626015
0.8622359358	0.9999986525	0.6011076385
0.5711313291	0.9999986525	492.2735387273
0.287601432	0.9999986525	113.1669080917
0.4900516676	0.9999986525	15.6182317157
0.1738160143	0.9999986525	2.2913330828
0.4163345187	0.9999986525	9.8441599676
0.0941199656	0.9999986525	0
0.5008989401	0.9999986525	11.5841770879
0.3820454685	0.9999986525	0
0.4432791036	0.9999986525	2.6089380203
0.2521777785	0.9999986525	0
0.5556705964	0.9999986525	0
0.6962754943	0.9999986525	0
0.1267306016	0.9999986525	1.1693679378
0.7779015821	0.9999986525	37.9759536257
0.5803482044	0.9999986525	6.6567770601
0.3420700529	0.9999986525	0
0.9924472143	0.9999986525	1.4446083506
0.2139629809	0.9999986525	0
0.6933155805	0.9999986525	0
0.9947188185	0.9999986525	0
0.6858415324	0.9999986525	0.2721515861
0.3687639701	0.9999986525	35.6385250526
0.1409166936	0.9999986525	0
0.7445253282	0.9999986525	8.9420390648
0.0710601937	0.9999986525	7.4733151587
0.5658617507	0.9999986525	3.7748494194
0.3345458639	0.9999986525	0
0.5919770381	0.9999986525	2.8111948808
0.514651096	0.9999986525	1.9419658204

gene_expression_table

0.0433879111	0.9999986525	0.145554237
0.8712829565	0.9999986525	6.1857482111
0	0	0
0.4380106515	0.9999986525	19.362158688
0.0998921416	0.9999986525	0
0.4095133158	0.9999986525	10.3765713557
0.9542889748	0.9999986525	54.1237120581
0.847431982	0.9999986525	313.172185252
0.3990876431	0.9999986525	1.018983566
0.1046366913	0.9999986525	0
0.7932841877	0.9999986525	0.696750781
0.0513011803	0.9999986525	6.1643292487
0.1837408903	0.9999986525	1.0330249724
0.3543891552	0.9999986525	38.3560751496
0.7686938273	0.9999986525	1.1372383636
0.7207049893	0.9999986525	1.1955341866
0.5318981456	0.9999986525	0
0.0665371228	0.9999986525	3.1434361297
0.701872499	0.9999986525	0
0.6220080861	0.9999986525	0
0.7179273913	0.9999986525	9.6162264242
0.4729816619	0.9999986525	0
0.0739229291	0.9999986525	0
0.6402683596	0.9999986525	0
0.6396926222	0.9999986525	0
0.0932476764	0.9999986525	63.3500281755
0.7153552678	0.9999986525	4.6573120129
0.232478635	0.9999986525	5.6000337426
0.0515640592	0.9999986525	0
0.4514339034	0.9999986525	1.1301688007
0.3572973655	0.9999986525	55.1170223756
0.5544967195	0.9999986525	0
0.4068997721	0.9999986525	0
0.1185635055	0.9999986525	11.1574771789
0	0	0
0.4729816619	0.9999986525	0
0.4729816619	0.9999986525	0
0.2274646749	0.9999986525	3.3547734098
0.5718576373	0.9999986525	3.6849245725
0.9383787239	0.9999986525	73.1460942149
0.5041031226	0.9999986525	54.8512503834
0.2760898598	0.9999986525	1699.1573479209
0.7482891501	0.9999986525	0
0	0	0
0.5272524189	0.9999986525	4.1804660804
0.7299164391	0.9999986525	0
0.9837815677	0.9999986525	0.3311321247
0.2910664892	0.9999986525	555.7109971202
0.4617984186	0.9999986525	4.3700435238

gene_expression_table

0.4074269349	0.9999986525	0
0.9375364213	0.9999986525	38.3800624374
0.3610331654	0.9999986525	9.5881967168
0.555739782	0.9999986525	10.5719459985
0.6607591252	0.9999986525	21.9616798149
0.1424311344	0.9999986525	71.7808992861
0.7641717345	0.9999986525	0.5805322146
0.3730663846	0.9999986525	0
0.6402603911	0.9999986525	0
0.778169528	0.9999986525	238.6530421433
0.6073690266	0.9999986525	3.7537078158
0.1035480477	0.9999986525	19.3590150797
0.3092438634	0.9999986525	271.0391697831
0.3319426782	0.9999986525	3.986758459
0.623340901	0.9999986525	0
0.6603244793	0.9999986525	84.1740869747
0.2332149223	0.9999986525	0
0.4047091174	0.9999986525	4.49422782
0.8985697102	0.9999986525	2.2318120096
0.7074677131	0.9999986525	26.6455579732
0.8847506732	0.9999986525	0.4859893279
0.9672327112	0.9999986525	4.5812988733
0.1632811133	0.9999986525	18.3785819138
0.8680582842	0.9999986525	0.3750442459
0.0953370249	0.9999986525	8.0241956233
0.9586830788	0.9999986525	0.4536966379
0	0	0
0.1748141985	0.9999986525	0
0.0796905399	0.9999986525	2.3467637514
0.5815636575	0.9999986525	1.6384537515
0.935861932	0.9999986525	61.9154961621
0.3368634269	0.9999986525	0
0.4954020587	0.9999986525	19.7214033705
0.4882441653	0.9999986525	136.2658502149
0.7515047793	0.9999986525	12.2193155191
0.285588017	0.9999986525	0
0.0214397484	0.9999986525	5.9401550136
0.7144973367	0.9999986525	1.8980606869
0	0	0
0	0	0
0.8486854513	0.9999986525	1.1180624982
0.5609261256	0.9999986525	0
0.8781438649	0.9999986525	0
0.2889176024	0.9999986525	11.6773905757
0.1394324843	0.9999986525	0
0.2455250806	0.9999986525	119.2053227092
0.1863324762	0.9999986525	1.1386604479
0	0	0
0.1740801304	0.9999986525	0

gene_expression_table

0.6166995041	0.9999986525	4.6897170241
0.8004712694	0.9999986525	0.7581317011
0.9276921644	0.9999986525	203.3912126816
0.003937	0.9999986525	16.2437722656
0.0263642021	0.9999986525	3.6658511992
0.7360792634	0.9999986525	0
0.4528894085	0.9999986525	1.8050794889
0.5178565957	0.9999986525	0.4817469509
0.264277852	0.9999986525	0.3563632073
0.4690650058	0.9999986525	1.8245922775
0.8117658766	0.9999986525	4.7164548596
0.0462360421	0.9999986525	8.1569833643
0.1835283788	0.9999986525	21.6192058235
0.3395278632	0.9999986525	8.7873486659
0.2501854383	0.9999986525	20.7937908061
0.2715420473	0.9999986525	0
0.982017077	0.9999986525	4.2415707526
0.6098761915	0.9999986525	0
0	0	0
0.319141334	0.9999986525	40.487140992
0.9383286056	0.9999986525	30.7916967271
0.1632111141	0.9999986525	0
0.2247769315	0.9999986525	0
0.4406069417	0.9999986525	30.0352128221
0.8204902933	0.9999986525	13.7536245381
0.9645795307	0.9999986525	559.1049975098
0.1075453136	0.9999986525	0
0.2031184247	0.9999986525	0
0.7345862433	0.9999986525	0
0.4664629713	0.9999986525	161.7165140892
0.3584199631	0.9999986525	141.1581809366
0.544048751	0.9999986525	112.8502526203
0.00155	0.9999986525	61.6985026008
0.2321091095	0.9999986525	0
0.8839977518	0.9999986525	50.491317616
0.9244094697	0.9999986525	15.5209516498
0.3020736155	0.9999986525	5.0805410979
0.6603600781	0.9999986525	25.9485349949
0.3779807311	0.9999986525	90.0493064387
0.4029379392	0.9999986525	0
0.0854263045	0.9999986525	140.9112791013
0.1121465848	0.9999986525	91.2472671498
0.972951525	0.9999986525	0
0.4870129515	0.9999986525	0
0.30755387	0.9999986525	0
0.6876964891	0.9999986525	6.5612242187
0.5414986626	0.9999986525	0
0.6089129592	0.9999986525	30.9284624056
0.9922152531	0.9999986525	12.1579001442

gene_expression_table

0.4324843803	0.9999986525	10.056601376
0.6582421856	0.9999986525	118.4611249936
0.6411270632	0.9999986525	0.4843847113
0.7410162964	0.9999986525	1.1781273654
0.7708594424	0.9999986525	8.6037172316
0.9169923191	0.9999986525	0
0.2365552834	0.9999986525	22.6965835364
0.776003589	0.9999986525	0
0.4769044793	0.9999986525	10.3106873398
0.2500800109	0.9999986525	21.6862555709
0.9098775993	0.9999986525	0.7445606167
0.2346063186	0.9999986525	0.6131314661
0.3294364203	0.9999986525	0
0.3016110819	0.9999986525	30.2528530582
0.9079198662	0.9999986525	1.852924893
0.4295023236	0.9999986525	0.5361819109
0.1919613537	0.9999986525	0.2678652416
0.8542018053	0.9999986525	0.9254964598
0.9298432236	0.9999986525	0
0	0	0
0.7002747706	0.9999986525	1.4684299371
0.1791770317	0.9999986525	7.4934617234
0.4893720127	0.9999986525	1.6839919934
0.9589897771	0.9999986525	5.3740038218
0.5764377773	0.9999986525	0
0.1109544764	0.9999986525	1.7580612572
0.391273335	0.9999986525	2.4190227171
0.4529242107	0.9999986525	1.0944075226
0.4271736524	0.9999986525	0.3502396314
0.4062080027	0.9999986525	0
0.6648192233	0.9999986525	26.9081229022
0.6812204228	0.9999986525	0
0.6826057102	0.9999986525	9.1948237429
0.8030174764	0.9999986525	0.4471587353
0.7304505256	0.9999986525	3.2775684261
0.967851867	0.9999986525	1.0216841396
0.578256546	0.9999986525	17.8497763371
0.9412722154	0.9999986525	6.3899583031
0.1017980406	0.9999986525	43.4810264727
0.757715678	0.9999986525	3.5245699374
0.3198238669	0.9999986525	6.0255468598
0.3881085074	0.9999986525	0
0.8779852649	0.9999986525	27.5664739225
0.6312664098	0.9999986525	0
0.3047814966	0.9999986525	0
0.6049711272	0.9999986525	2.4964332735
0.9296678184	0.9999986525	0
0.7457045837	0.9999986525	0.7669975635
0.3612705579	0.9999986525	387.9441815003

gene_expression_table

0.8886969685	0.9999986525	13.9682407369
0.7683403102	0.9999986525	0.675758662
0.6481766509	0.9999986525	0
0.7620766958	0.9999986525	3.3144268155
0.4919424505	0.9999986525	0
0.321213027	0.9999986525	0.2808548832
0.7048108694	0.9999986525	0
0.0876000027	0.9999986525	2.4441269975
0.864146911	0.9999986525	0
0.3285455631	0.9999986525	5.8246719159
0.4648698926	0.9999986525	55.3488977429
0.3467677428	0.9999986525	0
0.3366665081	0.9999986525	0.6038659903
0.0736833116	0.9999986525	0
0.3846361408	0.9999986525	0
0.5804123148	0.9999986525	1142.9409176205
0.9431602288	0.9999986525	0.4338362061
0.0422594126	0.9999986525	0
0.4555638821	0.9999986525	5.7729593077
0.3204017756	0.9999986525	11.4333309119
0.9701879642	0.9999986525	5.9668653094
0.4226392316	0.9999986525	0.8958561279
0.3600786575	0.9999986525	2.3724223877
0.2486488642	0.9999986525	0
0.6833215979	0.9999986525	0.3936372651
0.0745295985	0.9999986525	0.5914080113
0.6726805141	0.9999986525	5.1571055782
0.0006092	0.9999986525	21.2354921913
0.4991563621	0.9999986525	0
0.4514739311	0.9999986525	8.1220943062
0.8889454948	0.9999986525	1.6548565143
0.4836077737	0.9999986525	7.9248614354
0.6047145229	0.9999986525	2.6373003871
0.7147986222	0.9999986525	0
0.9077560703	0.9999986525	238.1404796915
0.0130110768	0.9999986525	4.5779278149
0.4074667026	0.9999986525	0
0.8167265398	0.9999986525	59.7342406212
0.7783182187	0.9999986525	3.2049225212
0.7338676699	0.9999986525	4.0842240648
0.2625771148	0.9999986525	0
0.0104471159	0.9999986525	0
0.4729816619	0.9999986525	0
0.6465834634	0.9999986525	2.2564264815
0.9464515504	0.9999986525	0
0.5535716608	0.9999986525	0
0.4396775402	0.9999986525	3.9612419291
0.7936781248	0.9999986525	6.4302258691
0.1072265688	0.9999986525	0.1579066092

gene_expression_table

0.571627785	0.9999986525	2.9459722899
0.9786769726	0.9999986525	0
0.7539435317	0.9999986525	21.3621450763
0.9835985842	0.9999986525	0
0.8890129954	0.9999986525	17992.2890236935
0.3002008416	0.9999986525	7.8291556563
0.6069461537	0.9999986525	5.9968114257
0.3196045074	0.9999986525	0
0.6393618846	0.9999986525	12.741415858
0.0542108683	0.9999986525	2.6474026647
0.3075114913	0.9999986525	0
0.1276114079	0.9999986525	0.4120598595
0.2996721301	0.9999986525	7.1389454212
0.6859256077	0.9999986525	4.5009304778
0.4444232944	0.9999986525	15.9992130029
0.6799162358	0.9999986525	0
0.7058292614	0.9999986525	13.5777153355
0.3226688543	0.9999986525	7.268091634
0.1351543022	0.9999986525	1.5391361609
0.4162601179	0.9999986525	0
0.2809718268	0.9999986525	30.6323023135
0.827501959	0.9999986525	0.7458012882
0.2128166536	0.9999986525	21.7918756814
0.1555414922	0.9999986525	0
0.2518924647	0.9999986525	272.4884561688
0.6112767204	0.9999986525	1.9216863045
0.6062640353	0.9999986525	16.6168594315
0.9574867041	0.9999986525	0
0.8896056888	0.9999986525	0.4251906136
0.763929942	0.9999986525	0
0.7357261785	0.9999986525	0.2200362946
0.3067582631	0.9999986525	88.0752845777
0.0686776571	0.9999986525	7.3043966488
0.7304931084	0.9999986525	0.8346859409
0.2912615633	0.9999986525	6.1500028502
0.7204634501	0.9999986525	3.5365180321
0.5217078676	0.9999986525	46.2220565488
0.7355101883	0.9999986525	0
0.2747662473	0.9999986525	44.9759476702
0.0240211501	0.9999986525	60.623428254
0.6450887636	0.9999986525	1.2657619707
0.976009037	0.9999986525	3.4533697375
0.5265052212	0.9999986525	4.0309813942
0.002364	0.9999986525	22.8214549662
0.4499949908	0.9999986525	5.780014398
0.8853638964	0.9999986525	14.5999663367
0.4987791544	0.9999986525	43.0180021663
0.9494796008	0.9999986525	1.4719187934
0.759312863	0.9999986525	32.7386053969

gene_expression_table

0.7467754899	0.9999986525	0
0.3820994228	0.9999986525	0
0.9774898819	0.9999986525	3.1780332298
0.1252613693	0.9999986525	0
0.3688349367	0.9999986525	3.1303629331
0.3591003786	0.9999986525	10.0571599298
0.675198663	0.9999986525	3.4100812948
0.045900331	0.9999986525	0.5782345308
0.1416762428	0.9999986525	17.3357650914
0.3737338608	0.9999986525	32.7339673795
0.5130317271	0.9999986525	3.7852655959
0.9817435518	0.9999986525	0
0.049778994	0.9999986525	2684.4310234961
0.9561446739	0.9999986525	0
0.1977142212	0.9999986525	8.0529481412
0.9839518709	0.9999986525	25.163646229
0.9961040937	0.9999986525	429.831244227
0.5863549166	0.9999986525	60.4772497275
0.3308674799	0.9999986525	0
0.4028998823	0.9999986525	0
0.7338279081	0.9999986525	0
0.4047727846	0.9999986525	0
0.2755763759	0.9999986525	59.1156461006
0.26420985	0.9999986525	14.9149726705
0.0148998376	0.9999986525	2.5621655376
0.5177690125	0.9999986525	13.3442615156
0.3660899479	0.9999986525	3.3317090208
0.897669336	0.9999986525	1.356469611
0.9686345848	0.9999986525	0
0.6312664098	0.9999986525	0
0.8864512353	0.9999986525	1.2169199048
0.0502600666	0.9999986525	45.3029548072
0	0	0
0.5341368	0.9999986525	8.131473168
0.1927901652	0.9999986525	60.6707848665
0.3348484403	0.9999986525	215.6550356321
0.9911482746	0.9999986525	0
0.2573229324	0.9999986525	0.235606027
0.0662643275	0.9999986525	35.8790205342
0.6305852333	0.9999986525	5.8812826533
0.8822866751	0.9999986525	7.0818287525
0.5928480632	0.9999986525	0
0.7841214995	0.9999986525	11.5041519661
0.8457198223	0.9999986525	1.6747581905
0.7439252537	0.9999986525	29.5474286752
0.2188002815	0.9999986525	14.0196218272
0.5749127555	0.9999986525	72.581269073
0.2391349529	0.9999986525	1.2459443144
0.0550341526	0.9999986525	29.0242648816

gene_expression_table

0.9149876743	0.9999986525	0
0.8215212407	0.9999986525	0
0	0	0
0.6381789318	0.9999986525	17.9761464351
0.887704547	0.9999986525	63.5801583784
0.9614520608	0.9999986525	72.7798597515
0.3257672725	0.9999986525	307.7734162372
0.9339905179	0.9999986525	15.2362491277
0.290995031	0.9999986525	13.7381214497
0.2130469037	0.9999986525	0
0.7270574796	0.9999986525	0
0.6312664098	0.9999986525	0
0.0763050049	0.9999986525	162.5043637733
0.4109187201	0.9999986525	63.6005758987
0.2415250718	0.9999986525	0
0.5788620653	0.9999986525	99.0415719199
0.3274006339	0.9999986525	0
0	0	0
0.686700488	0.9999986525	11.3110533269
0.5927164383	0.9999986525	47.6444909574
0.7482936882	0.9999986525	0.3450604561
0.3356953908	0.9999986525	30.8132545078
0.3060469822	0.9999986525	1.0938635149
0.6959553527	0.9999986525	0
0.3569154611	0.9999986525	0
0.2862266804	0.9999986525	26.4510441868
0.303146489	0.9999986525	0
0.7044811495	0.9999986525	0
0.4125877146	0.9999986525	1426.0267216361
0.9823790916	0.9999986525	2.9883957577
0.1271661593	0.9999986525	0
0.4175030136	0.9999986525	143.8651338006
0.3331310407	0.9999986525	33.1537465325
0.6832852788	0.9999986525	1.4136866144
0.1991001882	0.9999986525	238.241536687
0.9452615649	0.9999986525	0
0.2275957366	0.9999986525	452.475263243
0.4867280906	0.9999986525	3.1408812504
0.7350523989	0.9999986525	406.8868892628
0.1563639472	0.9999986525	0
0.3236135809	0.9999986525	346.1788986567
0.8117411193	0.9999986525	0
0.1435852523	0.9999986525	4.548708587
0.8879494597	0.9999986525	30.9713638624
0.9385840532	0.9999986525	0
0.1818029411	0.9999986525	3.1760128827
0.9308394777	0.9999986525	1.9847892303
0.4658078916	0.9999986525	19.0844156366
0.6330117631	0.9999986525	18.3385198031

gene_expression_table

0.1651338486	0.9999986525	29.259788491
0.7671689308	0.9999986525	11.1571557613
0.7768406911	0.9999986525	10.5508260424
0.6595914375	0.9999986525	0.2426073334
0.9953925618	0.9999986525	2.5781751636
0.0697242568	0.9999986525	10.9741306422
0	0	0
0.3047928786	0.9999986525	0
0.2359621579	0.9999986525	0
0.5829227479	0.9999986525	1.5818707349
0.4772343571	0.9999986525	0
0.2093921927	0.9999986525	7.3868202701
0.2718504771	0.9999986525	1.4911393262
0.9206951349	0.9999986525	15.1462028045
0.595513197	0.9999986525	6.7056777839
0.2193419182	0.9999986525	0
0.1137345703	0.9999986525	44.6879238206
0.8700472958	0.9999986525	0
0.6375920911	0.9999986525	0
0.3420894015	0.9999986525	0
0.4366694034	0.9999986525	11.3075759834
0.3499316066	0.9999986525	0.7398306154
0.1643371827	0.9999986525	0
0.3755390941	0.9999986525	0
0.3528820973	0.9999986525	0
0.0399166461	0.9999986525	22.9326609754
0.6964981329	0.9999986525	204.7563112826
0.9120267575	0.9999986525	18.1065944436
0.3555668591	0.9999986525	98.6070168527
0.4418719607	0.9999986525	39.9785747119
0.9586851194	0.9999986525	10.2166931643
0.458420163	0.9999986525	23.2222002251
0.6694725155	0.9999986525	11.6780360921
0.7053778279	0.9999986525	0
0.8777245229	0.9999986525	12.3671509721
0.3762127543	0.9999986525	3.1073103487
0.8698421695	0.9999986525	22.4040942702
0.6004258064	0.9999986525	0
0.8310129869	0.9999986525	42.1037713812
0.5877241541	0.9999986525	61.2581135744
0.8997079313	0.9999986525	0.4770086275
0.826466209	0.9999986525	11.2012551912
0.5978030894	0.9999986525	0.6979689991
0.1105647143	0.9999986525	4.3297638504
0.371797558	0.9999986525	2001.8377989383
0.2298912173	0.9999986525	174.7519353076
0.3075673608	0.9999986525	0
0.9507566392	0.9999986525	1.7615869526
0	0	0

gene_expression_table

0.4512516202	0.9999986525	3.8865978518
0.4266236515	0.9999986525	28.715701515
0.0610679402	0.9999986525	21.2381293762
0.6122142588	0.9999986525	0.4714644417
0.7966433457	0.9999986525	2.5966274343
0.8522177168	0.9999986525	0
0.0689532768	0.9999986525	0
0.0001594	0.6597988509	0
0.6407724408	0.9999986525	8.0644248322
0.8768648504	0.9999986525	28.5805066434
0.2323279398	0.9999986525	0
0.1868028974	0.9999986525	12.2359643736
0.8025558853	0.9999986525	73.0552648969
0.6478078777	0.9999986525	2.356475509
0.5362452139	0.9999986525	0
0.6098761915	0.9999986525	0
0.6929768369	0.9999986525	6.1390117664
0.251353868	0.9999986525	7.2761477201
0.9298655101	0.9999986525	0
0.3607185031	0.9999986525	925.3397639422
0.5342418312	0.9999986525	0.2795984913
0.4154259415	0.9999986525	145.4094341438
0.3350332156	0.9999986525	8.5901897411
0.9627639712	0.9999986525	0
0.2074792601	0.9999986525	0.6785281647
0.9422684686	0.9999986525	8.5794331799
0.929646552	0.9999986525	0
0	0	0
0.6263790473	0.9999986525	6.1467282217
0.750962754	0.9999986525	0
0	0	0
0.3849240223	0.9999986525	0
0.8721989101	0.9999986525	4.7445463977
0.5044099171	0.9999986525	1.4816918508
0.6053820367	0.9999986525	8.5271761538
0.9875191267	0.9999986525	7.2337923882
0.4889054872	0.9999986525	4.6564907623
0.5930845808	0.9999986525	0
0.4127252809	0.9999986525	2.8237829375
0.2926310095	0.9999986525	0
0.9953972547	0.9999986525	8.3634974477
0	0	0
0.1511460907	0.9999986525	0
0.2143943011	0.9999986525	0
0.5789485442	0.9999986525	2.6043222111
0.3864321976	0.9999986525	11.0538509748
0.8002085379	0.9999986525	1.2699542881
0.0392719541	0.9999986525	2.2881245238
0.640252416	0.9999986525	0

gene_expression_table		
0.0805498198	0.9999986525	0.1407627925
0.0111422342	0.9999986525	0.7391627581
0.116796008	0.9999986525	34.0442102877
0.384484247	0.9999986525	0
0	0	0
0	0	0
0.6280995674	0.9999986525	0
0.3034512409	0.9999986525	0
0.0655466818	0.9999986525	0
0.1518417986	0.9999986525	5.2278068029
0.725251546	0.9999986525	0.273623852
0.6354443696	0.9999986525	12.2223575799
0.478765912	0.9999986525	6.7107901177
0.007492	0.9999986525	1.866638329
0.3662454128	0.9999986525	5.7678705003
0.7128567224	0.9999986525	1.0438667884
0.1960615814	0.9999986525	4.0202419294
0.002239	0.9999986525	0.8192014616
0.1403656745	0.9999986525	0
0.9139697916	0.9999986525	13.5902798286
0.3815199535	0.9999986525	5.9949394962
0.3618159443	0.9999986525	0
0.8528888429	0.9999986525	88.1750540814
0.4425266535	0.9999986525	0
0.9111489541	0.9999986525	9.321528862
0.9949052332	0.9999986525	260.9015014708
0.6503012672	0.9999986525	0
0	0	0
0	0	0
0.6312664098	0.9999986525	0
0.9904500416	0.9999986525	18.2894787809
0.5099502919	0.9999986525	11.5236233611
0.2020935816	0.9999986525	0
0.2120950449	0.9999986525	0
0.1052392806	0.9999986525	25.5510005933
0.4721134215	0.9999986525	16.3197324721
0.0165720581	0.9999986525	3.9015212829
0.2897072739	0.9999986525	29.4963310908
0.862585264	0.9999986525	59.6801155165
0.6334523602	0.9999986525	7.7781911968
0.8214123454	0.9999986525	1.6055140008
0.1766796199	0.9999986525	4.887010107
0.2925313503	0.9999986525	0
0.0287478505	0.9999986525	2.4463912836
0.0256674561	0.9999986525	1.6335632986
0.3308141064	0.9999986525	1069.7915205756
0	0	0
0	0	0
0.8072961307	0.9999986525	71.5635748324

gene_expression_table

0.2442015783	0.9999986525	0.7033446887
0.7064531854	0.9999986525	0
0.7240095775	0.9999986525	88.9422671376
0.3079532715	0.9999986525	17.3977989106
0.2048042856	0.9999986525	0
0.70415309	0.9999986525	0
0.247655751	0.9999986525	2.8804418653
0.2199270684	0.9999986525	105.8077095589
0.2805344758	0.9999986525	68.6507995468
0.6883328714	0.9999986525	0
0.2833893365	0.9999986525	175.0050062726
0.6675323582	0.9999986525	1.7789052587
0.4757386327	0.9999986525	7.1588795817
0.5567143681	0.9999986525	4.7408198403
0.488063005	0.9999986525	0
0.2140827264	0.9999986525	13.7536245381
0.115190485	0.9999986525	12.1786464572
0.189518388	0.9999986525	0
0.3634854441	0.9999986525	37.576604928
0.9305654787	0.9999986525	3.9504024703
0.5902926637	0.9999986525	22.2093852928
0.3355852802	0.9999986525	5.4865902998
0.8602222333	0.9999986525	0
0.6493035308	0.9999986525	7.9029079842
0.2188114417	0.9999986525	5.5594662146
0.2180059989	0.9999986525	10.9370288883
0.6444393339	0.9999986525	0
0.5158940821	0.9999986525	0
0.3202203529	0.9999986525	121.7471605033
0.6169422637	0.9999986525	236.4259424732
0	0	0
0.9322177019	0.9999986525	133.4527308309
0.9278158468	0.9999986525	165.7051643844
0.8743914872	0.9999986525	19.0536219958
0.3146464501	0.9999986525	1.3156027128
0.9947401083	0.9999986525	11.5837778225
0.7254520306	0.9999986525	10.5613754619
0.7084239142	0.9999986525	43.2074596888
0.5187127862	0.9999986525	59.7130750515
0.4978796723	0.9999986525	0
0.205123654	0.9999986525	3.5276696504
0.4117685501	0.9999986525	5.8384074526
0.7031419873	0.9999986525	2.1908208152
0.9617266459	0.9999986525	0
0.4772918281	0.9999986525	1.3028892398
0.8182676445	0.9999986525	2.9977006461
0.483565296	0.9999986525	1.1524503459
0.6217087436	0.9999986525	2.1796687292
0	0	0

gene_expression_table

0.4056943048	0.9999986525	10.9408508237
0.9160131338	0.9999986525	0
0.5635830527	0.9999986525	61.6248367451
0.0455176629	0.9999986525	19.1054016486
0.948445741	0.9999986525	957.2262562688
0.2469458927	0.9999986525	0.0579004115
0.0410848007	0.9999986525	1.0098842807
0.3182065304	0.9999986525	5.1737772557
0.6402444342	0.9999986525	0
0.9822925771	0.9999986525	0.7573190832
0.9804176403	0.9999986525	0.4090867549
0.748826278	0.9999986525	4.2711800767
0.1390087064	0.9999986525	1.2238050359
0.4024148491	0.9999986525	3.4742951206
0.6595189924	0.9999986525	0.212996708
0.9920116389	0.9999986525	2.9399865412
0.351330502	0.9999986525	26.1391202609
0.6381940782	0.9999986525	0
0.0524785925	0.9999986525	40.6618376137
0.053636078	0.9999986525	0
0.1437867028	0.9999986525	35.2961616771
0.2321581877	0.9999986525	0
0.5125367423	0.9999986525	8.7670081438
0.4626077076	0.9999986525	0.2119729895
0.2465375659	0.9999986525	42.2050926618
0.8068242776	0.9999986525	0.5929306958
0.2714622506	0.9999986525	1.7844951421
0.9106463321	0.9999986525	0.5035251924
0.6413187541	0.9999986525	18.2898459566
0.0751489872	0.9999986525	2.4360101578
0.2981426416	0.9999986525	0
0.3421087532	0.9999986525	0
0.0254350892	0.9999986525	5.1515722031
0.529374271	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.0619197912	0.9999986525	1.6866989725
0.6466041563	0.9999986525	0
0.2704113639	0.9999986525	0
0.6967999652	0.9999986525	1.8815913864
0.3934232485	0.9999986525	0
0.6940820034	0.9999986525	1.0354249069
0.1041417498	0.9999986525	0.5319586453
0.6754996766	0.9999986525	4.7048584662
0.3252098327	0.9999986525	1.7825677814
0.7351208838	0.9999986525	0
0.2236215253	0.9999986525	0.5208370469
0.6312664098	0.9999986525	0
0.9896541348	0.9999986525	2.382160078

gene_expression_table

0.0649190897	0.9999986525	2.6614016159
0.7192738394	0.9999986525	16.8484991877
0	0	0
0.4620965616	0.9999986525	0.7249480896
0.4632550118	0.9999986525	8.1834465584
0.800620942	0.9999986525	0.9995442338
0.0133449111	0.9999986525	5.3040359762
0.6312664098	0.9999986525	0
0.334517053	0.9999986525	0
0.3118284891	0.9999986525	1.0878252982
0.1897924239	0.9999986525	0.6562610215
0.7767837355	0.9999986525	0
0.8692981566	0.9999986525	2.6984793491
0.7985966442	0.9999986525	2.6499209486
0.1226100411	0.9999986525	0.6702188833
0.5813281068	0.9999986525	16.6349598728
0.8225212909	0.9999986525	7.2514218551
0.284552576	0.9999986525	0
0.0914600105	0.9999986525	0
0.4966435242	0.9999986525	3.189053694
0.4072217228	0.9999986525	3.4411692261
0.119664874	0.9999986525	17.5839705311
0.7173090477	0.9999986525	7.2796579223
0.2749198624	0.9999986525	0.9195744298
0.0434354648	0.9999986525	5.8548770275
0.1215348395	0.9999986525	119.5516144865
0.245406672	0.9999986525	52.112405081
0.3815865922	0.9999986525	0.6172999259
0.7631395035	0.9999986525	0
0.478284036	0.9999986525	0
0.9304791276	0.9999986525	1.1016210885
0.6741431531	0.9999986525	17.7420263823
0.5575983614	0.9999986525	1.3176467798
0.4169588609	0.9999986525	1.7743929253
0.6344424305	0.9999986525	0.9287759958
0.5736417582	0.9999986525	4.4150181035
0.6170071093	0.9999986525	58.9159247146
0.216280995	0.9999986525	4.7622151292
0.0339102582	0.9999986525	16.3798838807
0.899570655	0.9999986525	1.2798099747
0.0986431745	0.9999986525	390.2816364757
0.0460650664	0.9999986525	47.8242543552
0.6140687057	0.9999986525	40.7277820005
0.8894781004	0.9999986525	122.4705714811
0.5205009143	0.9999986525	0
0.7528323068	0.9999986525	1.0970046626
0.4257363109	0.9999986525	88.1642598596
0.3021965208	0.9999986525	8.9146442216
0.2604497209	0.9999986525	5.3955680374

gene_expression_table

0.9954052811	0.9999986525	6.6619751368
0.0299343025	0.9999986525	3.0756729596
0.4859671558	0.9999986525	0.8459566277
0.8987539146	0.9999986525	12.8473926568
0.6056937452	0.9999986525	0
0.2974469855	0.9999986525	3.3023490663
0.8007351851	0.9999986525	4681.7787637492
0.1354609348	0.9999986525	6.0137305673
0.9319019276	0.9999986525	0
0.0206870937	0.9999986525	6.1562755287
0.8201020831	0.9999986525	0
0.191402431	0.9999986525	389.0959713105
0.6298555339	0.9999986525	7.5818884014
0.6953717586	0.9999986525	1.3981738051
0.8529902776	0.9999986525	0
0.30755387	0.9999986525	0
0.6359590311	0.9999986525	0
0.9776710939	0.9999986525	0
0.2762077418	0.9999986525	31.9648468611
0.8716423226	0.9999986525	19.5625217988
0.8829491567	0.9999986525	3.2571025733
0.3772403883	0.9999986525	1.4705253578
0.7775782203	0.9999986525	0
0.7523416556	0.9999986525	0.3239481711
0.5853818646	0.9999986525	5.0714344369
0.5684803832	0.9999986525	9.5392822546
0.643368529	0.9999986525	14.1631971059
0.3312766572	0.9999986525	0.4385226861
0.4557424349	0.9999986525	0
0.8416280353	0.9999986525	0
0.2683091781	0.9999986525	9.0795202077
0.2701626553	0.9999986525	0
0.3138100846	0.9999986525	1.195020211
0.4875000033	0.9999986525	0
0.1246560888	0.9999986525	0.154824134
0.7041524778	0.9999986525	0
0.4266849286	0.9999986525	143.3923827037
0.9329737585	0.9999986525	0
0	0	0
0.4028619226	0.9999986525	0
0.3932646681	0.9999986525	21.6640742798
0.5352051999	0.9999986525	0
0.04058154	0.9999986525	11.1976928286
0.8803082107	0.9999986525	1.1899314669
0.2151884411	0.9999986525	3.1932957389
0.7094193785	0.9999986525	34.7784129241
0.8677985727	0.9999986525	1.6937490478
0.7862039431	0.9999986525	0.4890087056
0.3119892835	0.9999986525	5.9489562346

gene_expression_table

0.3863468213	0.9999986525	3.7461993351
0.0430931527	0.9999986525	0
0.2964169703	0.9999986525	1.7255052054
0.9455476117	0.9999986525	1.2028587293
0.5162485151	0.9999986525	17.4525528766
0.8040005502	0.9999986525	25.6973615167
0.6312664098	0.9999986525	0
0.857377728	0.9999986525	30.3208792802
0.8380716544	0.9999986525	0.6530152976
0.0406846295	0.9999986525	0
0.8108693696	0.9999986525	0
0.2731294157	0.9999986525	11.0744219388
0.1868642777	0.9999986525	0
0.3803395633	0.9999986525	1.1232582542
0.4639259143	0.9999986525	5.7504878707
0.506351628	0.9999986525	0.5634806912
0.8802082716	0.9999986525	1.2264515886
0.2035987904	0.9999986525	28.1706892209
0.7289584846	0.9999986525	14.4781609795
0.1995741636	0.9999986525	516.9136690034
0.487440191	0.9999986525	974.9324391358
0.1567294689	0.9999986525	27.7027555017
0.298845877	0.9999986525	0
0.8007927381	0.9999986525	136.867944869
0.7990979912	0.9999986525	0.5235139366
0.2722846561	0.9999986525	12.4136604128
0.21164553	0.9999986525	5.9062758025
0.4126276672	0.9999986525	29.9772495325
0.0899852328	0.9999986525	0.2994274858
0.0447868135	0.9999986525	0
0.1411059579	0.9999986525	5.7174936508
0.3927596983	0.9999986525	60.0840935453
0.9422033231	0.9999986525	13.5004903441
0.388353111	0.9999986525	2.8661159291
0.6145050447	0.9999986525	7.2318113414
0.3098139308	0.9999986525	2.8955528186
0.9493318581	0.9999986525	0.539170613
0.0104448203	0.9999986525	37.6919199446
0.3727733943	0.9999986525	13.0464561381
0.3385522482	0.9999986525	0
0.506169185	0.9999986525	9.7318760667
0.9036159699	0.9999986525	0
0.6104618156	0.9999986525	2.129879751
0.7268083006	0.9999986525	3.6194989018
0.3418933198	0.9999986525	0
0.2378852355	0.9999986525	2.262225573
0.9296252584	0.9999986525	0
0.149937576	0.9999986525	0
0.6767703994	0.9999986525	0

gene_expression_table

0.2025467388	0.9999986525	9.7743216952
0.6899427013	0.9999986525	19.4854491954
0.4383530836	0.9999986525	0.5517485006
0.9309974588	0.9999986525	0
0.365362511	0.9999986525	1.0687182449
0.2871194658	0.9999986525	4.4923801264
0.1671045143	0.9999986525	0
0.5747135679	0.9999986525	15.8012112221
0.5268268215	0.9999986525	5.4851250383
0.4017679844	0.9999986525	1.5190964015
0.4894667681	0.9999986525	0.4565360657
0.5071389258	0.9999986525	2.2847837263
0.0287895344	0.9999986525	12.6587995429
0.226230859	0.9999986525	2469.7156005109
0.9105249294	0.9999986525	1.3270495559
0.7506187165	0.9999986525	0
0.6189487284	0.9999986525	12.0023838577
0.1986526311	0.9999986525	0
0.4433654219	0.9999986525	0
0.1647516519	0.9999986525	11.6592163509
0.7508461819	0.9999986525	4.7329600741
0.505174295	0.9999986525	15.4562242395
0.0589227122	0.9999986525	0.2584002888
0.430647704	0.9999986525	53.045643934
0.4185496395	0.9999986525	1.7115146227
0.2701403448	0.9999986525	0
0.8559043163	0.9999986525	3.9726141056
0.8277471336	0.9999986525	0
0.0738227452	0.9999986525	4.5558695904
0.6384392345	0.9999986525	0
0.5044143924	0.9999986525	0
0.7530723097	0.9999986525	3.1411801436
0.3631855443	0.9999986525	0
0.5382547781	0.9999986525	27.6281221104
0.623820945	0.9999986525	0.6974159918
0.2020850842	0.9999986525	0.743512427
0.8501568443	0.9999986525	0
0	0	0
0.7207684542	0.9999986525	23.9575698419
0.4729816619	0.9999986525	0.4626063646
0.008531	0.9999986525	1.495297798
0.7880595897	0.9999986525	3598.7020281499
0.2473648789	0.9999986525	70.1757273405
0	0	0
0.4866915687	0.9999986525	0.2949427204
0.923503451	0.9999986525	8.8288061228
0.512496811	0.9999986525	82.2227152631
0.7476472381	0.9999986525	0
0.8864418026	0.9999986525	425.5684908879

gene_expression_table

0.5340427193	0.9999986525	11.0602169004
0.9041470937	0.9999986525	0
0.1839489771	0.9999986525	0
0.2431637491	0.9999986525	0
0.5124905588	0.9999986525	97.2376190384
0.5237281467	0.9999986525	0
0.474153324	0.9999986525	1.7881353352
0.8564435533	0.9999986525	11.3753637993
0.6740643902	0.9999986525	0
0.7967595684	0.9999986525	0
0.5989515587	0.9999986525	55.7697130162
0.3380400809	0.9999986525	0
0.1016579924	0.9999986525	1.7207714788
0.3271605724	0.9999986525	7.9249180618
0.0573496857	0.9999986525	0
0.0212216359	0.9999986525	0
0.5722926921	0.9999986525	0
0.3307151646	0.9999986525	0
0.4847010514	0.9999986525	0
0	0	0
0.1856588125	0.9999986525	84.1253874264
0.4851969382	0.9999986525	21.7460547185
0.236141343	0.9999986525	294.6383164648
0.6579582619	0.9999986525	0
0.0545228247	0.9999986525	30.738530348
0.6526757145	0.9999986525	15.2795944529
0.3098441517	0.9999986525	0
0.6854718342	0.9999986525	65.0818462431
0.2690045097	0.9999986525	668.5306104596
0.9798115605	0.9999986525	6.9647788773
0.2396154249	0.9999986525	0
0.2933242188	0.9999986525	9.4330782
0.6396787323	0.9999986525	0
0	0	0
0.6379896282	0.9999986525	0
0.015575885	0.9999986525	45.462054548
0.8999905877	0.9999986525	0
0.5831733149	0.9999986525	43.838072817
0.2658851386	0.9999986525	0
0	0	0
0.5809361901	0.9999986525	2.8393053183
0.5826903655	0.9999986525	0
0.4004284377	0.9999986525	16.1713974761
0.1956051656	0.9999986525	5.1283117179
0.3609594602	0.9999986525	1.2838699993
0.8054896004	0.9999986525	0.7539998319
0.0760775287	0.9999986525	4.312924603
0.8321280831	0.9999986525	9.0389765448
0.5003758129	0.9999986525	1.8330528331

gene_expression_table

0.7658269443	0.9999986525	0.1902518668
0.3307033456	0.9999986525	0
0.1057075396	0.9999986525	0.7827299141
0.3868027149	0.9999986525	0.2653339072
0.0938901856	0.9999986525	0
0.2163232473	0.9999986525	0
0.2974218863	0.9999986525	9.6947778669
0.3732732783	0.9999986525	1.7791649413
0.1549174167	0.9999986525	85.1150978667
0.6312664098	0.9999986525	0
0.30755387	0.9999986525	0
0.51815559	0.9999986525	1.6566681585
0.2249541274	0.9999986525	0
0.6085975006	0.9999986525	0.8763759164
0.8272302533	0.9999986525	0
0.0792444571	0.9999986525	0
0.3116021851	0.9999986525	1.6319858545
0.2176872221	0.9999986525	1.4638815407
0.4890391389	0.9999986525	10.809971664
0.5225915892	0.9999986525	6.8523396275
0.9550830263	0.9999986525	6.3760723601
0.1786179964	0.9999986525	36.5631923214
0.4074583044	0.9999986525	0
0.9379466272	0.9999986525	547.2664143693
0.6873410114	0.9999986525	3273.8944724701
0.9412897335	0.9999986525	2.159945943
0.6186389753	0.9999986525	5.7441813682
0.989610685	0.9999986525	0.4143503023
0.6312664098	0.9999986525	0
0.7530578338	0.9999986525	0
0.411444301	0.9999986525	33.5488757298
0.8621319865	0.9999986525	0
0.6047843933	0.9999986525	1.9408200337
0.651050696	0.9999986525	0
0.3682136659	0.9999986525	12.8520995839
0.9057033829	0.9999986525	0
0.341183732	0.9999986525	0
0.5257839836	0.9999986525	3.1438994794
0.3489498941	0.9999986525	0.5786494968
0.6312664098	0.9999986525	0
0.9319105682	0.9999986525	20.6927923197
0	0	0
0.8573536375	0.9999986525	315.8569741917
0.3075114913	0.9999986525	0
0.8956936127	0.9999986525	0
0.3075114913	0.9999986525	0
0.3583390589	0.9999986525	2.3354522962
0.4928527741	0.9999986525	27.5770123515
0.7938869082	0.9999986525	0

gene_expression_table

0.7390940963	0.9999986525	1.5328598072
0.5664485855	0.9999986525	3.1427502664
0.1403942771	0.9999986525	16.7959215014
0.9470965805	0.9999986525	0
0.9706968387	0.9999986525	10.4460662649
0.3984746622	0.9999986525	9.6050253984
0.6048370941	0.9999986525	0
0.196344736	0.9999986525	0
0.3421550737	0.9999986525	16.0317469067
0.4381563375	0.9999986525	23.7943405237
0.002533	0.9999986525	2643.5384257518
0.8602743846	0.9999986525	2.2930171812
0.0564368571	0.9999986525	1.9703745048
0.1001084326	0.9999986525	10.3516107852
0.1056095389	0.9999986525	0
0.2321844724	0.9999986525	0
0.3140836434	0.9999986525	5.4342494978
0.593073845	0.9999986525	41.2005212882
0.7221439096	0.9999986525	3.2620313286
0.8316954308	0.9999986525	0.5710909312
0.1328762934	0.9999986525	13.3334809963
0.3218074329	0.9999986525	41.3942731273
0.6879300813	0.9999986525	4.2612488483
0.8009792394	0.9999986525	4.0858671071
0.2332001744	0.9999986525	0
0.1217213949	0.9999986525	0
0.6635760155	0.9999986525	1.6927537893
0.0838851056	0.9999986525	0
0.1223637333	0.9999986525	6.1991804949
0.6399542429	0.9999986525	0
0.276647005	0.9999986525	4.1736464352
0.6801971683	0.9999986525	0
0.2450146115	0.9999986525	9.5182262965
0.3645567655	0.9999986525	0.3810692976
0.3474050342	0.9999986525	59.7601577374
0.7895214822	0.9999986525	3.9755297033
0.0124371952	0.9999986525	8.7425787496
0.1120268044	0.9999986525	75.2670073591
0.2751094723	0.9999986525	3.7311139687
0.1319160057	0.9999986525	4.6276580022
0.7328109259	0.9999986525	0
0.6312664098	0.9999986525	0
0.4729816619	0.9999986525	0
0.2213241584	0.9999986525	0
0.5725962674	0.9999986525	3.9829500925
0.0864367801	0.9999986525	15.2211241206
0.6098761915	0.9999986525	0
0.3199999237	0.9999986525	0.8546553904
0.6625636537	0.9999986525	3.0447318244

gene_expression_table

0.2911088539	0.9999986525	0.893906253
0.7679611904	0.9999986525	9.153192067
0.9268145983	0.9999986525	19.803419024
0.2074405066	0.9999986525	4.9065327226
0.9050342072	0.9999986525	0
0.4029074108	0.9999986525	0
0.6042459725	0.9999986525	0
0.9053690899	0.9999986525	3.4423654524
0.4172075807	0.9999986525	0
0.5514829093	0.9999986525	8.8206961547
0.0890530489	0.9999986525	25.601178433
0.1085918974	0.9999986525	0
0.5889230582	0.9999986525	14.9580599939
0.5747710117	0.9999986525	0
0.6855615347	0.9999986525	38.9124466578
0.3608824411	0.9999986525	16.5461456992
0	0	0
0.3197354476	0.9999986525	4.0476638739
0.1163375812	0.9999986525	159.0454042815
0.3450290083	0.9999986525	0
0.0568614886	0.9999986525	10.0037728201
0.0816344006	0.9999986525	154.0762606278
0.4075210043	0.9999986525	0
0.6225004472	0.9999986525	140.3505666391
0.6722196461	0.9999986525	0
0.0876881127	0.9999986525	3.1904022125
0.1599078476	0.9999986525	13.6282259314
0.862110046	0.9999986525	0
0.7310613716	0.9999986525	23.9227943952
0.0607002902	0.9999986525	11.2898499842
0.4256013894	0.9999986525	1.3980997797
0.4282139732	0.9999986525	13.5499716898
0.1920464287	0.9999986525	219.6385440013
0.6934740044	0.9999986525	114.0878924796
0.544483723	0.9999986525	0.6696749918
0.2724400104	0.9999986525	38.726979451
0.6507223095	0.9999986525	0
0.5983358728	0.9999986525	52.1361482984
0.8763292496	0.9999986525	0
0.4729816619	0.9999986525	0
0.8384331653	0.9999986525	2.5117390426
0.8419074595	0.9999986525	3.2514100714
0.3489167702	0.9999986525	3.2066349058
0.4866907299	0.9999986525	1.6897209568
0	0	0
0.9925989497	0.9999986525	1.153110848
0.3082608235	0.9999986525	1.9137904526
0.9541468754	0.9999986525	0
0.2927117016	0.9999986525	9.8902468589

gene_expression_table

0.7400301486	0.9999986525	1.965754205
0.6312664098	0.9999986525	0
0.380484263	0.9999986525	0
0.188059993	0.9999986525	1957.2497565038
0.8840718967	0.9999986525	0.2736784412
0.7586455575	0.9999986525	26.8915137477
0.5175057302	0.9999986525	2.0116522521
0	0	0
0.3821153699	0.9999986525	49.5323969297
0.2684475617	0.9999986525	14.090474955
0.697557198	0.9999986525	6.3012489681
0.4880330522	0.9999986525	80.664776845
0.8658807962	0.9999986525	4.8691007192
0.1635694897	0.9999986525	2.4560043818
0.887625862	0.9999986525	0
0.3406974235	0.9999986525	0
0.8554328194	0.9999986525	2.0773252921
0.7430335412	0.9999986525	50.2212463818
0.3954411234	0.9999986525	1.8152231733
0.3469230127	0.9999986525	2.262274024
0.4825633681	0.9999986525	2.4270544439
0.6875191774	0.9999986525	5.7027078809
0.7403952036	0.9999986525	17.5379950277
0.6853391589	0.9999986525	0.7374288698
0.116870352	0.9999986525	10.2678399429
0.9035144217	0.9999986525	2.0174154179
0.7103644028	0.9999986525	5.2106639161
0.6402364457	0.9999986525	0
0.0682480435	0.9999986525	46.6259840565
0.5896324016	0.9999986525	6.9366499066
0.9815844464	0.9999986525	0
0.5611157653	0.9999986525	0.1834351624
0.5722582572	0.9999986525	0.6313376315
0.7184781373	0.9999986525	0.1723967548
0.2195935511	0.9999986525	8.9603557833
0.2904313318	0.9999986525	15.2497138936
0.7909325438	0.9999986525	0
0.1066431599	0.9999986525	1.385307325
0.9209837385	0.9999986525	13.4186573113
0.3886154996	0.9999986525	0
0.347877458	0.9999986525	0.2723777948
0.0623700467	0.9999986525	1.8477603522
0.1652431071	0.9999986525	71.0303142152
0.3975462285	0.9999986525	2053.4063665532
0.2805761639	0.9999986525	1.4936485259
0.1236353934	0.9999986525	0
0.2699501675	0.9999986525	53.5765968402
0.3661127807	0.9999986525	6.685682233
0.2816028513	0.9999986525	0

gene_expression_table

0.8352233675	0.9999986525	0.2014837128
0.2049888825	0.9999986525	2.3640966082
0	0	0
0.1244728026	0.9999986525	2.5988863275
0.479115223	0.9999986525	17.7512515979
0.8397728092	0.9999986525	0
0.9405799556	0.9999986525	3.6152043781
0.3224218507	0.9999986525	11.0529308896
0.862124168	0.9999986525	0
0.1769762104	0.9999986525	6.7922409101
0.408808695	0.9999986525	0.8023565782
0.6065120229	0.9999986525	10.7516824351
0.7207208076	0.9999986525	119.8093515319
0.1195562579	0.9999986525	7.0569105059
0.8008474417	0.9999986525	0.5952138286
0.797837979	0.9999986525	0
0.6862765083	0.9999986525	16.2709466525
0.4473238863	0.9999986525	82.7755401583
0.0526475576	0.9999986525	0
0.8026012283	0.9999986525	18.257163973
0.726657638	0.9999986525	2.8533668542
0.0545259477	0.9999986525	11.136381537
0.2583941678	0.9999986525	0.6304144745
0.7848076987	0.9999986525	42.5975950205
0.3199443832	0.9999986525	3.6742034003
0.8543838607	0.9999986525	2.5515613675
0.6503976174	0.9999986525	7.6858130317
0.2910039747	0.9999986525	0
0.9199542703	0.9999986525	0.1437234657
0.8029214661	0.9999986525	2.5906531284
0.044176545	0.9999986525	13.7428879069
0.5767441608	0.9999986525	0
0.2295743333	0.9999986525	0
0.7377862736	0.9999986525	32.7066169433
0.9785656	0.9999986525	46.4808961288
0.9352198022	0.9999986525	5.2558135301
0.4918162454	0.9999986525	0
0.8607118864	0.9999986525	3.9753800814
0.2370501614	0.9999986525	2.7192831957
0.5777078448	0.9999986525	8.7501107105
0.4679333154	0.9999986525	0
0.6328691481	0.9999986525	0
0.6032233915	0.9999986525	0
0.3672245978	0.9999986525	1.1818895902
0.4607003034	0.9999986525	8.9781416449
0.7680320963	0.9999986525	0
0.6559132507	0.9999986525	8.2832368611
0.6312664098	0.9999986525	0
0.223055804	0.9999986525	2.8951824485

gene_expression_table

0.2695186919	0.9999986525	67.8793665172
0.6256429045	0.9999986525	2183.2880442035
0.4290520649	0.9999986525	0
0.2866949103	0.9999986525	115.5244292227
0.5638078667	0.9999986525	0
0.7500842004	0.9999986525	634.0580617605
0.4389505442	0.9999986525	4.0239175791
0.3381491972	0.9999986525	0
0.2120317452	0.9999986525	0
0.6187861001	0.9999986525	33.4933868453
0.2914354243	0.9999986525	0
0.7435754042	0.9999986525	1.9921417226
0.3372404885	0.9999986525	3.9774009283
0.4731492401	0.9999986525	56.1892890925
0.4733134029	0.9999986525	7.688095069
0.8039027841	0.9999986525	15.2015307552
0.6043899202	0.9999986525	0
0.0146070496	0.9999986525	36.6288502587
0.2248985095	0.9999986525	0
0.0612380154	0.9999986525	1.3464522996
0.7729579035	0.9999986525	15.7277898232
0.8411123684	0.9999986525	4.0857406723
0.3464940326	0.9999986525	0.3247379461
0.9893271704	0.9999986525	3.31714463
0.6312664098	0.9999986525	0
0.4158758995	0.9999986525	2.9616665205
0.1999993251	0.9999986525	2.7869406204
0.1742810695	0.9999986525	0
0.1864612853	0.9999986525	0
0.4497516829	0.9999986525	6.7551376968
0.700908611	0.9999986525	0
0.4931431269	0.9999986525	110.2160915219
0.9524663685	0.9999986525	4.0377172331
0.517727176	0.9999986525	28.0999830946
0.4403485792	0.9999986525	1.3200179512
0.4921534662	0.9999986525	31.2046784203
0.5442485017	0.9999986525	23.1926085253
0.2801521536	0.9999986525	0
0.9578706979	0.9999986525	0
0.4122659121	0.9999986525	795.4759065824
0.8199891111	0.9999986525	0.9885187025
0.9969512288	0.9999986525	1.2129558749
0.4593973331	0.9999986525	39.4800136247
0.3369034842	0.9999986525	0
0.5184192152	0.9999986525	2.2782541536
0.97746975	0.9999986525	0.6777445041
0.3130310307	0.9999986525	15.924594671
0.8227542088	0.9999986525	0.9429709725
0.246989225	0.9999986525	0

gene_expression_table

0.9000029518	0.9999986525	0
0.6339387232	0.9999986525	1.0727994765
0.7245398346	0.9999986525	0
0	0	0
0.4259135275	0.9999986525	0
0.7679182435	0.9999986525	7.4122485698
0.5341316916	0.9999986525	7.0366955201
0.99295094	0.9999986525	3.5777424316
0.1005804162	0.9999986525	4.8168543857
0.5769907651	0.9999986525	2.4765424243
0.0821162656	0.9999986525	6.5081846243
0.8384734968	0.9999986525	18.31446362
0.3242106037	0.9999986525	26.3017521047
0.1616312564	0.9999986525	2.9336176319
0.3139366892	0.9999986525	20.2065208387
0.4094767299	0.9999986525	24.5708467471
0.8412137595	0.9999986525	3.3203771046
0.1203897433	0.9999986525	20.1317308445
0.781674993	0.9999986525	0
0.3641892685	0.9999986525	4.6230670716
0.2494929326	0.9999986525	4.0969605326
0.1748192544	0.9999986525	0
0.7034794153	0.9999986525	0
0.5621564548	0.9999986525	0
0.1610937921	0.9999986525	36.4661452919
0.3742622288	0.9999986525	1521.1066225014
0.174867894	0.9999986525	2.7876025666
0.6374828126	0.9999986525	149.0515095757
0.0595790601	0.9999986525	62.7565530249
0.2460302368	0.9999986525	1.1815194234
0.5193727467	0.9999986525	1.691127705
0.2433158402	0.9999986525	84.1695518747
0	0	0
0.6863325541	0.9999986525	21.6206808827
0.2732873873	0.9999986525	1.9965190423
0.3344514563	0.9999986525	9.546984495
0.2709365199	0.9999986525	32.4720087469
0.5094757829	0.9999986525	28.1333220576
0.0956389819	0.9999986525	2.5107042013
0.7943973561	0.9999986525	0
0.2564871489	0.9999986525	27.7043124894
0.6213309744	0.9999986525	0
0.3477924387	0.9999986525	0
0.5044583564	0.9999986525	97.01955586
0.4710839257	0.9999986525	174.8226356382
0.5694011191	0.9999986525	204.4032957524
0.8336841471	0.9999986525	4.0835293292
0.5482396104	0.9999986525	86.1283728413
0.6155816848	0.9999986525	36.8669250009

gene_expression_table

0.8097510705	0.9999986525	110.6630030934
0.8872066994	0.9999986525	9.8386583879
0.4729816619	0.9999986525	0
0.5417415433	0.9999986525	0
0.1106967109	0.9999986525	18.6863727655
0.5481913378	0.9999986525	5.871941353
0.8964599972	0.9999986525	0
0.6268290412	0.9999986525	4509.0496541482
0.5581243912	0.9999986525	155.5638239361
0.1260420109	0.9999986525	24.731406334
0.0291434562	0.9999986525	0
0.7358710469	0.9999986525	22.6604340216
0.3649428668	0.9999986525	1.5785139048
0.2580361021	0.9999986525	187.7692874386
0.7246095901	0.9999986525	0
0.3025533294	0.9999986525	9.6678618958
0.9725896724	0.9999986525	35.5409947687
0.776247363	0.9999986525	0
0.6130727425	0.9999986525	4.2423543863
0.6312664098	0.9999986525	0
0.1334423998	0.9999986525	111.1287074725
0.3114750242	0.9999986525	0
0.965501452	0.9999986525	5.6606557584
0.4400830676	0.9999986525	0
0.6312664098	0.9999986525	0
0.0903210908	0.9999986525	12.4891028723
0.0361650911	0.9999986525	1.9245371479
0.0646428402	0.9999986525	31.628257247
0.1592772996	0.9999986525	0
0.2667328841	0.9999986525	88.9204855802
0.3421281079	0.9999986525	0
0.2287154669	0.9999986525	130.2974956241
0.9760573865	0.9999986525	0
0.280547	0.9999986525	87.4402619641
0.5975123224	0.9999986525	0
0.5058680394	0.9999986525	62.6128254017
0.5254178171	0.9999986525	111.0202485238
0.2962110604	0.9999986525	47.3624950465
0.8029003861	0.9999986525	0
0.8548712358	0.9999986525	44.3938791479
0.4815257734	0.9999986525	15.6485683634
0.5248231721	0.9999986525	122.0489706911
0.2379190473	0.9999986525	0
0.6179959085	0.9999986525	0
0.9113539391	0.9999986525	2.6540991118
0.9751104279	0.9999986525	19.6407282359
0.2627009244	0.9999986525	26.8047987579
0.8462197083	0.9999986525	431.5484786577
0.4762041896	0.9999986525	87.4797621577

gene_expression_table

0.8396087526	0.9999986525	5.7744320819
0.2882391242	0.9999986525	4.0632967292
0.5745681101	0.9999986525	3.1864561963
0.8478124718	0.9999986525	31.0086415138
0.7903854133	0.9999986525	24.0573572243
0.2045674417	0.9999986525	5.2745349272
0.08452164	0.9999986525	69.0265227594
0.630566946	0.9999986525	25.6585837537
0.148354904	0.9999986525	0
0.0178438652	0.9999986525	71.3822175723
0.7366171597	0.9999986525	2600.7717830667
0.8656545245	0.9999986525	42.0995761071
0.5660871394	0.9999986525	26.587086625
0.1294244094	0.9999986525	32.5108761011
0.0978944206	0.9999986525	0
0.7853055575	0.9999986525	70.0317157765
0.1400238533	0.9999986525	43.3344970062
0.7423968055	0.9999986525	47.9690447105
0.5025458882	0.9999986525	0
0.1975830717	0.9999986525	0.603670426
0.8161963326	0.9999986525	87.0367802016
0.8680368489	0.9999986525	36.1904419093
0.873982947	0.9999986525	8.9697551335
0.2956317759	0.9999986525	11.2474736007
0.4639019509	0.9999986525	0
0.922900878	0.9999986525	195.8204165425
0.7176793474	0.9999986525	4.8838467012
0.1909344452	0.9999986525	98.5104560062
0.3261700738	0.9999986525	18.2116959401
0.5307791649	0.9999986525	563.769408906
0.3923872746	0.9999986525	3.3525196449
0.4611449974	0.9999986525	5.963631236
0.4163819221	0.9999986525	0
0.8764278413	0.9999986525	17.365573349
0.2725434572	0.9999986525	1.0745675034
0.0514199524	0.9999986525	0
0.9880249568	0.9999986525	18.6970832744
0.1645062503	0.9999986525	11.7323292686
0.940120378	0.9999986525	80.7140879669
0.3544576774	0.9999986525	4.1129131864
0.2920077405	0.9999986525	0
0.6167852831	0.9999986525	7.9090378215
0.0190502035	0.9999986525	2.7641135828
0.080722219	0.9999986525	46.8485377525
0.5443356336	0.9999986525	0.832183542
0.4729816619	0.9999986525	0
0.734515319	0.9999986525	7.3451279347
0.5199958159	0.9999986525	0.8368417269
0.2435014321	0.9999986525	0.7504300796

gene_expression_table

0.4889185709	0.9999986525	3.313918443
0.1098042291	0.9999986525	0
0.597216584	0.9999986525	2.3095624019
0.5011328367	0.9999986525	10.6923752331
0.7735374203	0.9999986525	10.0112182124
0.5948500298	0.9999986525	58.6237322423
0.031923136	0.9999986525	0
0.4286731759	0.9999986525	0
0.2071773087	0.9999986525	4.8347864796
0	0	0
0.6312664098	0.9999986525	0
0.7536648131	0.9999986525	0.9227556255
0.6463823723	0.9999986525	12.8830145692
0.7426760496	0.9999986525	15.2903258858
0.1454666034	0.9999986525	152.7640250801
0.7945212519	0.9999986525	0
0.9776240297	0.9999986525	1.6469865664
0.6312664098	0.9999986525	0
0.1533092014	0.9999986525	0
0.6312664098	0.9999986525	0
0.0844539369	0.9999986525	0
0.7102440155	0.9999986525	1.435080878
0.7968557811	0.9999986525	0
0	0	0
0.109683566	0.9999986525	13.8035004675
0.3058711981	0.9999986525	1.1406401068
0.094292042	0.9999986525	35.3086661742
0.300464568	0.9999986525	0
0.4231571972	0.9999986525	0
0.6569545214	0.9999986525	0
0.9985266795	0.9999986525	0.645862736
0.4740001081	0.9999986525	0.4317402249
0.8493543873	0.9999986525	8.1831295671
0.1754184371	0.9999986525	1.4044285388
0.7235819191	0.9999986525	1.3629398252
0.1955853451	0.9999986525	1.6215012811
0.0624014975	0.9999986525	22.6545429921
0.1503417234	0.9999986525	24.9711197288
0.901272575	0.9999986525	0.7087993878
0.1875212784	0.9999986525	0
0.4022339735	0.9999986525	1.2589210035
0.5071689719	0.9999986525	2.7964956767
0.1992645381	0.9999986525	15.5885236795
0.7552063759	0.9999986525	6.5988985858
0.9975592913	0.9999986525	4.2592298895
0.4743018806	0.9999986525	0.8326790573
0.5104777699	0.9999986525	10.2043204456
0.6312664098	0.9999986525	0
0.4305836387	0.9999986525	0

gene_expression_table

0.5013448755	0.9999986525	0
0.2636687656	0.9999986525	2.9114511648
0.7442831809	0.9999986525	0
0.7855636976	0.9999986525	14.9371189214
0.6312664098	0.9999986525	0
0.7387217527	0.9999986525	0
0.8821895497	0.9999986525	4.3149947998
0.7479543767	0.9999986525	1.8542476673
0.2836540982	0.9999986525	19.1980800532
0.4729816619	0.9999986525	0
0.9889422913	0.9999986525	1.0452613103
0.0369854788	0.9999986525	0
0.1190952279	0.9999986525	9.2090528729
0.7104970854	0.9999986525	1.6562317557
0.2730303261	0.9999986525	0
0.5096498109	0.9999986525	1.3814061055
0.2006715808	0.9999986525	0
0.3635151487	0.9999986525	5.171919526
0	0	0
0.2739330327	0.9999986525	13.9093806232
0.2078163277	0.9999986525	12.0140851288
0.6065998814	0.9999986525	3.3211078904
0.7215997553	0.9999986525	0.4995641149
0.3421474656	0.9999986525	0.3339736068
0.3153100896	0.9999986525	2.4884675674
0.3025449122	0.9999986525	3.2785348703
0.0551899558	0.9999986525	20.1994237133
0.7752023115	0.9999986525	61.2496679483
0.0759070723	0.9999986525	0.9579192191
0.9720816252	0.9999986525	0
0.4083083226	0.9999986525	0
0.1834205627	0.9999986525	33.2715440898
0.6312664098	0.9999986525	0.5387526087
0.348168911	0.9999986525	0.5587207632
0.0181727	0.9999986525	80.1772777237
0.990788078	0.9999986525	954.0311165954
0.1964806418	0.9999986525	1.9062267461
0.08819886	0.9999986525	562.8481516125
0.0423567863	0.9999986525	0
0.4296214442	0.9999986525	3.4099161666
0.2513249291	0.9999986525	12.9216265769
0.4522868367	0.9999986525	3.1973555047
0.7226634084	0.9999986525	0.2512543624
0.5888474023	0.9999986525	0.2466879576
0.748397815	0.9999986525	1.2819178887
0.7461614398	0.9999986525	8.2671913008
0.2207505486	0.9999986525	0.8551614862
0.8698111861	0.9999986525	0.3123346673
0.006379	0.9999986525	2.4064847801

gene_expression_table		
0.1898724759	0.9999986525	0
0.4075523348	0.9999986525	0
0.63966483	0.9999986525	0
0.3369435736	0.9999986525	0
0.6396509149	0.9999986525	0
0.6402284505	0.9999986525	0
0.5440709492	0.9999986525	2.3945157473
0.1204530446	0.9999986525	0
0	0	0
0.6880575644	0.9999986525	14.5763936318
0.4496410712	0.9999986525	0
0.336983693	0.9999986525	0
0.1043446725	0.9999986525	10.7574942919
0.7652522307	0.9999986525	6.9702940776
0.5205228879	0.9999986525	15.2026247053
0.1982604702	0.9999986525	18.3275598241
0.3248174816	0.9999986525	0
0.8857941866	0.9999986525	0.6674280868
0.3479065373	0.9999986525	1.4575387947
0.9362981606	0.9999986525	0
0.6898210256	0.9999986525	1.0940674544
0.4324287494	0.9999986525	28.318454813
0.8639959446	0.9999986525	8.9322432425
0.3040887331	0.9999986525	1.7141810525
0.1599035211	0.9999986525	0
0.8149253012	0.9999986525	6.6667404981
0	0	0
0.9098354548	0.9999986525	0
0.9299395264	0.9999986525	0
0.4444917421	0.9999986525	0
0.8434841888	0.9999986525	0.421876843
0.892743037	0.9999986525	9.1260406462
0.6492362319	0.9999986525	8.1974185288
0.7092335903	0.9999986525	30.7522523735
0.6717845605	0.9999986525	0
0.1532072713	0.9999986525	174.436213654
0.6312664098	0.9999986525	0
0.6904490321	0.9999986525	0.9669443133
0.3421668262	0.9999986525	0
0.46630262	0.9999986525	8.5837906995
0.916788802	0.9999986525	43.0712104276
0.9011794336	0.9999986525	0
0.8138811388	0.9999986525	4.7276006791
0.8193314785	0.9999986525	5.2259962623
0.2800420966	0.9999986525	0.1022417928
0.097315241	0.9999986525	2.7654403149
0.2414833665	0.9999986525	0
0.733331793	0.9999986525	0
0.0880271947	0.9999986525	14.2977004437

gene_expression_table

0.8384460798	0.9999986525	1.2181736415
0.0635869631	0.9999986525	5.6598758031
0.007123	0.9999986525	5.1428436156
0.946499737	0.9999986525	0
0.3053863099	0.9999986525	0
0.3353454842	0.9999986525	0
0.4875988974	0.9999986525	0
0.2468537739	0.9999986525	31.4256326469
0.8662139466	0.9999986525	15.6023392101
0.5502894667	0.9999986525	38.6855486449
0.88375122	0.9999986525	12.6258470539
0.2199712614	0.9999986525	1.1353070911
0.6563030618	0.9999986525	5.7457957654
0.9751499193	0.9999986525	14.5814241376
0.1164988471	0.9999986525	5.2692724959
0.4544341077	0.9999986525	0.9810695712
0.8574261761	0.9999986525	0
0.1733909888	0.9999986525	0.5553630805
0.7571935859	0.9999986525	2.925573645
0.30755387	0.9999986525	0
0.0419748884	0.9999986525	0.5645769806
0.6186133179	0.9999986525	0
0.9321171422	0.9999986525	1.4268247528
0.6724232991	0.9999986525	0
0.2657499032	0.9999986525	44.6912783806
0.8143018505	0.9999986525	0.7573842458
0.6551284047	0.9999986525	1.1704045081
0.2344229483	0.9999986525	0.4058550544
0.8040420391	0.9999986525	4.2339765824
0.7145514961	0.9999986525	8.614359173
0.3975477066	0.9999986525	0
0.072509454	0.9999986525	0
0.1353388074	0.9999986525	0.818046781
0.1041972454	0.9999986525	3.328818091
0.0603001158	0.9999986525	0
0.6007705189	0.9999986525	3.5784211821
0.7508280551	0.9999986525	0
0.4075836524	0.9999986525	0
0.419931398	0.9999986525	20.5283297503
0.1198134726	0.9999986525	1.4426484806
0.6072361761	0.9999986525	8.3372845022
0.178368634	0.9999986525	0
0.2690136485	0.9999986525	2.8721167157
0.5347680086	0.9999986525	0
0.8911597328	0.9999986525	0.824570056
0.6639461952	0.9999986525	1.9109859329
0.1112778812	0.9999986525	18.8838450613
0.2797391073	0.9999986525	100.8903753493
0.4739265164	0.9999986525	0

gene_expression_table

0.6113865004	0.9999986525	6.6025650989
0.5948410704	0.9999986525	6.2972575369
0.2940683231	0.9999986525	43.749556905
0.6245155327	0.9999986525	12.4194291653
0.5155937021	0.9999986525	0.7745736674
0.1921302228	0.9999986525	0
0.5908226309	0.9999986525	35.884824886
0.8924210752	0.9999986525	20.8484614543
0.3973174829	0.9999986525	14.1360673319
0.1469361871	0.9999986525	0.432029827
0.7168353078	0.9999986525	0
0.0821735053	0.9999986525	0
0.1039778705	0.9999986525	5.0188350518
0.0734699944	0.9999986525	10.9329418183
0.2704383531	0.9999986525	49.0440644707
0.7003317177	0.9999986525	3.7458007891
0.4027066871	0.9999986525	9.9694046788
0.1669154086	0.9999986525	1436.8750147835
0.8397106565	0.9999986525	0
0.5624614017	0.9999986525	45.7461396503
0.276985505	0.9999986525	2.6252071889
0.4729816619	0.9999986525	0
0	0	4.4114532431
0.9262827591	0.9999986525	7.1748292659
0.0793357692	0.9999986525	0.6445595234
0.730598634	0.9999986525	3.1892462697
0.4076149571	0.9999986525	0
0.7045488625	0.9999986525	0.7776015287
0.5179828437	0.9999986525	2.859735785
0.8280370806	0.9999986525	0
0.7819359687	0.9999986525	0
0.3297625125	0.9999986525	0
0.4159643785	0.9999986525	37.5245890965
0.4397957059	0.9999986525	0
0.7969796785	0.9999986525	0
0.278856124	0.9999986525	0.4346609898
0.5597662107	0.9999986525	0
0.087645632	0.9999986525	6.6960423751
0.4695648409	0.9999986525	2.523902331
0.4729816619	0.9999986525	0
0.3816922075	0.9999986525	218.0565077558
0.3165335081	0.9999986525	5.1295569373
0.8157777671	0.9999986525	35.2468754847
0.4179903467	0.9999986525	0
0.6198935583	0.9999986525	1.1283578649
0.5512847257	0.9999986525	38.0869602594
0.4489020364	0.9999986525	2.3661884713
0.4729816619	0.9999986525	0
0.5994635789	0.9999986525	0

gene_expression_table

0.4227970536	0.9999986525	0
0.8071510605	0.9999986525	7.6410604465
0.5781741608	0.9999986525	2.6457559195
0.1805918766	0.9999986525	0.1269022347
0.8371135758	0.9999986525	1.4322806917
0.7730666607	0.9999986525	0.5907398882
0.2895021255	0.9999986525	0
0.3685129153	0.9999986525	0
0.9567214113	0.9999986525	3.782690032
0.4282477163	0.9999986525	0
0.0597979199	0.9999986525	0.7507415632
0.848464512	0.9999986525	0
0.8282919605	0.9999986525	0
0.6534144009	0.9999986525	0
0.8621383263	0.9999986525	0
0.7235703246	0.9999986525	3.1878287569
0.5524894377	0.9999986525	0
0.8706719585	0.9999986525	21.6920394053
0	0	0
0.583892405	0.9999986525	0.8961308248
0.5989145388	0.9999986525	0
0.3628436093	0.9999986525	8.3119166236
0.0641687803	0.9999986525	0.837266257
0.7363465655	0.9999986525	0
0.3334212837	0.9999986525	1.2347682277
0.005492	0.9999986525	36.8683547828
0.390308787	0.9999986525	31.7435847733
0.8225618436	0.9999986525	1.0299276652
0.3067801289	0.9999986525	1.5515024229
0.6593769335	0.9999986525	1.4934373438
0.8722978992	0.9999986525	0.8150799158
0.4095118833	0.9999986525	0
0.1443580291	0.9999986525	0
0.0229516241	0.9999986525	2.9610853457
0.9192094596	0.9999986525	16.9498403145
0.1334340453	0.9999986525	62.2952562235
0.037220037	0.9999986525	0.1810835344
0.0572320378	0.9999986525	2.5673967345
0.270118021	0.9999986525	0
0.6707045418	0.9999986525	1.780404471
0.3354350609	0.9999986525	0
0.9367571956	0.9999986525	16.0209889275
0.0007786	0.9999986525	0
0.4284635889	0.9999986525	4.8438693258
0	0	0
0.226168082	0.9999986525	0
0.0309253425	0.9999986525	0.7633944499
0.8482551812	0.9999986525	30.1148500221
0.6402204484	0.9999986525	0

gene_expression_table

0.6854492929	0.9999986525	1.4135352682
0.0235571304	0.9999986525	0
0.7360355875	0.9999986525	495.3239692972
0.8209728892	0.9999986525	1.0185512271
0.452405527	0.9999986525	37.9800997296
0.3630270237	0.9999986525	8.0551999125
0.8927356408	0.9999986525	62.2049167523
0.1895447745	0.9999986525	0
0.7079984933	0.9999986525	25.9887760799
0.1944166885	0.9999986525	0.1504614308
0	0	0
0.3113178116	0.9999986525	0
0.1483358952	0.9999986525	0.8570163498
0.6098761915	0.9999986525	0
0.9800852517	0.9999986525	91.4151814066
0.4098531013	0.9999986525	9.5106661972
0.7232431763	0.9999986525	62.7765579773
0.095197367	0.9999986525	1.0815875123
0.30755387	0.9999986525	0
0.9761026242	0.9999986525	1.209220584
0.6314459079	0.9999986525	1.8896532336
0.4450314324	0.9999986525	4.9790899338
0.2353428903	0.9999986525	0
0.3558684967	0.9999986525	239.6337036086
0.4641863378	0.9999986525	4.8969789732
0.6859660336	0.9999986525	0.4748769802
0.0823414023	0.9999986525	14.8156022796
0.8450237622	0.9999986525	0
0.6652789507	0.9999986525	0
0.9499686477	0.9999986525	5.1768200575
0.2929390438	0.9999986525	0.1214716232
0	0	0
0.938875334	0.9999986525	9.8869553215
0.4095900097	0.9999986525	15.2015307552
0.5776223461	0.9999986525	0.1692428322
0.2250388788	0.9999986525	0
0.1126632057	0.9999986525	61.4591755931
0.2844607647	0.9999986525	0.370501787
0.2058901968	0.9999986525	185.1353032415
0.004552	0.9999986525	22.1040394362
0.3930318658	0.9999986525	3.7406803855
0.4559372552	0.9999986525	0.3266409271
0.7223940716	0.9999986525	13.0926015869
0.5817209682	0.9999986525	0
0.2306037001	0.9999986525	3.0587211328
0.8009379691	0.9999986525	0.5852930484
0.0553855258	0.9999986525	2.4211574587
0.9842608338	0.9999986525	2.3663658489
0.6098761915	0.9999986525	0

gene_expression_table

0.0807323966	0.9999986525	0
0.2011866943	0.9999986525	0
0.6312664098	0.9999986525	0
0.1770112877	0.9999986525	35.1178608939
0.0212823117	0.9999986525	6.5889736419
0.0830722241	0.9999986525	4.4852584481
0.6947822424	0.9999986525	0
0.1653944385	0.9999986525	2.6965137459
0.9542598521	0.9999986525	363.0834214741
0.9432368715	0.9999986525	0
0.3379817236	0.9999986525	0.9196567808
0.4018206955	0.9999986525	1.256929574
0	0	0
0.8716351978	0.9999986525	1.4626814916
0.1067879654	0.9999986525	2.9341065681
0.7045355922	0.9999986525	0
0.729265519	0.9999986525	2.6880047957
0.9499679505	0.9999986525	0
0.0001033	0.4631572217	0
0.431854887	0.9999986525	3.560428862
0.887314885	0.9999986525	0
0.7464010622	0.9999986525	2.8709457614
0.7333333469	0.9999986525	0
0.2074920061	0.9999986525	8.3658986577
0.0193910308	0.9999986525	1.117683919
0.3060975032	0.9999986525	15.2267315054
0.004374	0.9999986525	10.3451222726
0.7050032593	0.9999986525	13.0549791685
0.007869	0.9999986525	26.7900569272
0.1008314136	0.9999986525	0.3876051742
0.6634823787	0.9999986525	0
0.0495812278	0.9999986525	6.5130001512
0.5476103862	0.9999986525	6.0094348554
0.8277776401	0.9999986525	52.2392860794
0.1509395628	0.9999986525	0
0.3919764697	0.9999986525	2.1911306751
0.1268241014	0.9999986525	1.8779394889
0	0	0
0.0584182415	0.9999986525	0
0.578601822	0.9999986525	10.4659733914
0.3895137294	0.9999986525	0
0.8984782526	0.9999986525	4.2761709391
0.7927767378	0.9999986525	1.3798061002
0.9665248656	0.9999986525	0
0.9304800992	0.9999986525	10.8482740575
0.2256970871	0.9999986525	1.6154832905
0.5792961955	0.9999986525	82.1207669214
0.8984423846	0.9999986525	20.1976304406
0.2164490723	0.9999986525	131.3779060356

gene_expression_table

0.6936779789	0.9999986525	6.6533028756
0.3688101855	0.9999986525	51.3682683874
0.765311989	0.9999986525	3.6528358427
0.16955775	0.9999986525	70.4498686878
0.4316930762	0.9999986525	185.6469958743
0.176698876	0.9999986525	106.3163614602
0.3911909225	0.9999986525	0
0.5191149283	0.9999986525	115.0462929705
0.3421861899	0.9999986525	0
0.7507377807	0.9999986525	0
0.704532793	0.9999986525	125.5979030352
0.375403928	0.9999986525	0.6588617449
0	0	0
0.9702354136	0.9999986525	0
0.2768214732	0.9999986525	0.7685489927
0.9991011507	0.9999986525	16.7539129406
0.2652920118	0.9999986525	3.5308141614
0.7690187394	0.9999986525	0.582587842
0.5266543701	0.9999986525	69.465461624
0.7033768324	0.9999986525	22.7080672672
0.8870843936	0.9999986525	0.7368218732
0.5146637233	0.9999986525	8.8972234209
0.8156611794	0.9999986525	4.3153914472
0.5235221104	0.9999986525	34.9182930422
0.6312664098	0.9999986525	0
0	0	0
0.2010518249	0.9999986525	150.2767195817
0.194229574	0.9999986525	6.2858745806
0.8958861397	0.9999986525	4.9887987745
0.9316158321	0.9999986525	0
0.9328972871	0.9999986525	4.3380769827
0.853998785	0.9999986525	0.2148007444
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.3252043939	0.9999986525	1.1068464912
0.6312664098	0.9999986525	0
0.2608115176	0.9999986525	0
0.3365476807	0.9999986525	0.8704610452
0.1833732319	0.9999986525	0.2889812169
0.9096714452	0.9999986525	1.5137554427
0.0420852605	0.9999986525	106.8674994462
0.1230924507	0.9999986525	5.6362902308
0.8806643307	0.9999986525	0
0.5186227357	0.9999986525	9.9994796263
0.1396762839	0.9999986525	218.3087239879
0.9342980695	0.9999986525	0.7809205666
0.2652476463	0.9999986525	3.4490005432
0.0418827068	0.9999986525	7.2897057593

gene_expression_table

0.5534676122	0.9999986525	0
0.0663515347	0.9999986525	3.4710983367
0.5087542927	0.9999986525	0
0.3763936588	0.9999986525	59.4353359199
0.2789238807	0.9999986525	3.1215744563
0.9512557043	0.9999986525	0
0.445800429	0.9999986525	9.7529026123
0.006992	0.9999986525	7.101031022
0.3025997336	0.9999986525	5.9416586389
0.7795088692	0.9999986525	4.528718764
0	0	0
0.8914734043	0.9999986525	7.3582609859
0.6397230378	0.9999986525	13.0688701936
0.9392712365	0.9999986525	18.9390535573
0.6355637525	0.9999986525	17.5403248842
0.1100983411	0.9999986525	6.7039754032
0.6876490605	0.9999986525	7.3992190723
0.4625864655	0.9999986525	3.1597193034
0.9408620992	0.9999986525	14.684809739
0.5982237227	0.9999986525	2.2893891467
0.0967195774	0.9999986525	18.8103850932
0.4844436018	0.9999986525	0.8229254962
0.6697727713	0.9999986525	11.6365001364
0.8605012547	0.9999986525	1.9894995502
0.4716445927	0.9999986525	13.6219769598
0.788870377	0.9999986525	0.5362254622
0.5193006987	0.9999986525	1.4888693559
0.4030261235	0.9999986525	1434.1991547966
0.6162842046	0.9999986525	0
0.2798618676	0.9999986525	0
0	0	0
0.6402124395	0.9999986525	0
0.9693206949	0.9999986525	72.4796143036
0.7770706918	0.9999986525	0.8923078703
0.3315847795	0.9999986525	3.8908146623
0.4005836465	0.9999986525	0
0.236984625	0.9999986525	610.5655286279
0.0267731459	0.9999986525	13.4815362416
0.0830810005	0.9999986525	0
0.2591624927	0.9999986525	17.0001882703
0.4729816619	0.9999986525	0
0.3041133887	0.9999986525	12.0730598958
0.7383451545	0.9999986525	2.0104270356
0.471607397	0.9999986525	3.5984137239
0.9700242336	0.9999986525	3.6758016583
0.2343640409	0.9999986525	0
0.5560058303	0.9999986525	7.0058921836
0.620813172	0.9999986525	16.3351082996
0.4745374291	0.9999986525	46.1731349883

gene_expression_table

0.7239396665	0.9999986525	7.3501417071
0.9521182426	0.9999986525	0
0.516527052	0.9999986525	0
0.5318359699	0.9999986525	0.9579974102
0.0568935189	0.9999986525	21.1139546155
0.3831942481	0.9999986525	68.3865015879
0.9756907128	0.9999986525	71.0222467323
0.4729816619	0.9999986525	0
0.9988033578	0.9999986525	25.9533650736
0.913082918	0.9999986525	5.7172873381
0.6992617668	0.9999986525	17.4373698242
0.8680123087	0.9999986525	6.3166987473
0.8483577081	0.9999986525	5.5140862629
0.4852789058	0.9999986525	0
0.1545247053	0.9999986525	0
0.3435114756	0.9999986525	10.7724880799
0.1715764081	0.9999986525	1.0625545199
0.5076229825	0.9999986525	0
0.2096528404	0.9999986525	1.1286954656
0.4112940087	0.9999986525	0.3875170098
0.003046	0.9999986525	3.5886334325
0.6965107156	0.9999986525	8.7887703501
0.1990483812	0.9999986525	7.3399388351
0.206152538	0.9999986525	663.2445544699
0.7697763739	0.9999986525	61.9615011845
0.9414377398	0.9999986525	0
0.4334277537	0.9999986525	1.8700598365
0.5263431386	0.9999986525	0
0.5780944872	0.9999986525	1.0783045318
0.9101794364	0.9999986525	107.8170712208
0.5992315295	0.9999986525	0
0.1487517609	0.9999986525	0
0.2228800971	0.9999986525	18.8041900312
0.0231290255	0.9999986525	0
0.407646249	0.9999986525	0
0.9232032489	0.9999986525	0.8561804351
0.7536479445	0.9999986525	12.3628085736
0.2523220433	0.9999986525	0
0.2805171312	0.9999986525	0
0	0	0
0.1525907332	0.9999986525	0
0.6312664098	0.9999986525	0
0.6728785301	0.9999986525	0.4346413156
0.527133231	0.9999986525	8.9458256576
0.3317059432	0.9999986525	1253.2116189294
0.9168981113	0.9999986525	1268.041253933
0.0721317499	0.9999986525	484.753723968
0.9871280039	0.9999986525	204.9699284333
0.9319593894	0.9999986525	0.5206368059

gene_expression_table

0.6894635128	0.9999986525	4.6974174287
0.0872461572	0.9999986525	0
0.5873962289	0.9999986525	0
0.2856173862	0.9999986525	96.3757631867
0.0540394442	0.9999986525	0.6718949452
0	0	0
0.4915465875	0.9999986525	0
0.9338215657	0.9999986525	1.7893318277
0.1895579799	0.9999986525	0
0.3285693438	0.9999986525	2.1277917178
0.2360439607	0.9999986525	0
0	0	0
0.6312664098	0.9999986525	0
0.4503748411	0.9999986525	0.7849752267
0.4626177266	0.9999986525	18.5768266712
0.8986637475	0.9999986525	0
0.4076775281	0.9999986525	0
0.5556920494	0.9999986525	0.5533526979
0.4077087944	0.9999986525	0
0.0524268178	0.9999986525	3.5815759003
0.6239791298	0.9999986525	0.7800823926
0.717317951	0.9999986525	0
0.8144615874	0.9999986525	0
0.8430737802	0.9999986525	3.4222750983
0.8001443175	0.9999986525	0
0.2026594927	0.9999986525	1.8039388676
0.3580771924	0.9999986525	3.5219140177
0.2688605205	0.9999986525	52.8667850113
0.889908796	0.9999986525	0
0.5492270709	0.9999986525	7.9979886462
0.8437637684	0.9999986525	12.2623446079
0.2055209223	0.9999986525	1.7223427546
0.336203994	0.9999986525	105.6182347949
0.1102635265	0.9999986525	0
0.2133199066	0.9999986525	37.9470911733
0.3621145674	0.9999986525	4.6527987161
0.707110302	0.9999986525	1.7402671735
0.0980482412	0.9999986525	0
0.5412309668	0.9999986525	0
0.5623612163	0.9999986525	0.3877930129
0.251691686	0.9999986525	17.5744237329
0.2963045737	0.9999986525	0
0.0939109382	0.9999986525	1.3015406926
0.2279734612	0.9999986525	1.1689926343
0.8499939008	0.9999986525	0.8743591912
0.5473350299	0.9999986525	3.8388717728
0.062139791	0.9999986525	0.9092600991
0.43762035	0.9999986525	0
0.9371907325	0.9999986525	3.4996319731

gene_expression_table

0.7674747231	0.9999986525	0
0.986223577	0.9999986525	0.6413698165
0.6402044238	0.9999986525	0
0.3876191428	0.9999986525	0
0.407740048	0.9999986525	0
0.5290796118	0.9999986525	0
0.8034115639	0.9999986525	0.5525740048
0.3167668427	0.9999986525	11.6461684669
0.1366430046	0.9999986525	1.7030430075
0.845212751	0.9999986525	0
0.2341989814	0.9999986525	4.2432178543
0.6312664098	0.9999986525	0
0.9033670037	0.9999986525	0.6769973623
0.6209908391	0.9999986525	0
0.8998918472	0.9999986525	3.2234401701
0.5146519711	0.9999986525	0.5107383274
0.6453583151	0.9999986525	8.0291768806
0.9296039376	0.9999986525	1.1820218488
0.2522302334	0.9999986525	733.374615785
0.0306992015	0.9999986525	2.8345812702
0.4880570237	0.9999986525	0
0.7789139524	0.9999986525	0.5759298404
0.6815114273	0.9999986525	22.4344954648
0.526645818	0.9999986525	8.8537394992
0.8970023618	0.9999986525	0
0.7869085846	0.9999986525	0.982511408
0.4486262039	0.9999986525	0.7629974173
0.9301263448	0.9999986525	0.8696798549
0.0930674853	0.9999986525	0.6493173911
0	0	0
0.4673058806	0.9999986525	32.895620197
0.6467435598	0.9999986525	11.0674598127
0.3969401806	0.9999986525	1.6323599588
0.3418718889	0.9999986525	0.4246140345
0.4729816619	0.9999986525	0
0.2653121842	0.9999986525	0
0.5304715882	0.9999986525	0
0	0	0
0.0530639824	0.9999986525	0
0.8896978238	0.9999986525	0
0.344751813	0.9999986525	0
0.8837798298	0.9999986525	0.783182594
0.8128373253	0.9999986525	0.7661964054
0.5978086352	0.9999986525	0
0.1912104049	0.9999986525	1.2468022103
0.6745455413	0.9999986525	1.1199275821
0.6000498194	0.9999986525	72.0774838507
0.4871611084	0.9999986525	0
0.6004639995	0.9999986525	0

gene_expression_table

0.2417986326	0.9999986525	0
0.318900713	0.9999986525	0.6425962918
0.8599669833	0.9999986525	5.5894316091
0.8049247515	0.9999986525	0.2718709274
0.9818232926	0.9999986525	0.7731053404
0.4239878518	0.9999986525	0
0	0	0
0.3965994611	0.9999986525	9.7850665554
0.9481452127	0.9999986525	4.5937129883
0.9529032794	0.9999986525	0
0.1690559584	0.9999986525	3.0787508439
0.5333735815	0.9999986525	1.2492056915
0.4319569566	0.9999986525	2.1129370577
0.5247728369	0.9999986525	11.2436490606
0.3657134283	0.9999986525	59.7815623951
0.2814449443	0.9999986525	31.56924877
0.3554704444	0.9999986525	0
0.4794073011	0.9999986525	5.6642983941
0.8528228421	0.9999986525	11.0666867835
0.7530544483	0.9999986525	17.0941608409
0.0750602447	0.9999986525	1.9976266113
0.0365995987	0.9999986525	0
0.3693602974	0.9999986525	1.9545341468
0.4167454375	0.9999986525	0
0.0815697826	0.9999986525	0
0.1243482727	0.9999986525	3.0917515441
0	0	0
0.9945511043	0.9999986525	0
0.6747228694	0.9999986525	0
0.3400584376	0.9999986525	10.6372443558
0.3451220914	0.9999986525	0
0	0	0
0.4009346331	0.9999986525	203.8163752101
0.4711796353	0.9999986525	1.0115767863
0.4026805036	0.9999986525	36.4989068599
0.996225501	0.9999986525	0
0.002949	0.9999986525	1.4133839545
0.9285887586	0.9999986525	0
0.5504548264	0.9999986525	10.517907241
0.2248421472	0.9999986525	4.8485319983
0.0274826208	0.9999986525	131.5824807881
0.4729816619	0.9999986525	0
0	0	0
0.9398258172	0.9999986525	30.1449304945
0	0	0
0.6312664098	0.9999986525	0
0.5455442171	0.9999986525	0
0.2479042708	0.9999986525	0.5874087223
0.1149432075	0.9999986525	4.3985940057

gene_expression_table

0.9914455128	0.9999986525	0
0	0	0
0.6401964011	0.9999986525	0
0.1680315942	0.9999986525	5.813878494
0.6751501549	0.9999986525	2.3533516721
0.9207765693	0.9999986525	3.47929235
0.4644564078	0.9999986525	2.5727119968
0.7799232056	0.9999986525	0
0.2969132395	0.9999986525	65.4447561664
0.4729816619	0.9999986525	0
0.6295451873	0.9999986525	1.5599113396
0.5642301847	0.9999986525	3.8296625076
0.6920274438	0.9999986525	0
0.7296430576	0.9999986525	0
0.9047109196	0.9999986525	41.3821102655
0.0762202891	0.9999986525	0.9701129338
0.5574057876	0.9999986525	0
0.8197386407	0.9999986525	0.5839599101
0.9416704986	0.9999986525	62.2222952872
0.389097026	0.9999986525	8.2155896751
0.2166860532	0.9999986525	0
0.0685579249	0.9999986525	1.9770867453
0.9822470153	0.9999986525	5.8142056262
0.0700360895	0.9999986525	0.9761334684
0.5976749661	0.9999986525	0.7545492217
0.5325281103	0.9999986525	13.0803066688
0.3266061153	0.9999986525	3.4009266985
0.9535921607	0.9999986525	2.1512046573
0.7468351218	0.9999986525	2.5255316673
0.407771289	0.9999986525	0
0.8773486045	0.9999986525	125.121210322
0.8914649446	0.9999986525	599.6881865947
0.0346587507	0.9999986525	5.1616417344
0	0	0
0.1236384677	0.9999986525	0.3119159362
0.1203619048	0.9999986525	1.2871554349
0.6334530009	0.9999986525	0
0.0870748437	0.9999986525	2.9889369561
0.0177695255	0.9999986525	2.5931759618
0.2604393944	0.9999986525	4.2745269901
0.0185317633	0.9999986525	5.405428386
0.1556995537	0.9999986525	1.2370627088
0.8577403587	0.9999986525	0
0.3392251546	0.9999986525	118.5395264057
0.5487921102	0.9999986525	0
0.5417083513	0.9999986525	0.7518851716
0.1248326356	0.9999986525	0.7717158588
0.4426695906	0.9999986525	0.1779114996
0.0458532823	0.9999986525	0.1001135804

	gene_expression_table	
0.3370238446	0.9999986525	0
0.6290281078	0.9999986525	0
0.7743139697	0.9999986525	5.3825582872
0.3985799625	0.9999986525	2.6186122811
0.5287011691	0.9999986525	0
0.0937568526	0.9999986525	1.9281485972
0.1042349905	0.9999986525	2.6773080996
0	0	0
0.1589546151	0.9999986525	347.0123459858
0.8338056859	0.9999986525	0
0.8213767655	0.9999986525	1.9400476886
0.4091039983	0.9999986525	0.8185412453
0.947346974	0.9999986525	3.1965169302
0.7573768895	0.9999986525	56.1054372093
0.8300786706	0.9999986525	149.6144992247
0.7159173173	0.9999986525	0
0.8759488519	0.9999986525	0
0.5827379899	0.9999986525	50.660832831
0.7540747041	0.9999986525	0
0.1416226127	0.9999986525	0.5729643305
0.8647829937	0.9999986525	0
0.3597388735	0.9999986525	0
0.4729816619	0.9999986525	0
0.9293179079	0.9999986525	1.2204481706
0.5342591604	0.9999986525	0.1365734735
0.0567241169	0.9999986525	0
0.6545604761	0.9999986525	2.3153082747
0.5615816343	0.9999986525	0.5609699485
0.053148337	0.9999986525	10.1214868199
0.0287546044	0.9999986525	3.9311865055
0.9175641583	0.9999986525	32.6176576548
0.9239951149	0.9999986525	0
0.9313834372	0.9999986525	0.9521682843
0.4090986638	0.9999986525	6.5166164756
0.0843780722	0.9999986525	1.0462552393
0.5288486808	0.9999986525	6866.5076583347
0.4729816619	0.9999986525	0
0.5993979306	0.9999986525	1.4668631351
0.2174128014	0.9999986525	0
0.3216613238	0.9999986525	1.6773778259
0.8508358386	0.9999986525	3.1877612877
0.6843895102	0.9999986525	2.4468068579
0.8946305028	0.9999986525	65.2102438139
0.7558818131	0.9999986525	19.9465070934
0.9808580833	0.9999986525	0
0.4633745435	0.9999986525	0.8900372137
0.1426504439	0.9999986525	4.7473184923
0.5653206405	0.9999986525	3.9922403739
0.3353901781	0.9999986525	0

gene_expression_table

0.465027245	0.9999986525	0.3943426609
0.3995761129	0.9999986525	4.0241475304
0.9295825896	0.9999986525	0
0.9791552432	0.9999986525	4.0473536843
0.5778480876	0.9999986525	1.137854981
0.30755387	0.9999986525	0
0.5033477409	0.9999986525	0.1938922354
0.9917440899	0.9999986525	9.4265679842
0.6312664098	0.9999986525	0
0.6464189418	0.9999986525	3.9635954315
0.6234591257	0.9999986525	0.5778138379
0.9343730525	0.9999986525	0
0.7218727761	0.9999986525	13.9405881553
0.4078025173	0.9999986525	0
0.0590979714	0.9999986525	1149.1695715607
0.2535268951	0.9999986525	39.8295009248
0.6889322894	0.9999986525	1.4843014163
0.9557923879	0.9999986525	0.8218721956
0.2671495831	0.9999986525	10.6730720565
0.1983415344	0.9999986525	10.5112783812
0.8480070439	0.9999986525	51.5090229775
0.2630739786	0.9999986525	0
0.6401883714	0.9999986525	2.188361574
0.4106484708	0.9999986525	0
0.7463571633	0.9999986525	1.2089714599
0.3441254844	0.9999986525	3.8285751662
0.6380995433	0.9999986525	5.1385403995
0.3442901522	0.9999986525	1.3524777553
0.3934337293	0.9999986525	0.5407771441
0.5916401166	0.9999986525	12.8008915183
0.708606037	0.9999986525	0.4676156843
0.6445212261	0.9999986525	0
0.5660835127	0.9999986525	0
0.5017639653	0.9999986525	0
0.2117161571	0.9999986525	0.723428782
0.0946993004	0.9999986525	5.889809103
0.1002593351	0.9999986525	2.2791930946
0.1469254	0.9999986525	0.2508259794
0	0	0
0.2109677488	0.9999986525	0
0.3127990667	0.9999986525	13.1590677031
0.7355497083	0.9999986525	0
0.01075055	0.9999986525	42.6090506061
0.0567871762	0.9999986525	9.1071041223
0.5009241657	0.9999986525	20.1490118495
0.0396349319	0.9999986525	91.6663467212
0.660751586	0.9999986525	0
0.4729816619	0.9999986525	0
0.8664363829	0.9999986525	0.501969027

gene_expression_table

0.5545353365	0.9999986525	0
0.1694308529	0.9999986525	0
0.846066832	0.9999986525	5.2185947327
0.8332486335	0.9999986525	0.2664805741
0.1554496043	0.9999986525	0
0.2973767577	0.9999986525	0
0.6098761915	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.2553963621	0.9999986525	3.0322039821
0.3001182767	0.9999986525	0
0.8651700082	0.9999986525	1.0961792907
0.0384185282	0.9999986525	2.8373223502
0.2724589569	0.9999986525	0.9763660573
0.707134123	0.9999986525	45.8243561398
0.5750283271	0.9999986525	5.6354597053
0.4105174559	0.9999986525	0.9672790217
0.3403728153	0.9999986525	5.5549743073
0.7158957402	0.9999986525	10.114379488
0.697574777	0.9999986525	0
0.5136676341	0.9999986525	2.2097503902
0.3143112668	0.9999986525	0
0.008559	0.9999986525	54.3396071976
0.7424113489	0.9999986525	5.3218973749
0.4925506896	0.9999986525	0
0.5904035797	0.9999986525	5.2088156578
0.7463404315	0.9999986525	52.3434222378
0.7062876975	0.9999986525	0.1206653999
0.5620421723	0.9999986525	2.1079866141
0.4990239626	0.9999986525	0
0.3658650425	0.9999986525	3.5654965891
0.8939814383	0.9999986525	0
0.4785897153	0.9999986525	10.9998441182
0.67842572	0.9999986525	0.4490019476
0.2743725125	0.9999986525	8.1339778571
0.6226451458	0.9999986525	0
0.4230688526	0.9999986525	14.3949626074
0.3075114913	0.9999986525	0
0.5636404013	0.9999986525	0
0.4231349984	0.9999986525	0
0.0708632788	0.9999986525	18.4306684588
0.5992214711	0.9999986525	3.4169021928
0.3369929686	0.9999986525	0
0.3968474474	0.9999986525	0
0	0	0
0.0913256639	0.9999986525	11.0189689602
0.3320885215	0.9999986525	0.3935932617
0.3457795072	0.9999986525	0
0.1168396065	0.9999986525	1.0865943468

gene_expression_table

0.349401901	0.9999986525	0
0.2700956838	0.9999986525	0
0.6401722909	0.9999986525	0
0.625888406	0.9999986525	0
0.2135261465	0.9999986525	2193.6489656991
0.0313250251	0.9999986525	0
0.6598145893	0.9999986525	1.1575526455
0.6066443031	0.9999986525	0.7374940871
0.1793333931	0.9999986525	0.9770946168
0.4077258632	0.9999986525	0
0.2720388534	0.9999986525	1.2005346023
0.0667901054	0.9999986525	0
0.1052023056	0.9999986525	3.748379553
0.7765259997	0.9999986525	1.541895162
0.4914278533	0.9999986525	5.964529238
0.2385277028	0.9999986525	0
0.3048042636	0.9999986525	0
0.4705685641	0.9999986525	13.6850212415
0.6396369867	0.9999986525	0
0	0	0
0.6312664098	0.9999986525	0
0.6207182181	0.9999986525	9.4795832643
0.3512447805	0.9999986525	1.7735289374
0	0	0
0	0	0
0.001422	0.9999986525	0
0.9298877536	0.9999986525	0
0.5942626249	0.9999986525	58.9441051633
0.4564298853	0.9999986525	0
0.5941475786	0.9999986525	14.8000331305
0.1054783199	0.9999986525	5.3172452477
0.6887134913	0.9999986525	0
0.6815169832	0.9999986525	0
0.6780593293	0.9999986525	0
0.2570043813	0.9999986525	2.3054289118
0.6352625631	0.9999986525	6.0894636488
0.2993081989	0.9999986525	0
0.1005454516	0.9999986525	0
0	0	0
0.1015107468	0.9999986525	1.4337582318
0.2622164696	0.9999986525	0
0.0552157428	0.9999986525	10.2227082185
0.4832812877	0.9999986525	0
0.8641127168	0.9999986525	0
0.8973785469	0.9999986525	0
0.906715496	0.9999986525	0
0.6624040143	0.9999986525	2.735669228
0.9539230583	0.9999986525	0.8959458654
0.4738730589	0.9999986525	0

gene_expression_table

0.3811153447	0.9999986525	3.0865176674
0.0242728729	0.9999986525	11.1237936377
0.3154750705	0.9999986525	1.2157620273
0.9859858413	0.9999986525	0
0.4235705412	0.9999986525	1.3610519145
0.004539	0.9999986525	344.1767235341
0.2736182781	0.9999986525	24.0391070671
0.3252834078	0.9999986525	0
0	0	0
0.3458178621	0.9999986525	0
0.5148208292	0.9999986525	2.084252579
0.64016424	0.9999986525	0
0.6312664098	0.9999986525	0
0.3466303828	0.9999986525	334.727035155
0.6426098434	0.9999986525	3.9782997421
0.5456838608	0.9999986525	54.0295838632
0.1623781174	0.9999986525	0.2270472642
0.1269726797	0.9999986525	0
0.4662248344	0.9999986525	13.4990114866
0.8855851795	0.9999986525	0
0.0813315402	0.9999986525	0
0.4729816619	0.9999986525	0
0.2331531389	0.9999986525	23.6092616121
0.3734322625	0.9999986525	50.1012911755
0.7661041877	0.9999986525	16.1799085707
0.7046882025	0.9999986525	1.9442614573
0.4978717813	0.9999986525	0.232455626
0.9441523358	0.9999986525	0
0.3244532946	0.9999986525	1.216195973
0.0722973272	0.9999986525	4.8497629225
0.1012900469	0.9999986525	1.1646617908
0.5756269024	0.9999986525	11.8629645612
0.5312008499	0.9999986525	6.6948163219
0.678566024	0.9999986525	2.0879192815
0.5374224049	0.9999986525	0
0.5328629419	0.9999986525	0
0.2737402004	0.9999986525	0
0.9772414636	0.9999986525	1.9970475016
0.7909035916	0.9999986525	0
0.6401561819	0.9999986525	0
0.5240339034	0.9999986525	14.4405536528
0.9799955734	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.3369622054	0.9999986525	0
0.4249670767	0.9999986525	58.9809682685
0.5915898874	0.9999986525	0
0.9248561608	0.9999986525	17.0023774176
0.8543436762	0.9999986525	24.3640347955

gene_expression_table

0.7498950781	0.9999986525	3.1503425826
0.3712488152	0.9999986525	16.5301778486
0.6318992309	0.9999986525	3.0208727465
0.6504562201	0.9999986525	0
0.7409728805	0.9999986525	0
0.8056218116	0.9999986525	0
0.3251115015	0.9999986525	18.155351745
0.6973233015	0.9999986525	7.9734166033
0.7689641145	0.9999986525	0
0.7293518013	0.9999986525	0
0.5232014694	0.9999986525	96.6332166471
0.8596159084	0.9999986525	10.1345969252
0.4890661022	0.9999986525	103.9644059573
0.9894901888	0.9999986525	158.4057533713
0.6373882077	0.9999986525	0
0.7217265067	0.9999986525	2.3451312081
0.6897991985	0.9999986525	24.0026896953
0.7938186689	0.9999986525	18.5735601288
0.412287192	0.9999986525	1.457297487
0.8325487663	0.9999986525	2.4509324652
0.3081697637	0.9999986525	0
0.0964214305	0.9999986525	0
0.0974497003	0.9999986525	3.2987051139
0.6576899294	0.9999986525	0
0.4571560206	0.9999986525	4.3284775008
0.3412354089	0.9999986525	201.7509609664
0.9886445251	0.9999986525	3.6528358427
0.2210890015	0.9999986525	0
0.6312664098	0.9999986525	0
0.2790016521	0.9999986525	2.2595639603
0.9876299413	0.9999986525	18.6676209512
0.6312664098	0.9999986525	0
0.3702883525	0.9999986525	0
0.8065259641	0.9999986525	0
0.7068233016	0.9999986525	4.7359097389
0.7089298194	0.9999986525	1.5814539022
0.5388924942	0.9999986525	0
0.279244827	0.9999986525	11.1054709945
0.1381259339	0.9999986525	2.93367874
0.2431680421	0.9999986525	0
0.9887906194	0.9999986525	7.0391574198
0.3021174273	0.9999986525	0
0.6932649208	0.9999986525	0.1914532775
0.30755387	0.9999986525	0
0.6401481166	0.9999986525	0
0.211122979	0.9999986525	0.8021433184
0.1838182513	0.9999986525	4.5979121775
0.7871558702	0.9999986525	0.1120018624
0.9085080089	0.9999986525	18.0982605948

gene_expression_table

0.28523072	0.9999986525	0
0.1119448789	0.9999986525	0.5842958571
0.1409195819	0.9999986525	33.6012868027
0.4076493308	0.9999986525	0
0.052324907	0.9999986525	30.8447471025
0.2630703198	0.9999986525	0
0.9319618931	0.9999986525	0
0.4515338104	0.9999986525	17.4963288019
0.160773871	0.9999986525	2.0785516245
0.34926081	0.9999986525	0
0.9338071492	0.9999986525	0
0.831250352	0.9999986525	30.4227639552
0.2925851165	0.9999986525	37.0884257207
0.6660053686	0.9999986525	5.3845965906
0.4729816619	0.9999986525	0
0.6587071082	0.9999986525	0
0.640140044	0.9999986525	0
0.744808918	0.9999986525	0
0.5198564268	0.9999986525	0.9896918939
0.6428190642	0.9999986525	12.9433188477
0.0634247586	0.9999986525	4.2513870299
0.2416030038	0.9999986525	0
0.55458796	0.9999986525	0
0.6153149235	0.9999986525	2.2347884853
0.4502433516	0.9999986525	0.610219855
0.2880286059	0.9999986525	1.9849135547
0.3811601262	0.9999986525	0.7072162337
0.6312664098	0.9999986525	0
0.1502765297	0.9999986525	0.7738189657
0.1597437977	0.9999986525	0.312006228
0.6401319642	0.9999986525	0
0.8656253785	0.9999986525	0
0.6955474227	0.9999986525	0.8657593598
0.1307874024	0.9999986525	1.163558454
0.958072439	0.9999986525	4.0817619775
0.3801616339	0.9999986525	1240.9536116844
0.9305149036	0.9999986525	0
0.3048156515	0.9999986525	0
0.6401238769	0.9999986525	0
0.1029543884	0.9999986525	0.3755656407
0.7986427631	0.9999986525	6.0971967474
0.4878856944	0.9999986525	0
0.8899148224	0.9999986525	0
0	0	0
0.3003406441	0.9999986525	667.4744799534
0.9655097321	0.9999986525	4.7599832567
0.8862785342	0.9999986525	0
0.8334650404	0.9999986525	22.307456917
0.2906376853	0.9999986525	1.3069840438

gene_expression_table

0.3158217601	0.9999986525	1.8380927236
0.3793723739	0.9999986525	5.0859228543
0.1354399289	0.9999986525	3.0767480252
0.003893	0.9999986525	40.0712581383
0.4954747799	0.9999986525	0
0.6057173799	0.9999986525	3.3633725626
0.514390578	0.9999986525	0
0.7457583584	0.9999986525	10.794505701
0.3684906551	0.9999986525	0
0	0	0
0.2575038881	0.9999986525	3.7472625391
0.6075927142	0.9999986525	7.7701807012
0.5557338238	0.9999986525	3.4425524379
0.8642701251	0.9999986525	0.3713632393
0.5242656507	0.9999986525	1.1798828968
0	0	0
0.5920268579	0.9999986525	0
0.2061282397	0.9999986525	2.053059077
0.8865660454	0.9999986525	3.5856488434
0.2046122862	0.9999986525	0
0.6500419882	0.9999986525	0
0.2105508754	0.9999986525	0
0.8173506822	0.9999986525	0
0.0447800905	0.9999986525	0
0.6892875342	0.9999986525	0.6513803432
0.5755448684	0.9999986525	2.6889627935
0.7172380133	0.9999986525	0
0.4017388179	0.9999986525	5.8130537154
0.3355477794	0.9999986525	0
0.4030840826	0.9999986525	21.4516320984
0.2357890584	0.9999986525	0
0.9820725853	0.9999986525	0.1390699076
0.1467412076	0.9999986525	4.091921416
0.9792455376	0.9999986525	0
0.4950828964	0.9999986525	0
0.615886604	0.9999986525	2.0321936319
0.3255128664	0.9999986525	55.3953411226
0.9932313978	0.9999986525	0.7407281659
0.5814327319	0.9999986525	1.9555157755
0.7968883856	0.9999986525	17.1284679984
0.7819041965	0.9999986525	0.4893711961
0.3618603554	0.9999986525	0
0	0	0
0.2414074257	0.9999986525	0
0.378837473	0.9999986525	7.2915748409
0.0710388961	0.9999986525	1.9024729795
0.5667713348	0.9999986525	0
0.0435838066	0.9999986525	1.4220991498
0.6807989836	0.9999986525	6.516482466

gene_expression_table

0.0388134419	0.9999986525	1.522848771
0.2834528827	0.9999986525	2.5510273017
0.9396799582	0.9999986525	0.9282862556
0.8558603359	0.9999986525	3.9454593027
0.8009121168	0.9999986525	2.051411005
0.1819348279	0.9999986525	12.0643991989
0.3248409387	0.9999986525	0
0.5192418976	0.9999986525	8.5891253432
0.1046613379	0.9999986525	4.2679063323
0.1909808473	0.9999986525	56.4050390455
0.4050808925	0.9999986525	5.0758210693
0.1348522624	0.9999986525	55.3114425958
0.7156842751	0.9999986525	2.4774330719
0.2412226728	0.9999986525	2.6414443205
0.001954	0.9999986525	34.6548019858
0.3906523031	0.9999986525	80.1577207001
0.5987285854	0.9999986525	5.8030895755
0.239153929	0.9999986525	0
0.1235908805	0.9999986525	11.2822701289
0.2748229099	0.9999986525	2.9574374637
0.0561749712	0.9999986525	1.8813065303
0.0002033	0.7627450395	0
0.9496559219	0.9999986525	0
0.1490345368	0.9999986525	0
0.327120852	0.9999986525	1.8651616834
0.4918897418	0.9999986525	0
0.8359325125	0.9999986525	0
0.0319540623	0.9999986525	0
0.8017304308	0.9999986525	1.291567526
0.2985612705	0.9999986525	2.9579757894
0.3357046437	0.9999986525	0
0.9476539081	0.9999986525	7.8553954268
0.1278134927	0.9999986525	1.354654583
0.9357387693	0.9999986525	10.2605824894
0.8219382485	0.9999986525	0
0.6404773781	0.9999986525	0
0.2737550012	0.9999986525	322.796555349
0.7415342472	0.9999986525	0
0.561803081	0.9999986525	5.9889911239
0.5297864684	0.9999986525	0
0.2735609655	0.9999986525	0
0.913801376	0.9999986525	15.5973474446
0.9397011518	0.9999986525	4.575803
0.8202824153	0.9999986525	142.5663066018
0.274951909	0.9999986525	0
0.8477026452	0.9999986525	0
0.43047794	0.9999986525	22.5455254769
0.1746262855	0.9999986525	1.4722060051
0.8393330229	0.9999986525	2.3280144681

gene_expression_table

0.2658409545	0.9999986525	0
0.1533625861	0.9999986525	0
0.8030652525	0.9999986525	0.1042770318
0.6937227417	0.9999986525	0.346459359
0.516481838	0.9999986525	0
0.4075729196	0.9999986525	0
0.146379629	0.9999986525	7.5773196881
0.5459381306	0.9999986525	5.0303760574
0.9273355307	0.9999986525	0
0.1201695966	0.9999986525	1.1113338431
0	0	0
0.7608596999	0.9999986525	69.4324515083
0.7610625239	0.9999986525	1.264225379
0.7579898833	0.9999986525	7.0279755119
0.2828193076	0.9999986525	0
0.3019191213	0.9999986525	6.3761123482
0.3782144051	0.9999986525	0.7504908626
0.3309845876	0.9999986525	0
0.4512325928	0.9999986525	0
0.4246361708	0.9999986525	0
0.1079120122	0.9999986525	0
0.8345210796	0.9999986525	0.7291920007
0.9062934251	0.9999986525	2.1928137109
0.8990252742	0.9999986525	0.9675891436
0.5327267496	0.9999986525	101.0142405914
0.0165924724	0.9999986525	2497.9555917849
0.3586897792	0.9999986525	0.2377206359
0.1114133531	0.9999986525	0
0	0	1.5965996018
0.161201617	0.9999986525	13.7001084893
0.5446031964	0.9999986525	0
0.3043052433	0.9999986525	0.9490542189
0.2428233285	0.9999986525	0.553060069
0.554105595	0.9999986525	4631.7091322661
0.799919427	0.9999986525	0.8044770484
0.2275574795	0.9999986525	34.3393486517
0.5078360649	0.9999986525	0.1802984321
0.3369315541	0.9999986525	0
0.9788380809	0.9999986525	2018.2461607911
0.2145237088	0.9999986525	1.276459039
0.6535403016	0.9999986525	9.5738091591
0.9166435085	0.9999986525	0
0.1592953438	0.9999986525	1.7049122178
0.2343787841	0.9999986525	57.7832803351
0.4250188673	0.9999986525	6.3761823284
0.1164782674	0.9999986525	2.5998138387
0.780937621	0.9999986525	18.8742470968
0.2009301372	0.9999986525	0
0.3388189177	0.9999986525	4.6833305158

gene_expression_table

0.451761582	0.9999986525	0.8508595884
0.2006156025	0.9999986525	0.1129096025
0.0601253596	0.9999986525	3.134096765
0.5611787308	0.9999986525	0.3636783687
0.8245034343	0.9999986525	0
0.2674148366	0.9999986525	0.5796656631
0.7439764253	0.9999986525	4.2255360117
0.2211316849	0.9999986525	0
0.2100793644	0.9999986525	0
0.6312664098	0.9999986525	0
0.2168820396	0.9999986525	40.9637038874
0.0626862108	0.9999986525	0
0.5132523822	0.9999986525	0
0.8440983964	0.9999986525	1.4065332825
0.8857502974	0.9999986525	0.2988243581
0.9620486344	0.9999986525	0
0.0203697157	0.9999986525	0
0.7156514658	0.9999986525	0
0.9987907069	0.9999986525	0
0.0731854378	0.9999986525	0
0.7715767406	0.9999986525	2.1465872929
0.7154064949	0.9999986525	0
0.009922	0.9999986525	1.0267690228
0.3113389925	0.9999986525	2.7407042079
0.1373370704	0.9999986525	2.5324748206
0.2415986349	0.9999986525	0.7645243896
0.7613130938	0.9999986525	0
0.1804180935	0.9999986525	3.17124524
0.8452883217	0.9999986525	0
0.1974741823	0.9999986525	0
0.1035065409	0.9999986525	0.4038795733
0.6636999573	0.9999986525	0
0.274736305	0.9999986525	4.2101813483
0.7121098598	0.9999986525	1.1719498109
0.3048270423	0.9999986525	0
0.8563428645	0.9999986525	9.7709461678
0.1305367552	0.9999986525	5.5113530277
0.0356369513	0.9999986525	9.564850871
0.6149203647	0.9999986525	2.5593408636
0.3528806933	0.9999986525	0.7608375395
0.2342350983	0.9999986525	0.7613640138
0.0766169933	0.9999986525	8.2801201283
0.8262271051	0.9999986525	4.5974118715
0.4117126917	0.9999986525	2.3222054358
0.4248009951	0.9999986525	0
0.3123085494	0.9999986525	2.5887589352
0.8400581978	0.9999986525	0
0.7652825623	0.9999986525	0
0.8725486876	0.9999986525	4.2156030576

gene_expression_table

0.0531353976	0.9999986525	5.3574678663
0.0256474446	0.9999986525	2.199480186
0.0762088556	0.9999986525	0
0.0154236748	0.9999986525	2.2151630831
0.000246	0.8275161028	20.3568910832
0.0526692147	0.9999986525	19.3372576986
0.5521356273	0.9999986525	6.5583815889
0.6359317515	0.9999986525	0
0.0555151235	0.9999986525	374.5246339777
0.009872	0.9999986525	0.9596877154
0.8995357772	0.9999986525	0.8040361451
0.9035632541	0.9999986525	33.2950967923
0.2664996153	0.9999986525	0
0.990658009	0.9999986525	5.4528200975
0.06130192	0.9999986525	2.3500792376
0.4729816619	0.9999986525	0
0.0745690378	0.9999986525	0.4644696787
0.30755387	0.9999986525	0
0.3422055565	0.9999986525	0
0.2367291597	0.9999986525	7.0957837198
0.1083164583	0.9999986525	0.2872600989
0	0	0
0.4002990937	0.9999986525	0.6710108023
0.3998440872	0.9999986525	1.5097311469
0.4729816619	0.9999986525	0
0.4068414848	0.9999986525	4.010472946
0.4029529639	0.9999986525	0
0.5768417186	0.9999986525	21.8607893582
0.2696944033	0.9999986525	0.9620664081
0.3244745913	0.9999986525	0.2279370154
0.092486174	0.9999986525	14.0908508915
0.739822201	0.9999986525	0.2206998614
0.088074177	0.9999986525	1.4961732486
0.4457838019	0.9999986525	5.4786222226
0.6312664098	0.9999986525	0
0.3722082826	0.9999986525	1253.7428659065
0.4794085293	0.9999986525	3.0605231783
0.9497290657	0.9999986525	0.404140725
0.3114510542	0.9999986525	1.3598691529
0.6004152944	0.9999986525	0
0.6312664098	0.9999986525	0
0.4258593473	0.9999986525	5.3001543691
0.2951570122	0.9999986525	4.0773502838
0.7827359258	0.9999986525	0
0.2046079482	0.9999986525	1.8066746639
0.4729816619	0.9999986525	0
0.4532983454	0.9999986525	0
0.0978568878	0.9999986525	0
0.0502937768	0.9999986525	13.4926068461

gene_expression_table

0.9295612144	0.9999986525	0
0.9161243593	0.9999986525	1000.0832125812
0.2719775265	0.9999986525	0
0.8270505589	0.9999986525	1.7946825549
0.6038059062	0.9999986525	7.1281058442
0.8799411139	0.9999986525	5.9735241547
0.8867079817	0.9999986525	23.989969669
0.8879179898	0.9999986525	8.5258512165
0.6312664098	0.9999986525	0
0.7118944851	0.9999986525	107.4545640413
0.7973660954	0.9999986525	28.3536117713
0.2562644528	0.9999986525	0
0.5053737405	0.9999986525	20.1839844174
0.956693996	0.9999986525	4.2045950343
0.3106401717	0.9999986525	4.4699221547
0.6299454035	0.9999986525	6.665268115
0.5965449856	0.9999986525	0
0.2108458666	0.9999986525	25.9728416175
0.1360211961	0.9999986525	9.4825072432
0.1120570879	0.9999986525	6.0628995783
0.8013107742	0.9999986525	11.372506078
0.3229921216	0.9999986525	107.4144042359
0.7541152566	0.9999986525	2.4114843261
0.4598814265	0.9999986525	16.1485761279
0.9409150273	0.9999986525	0.5088029733
0.9188764315	0.9999986525	37.8929603956
0.3369010142	0.9999986525	0
0.4689868422	0.9999986525	0
0.6401157822	0.9999986525	0
0.6558474016	0.9999986525	5.2930365029
0.4564352626	0.9999986525	0.1007837655
0.5828055134	0.9999986525	0
0.7754615365	0.9999986525	1352.833766498
0.8649826175	0.9999986525	0
0.6451843357	0.9999986525	0.9903600027
0.8999180697	0.9999986525	0
0.5549084083	0.9999986525	0
0.7610179686	0.9999986525	1.3575446799
0.5643889046	0.9999986525	23.504191467
0.295583973	0.9999986525	4.1106723402
0.6396230452	0.9999986525	0
0.1614640488	0.9999986525	11.9373720351
0.8680680942	0.9999986525	25.9847076144
0.5229916751	0.9999986525	1.2510403218
0.1065211837	0.9999986525	0
0.0108873439	0.9999986525	25.5496271789
0.6007726905	0.9999986525	43.2734051401
0.8316217084	0.9999986525	2.3259767233
0.9901399828	0.9999986525	0.4197293795

gene_expression_table

0.1945168272	0.9999986525	20.058457359
0.4132608238	0.9999986525	0
0.0839114668	0.9999986525	12.1705077143
0.1692807861	0.9999986525	44.9671504694
0.9191765082	0.9999986525	0
0.9551438997	0.9999986525	0
0.4274140088	0.9999986525	0
0.7401805232	0.9999986525	50.9014770183
0.4296751243	0.9999986525	19.6278814262
0.0794033294	0.9999986525	12.9916435903
0.8628978763	0.9999986525	0
0.1024690122	0.9999986525	0
0.8739146059	0.9999986525	59.8571041477
0.3517538236	0.9999986525	36.7913049295
0.4045086625	0.9999986525	0
0.3640783493	0.9999986525	10.0005697943
0.3484954967	0.9999986525	26.865593168
0.8906852437	0.9999986525	3.4433130549
0.3255656878	0.9999986525	0
0.8009139111	0.9999986525	27.6079028888
0.4692566675	0.9999986525	13.1590677031
0.3507215365	0.9999986525	0
0.3082649839	0.9999986525	81.4311514503
0.3894786461	0.9999986525	0
0.8640786018	0.9999986525	0
0.9690295288	0.9999986525	196.1722096726
0.8495360638	0.9999986525	32.3746944583
0.1203738306	0.9999986525	22.6644858819
0.322476351	0.9999986525	0
0.3058908329	0.9999986525	8.8892366853
0.6120327074	0.9999986525	6.691235047
0.42586574	0.9999986525	175.4337682304
0.6401076801	0.9999986525	0
0.9587394074	0.9999986525	19.0389034702
0	0	0
0	0	0
0.6312664098	0.9999986525	0
0.2470325519	0.9999986525	0
0	0	0
0.5925826907	0.9999986525	299.1638069464
0.2413704323	0.9999986525	0
0.1895976449	0.9999986525	0
0.1833991689	0.9999986525	0
0.0911333331	0.9999986525	0
0.0580611904	0.9999986525	10.6607611165
0.1088732698	0.9999986525	118.9725959669
0.4709465467	0.9999986525	0
0.0339667068	0.9999986525	0
0.3987123375	0.9999986525	1.8317177618

gene_expression_table

0.4338943948	0.9999986525	5.7837067542
0.8627729229	0.9999986525	3.4121926752
0.1843151824	0.9999986525	4.7609057964
0.1684415707	0.9999986525	89.5367952493
0.6430764004	0.9999986525	8.0923153679
0.9037202029	0.9999986525	0
0	0	0
0.4439895897	0.9999986525	0.3454637232
0.9798677291	0.9999986525	3.016367758
0.143128609	0.9999986525	16.8250774853
0.5806817339	0.9999986525	0.1676823962
0.4961996958	0.9999986525	0
0	0	0
0.820012529	0.9999986525	0
0.9041038105	0.9999986525	20.4405807189
0.483584649	0.9999986525	6.164521118
0.563494321	0.9999986525	9.8433954914
0.0120235524	0.9999986525	0.4428877242
0.9628979499	0.9999986525	0.535068317
0	0	0
0.4729816619	0.9999986525	0
0.500167256	0.9999986525	2.6899214743
0.6098761915	0.9999986525	0
0.9111724591	0.9999986525	129.3190945796
0.8656546451	0.9999986525	40.3159681117
0.4450443753	0.9999986525	18.1304216362
0.1888559741	0.9999986525	0
0.3200866848	0.9999986525	8.5399533595
0.3126650582	0.9999986525	0
0.4665921558	0.9999986525	0.4138697455
0.1750387815	0.9999986525	0
0.2123519788	0.9999986525	15.8410072664
0.0523534773	0.9999986525	0
0.5597803815	0.9999986525	5.0262589199
0.6418903261	0.9999986525	229.4269940592
0.6312664098	0.9999986525	0
0.3422249262	0.9999986525	0
0.3368705857	0.9999986525	0
0.8261457534	0.9999986525	6.1886475541
0.1268440672	0.9999986525	4.6737980731
0.2412548801	0.9999986525	4901.0407813021
0.2210825803	0.9999986525	45.2092798469
0.2629495218	0.9999986525	0
0.1048731431	0.9999986525	40.9489577254
0.8915375808	0.9999986525	3.1468699414
0.5025475507	0.9999986525	28.1059646779
0.7033416276	0.9999986525	0
0.1658550729	0.9999986525	0
0.4432928027	0.9999986525	9.1503375422

gene_expression_table

0.0192162689	0.9999986525	85.9033246768
0.570442617	0.9999986525	6.1351607995
0.30755387	0.9999986525	0
0.5360715775	0.9999986525	36.5431020421
0.819923128	0.9999986525	0
0.1094771314	0.9999986525	0.3642967286
0.2081758634	0.9999986525	0
0.6891698646	0.9999986525	36.704138267
0.6002015931	0.9999986525	25.4441007734
0.5986769327	0.9999986525	0
0.126375793	0.9999986525	1.0820750333
0.6640401546	0.9999986525	2.8554237795
0.158065926	0.9999986525	0.9175056369
0.5858002378	0.9999986525	31.4847495553
0.9956937972	0.9999986525	5.4792312066
0.0445591306	0.9999986525	0
0.2182395469	0.9999986525	11.2125509742
0.3108284719	0.9999986525	2.0792471891
0.6774889367	0.9999986525	13.0455353959
0.1815459149	0.9999986525	0
0.5355707751	0.9999986525	0
0.4729816619	0.9999986525	0
0.6884020113	0.9999986525	2.2564264815
0.6800170837	0.9999986525	0
0.8482660634	0.9999986525	2.8543876002
0	0	0
0.2840626648	0.9999986525	26.246853308
0.8319679722	0.9999986525	0
0.0463890224	0.9999986525	1.4384246381
0.3417122305	0.9999986525	0.5231068939
0.8002995394	0.9999986525	17.0545466777
0.0377817115	0.9999986525	6.9007732874
0.1096286357	0.9999986525	17.4897415235
0.2734960291	0.9999986525	12.1635002824
0.8995645681	0.9999986525	8.8967622576
0.1556380941	0.9999986525	0
0.9824224401	0.9999986525	1.7264246025
0.0526890107	0.9999986525	0
0.9417589119	0.9999986525	21.1002469941
0.3147141952	0.9999986525	144.6330997838
0.7040856192	0.9999986525	0.1441852899
0.2700733332	0.9999986525	0
0.1052341109	0.9999986525	35.4646241111
0.3887458042	0.9999986525	32.2134298422
0.7627592115	0.9999986525	1.680099196
0.9294003206	0.9999986525	12.9684268205
0.9500282014	0.9999986525	0
0.367423032	0.9999986525	27.3322356798
0.9524430709	0.9999986525	4.4035451058

gene_expression_table

0.3368402657	0.9999986525	0
0.7880442098	0.9999986525	22.4793220164
0.9483684886	0.9999986525	0.710284553
0.5114603678	0.9999986525	3.6418368657
0.4674805583	0.9999986525	13.8047840945
0.7890873647	0.9999986525	0
0.8395181269	0.9999986525	0
0.3422442988	0.9999986525	0
0.3533972588	0.9999986525	402.2921859989
0.6801958069	0.9999986525	0
0.1264171166	0.9999986525	0.3634193582
0.7268806457	0.9999986525	3.249576231
0.2375303082	0.9999986525	0
0.4596122643	0.9999986525	1.4244580321
0.8258107939	0.9999986525	0.8166490375
0.6017888796	0.9999986525	21.0100122233
0.041963544	0.9999986525	50.9295257727
0.3070429266	0.9999986525	0.4458149868
0.822660106	0.9999986525	29.5324799029
0.8432614305	0.9999986525	14.4588144857
0.0649075771	0.9999986525	1.2735451706
0.8451382378	0.9999986525	10.5913803723
0.6312664098	0.9999986525	0
0.6996982913	0.9999986525	21.2680633147
0.0926836426	0.9999986525	2.1804711367
0	0	0
0.3638439939	0.9999986525	9.2755442294
0.6650525365	0.9999986525	4.982915202
0.8894102602	0.9999986525	0
0.334397409	0.9999986525	4.9047751587
0	0	0
0.9444415618	0.9999986525	0.4906851823
0.876333893	0.9999986525	6.6831911707
0.0687223028	0.9999986525	1.0644104604
0.6429426533	0.9999986525	116.4001403505
0.4323674923	0.9999986525	491.0384959058
0.001444	0.9999986525	15.3020458437
0.6592082737	0.9999986525	0.8553969458
0.7981809663	0.9999986525	12.60625808
0.1003984416	0.9999986525	0
0	0	0
0.2717575636	0.9999986525	18.0993551153
0.8238584751	0.9999986525	0.7508376205
0.21482118	0.9999986525	0
0.8218256301	0.9999986525	0.8979210144
0.7738137113	0.9999986525	1.8052954444
0.8621525211	0.9999986525	0
0.6207479874	0.9999986525	0.6319911237
0.7881808183	0.9999986525	82.6832379277

gene_expression_table

0.6012087755	0.9999986525	776.1895424129
0.5945137046	0.9999986525	54.4313055925
0.1964936846	0.9999986525	142.9299563277
0.1199323801	0.9999986525	10.6115969914
0.6335850058	0.9999986525	0
0.3096934709	0.9999986525	21.2987975103
0.0760302919	0.9999986525	51.6707039025
0.7591711568	0.9999986525	39.2449698877
0.4473756357	0.9999986525	15.5616208942
0.7037915421	0.9999986525	3.7161496078
0.9613732343	0.9999986525	49.1063860775
0.0868047172	0.9999986525	137.7754388512
0.4008325526	0.9999986525	1.5177721708
0.1283949581	0.9999986525	1762.2713987218
0.9297453084	0.9999986525	46.4638576771
0.7708802216	0.9999986525	0
0.036496703	0.9999986525	0
0.1049625906	0.9999986525	11.7110523258
0.976342528	0.9999986525	410.9575673457
0.3184259492	0.9999986525	276.8439625462
0.4097668878	0.9999986525	2.1690384914
0.8143689091	0.9999986525	0.1496399338
0.1476887201	0.9999986525	2.1653923012
0	0	0
0.4551080169	0.9999986525	2.7533061321
0.2123195545	0.9999986525	0
0.336818305	0.9999986525	0
0.8139883232	0.9999986525	0
0.5202122082	0.9999986525	6.2159094018
0.7230255719	0.9999986525	238.3507737685
0.6982513209	0.9999986525	67.7471928352
0.969747201	0.9999986525	11.8851223589
0.5768478192	0.9999986525	20.8915815769
0.7596702259	0.9999986525	191.9274497322
0.7742695735	0.9999986525	39.9966563829
0.6466866522	0.9999986525	0
0.0298860014	0.9999986525	6.9209694963
0.0810324952	0.9999986525	2.6327975188
0.7156539194	0.9999986525	5.4188499839
0.8457245836	0.9999986525	6.9133923636
0.8465716157	0.9999986525	39.9595590276
0.7736199556	0.9999986525	0
0.6036127077	0.9999986525	0
0.3412808243	0.9999986525	2.9533030379
0.6312664098	0.9999986525	0
0.165586671	0.9999986525	0
0.4239714367	0.9999986525	21.0481102448
0.3318677571	0.9999986525	1036.7540904147
0.6384005035	0.9999986525	0

gene_expression_table

0	0	0
0.7764014086	0.9999986525	11.5782886211
0.6312664098	0.9999986525	0
0.445678097	0.9999986525	1.5234491133
0.335860788	0.9999986525	0
0.9684106664	0.9999986525	260.0917178005
0.4883606041	0.9999986525	0.9342560333
0.6112644115	0.9999986525	0
0.7182348945	0.9999986525	10.3531327079
0.575420113	0.9999986525	461.9451583902
0.6312664098	0.9999986525	0
0.8648300803	0.9999986525	8.7997531097
0.9304280452	0.9999986525	7.8979988375
0.774094233	0.9999986525	5.1475553827
0.6844757672	0.9999986525	0
0.4711323033	0.9999986525	40.7934486815
0.5031264478	0.9999986525	5.8791003591
0.1706366002	0.9999986525	11.5865732584
0.4729816619	0.9999986525	0
0.7455515425	0.9999986525	0
0.711681918	0.9999986525	18.5730935737
0.5205715091	0.9999986525	0.8846601861
0.2571055314	0.9999986525	10.0502223076
0.3276766108	0.9999986525	3.2158508328
0.0865171817	0.9999986525	0.7240564435
0.824618667	0.9999986525	0
0.122581746	0.9999986525	0.7315757733
0.8627206082	0.9999986525	44.3235046659
0.060165929	0.9999986525	0
0.6787706888	0.9999986525	11.2282442548
0.4012936766	0.9999986525	2.4261067677
0.6378787426	0.9999986525	7.1454650061
0.0537908357	0.9999986525	2.0773252921
0.9755804334	0.9999986525	10.838812059
0.7582564202	0.9999986525	4.6862394167
0.7582164464	0.9999986525	0
0.2603890577	0.9999986525	0.4886286682
0.1723092051	0.9999986525	0
0.0303087689	0.9999986525	2.7917284188
0.4829186361	0.9999986525	51.4316915168
0.5371391743	0.9999986525	39.5576950763
0.8553102866	0.9999986525	0.6928050979
0.0764535728	0.9999986525	0
0.2858296997	0.9999986525	2.362721703
0.0540439213	0.9999986525	0.7959857257
0.8152841669	0.9999986525	1.1659216351
0.2901193172	0.9999986525	0
0.5615505089	0.9999986525	0.3242027097
0.5984393818	0.9999986525	1.2966516468

gene_expression_table

0.6112731323	0.9999986525	0.0920343613
0.2649268485	0.9999986525	5.9588251118
0.8097121582	0.9999986525	0
0.4529215519	0.9999986525	4.4695060489
0.2916505459	0.9999986525	1.2205854391
0.5849654122	0.9999986525	2.5802534737
0.0179134606	0.9999986525	21.5642456594
0.5760734516	0.9999986525	1.7588028493
0.4769536998	0.9999986525	3.7704028718
0.2520920589	0.9999986525	8.0578627208
0.109330846	0.9999986525	7.4609980542
0.8964466585	0.9999986525	3.7654834823
0.1468219729	0.9999986525	24.0829540476
0.9574086261	0.9999986525	3.7081915553
0.7697732631	0.9999986525	0.4568885544
0.8311004902	0.9999986525	0
0.7210154348	0.9999986525	4.6194278165
0.3815805044	0.9999986525	5.1778351202
0.8384494899	0.9999986525	5.8998977724
0.4176057685	0.9999986525	0.7713777181
0.0255582586	0.9999986525	33.9891552942
0.7710820096	0.9999986525	0
0.3659191347	0.9999986525	4.5835965438
0.1878670551	0.9999986525	0.3783513831
0.6872736883	0.9999986525	64.9484544697
0.8828473767	0.9999986525	6.8038714596
0.4616758549	0.9999986525	0
0.7673814295	0.9999986525	6.2517955238
0.3413045023	0.9999986525	0
0.2566679808	0.9999986525	12.4922046541
0.3139074885	0.9999986525	4.1656830466
0.7632178126	0.9999986525	19.7079115217
0.2670846616	0.9999986525	56.7433985778
0.1252850474	0.9999986525	0
0.8305929454	0.9999986525	0
0.4729816619	0.9999986525	0
0.9448924112	0.9999986525	6.0522462538
0.3243619244	0.9999986525	0
0.3048384362	0.9999986525	0
0.2629837647	0.9999986525	0
0.4870143658	0.9999986525	0
0	0	0
0.1833516434	0.9999986525	0
0.2630990778	0.9999986525	216.4504845341
0.0674617366	0.9999986525	5823.0730352085
0.6400995704	0.9999986525	0
0.4729816619	0.9999986525	96.7287879603
0.5975326213	0.9999986525	0
0.8934875116	0.9999986525	0

gene_expression_table

0	0	0
0.5574487432	0.9999986525	42.0828033676
0	0	0
0.6400914532	0.9999986525	0
0.2671262295	0.9999986525	0
0.4074966293	0.9999986525	0
0.6400833283	0.9999986525	0
0.2410278045	0.9999986525	141.2136850971
0.9639059797	0.9999986525	3.051451844
0.5784344017	0.9999986525	4.4070359001
0.9417926013	0.9999986525	0
0.1017914574	0.9999986525	0
0.1563169283	0.9999986525	2.821557764
0.991323263	0.9999986525	30.7272039948
0.4894512186	0.9999986525	220.9076373687
0.3422566312	0.9999986525	0
0.6312664098	0.9999986525	0
0.2681120625	0.9999986525	0
0.0102590286	0.9999986525	6.1655286279
0	0	142.7403195306
0	0	0
0.8623129952	0.9999986525	0
0.5127389705	0.9999986525	0
0.6400751957	0.9999986525	0
0.6312664098	0.9999986525	0
0.3242500671	0.9999986525	0
0.6400670554	0.9999986525	0
0	0	0
0.083035169	0.9999986525	741.7685144145
0.0653642809	0.9999986525	0
0.6400589073	0.9999986525	0
0.1924179352	0.9999986525	0
0.4870157798	0.9999986525	0
0.3075114913	0.9999986525	0
0.6400507514	0.9999986525	0
0.675240439	0.9999986525	0
0.6098761915	0.9999986525	0
0	0	0
0.7477376201	0.9999986525	0
0.8237959601	0.9999986525	0
0.7572756953	0.9999986525	0
0.9038891727	0.9999986525	8.8867437702
0.8048070591	0.9999986525	12.0222896031
0.7827532512	0.9999986525	11.9922611776
0	0	0
0.4663675365	0.9999986525	0
0.1077411884	0.9999986525	2.384913896
0.9043314264	0.9999986525	1.5781365633
0.1705997813	0.9999986525	2.7414439775

gene_expression_table		
0.6312664098	0.9999986525	0
0.6114011817	0.9999986525	47.8067863888
0.3367964154	0.9999986525	0
0.0375623163	0.9999986525	0
0	0	0
0.7795173107	0.9999986525	0
0	0	0
0.692934467	0.9999986525	479.42356223
0.4442132617	0.9999986525	129.5164207185
0.8041181558	0.9999986525	106.3877489451
0.9191561881	0.9999986525	0
0.3367745977	0.9999986525	0
0.8121565378	0.9999986525	5.4556075573
0.8989038215	0.9999986525	6.255349784
0.152518963	0.9999986525	0
0.5279430513	0.9999986525	244.2262114511
0.5696177683	0.9999986525	209.0550929791
0.1140175576	0.9999986525	39.0780009074
0.4842299487	0.9999986525	6.6116572642
0.7903359401	0.9999986525	70.8031674335
0.1165170815	0.9999986525	52.2105957861
0.4064562349	0.9999986525	243.130018305
0.5088664245	0.9999986525	0
0.6576109298	0.9999986525	0
0.3125369941	0.9999986525	10.5972246253
0.6660936419	0.9999986525	151.4607892125
0.5669277132	0.9999986525	15.6532063504
0.3348455007	0.9999986525	23.2378916407
0.243690603	0.9999986525	3203.5997087142
0.3034471939	0.9999986525	20.9260720701
0.5935462032	0.9999986525	1328.1606654545
0.3367979258	0.9999986525	0
0.4319661379	0.9999986525	80.5090216864
0.5293936932	0.9999986525	8.621272972
0	0	0
0.1128181129	0.9999986525	16.7132652615
0.9864280424	0.9999986525	92.7862231664
0.2450265474	0.9999986525	8.3079940579
0.9465694067	0.9999986525	1402.9671311594
0.9514095858	0.9999986525	3562.5956673369
0.9223465747	0.9999986525	6.8006590557
0.2969472546	0.9999986525	6.5025755019
0.3041262027	0.9999986525	12.926634142
0.4535601143	0.9999986525	0
0.5815644304	0.9999986525	0
0.4019178729	0.9999986525	0
0.7336417674	0.9999986525	57.1991894148
0.6977441357	0.9999986525	56.5459509918
0.2808442824	0.9999986525	96.6933691437

gene_expression_table

0.9295398119	0.9999986525	0
0.209000459	0.9999986525	610.3975138979
0.2099309777	0.9999986525	3.0870889775
0.165432723	0.9999986525	28.9748556995
0.1559593411	0.9999986525	0
0.6489277269	0.9999986525	85.3558274365
0.3693452273	0.9999986525	41.7914288635
0.4309005724	0.9999986525	88.2122232365
0.278845883	0.9999986525	0
0.1624662765	0.9999986525	51.4880996601
0.3422689655	0.9999986525	0
0.6396090899	0.9999986525	0
0.6312664098	0.9999986525	0
0.4729816619	0.9999986525	0
0.1396467944	0.9999986525	32.7122441786
0.875969564	0.9999986525	172.440813443
0.898776222	0.9999986525	4.6468627184
0.0484934732	0.9999986525	56.9422298936
0.6395951205	0.9999986525	0
0.4724616049	0.9999986525	22.9401317087
0.7020456398	0.9999986525	137.6366054058
0.1313463706	0.9999986525	9.7084408504
0.1254465051	0.9999986525	195.6876344326
0.5429239325	0.9999986525	62.8737121742
0.8997764996	0.9999986525	402.7442239022
0.8936749751	0.9999986525	272.1665458712
0.3341744274	0.9999986525	0
0.1643222828	0.9999986525	14.7122174568
0.9682951831	0.9999986525	2.2056345052
0.7986858854	0.9999986525	0
0.7198946882	0.9999986525	113.1565166969
0.3025496341	0.9999986525	19.289232369
0.422831259	0.9999986525	63.887804306
0.1248520745	0.9999986525	16.5422587888
0.7407721787	0.9999986525	0
0.9299099546	0.9999986525	0
0	0	0
0.2694039052	0.9999986525	0
0.1126708459	0.9999986525	36.639579437
0.4451595761	0.9999986525	66.6842401847
0.5663729164	0.9999986525	0
0.2799449745	0.9999986525	20.650603412
0.8301052909	0.9999986525	0
0.5210726387	0.9999986525	47.9835719803
0.4753884256	0.9999986525	153.4651006991
0.2773981242	0.9999986525	74.038203121
0.659470576	0.9999986525	0
0.1015055748	0.9999986525	0
0	0	0

gene_expression_table

0.4682443963	0.9999986525	30.4402986895
0.9907446101	0.9999986525	0
0.9824907806	0.9999986525	9.5435341934
0.3910664435	0.9999986525	0
0.8871936137	0.9999986525	0
0.3422813017	0.9999986525	0
0.9095301223	0.9999986525	12.3224260911
0.6320516478	0.9999986525	49.7335466789
0.8178267826	0.9999986525	438.1339506805
0.895403794	0.9999986525	96.4307533517
0.503925128	0.9999986525	55.6815163166
0.1441817869	0.9999986525	0
0.8509977861	0.9999986525	0
0.32673388	0.9999986525	65.7809973238
0.3255194095	0.9999986525	0
0.9099202824	0.9999986525	0
0.8902606355	0.9999986525	0
0.7877451832	0.9999986525	42.7469997785
0.4930282767	0.9999986525	102.3525547022
0.7046815568	0.9999986525	0
0.3989555586	0.9999986525	37.5988976457
0.866168519	0.9999986525	7.3034827454
0.7724720705	0.9999986525	2491.6724400223
0.5681924403	0.9999986525	59.3525958715
0.0879969158	0.9999986525	39.4722856699
0.4359177176	0.9999986525	20.4837433328
0.4033106751	0.9999986525	136.581522567
0.2362816933	0.9999986525	0
0.0479538054	0.9999986525	130.2877552118
0.1558353016	0.9999986525	115.7766479858
0.5616530502	0.9999986525	0
0.5555387546	0.9999986525	755.7801692374
0.7100912261	0.9999986525	0
0.9045688578	0.9999986525	0
0.6526020449	0.9999986525	54.5316656957
0.7907117964	0.9999986525	4.2115242731
0.1200594084	0.9999986525	28.1843336542
0.6182694603	0.9999986525	13.7405042649
0.6345291764	0.9999986525	0
0.0146967225	0.9999986525	2564.5435271045
0.3077084378	0.9999986525	154.8227723747
0.6054639115	0.9999986525	6.0080106432
0.1759958556	0.9999986525	0
0.5988905907	0.9999986525	1693.0661055021
0.4729816619	0.9999986525	0
0.5603810076	0.9999986525	6.7480889576
0.5156465887	0.9999986525	163.8227002964
0.2040876823	0.9999986525	1.2354421911
0.7737030665	0.9999986525	51.3055354831

gene_expression_table

0.7616491716	0.9999986525	13.9161109472
0.9427075729	0.9999986525	0
0.9266259698	0.9999986525	2.8927245366
0.4035844757	0.9999986525	11.0240290194
0.9215958751	0.9999986525	1.8502201775
0.7013652122	0.9999986525	21.4574423996
0.9581498735	0.9999986525	8717.2909966148
0.2358864528	0.9999986525	0
0.8421690438	0.9999986525	0
0.4451486533	0.9999986525	4.7703201644
0.0954067445	0.9999986525	0
0.8273992052	0.9999986525	0
0	0	0
0.4332664227	0.9999986525	6.590730263
0.6264550159	0.9999986525	0
0.2599620064	0.9999986525	9.4181958444
0.3958838451	0.9999986525	0
0.6961873218	0.9999986525	4.398960372
0.6279067352	0.9999986525	0
0.5133642284	0.9999986525	0
0.7110428847	0.9999986525	0
0.7067934683	0.9999986525	15.2840162715
0.766018097	0.9999986525	7.8775304523
0.445640383	0.9999986525	379.65692078
0.9221730054	0.9999986525	33.9795429765
0.9050518658	0.9999986525	19.4080997553
0.7114205502	0.9999986525	3.2114835957
0.6021342873	0.9999986525	10.666189546
0.331771886	0.9999986525	44.4561601232
0.4740950624	0.9999986525	0
0.6476223782	0.9999986525	103.2361978687
0.9724737277	0.9999986525	189.9421628431
0.2953037741	0.9999986525	0
0.8713327841	0.9999986525	2.1050627058
0.6509616039	0.9999986525	5.1820264652
0	0	0
0.2519797557	0.9999986525	7.4364852473
0.1508955705	0.9999986525	31.0578760519
0.1305728296	0.9999986525	1.6130573806
0.9081415075	0.9999986525	2.2062992315
0.0714034426	0.9999986525	0
0.1956472467	0.9999986525	197.6742866242
0.2613887988	0.9999986525	0
0.5519199731	0.9999986525	42.7297073028
0.6335300217	0.9999986525	6.5194319499
0	0	0
0.2700509692	0.9999986525	0
0.6312664098	0.9999986525	0
0.6201159739	0.9999986525	0

gene_expression_table

0.9332162408	0.9999986525	0
0.2462165674	0.9999986525	28.0031379779
0.2078415166	0.9999986525	1.7939510267
0.4074204595	0.9999986525	0
0.0817929279	0.9999986525	13.7955380652
0	0	0
0.4462943287	0.9999986525	8.1835522276
0.0963498628	0.9999986525	6.9182497022
0.8410216597	0.9999986525	1.8875933532
0.2315529376	0.9999986525	19.1933064209
0.0451799796	0.9999986525	0
0.428253236	0.9999986525	0
0.3996627299	0.9999986525	4110.6187372556
0.9394205604	0.9999986525	2.5038362233
0.1916318797	0.9999986525	23.4059783213
0.7801769099	0.9999986525	142.9818429139
0.6559060406	0.9999986525	45.880011797
0.20212796	0.9999986525	3.2240961007
0.6716427874	0.9999986525	0
0.4729816619	0.9999986525	0
0.5062089909	0.9999986525	4.5244511459
0.3473329164	0.9999986525	199.7105037819
0.9187276249	0.9999986525	2.7884365759
0.95666384	0.9999986525	0
0.8636351028	0.9999986525	2.0375582837
0.1832126967	0.9999986525	0
0.4645206821	0.9999986525	383.8685758423
0.8448306999	0.9999986525	5.6460855155
0.1607921167	0.9999986525	369.0184336662
0.8506696006	0.9999986525	0
0.6312664098	0.9999986525	0
0.006722	0.9999986525	124.7818505052
0.8432103149	0.9999986525	25.8362812537
0.9396674585	0.9999986525	6.8718909929
0.5250134956	0.9999986525	69.3721937132
0.6436816114	0.9999986525	1.8965747918
0.7090698258	0.9999986525	212.8409711733
0.5138011687	0.9999986525	139.4558383946
0.1838157636	0.9999986525	6.4667464462
0.8296976079	0.9999986525	126.7171988292
0.2489938165	0.9999986525	13.6241243973
0.191467057	0.9999986525	791.2778582673
0.201300466	0.9999986525	6.2254135304
0.8938757837	0.9999986525	755.4656703373
0.258785772	0.9999986525	0
0.6515402091	0.9999986525	50.4623717049
0.7007955928	0.9999986525	16.5959730469
0.362683073	0.9999986525	0
0.4094058881	0.9999986525	0

gene_expression_table

0.1108434937	0.9999986525	12.7332585102
0.9295183821	0.9999986525	0
0.1547620062	0.9999986525	112.5006004046
0.3480022535	0.9999986525	108.2323967089
6.95E-05	0.3402364001	0
0.7077215466	0.9999986525	15.4694576063
0.4276235625	0.9999986525	30.124297414
0.9622006496	0.9999986525	46.2833390819
0.7668600238	0.9999986525	0
0.701596014	0.9999986525	69.9269499867
0.3251539598	0.9999986525	19.4657847139
0.0759962877	0.9999986525	26.0777277997
0.4884984835	0.9999986525	218.2082388607
0.2677751326	0.9999986525	12.7958406335
0	0	0
0.1872702779	0.9999986525	137.0197919437
0.806158703	0.9999986525	6099.963104735
0.8212281066	0.9999986525	83.6104246327
0.1971129115	0.9999986525	83.1387929576
0.5852222	0.9999986525	0
0.9189723866	0.9999986525	0
0.9818326254	0.9999986525	13.6214890003
0.1536453212	0.9999986525	0
0.6242684492	0.9999986525	5.8765148795
0.7911442975	0.9999986525	0.0957950494
0.8282802719	0.9999986525	1.1006470182
0.30755387	0.9999986525	0
0	0	0
0.4729816619	0.9999986525	0
0.4729816619	0.9999986525	0
0.4202028298	0.9999986525	0.6732175682
0.0133870022	0.9999986525	0.7064556539
0.493637188	0.9999986525	0
0.3646889839	0.9999986525	0
0.0351452006	0.9999986525	8.0096330229
0.0564237847	0.9999986525	0
0.4729816619	0.9999986525	0
0.6312664098	0.9999986525	0
0.2385324977	0.9999986525	0
0.7174858682	0.9999986525	161.974830673
0.1589977413	0.9999986525	5.7846569799
0.5300704547	0.9999986525	0.6986892211
0.941648024	0.9999986525	16.574168129
0.0558197071	0.9999986525	30.6602118323
0	0	0
0.8828790939	0.9999986525	6.0590739662
0.8891028345	0.9999986525	1.7440120935
0.5084557729	0.9999986525	20.847437942
0.7222724768	0.9999986525	0.3850533554

	gene_expression_table	
0.2128564132	0.9999986525	19.3736708174
0.1402016068	0.9999986525	4.420592038
0.8027364336	0.9999986525	0.4074236338
0.4729816619	0.9999986525	0
0	0	0
0	0	0
0	0	0
0.6312664098	0.9999986525	0
0.4708228508	0.9999986525	0
0.5978527655	0.9999986525	0.7443297615
0.1484458587	0.9999986525	5.0867859267
0.1401178825	0.9999986525	22.9426230349
0.9415703124	0.9999986525	15.1280277873
0.8480178454	0.9999986525	4.0909309238
0.5502216301	0.9999986525	1.4951708016
0.2773439149	0.9999986525	0.3181101421
0.9170016869	0.9999986525	501.0808180864
0.1094290886	0.9999986525	27.5626912713
0.3961676117	0.9999986525	9.2747814901
0.0999018688	0.9999986525	0.0265764371
0.5373586799	0.9999986525	0
0.7111259648	0.9999986525	0
0.008644	0.9999986525	1.7400330528
0.7994482517	0.9999986525	0.3574038088
0.0448837175	0.9999986525	0
0.5091947972	0.9999986525	2.7189332146
0.3275329881	0.9999986525	12.7176647626
0.7362389705	0.9999986525	0
0.4834097331	0.9999986525	0.3661219719
0	0	0
0.8558447059	0.9999986525	1.5330155359
0.1213683924	0.9999986525	0
0.3527794056	0.9999986525	0
0.831785732	0.9999986525	2.6586417431
0.2979520136	0.9999986525	8907.2877417456
0.6232583387	0.9999986525	9.5808351417
0.5902208908	0.9999986525	0
0.5190685553	0.9999986525	304.0136002794
0.8715183435	0.9999986525	21.4590072493
0.2699644066	0.9999986525	0
0.3800263622	0.9999986525	2.2613150803
0.4029985819	0.9999986525	0
0.1137472132	0.9999986525	0
0.7333025124	0.9999986525	0.7750226462
0.885474691	0.9999986525	5.8732706749
0.4567908393	0.9999986525	1.3394009339
0.7212376384	0.9999986525	0.4407385284
0.5759063627	0.9999986525	90.7715581088
0.8762477976	0.9999986525	3.3721917445

gene_expression_table

0	0	0
0.8654204851	0.9999986525	1.1418731779
0.6894750864	0.9999986525	0
0.9161280232	0.9999986525	5.4514779342
0.0962919658	0.9999986525	0
0.0331786336	0.9999986525	0.4783197851
0.3697387786	0.9999986525	0
0.6312664098	0.9999986525	0
0.7134073247	0.9999986525	0.509545854
0.6007944363	0.9999986525	5.956837643
0.7957329055	0.9999986525	64.4090025211
0.1591596016	0.9999986525	83.0407519282
0.4561688235	0.9999986525	2.4310875433
0.6400425875	0.9999986525	0
0.1081991237	0.9999986525	5.3506831697
0.0437834568	0.9999986525	0
0.1245783066	0.9999986525	8.0396678766
0.587603424	0.9999986525	0
0.2134028242	0.9999986525	1.2036262956
0.2104674619	0.9999986525	11.5617158989
0.5541739852	0.9999986525	0.7463387913
0.0717034125	0.9999986525	35.5968893909
0.1822399813	0.9999986525	8.457484976
0.6312664098	0.9999986525	0
0.6540449529	0.9999986525	16.0693471955
0.7267806592	0.9999986525	5.3933579333
0.947663769	0.9999986525	0.2632049628
0.7869424838	0.9999986525	40.4270653906
0.7436391458	0.9999986525	3.1360999125
0.2730523585	0.9999986525	3.5575309221
0.3788472074	0.9999986525	0.1425919468
0.1977459506	0.9999986525	7.8795738514
0	0	0
0.012790629	0.9999986525	0
0.147169562	0.9999986525	0
0.6202596649	0.9999986525	0
0.795434514	0.9999986525	6.1547509878
0.1814821998	0.9999986525	0
0.1043683498	0.9999986525	0
0.8983822611	0.9999986525	3.3228003716
0.0218059143	0.9999986525	2.1276202806
0.3064933093	0.9999986525	25.1540918462
0.9717890975	0.9999986525	0.4875190916
0.7786863224	0.9999986525	1.2655344929
0.563488417	0.9999986525	17.8781082498
0.3663864948	0.9999986525	0
0.8310504755	0.9999986525	0.5660974302
0.0291500092	0.9999986525	0
0.2919709353	0.9999986525	0

gene_expression_table

0.9740736439	0.9999986525	0.4006305099
0.9299321133	0.9999986525	0
0.6400344157	0.9999986525	0
0.9184573176	0.9999986525	4.6269700098
0.3603303561	0.9999986525	0
0.0566478538	0.9999986525	0.3736525397
0.9488639996	0.9999986525	0.755772959
0.7452797789	0.9999986525	18.2623747798
0.9758614514	0.9999986525	1.3593616346
0.2745631932	0.9999986525	0
0.5204622894	0.9999986525	6.7666775434
0.3211738513	0.9999986525	0
0.0327023566	0.9999986525	1.0317670194
0.9226307129	0.9999986525	1.2339268069
0.7110379166	0.9999986525	0
0.8243067661	0.9999986525	5.2508783849
0.207833914	0.9999986525	1.5846235479
0.0489978395	0.9999986525	7.3874475978
0.8676599942	0.9999986525	0.2287198021
0.728544482	0.9999986525	5.4949773659
0.5289736622	0.9999986525	0.3710692707
0.1681874456	0.9999986525	0
0.2244601913	0.9999986525	0
0.762872261	0.9999986525	0
0.217316655	0.9999986525	0
0.8691196401	0.9999986525	39.496885125
0.5701636471	0.9999986525	0
0.5199398437	0.9999986525	49.5905335458
0.408775356	0.9999986525	7.2324715698
0.3100706595	0.9999986525	2.548688265
0.9203586528	0.9999986525	0
0.7912874304	0.9999986525	0.3934994205
0.0938953807	0.9999986525	0.5864433834
0.7918722432	0.9999986525	5.0978685547
0.4073444098	0.9999986525	0
0.3477510548	0.9999986525	0
0.5149632824	0.9999986525	1.014579161
0.3778809758	0.9999986525	0.7670718295
0.2013244533	0.9999986525	13.6767943318
0.5147778082	0.9999986525	124.547775858
0.1935417148	0.9999986525	4.5679865268
0.1737119261	0.9999986525	0.3782635847
0.5008482439	0.9999986525	0
0.2517634046	0.9999986525	1.429837784
0.8655934977	0.9999986525	5.1278635868
0.4298936585	0.9999986525	0.9912475678
0.6412039942	0.9999986525	3.126563949
0.9334755424	0.9999986525	0
0.0501284355	0.9999986525	240.8060104766

gene_expression_table

0.1645744785	0.9999986525	16.579711772
0.9495894789	0.9999986525	0
0.300130697	0.9999986525	0.729181933
0.6395831326	0.9999986525	0
0.4949566078	0.9999986525	12.7724106956
0.8452486826	0.9999986525	2.2580906729
0.8102760018	0.9999986525	80.3406247976
0.6312664098	0.9999986525	0
0.4741507213	0.9999986525	30.8783870898
0.6400262358	0.9999986525	0
0.2810466741	0.9999986525	1.5911161458
0.3607196289	0.9999986525	1.7378144262
0.9517498788	0.9999986525	0
0.3199216881	0.9999986525	0
0.4650088846	0.9999986525	11.2439150314
0.0482757707	0.9999986525	7.4862389049
0.0442335238	0.9999986525	1.9300934177
0.2790480516	0.9999986525	0.423646719
0.6312664098	0.9999986525	0
0.0993653075	0.9999986525	0
0.0113123707	0.9999986525	0
0.7133493916	0.9999986525	0
0.6400180479	0.9999986525	0
0.7671100876	0.9999986525	11.0130604899
0.0320070675	0.9999986525	7.4036473297
0.1862354901	0.9999986525	0
0	0	0
0.8617391408	0.9999986525	0
0.9260539133	0.9999986525	0
0.9301033979	0.9999986525	0
0.6376177446	0.9999986525	0
0.1777016672	0.9999986525	0
0.1235702735	0.9999986525	21.6878747336
0.7523032132	0.9999986525	2.7965512057
0.0661784037	0.9999986525	11.2226770562
0.0302943126	0.9999986525	2.9981220254
0.3355404835	0.9999986525	103.5567024045
0.336016224	0.9999986525	0
0.5735351357	0.9999986525	15.6957386255
0.4956967019	0.9999986525	10.5824092041
0.5725564692	0.9999986525	2.5167461628
0.0702662752	0.9999986525	0
0.6400098519	0.9999986525	0
0.1824997133	0.9999986525	0
0.4995666018	0.9999986525	1.1816868511
0.892855747	0.9999986525	0
0	0	0
0	0	0
0.1436477944	0.9999986525	0

gene_expression_table

0.0465410097	0.9999986525	2.9192938549
0.8668971272	0.9999986525	0
0.6400016476	0.9999986525	0
0.3954852269	0.9999986525	0
0.8279263705	0.9999986525	6.6402771007
0.6312664098	0.9999986525	0
0.4072684798	0.9999986525	0
0.7031949911	0.9999986525	4442.2921872597
0.7944008835	0.9999986525	0
0.1028170411	0.9999986525	1.49483225
0.8628550101	0.9999986525	0
0.9216786301	0.9999986525	0
0.2367416561	0.9999986525	1.6134762541
0.0482080241	0.9999986525	1.1175065483
0.1313048191	0.9999986525	72.5408422771
0.7894770578	0.9999986525	0.7410607598
0.819853337	0.9999986525	0
0.0611120615	0.9999986525	9.3352042822
0.5402289693	0.9999986525	51.5898322076
0.9236186666	0.9999986525	0.2530189869
0.9308750547	0.9999986525	1.7899003436
0.088838108	0.9999986525	0.5758482061
0.0506940381	0.9999986525	2.3095119042
0.0301215291	0.9999986525	3.1070666094
0.167842804	0.9999986525	0
0.3683594168	0.9999986525	119.9277987405
0.8990150598	0.9999986525	0.1951921405
0.354876457	0.9999986525	0
0.6826247084	0.9999986525	8.0008965651
0.1007774333	0.9999986525	0
0.7533921271	0.9999986525	4.387162714
0.293568253	0.9999986525	368.4439955601
0.4835619501	0.9999986525	5.7785809255
0.0665643683	0.9999986525	0
0.1543004219	0.9999986525	110.2126841117
0.0456801163	0.9999986525	0
0.419233124	0.9999986525	6.4418564793
0.4317058991	0.9999986525	2.1808725621
0.9234377919	0.9999986525	1.3006889709
0.2265898437	0.9999986525	15.1334698883
0.0171314522	0.9999986525	2.6515673374
0.9392570223	0.9999986525	9.2807963144
0.7289538604	0.9999986525	0
0.6676213708	0.9999986525	5.1687138605
0.4297875911	0.9999986525	1.6995629357
0.5099273713	0.9999986525	3368.0517729126
0.8214976662	0.9999986525	0
0.9502745756	0.9999986525	0.3718766246
0.3943562063	0.9999986525	0

gene_expression_table

0.5779190979	0.9999986525	1.5937810102
0.5263780442	0.9999986525	0
0	0	0
0.6800399336	0.9999986525	23.4415970823
0.2537183485	0.9999986525	0.2439464486
0.9223035161	0.9999986525	2.8349920945
0.3634944499	0.9999986525	0.2945479391
0.6575960336	0.9999986525	0
0.2634068591	0.9999986525	1.0906896221
0.9067447748	0.9999986525	2.8255580465
0.9513724691	0.9999986525	3.8079637252
0.4878342846	0.9999986525	2.1521564069
0.6995351654	0.9999986525	10.7293816808
0.1813401885	0.9999986525	0
0.7078735562	0.9999986525	16.6096427165
0.685395212	0.9999986525	33.3685876655
0.1679618187	0.9999986525	3.4755907315
0.1136596022	0.9999986525	0
0.2698779482	0.9999986525	0
0.1722780911	0.9999986525	0
0.6102093498	0.9999986525	0
0	0	0
0.3454940176	0.9999986525	4.9201999447
0.73679161	0.9999986525	0
0.7893078479	0.9999986525	1.5651284565
0.92995423	0.9999986525	0
0.0426685116	0.9999986525	3.8283438967
0.0625222522	0.9999986525	2.2274485239
0.4002783735	0.9999986525	2.9597578024
0	0	0
0.5070999324	0.9999986525	0
0.6399934351	0.9999986525	0
0.2435650824	0.9999986525	12.1105063578
0.7341491417	0.9999986525	15.8814969858
0.355485408	0.9999986525	0
0.5863659889	0.9999986525	1.5659858928
0.12044948	0.9999986525	0.5014566727
0.7381279711	0.9999986525	1.5707987219
0.7113265836	0.9999986525	5.4965421883
0.9986424141	0.9999986525	0
0.5917437099	0.9999986525	1.0979187635
0.4689936359	0.9999986525	2.9975548116
0.0255310718	0.9999986525	3.0271978484
0.4838081795	0.9999986525	0.2305962408
0.8192353834	0.9999986525	2.700995639
0.5963149222	0.9999986525	0.8985473608
0.9360845898	0.9999986525	6.808330043
0.976962578	0.9999986525	1.1331959267
0.1751266841	0.9999986525	1.6003571035

gene_expression_table

0.6603104399	0.9999986525	31.7658596333
0.6062408911	0.9999986525	0
0.301206545	0.9999986525	14.7568879628
0.2938785647	0.9999986525	1.0945662935
0.2064692091	0.9999986525	1.9161859889
0.2473403391	0.9999986525	19.7712375204
0.6613681845	0.9999986525	12.6551933066
0.2836168631	0.9999986525	57.0190750082
0.2442064603	0.9999986525	33.8629692521
0.6278787962	0.9999986525	433.5963302535
0.2920059191	0.9999986525	125.6844246368
0.3564747569	0.9999986525	0
0.9646122157	0.9999986525	7.7882412451
0.3980754827	0.9999986525	0
0.6312664098	0.9999986525	0
0.1042751976	0.9999986525	3.7764689472
0.5963220314	0.9999986525	0.7328701126
0.4850384193	0.9999986525	0
0.5981669036	0.9999986525	0
0.6485779051	0.9999986525	4.5086151807
0.3079313236	0.9999986525	0
0.1073911564	0.9999986525	0
0	0	0
0.4925841324	0.9999986525	32.3176211884
0.0241605753	0.9999986525	14.5935115298
0.3405115533	0.9999986525	0.3496159534
0.4467800107	0.9999986525	44.8550688381
0.8352267386	0.9999986525	2.4506481475
0.6312664098	0.9999986525	0
0.9677896046	0.9999986525	0
0.1289178185	0.9999986525	0.1915963542
0.0650469077	0.9999986525	87.0490764267
0.8075980241	0.9999986525	13.1064915193
0.2998264729	0.9999986525	0
0.1359265004	0.9999986525	0
0.497714726	0.9999986525	11.9003871623
0.9175410652	0.9999986525	0.9024472127
0.6484675983	0.9999986525	223.2717526862
0.1456156208	0.9999986525	2.8489544841
0.1243722829	0.9999986525	138.96875753
0.8241968538	0.9999986525	0
0.3442314228	0.9999986525	0
0.5024292345	0.9999986525	7.7855295457
0.7582961404	0.9999986525	2.2546925472
0.9439893233	0.9999986525	1.183558215
0.7733974871	0.9999986525	13.2522921661
0.1768875511	0.9999986525	3.5586495672
0.7938582725	0.9999986525	31.8780251856
0.073557232	0.9999986525	9.1837515174

gene_expression_table

0.4817015056	0.9999986525	58.9550715084
0.8954271926	0.9999986525	7.2706840187
0.9368258704	0.9999986525	0
0.3933638262	0.9999986525	0
0.6199748465	0.9999986525	0
0.6223452818	0.9999986525	0
0.0533197547	0.9999986525	6.1271416017
0.4599577615	0.9999986525	0
0.1688007831	0.9999986525	12.8688884567
0.2175163368	0.9999986525	1290.5289163038
0.6030327866	0.9999986525	1.290032199
0.3727849069	0.9999986525	3.418130764
0.6416011123	0.9999986525	33.3927151153
0.288462436	0.9999986525	65.100078495
0.0715465804	0.9999986525	3.5993596423
0.3552305115	0.9999986525	106.8128545369
0.2972607917	0.9999986525	8.4857993872
0.3841967155	0.9999986525	6.3443952461
0.7148845522	0.9999986525	14.7122174568
0.5420678191	0.9999986525	1.8942280088
0.7007998554	0.9999986525	41.821339888
0.2899021415	0.9999986525	0.6003969559
0.8411284826	0.9999986525	12.5966189159
0.6248607638	0.9999986525	0.163755117
0	0	0
0.847376904	0.9999986525	4.5833479325
0.1503080738	0.9999986525	44.9982795474
0.8307007428	0.9999986525	0
0.0180300407	0.9999986525	0
0.0261253817	0.9999986525	3.85460849
0.003287	0.9999986525	21.7779375074
0.284795121	0.9999986525	1.7744823515
0.4732702312	0.9999986525	6.643037327
0.2184003423	0.9999986525	2.668897259
0.9109050764	0.9999986525	7492.4203621575
0.0236084885	0.9999986525	0
0.5548807357	0.9999986525	4.0613594453
0.9165431016	0.9999986525	3.9196426416
0.3598499873	0.9999986525	0
0.0570921892	0.9999986525	19.370591684
0.5621762866	0.9999986525	5.5328603244
0.5089599221	0.9999986525	25.3321520888
0.765675698	0.9999986525	37.1295425975
0.3651390424	0.9999986525	3.8260789326
0.5317113576	0.9999986525	0
0.1566986199	0.9999986525	8.1040230515
0.4576965066	0.9999986525	211.449202684
0.7097096873	0.9999986525	9.5045229088
0.8461932056	0.9999986525	47.9338007932

gene_expression_table

0.6089582975	0.9999986525	0
0.1174616989	0.9999986525	22.7960627703
0.2521532582	0.9999986525	16.3687953592
0.8463498905	0.9999986525	0
0.0161785427	0.9999986525	88.1995962363
0.7174116871	0.9999986525	14.2717176205
0.3368211778	0.9999986525	0
0.0737240949	0.9999986525	28.9539407695
0.1813119101	0.9999986525	3.9946992078
0.4538206859	0.9999986525	2.4988842312
0.2771190428	0.9999986525	8.3683458705
0.753529848	0.9999986525	0.4427206584
0.6461572079	0.9999986525	2.6332788426
0.6685644226	0.9999986525	0.3532609042
0.3422936397	0.9999986525	0
0.4287973293	0.9999986525	288.6356959174
0.2465524274	0.9999986525	1.9676217136
0.3487206576	0.9999986525	0
0.2816379341	0.9999986525	4.0559012576
0.7088383495	0.9999986525	51.4254315738
0.824517722	0.9999986525	0
0.807270377	0.9999986525	1.147081322
0.4319549086	0.9999986525	11.3691163594
0.8640445658	0.9999986525	0
0.0103162315	0.9999986525	1.1118719627
0.917712536	0.9999986525	0.3526617491
0.2554233407	0.9999986525	0
0.1829236001	0.9999986525	62.2438635549
0.7822040976	0.9999986525	0.6383426589
0.8215988652	0.9999986525	2.4368812553
0.2882239396	0.9999986525	0
0.2806431955	0.9999986525	28.1511579406
0.6312664098	0.9999986525	0
0.4999196684	0.9999986525	423.710135462
0.3132964626	0.9999986525	0.4462594909
0.468890209	0.9999986525	1.5157248946
0.2364880554	0.9999986525	19.0124673481
0.411476053	0.9999986525	18.271551021
0.6779476705	0.9999986525	63.3962083972
0.8535800783	0.9999986525	1.6456420122
0.4611551913	0.9999986525	67.8045315062
0.967362207	0.9999986525	2.2295642615
0.4968881934	0.9999986525	0
0.6312664098	0.9999986525	0
0.6395711862	0.9999986525	0
0.281569868	0.9999986525	0.4374149479
0.3365342242	0.9999986525	0
0.8283849696	0.9999986525	0.5750581791
0.008366	0.9999986525	424.9667090181

gene_expression_table

0.3208092107	0.9999986525	0
0.6143638592	0.9999986525	0
0.2795304025	0.9999986525	4.5384479012
0.1007522785	0.9999986525	296.4616740411
0.7210715505	0.9999986525	362.1185003821
0.5297455039	0.9999986525	7.6879884846
0.30755387	0.9999986525	0
0.2414997354	0.9999986525	2.5152838581
0.3310382233	0.9999986525	0
0.1473764774	0.9999986525	0
0.8046033353	0.9999986525	0
0.7804730093	0.9999986525	0
0.6428688994	0.9999986525	0
0.6399769851	0.9999986525	0
0.3357235662	0.9999986525	17.8304923114
0.9721781619	0.9999986525	119.5271346861
0.4995790015	0.9999986525	281.9750038778
0.3727878338	0.9999986525	78.0501254576
0.7510586141	0.9999986525	16.3662591343
0.6245749788	0.9999986525	0
0.008664	0.9999986525	0.3839281068
0.5878588946	0.9999986525	24.5387971183
0.7409335523	0.9999986525	0.4523727742
0.488259013	0.9999986525	0.1002972388
0.3726436419	0.9999986525	1.3998971089
0.6495808848	0.9999986525	0
0.8384233905	0.9999986525	0
0.6960531945	0.9999986525	0
0.7190406122	0.9999986525	0
0.425113516	0.9999986525	0
0.8128759137	0.9999986525	1.0343197561
0.5871875893	0.9999986525	11.3863999051
0.3462753291	0.9999986525	3.1668336547
0.7256575535	0.9999986525	3.889525222
0.0108690837	0.9999986525	0
0.2332916707	0.9999986525	224.8494268241
0.7643172224	0.9999986525	24.1901963936
0.4729816619	0.9999986525	0
0.30755387	0.9999986525	0
0.4080896095	0.9999986525	170.2644955916
0.8918410791	0.9999986525	3.395811108
0.4005689208	0.9999986525	17.6200569586
0.9494628378	0.9999986525	1.0663446581
0.4528226283	0.9999986525	6.5088530216
0.7050098457	0.9999986525	25.3321520888
0.8705924279	0.9999986525	0
0.8418886527	0.9999986525	1.935266926
0.30755387	0.9999986525	0
0.0248096448	0.9999986525	3.3785231318

gene_expression_table

0.6769574328	0.9999986525	15.6447509078
0.4050550325	0.9999986525	1.0677027843
0.9993203995	0.9999986525	0.8005019738
0.4845669345	0.9999986525	4.1267966546
0.9422353826	0.9999986525	0
0.545454642	0.9999986525	0.2656172543
0.7903975421	0.9999986525	0
0.0504620273	0.9999986525	0
0.4729816619	0.9999986525	0
0.8746869024	0.9999986525	13.4639223036
0.6350421984	0.9999986525	10.066313084
0.8706308722	0.9999986525	4.2631980271
0.1930514496	0.9999986525	0.2130675998
0.2201148416	0.9999986525	1.140332255
0.9299198869	0.9999986525	0
0.6794138949	0.9999986525	1.1553116819
0.5483565878	0.9999986525	7.4412001728
0.7668961619	0.9999986525	2.5041482828
0.0869984651	0.9999986525	193.5588626095
0.2714182374	0.9999986525	0.0727583698
0.0463339364	0.9999986525	37.3800931139
0.2964671667	0.9999986525	0
0.1835029244	0.9999986525	27.1606676402
0.1901528641	0.9999986525	134.2201753438
0.0116114119	0.9999986525	47.856033188
0.2765428872	0.9999986525	0.1164785084
0.6866856173	0.9999986525	5.9626886249
0.4062528265	0.9999986525	2.1807712539
0.5758546106	0.9999986525	4.2946873939
0.2942813692	0.9999986525	1395.8847574033
0.5107856256	0.9999986525	0
0.1539579913	0.9999986525	3.1363425844
0.7969109485	0.9999986525	0
0.3539760949	0.9999986525	0
0.7553391059	0.9999986525	0
0.8672940747	0.9999986525	21.6488509448
0.9836589314	0.9999986525	18.4599504461
0.311693834	0.9999986525	0
0.2007590221	0.9999986525	299.6451028526
0	0	0
0.4231307756	0.9999986525	51.5180413403
0.3752153494	0.9999986525	45.7516202495
0.6312664098	0.9999986525	0
0.5929347068	0.9999986525	69.4767615343
0.6976901431	0.9999986525	155.9702264748
0.1596597116	0.9999986525	2.5750576908
0.0181882512	0.9999986525	19.803672173
0.5889435107	0.9999986525	3020.0313905612
0.6515897622	0.9999986525	179.0470907004

gene_expression_table

0.9960315213	0.9999986525	29.0409756001
0.183208467	0.9999986525	16.0577434559
0.650585018	0.9999986525	9.0004448821
0	0	0
0.0811658415	0.9999986525	58.9441051633
0.2503502727	0.9999986525	0
0.5997990923	0.9999986525	1.2026591659
0.6790737057	0.9999986525	0.2870009685
0.2083913121	0.9999986525	0
0.9410717474	0.9999986525	0
0.8735117859	0.9999986525	18.0993551153
0.3224119953	0.9999986525	0
0.5890232686	0.9999986525	17.6654292683
0.8090945968	0.9999986525	52.5551850078
0.3556026623	0.9999986525	0
0.9328345879	0.9999986525	2.8562099336
0.8748627852	0.9999986525	0
0.789585328	0.9999986525	203.7108274443
0.3359278293	0.9999986525	2.3199612663
0.8410253062	0.9999986525	4.5886907194
0	0	0
0.4071457558	0.9999986525	0
0.7627565222	0.9999986525	0
0.1058565746	0.9999986525	77.123128251
0.8490908098	0.9999986525	14.8328703663
0.1454805395	0.9999986525	6.4029288379
0.2128070945	0.9999986525	188.8510688304
0.9393028999	0.9999986525	0
0.565906017	0.9999986525	19.5259975696
0.5626190186	0.9999986525	7730.8990577869
0.4729816619	0.9999986525	0
0.6395592809	0.9999986525	0
0.2682369802	0.9999986525	0
0	0	0
0.4729816619	0.9999986525	0
0.6312664098	0.9999986525	0
0.8052584862	0.9999986525	1.2208770019
0.9503741735	0.9999986525	5.6702581248
0.5459106281	0.9999986525	4.0322124161
0.9371898735	0.9999986525	1.926671466
0.7941705448	0.9999986525	0
0.4255445408	0.9999986525	2.3060832341
0.0532634512	0.9999986525	0
0.1895370918	0.9999986525	0
0.8547965604	0.9999986525	4.6946463821
0.7813730876	0.9999986525	31.740600848
0.4557321667	0.9999986525	9.0254488567
0.5984456088	0.9999986525	10.6289488519
0.28631197	0.9999986525	1.3613588923

gene_expression_table

0.1195052767	0.9999986525	25.7646823879
0.4582713183	0.9999986525	3.2658134232
0.4661393733	0.9999986525	36.7784945866
0.001553	0.9999986525	40.116914718
0.6143057484	0.9999986525	1.7407642916
0.813739167	0.9999986525	0
0.7488100631	0.9999986525	0
0.2539233117	0.9999986525	0.4163034291
0.4661639393	0.9999986525	32.2277258752
0.3411417934	0.9999986525	21.7094480652
0.003683	0.9999986525	0
0.7535834202	0.9999986525	291.0086804032
0.3422387866	0.9999986525	0
0.8621667525	0.9999986525	0
0.5816804083	0.9999986525	18.0558199575
0.8079207606	0.9999986525	4.9398043517
0.3823797534	0.9999986525	16.2671206036
0.2070733565	0.9999986525	0
0.2072487387	0.9999986525	62.5263435986
0.8553102999	0.9999986525	50.4568619604
0.6587356268	0.9999986525	0
0.9980771668	0.9999986525	19.0389034702
0.6595366255	0.9999986525	0
0.3418474269	0.9999986525	0
0.0306644445	0.9999986525	1.3629749987
0.1630135946	0.9999986525	88.3098166241
0.507580262	0.9999986525	194.6523532596
0.1171804199	0.9999986525	23.0055835807
0.1886393725	0.9999986525	0
0.9028901657	0.9999986525	27.1687081764
0.6213911013	0.9999986525	13.7045522482
0.0247908661	0.9999986525	4.7637614982
0.5718301909	0.9999986525	1.5803087441
0.1102448693	0.9999986525	18.0703267887
0.0977807096	0.9999986525	0.9223205307
0.9968020164	0.9999986525	0
0.0129948158	0.9999986525	8.3580753365
0.4053143547	0.9999986525	0
0.0267199663	0.9999986525	3.85167554
0.3984911129	0.9999986525	0
0.6312664098	0.9999986525	0
0.0622330059	0.9999986525	5.3196936167
0.1522568123	0.9999986525	6.6243730529
0.141750896	0.9999986525	114.5491974799
0.0863747225	0.9999986525	1.9971230186
0.56221904	0.9999986525	260.1403873641
0.7250967773	0.9999986525	0
0.739828725	0.9999986525	0
0.5965587716	0.9999986525	1214.1130626738

gene_expression_table

0.536898178	0.9999986525	104.8577870788
0.4114962586	0.9999986525	0
0.50214658	0.9999986525	0
0.1440880612	0.9999986525	5.9554270569
0.1261602021	0.9999986525	0
0.7340149004	0.9999986525	0
0.6116455576	0.9999986525	39.6455096975
0.0195045238	0.9999986525	0
0.1896152973	0.9999986525	0
0.6121599926	0.9999986525	0
0.9037568328	0.9999986525	0
0.7289961201	0.9999986525	0.9995158589
0.9834057416	0.9999986525	5.6451444
0.463465638	0.9999986525	1.2668550031
0.1301583696	0.9999986525	0
0.8115974832	0.9999986525	2.6621092526
0.4265019426	0.9999986525	6.1658485411
0.4070845659	0.9999986525	0
0.6399687474	0.9999986525	0
0.4729816619	0.9999986525	0
0.7568250341	0.9999986525	0
0.1240148457	0.9999986525	1.2010806474
0.3327060685	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0.4570010397	0.9999986525	6.3055371697
0.4562049808	0.9999986525	4.7561538942
0.5985680651	0.9999986525	0.3930381975
0.9997635868	0.9999986525	67.5894561148
0.30755387	0.9999986525	0
0.1515714138	0.9999986525	0
0.9544632035	0.9999986525	0
0.6369450152	0.9999986525	2.3582379597
0.5126359087	0.9999986525	0
0.2470758724	0.9999986525	0
0.3510959979	0.9999986525	0.4296630005
0.8991768821	0.9999986525	0
0.0263742184	0.9999986525	0
0.0204051376	0.9999986525	2.4881856803
0.5767107736	0.9999986525	35.0581392837
0.8919490153	0.9999986525	5.5994400155
0.9386094755	0.9999986525	1.3580508422
0.5281025252	0.9999986525	12.5548141584
0.9294754406	0.9999986525	0
0.4301674295	0.9999986525	1.2723486046
0.1130841827	0.9999986525	0
0.4971577321	0.9999986525	3.5640529221
0.3155704634	0.9999986525	7.0659559919
0.197848822	0.9999986525	17.1186596812

gene_expression_table

0.7932016426	0.9999986525	0
0.4504777535	0.9999986525	0.4100968927
0.003111	0.9999986525	9.481001387
0.192017961	0.9999986525	0.427269418
0.4729816619	0.9999986525	0
0	0	0
0.9225036484	0.9999986525	1.7481684892
0.5899661918	0.9999986525	0.1563388409
0.8977374343	0.9999986525	2.6154826585
0.5570799434	0.9999986525	90.002416859
0.2362639757	0.9999986525	2.4311696104
0.7567204605	0.9999986525	0
0.8527009984	0.9999986525	0
0.6312664098	0.9999986525	0
0.656809971	0.9999986525	1.5417721297
0.5664525457	0.9999986525	2.8696198335
0.9149183542	0.9999986525	68.7208500932
0.7970635305	0.9999986525	12.5441860841
0.8241082904	0.9999986525	0
0.624295257	0.9999986525	0.3919283897
0.2570352428	0.9999986525	0
0.9530630304	0.9999986525	0
0.792133439	0.9999986525	13.0759886671
0.1416472026	0.9999986525	335.8762623823
0.504930701	0.9999986525	113.0919019835
0.3572793591	0.9999986525	76.8412013841
0.8411361276	0.9999986525	0
0	0	0
0.0826301229	0.9999986525	22.8904185616
0.0242336779	0.9999986525	124.7934891556
0.8858110438	0.9999986525	3.5728533504
0.5521813798	0.9999986525	7.6630757728
0.3718281029	0.9999986525	1.6096406152
0.6615099293	0.9999986525	6.2509075898
0.423162128	0.9999986525	19.7403581581
0.9936739479	0.9999986525	0
0.9648794129	0.9999986525	0.9718623967
0.2864271649	0.9999986525	0
0.9690914711	0.9999986525	0
0.4069625223	0.9999986525	0
0.7358865974	0.9999986525	3.6181351118
0.9595542334	0.9999986525	19.3961371691
0.5556539018	0.9999986525	0
0.3228635304	0.9999986525	14.1198583644
0.672318722	0.9999986525	211.8423131571
0.0812701961	0.9999986525	280.8946046987
0.7281141317	0.9999986525	0
0.2344511068	0.9999986525	8.2592725352
0.9087854602	0.9999986525	18.0037219111

gene_expression_table

0.7567051535	0.9999986525	0
0.7111738963	0.9999986525	47.7152074838
0.1595241698	0.9999986525	12.2765965194
0.4689159432	0.9999986525	0
0.1442034895	0.9999986525	0
0.0918670679	0.9999986525	5.057351166
0.4418668332	0.9999986525	0
0.4411038781	0.9999986525	0
0.4930187986	0.9999986525	26.8663741104
0.1001908339	0.9999986525	0
0.1528437244	0.9999986525	1.8587287332
0.9099817962	0.9999986525	89.0622567054
0.3833385795	0.9999986525	197.9532167403
0.0333837622	0.9999986525	0
0.8137034411	0.9999986525	37.2482770972
0.3445547933	0.9999986525	0
0.7686404212	0.9999986525	32.2036086746
0.0794931022	0.9999986525	52.04196245
0.326002344	0.9999986525	528.8947461862
0.9526936719	0.9999986525	0
0.2231631965	0.9999986525	8.9257931767
0.3007427974	0.9999986525	112.7470044477
0.7293179667	0.9999986525	2.3614539784
0.7316634432	0.9999986525	408.5054448444
0.0733292421	0.9999986525	21.445824943
0.5798732421	0.9999986525	2006.0535237894
0.1951227671	0.9999986525	0
0.9196155675	0.9999986525	19.0457692846
0.7823785524	0.9999986525	22.1689876422
0.1201081472	0.9999986525	0
0.9820494535	0.9999986525	96.4179900437
0.7787109233	0.9999986525	0
0	0	0
0	0	0
0.172690281	0.9999986525	50.5235187114
0.5324771632	0.9999986525	21.6805904049
0.0697390156	0.9999986525	7.6853780888
0.2648662305	0.9999986525	7.09102017
0.6312664098	0.9999986525	0
0.1668838817	0.9999986525	76.3856227537
0.6926533894	0.9999986525	105.8232023647
0.654821815	0.9999986525	31.3948094673
0.4481326231	0.9999986525	77.1146825717
0.9833766283	0.9999986525	0
0.3368674518	0.9999986525	0
0.2865802249	0.9999986525	1.8053918698
0	0	0
0.2766944735	0.9999986525	3.1487460935
0.4560629902	0.9999986525	3.4830784295

gene_expression_table

0.9317239415	0.9999986525	24.9421732994
0.5601175697	0.9999986525	6.1021280446
0.5267040439	0.9999986525	0
0.6276945538	0.9999986525	152.1756965843
0.4389528929	0.9999986525	0
0.1579307172	0.9999986525	0
0.9200732415	0.9999986525	15.2017495326
0.3537663061	0.9999986525	0
0.6974905102	0.9999986525	0
0.1198753067	0.9999986525	0
0.2259295023	0.9999986525	0
0.2301763719	0.9999986525	0.2001467289
0.7378014351	0.9999986525	0.9634646074
0.9589422865	0.9999986525	0
0.2658761836	0.9999986525	4.2188695312
0.2562613299	0.9999986525	3.1697860294
0.4568752578	0.9999986525	8.1274688724
0.9027691104	0.9999986525	6.4232926786
0.6685695693	0.9999986525	268.3913254668
0.30755387	0.9999986525	0
0.71531788	0.9999986525	0
0.9744761676	0.9999986525	1.9391454181
0.2448408099	0.9999986525	0.091073711
0.3370729722	0.9999986525	1.5860670565
0.6641525639	0.9999986525	2.0329678845
0.9138518348	0.9999986525	1.6060184956
0.3849321829	0.9999986525	0
0.3548863302	0.9999986525	0.1938417091
0.3264664501	0.9999986525	0.3307919893
0.3932441747	0.9999986525	26.0750942769
0.0587225987	0.9999986525	12.6929412529
0.8310485059	0.9999986525	11.9380466154
0.0455759267	0.9999986525	9.6682306082
0.3191669193	0.9999986525	0
0.5566379105	0.9999986525	7.8664717785
0.710337604	0.9999986525	0
0.1524887164	0.9999986525	0
0.2238221711	0.9999986525	7.2511729562
0.7094149473	0.9999986525	6.0928356783
0.6312664098	0.9999986525	1.8474479484
0.4234541747	0.9999986525	7.3690411925
0.8507194778	0.9999986525	24.571143665
0.3421840084	0.9999986525	0
0.1879819872	0.9999986525	4.5734255478
0.0285136737	0.9999986525	34.6320775254
0.5616557481	0.9999986525	31.0305042458
0.8860593522	0.9999986525	0.1173790003
0.3605294393	0.9999986525	0
0.0715214321	0.9999986525	1.1535872984

gene_expression_table

0.2753968619	0.9999986525	3.9078000907
0.3246525948	0.9999986525	0
0.4471562367	0.9999986525	0
0.6986464351	0.9999986525	0.4374511785
0.0892934459	0.9999986525	0.540223993
0.2738006077	0.9999986525	0
0.9304858619	0.9999986525	2.1871834276
0.5325745944	0.9999986525	4.6531266609
0.2876748507	0.9999986525	0.1908727533
0.6399605013	0.9999986525	0
0.6098761915	0.9999986525	0
0.2090127879	0.9999986525	15.8378403318
0.1004596157	0.9999986525	6.3623561289
0.735783533	0.9999986525	0
0.127021059	0.9999986525	3.3342821751
0.684141227	0.9999986525	0
0.0110116893	0.9999986525	10.6191468091
0.6399522465	0.9999986525	0
0.7842758518	0.9999986525	0
0.5468192984	0.9999986525	1.4725343843
0.130643658	0.9999986525	2.1153913535
0.0089	0.9999986525	95.5811912401
0.9719047343	0.9999986525	125.972375018
0.9359948725	0.9999986525	2.8775611591
0.890906284	0.9999986525	3.986758459
0.5876169979	0.9999986525	8.994961803
0.9157602696	0.9999986525	20.8727093261
0.4854370708	0.9999986525	183.5941537415
0.5517736115	0.9999986525	0
0.2102963838	0.9999986525	0
0.543712117	0.9999986525	0
0.2195048353	0.9999986525	10.8314024254
0	0	0
0.2919741185	0.9999986525	5.1569377255
0.5311375683	0.9999986525	814.655121968
0.3896935123	0.9999986525	9.3674917039
0.6099728088	0.9999986525	0
0.6444136691	0.9999986525	6.7982349144
0.1984250215	0.9999986525	4.2286655372
0.042833308	0.9999986525	0
0.773285972	0.9999986525	0.5147605554
0.9755064739	0.9999986525	0.9786335766
0.9503648516	0.9999986525	0
0.983371746	0.9999986525	1.4531174838
0.1264105631	0.9999986525	4.3208991505
0.4247417345	0.9999986525	12.7392916182
0.2558549354	0.9999986525	3.2395214517
0.189192496	0.9999986525	3.8847093287
0.6399439832	0.9999986525	0

gene_expression_table

0.3964508665	0.9999986525	3.3398346265
0.4069016698	0.9999986525	0
0.8159399992	0.9999986525	0.9749001955
0	0	0
0.9711882795	0.9999986525	2.595990227
0.8019222491	0.9999986525	8.4343328845
0.8621810206	0.9999986525	0
0.74806378	0.9999986525	3.7305868635
0.9679601841	0.9999986525	0.3249307442
0.2319726405	0.9999986525	0
0.8774671819	0.9999986525	6.8210801364
0.6399357111	0.9999986525	0
0.3808654804	0.9999986525	0
0.2205746486	0.9999986525	0.2760544971
0.4828992323	0.9999986525	0
0.3258594054	0.9999986525	2.0177494101
0.9298269027	0.9999986525	8.7046343632
0.7289084631	0.9999986525	0
0.4977035196	0.9999986525	0
0.8226109377	0.9999986525	2.9069748033
0.3189966154	0.9999986525	30.3092787525
0.9569093051	0.9999986525	0
0.7136976814	0.9999986525	36.4578742046
0.742975146	0.9999986525	29.1662993637
0.6399274303	0.9999986525	0
0.3079313236	0.9999986525	0
0.6994903007	0.9999986525	3.9960204632
0.686297574	0.9999986525	2.9081867765
0.4068409297	0.9999986525	0
0.4067803018	0.9999986525	0
0.7290190311	0.9999986525	0.8433023548
0.2857631491	0.9999986525	0
0.9320214295	0.9999986525	0
0.589030418	0.9999986525	0.3515069433
0.6057493603	0.9999986525	7.9776922489
0.0514940742	0.9999986525	0.9067856777
0.9790634322	0.9999986525	1.0577910057
0.8715523472	0.9999986525	17.7955175193
0.8982763539	0.9999986525	61.0800904699
0	0	0
0.705949684	0.9999986525	1.7089907666
0.4089408376	0.9999986525	3.4907042012
0.5867752109	0.9999986525	2.6421490933
0.6242051031	0.9999986525	0
0.4951533907	0.9999986525	0
0.4729816619	0.9999986525	0
0.3938780349	0.9999986525	17.9165195641
0.6163674508	0.9999986525	21.423593277
0.267536928	0.9999986525	90.0899668721

gene_expression_table

0.7234453455	0.9999986525	0.2570846025
0.1831740105	0.9999986525	29.9364687826
0.6391292475	0.9999986525	0
0.8418068752	0.9999986525	0
0.8198896713	0.9999986525	4.6505453464
0.1658997533	0.9999986525	0
0.2007431219	0.9999986525	112.7390701054
0.3409720412	0.9999986525	0
0.8792869546	0.9999986525	24.1846577815
0.9995379596	0.9999986525	0
0	0	0
0.9340755774	0.9999986525	0
0.878625452	0.9999986525	0
0.6033217694	0.9999986525	0
0.4729816619	0.9999986525	0
0.7106720935	0.9999986525	0
0.8153442425	0.9999986525	101.9037187317
0.2046166809	0.9999986525	54.2181687982
0	0	0
0.4360833008	0.9999986525	0
0.2220472467	0.9999986525	0
0.1043565325	0.9999986525	47.8290666167
0.5724646553	0.9999986525	17.5267427742
0.5864511964	0.9999986525	0
0.61076353	0.9999986525	0.4731370054
0.718898592	0.9999986525	1.0383971653
0.7794790015	0.9999986525	0.2747262213
0.496962418	0.9999986525	0
0.2738646449	0.9999986525	4.1047219629
0.6282571468	0.9999986525	4.0998759152
0.5406953062	0.9999986525	20.6006624123
0.8726019896	0.9999986525	0
0.138300169	0.9999986525	0
0.5018328273	0.9999986525	0.9326631859
0.4605668205	0.9999986525	13.723693306
0.8743251087	0.9999986525	0
0.1949701701	0.9999986525	4.6279283409
0.8867188532	0.9999986525	5.3527619824
0.9488383945	0.9999986525	2.1091820378
0.7807036528	0.9999986525	2.6903325468
0.7165721416	0.9999986525	0
0.2196906855	0.9999986525	0
0.1715729412	0.9999986525	1.8174094366
0.7711738546	0.9999986525	6.8182182063
0.6293176171	0.9999986525	0
0.8377389095	0.9999986525	81.7131277354
0.3895168493	0.9999986525	5.4686946131
0.6312664098	0.9999986525	0
0.9794213619	0.9999986525	0

gene_expression_table		
0.5859790763	0.9999986525	0
0.5410902541	0.9999986525	0
0	0	0
0.6395474163	0.9999986525	0
0.9384070544	0.9999986525	1.4502545027
0.8400064021	0.9999986525	0
0.0557716644	0.9999986525	0
0.5242217432	0.9999986525	20.5242079962
0.4631112105	0.9999986525	0
0.6566453363	0.9999986525	0
0.3711957821	0.9999986525	12.7139909067
0.005403	0.9999986525	14.4174269017
0.0216048488	0.9999986525	173.4447232391
0.0454987436	0.9999986525	43.1310071264
0.245842887	0.9999986525	18.023382666
0	0	0
0.5734673091	0.9999986525	13.5156920428
0.0008276	0.9999986525	49.9895108626
0.3087594433	0.9999986525	6.8653699857
0.2571262155	0.9999986525	5.746420937
0.136531563	0.9999986525	0
0.7355239076	0.9999986525	0
0.2010278798	0.9999986525	19.5922757874
0.5078988933	0.9999986525	0
0.3421293051	0.9999986525	0
0.1613218852	0.9999986525	0
0.9837343672	0.9999986525	1.4003518047
0.8766929947	0.9999986525	0
0.188031312	0.9999986525	0.1696936302
0.6280800817	0.9999986525	0.0460731814
0.2870691614	0.9999986525	0
0.9330293765	0.9999986525	55.1028039279
0.4729816619	0.9999986525	0
0.9287239443	0.9999986525	2.6986789563
0.2668006089	0.9999986525	0
0.9642759867	0.9999986525	1.3880865808
0.830929826	0.9999986525	0.497463119
0.8328521325	0.9999986525	6.7536979829
0.4068058149	0.9999986525	0
0.4134605463	0.9999986525	6.479191937
0.6911753359	0.9999986525	13.1319106436
0.6870769918	0.9999986525	0.8561008379
0.7303619296	0.9999986525	8.6036004333
0.445113188	0.9999986525	25.7025486395
0.8796573497	0.9999986525	0.9877022007
0.7035024093	0.9999986525	1.4518591745
0.3083211076	0.9999986525	0
0.6396469928	0.9999986525	3.7109273627
0.9767105334	0.9999986525	4.5332668023

gene_expression_table

0	0	0
0.7369380543	0.9999986525	8.5756370322
0.8570181068	0.9999986525	5.4905830363
0.5868582631	0.9999986525	40.8212253723
0.3156333433	0.9999986525	0.5259617008
0.6380575653	0.9999986525	0.0256417702
0.5275686568	0.9999986525	0
0.717384407	0.9999986525	8.9435953871
0.5573600678	0.9999986525	0
0.2847272194	0.9999986525	0
0.3079812825	0.9999986525	0
0.3236980505	0.9999986525	0
0.9294539288	0.9999986525	0
0.9752221589	0.9999986525	0.7686049164
0.0616359926	0.9999986525	4.8394086322
0.6155040326	0.9999986525	0.5077333778
0.9068444929	0.9999986525	3.4319265856
0.7781702221	0.9999986525	0.6976186594
0.5198562946	0.9999986525	1.6915429626
0	0	0
0.4251873458	0.9999986525	1.0831624567
0.4729816619	0.9999986525	0
0.717555775	0.9999986525	7.7587657156
0.6367653312	0.9999986525	2.1142763405
0.194462142	0.9999986525	0
0.4548897097	0.9999986525	4.8390982432
0.6399191406	0.9999986525	0
0.122812834	0.9999986525	0
0.333408265	0.9999986525	23.8922950583
0.8451190675	0.9999986525	56.754101942
0.8977764661	0.9999986525	61.8261032032
0.5606488889	0.9999986525	0
0.1387327164	0.9999986525	0
0.5586821891	0.9999986525	6.2894302571
0.6102604878	0.9999986525	0
0.7079082536	0.9999986525	0
0.062097408	0.9999986525	5.2978909688
0.4058360077	0.9999986525	83.4702730588
0.390159987	0.9999986525	1.2191437824
0.373501383	0.9999986525	0.4524141087
0	0	0
0.9050426315	0.9999986525	0
0.6170342111	0.9999986525	0
0.5138625046	0.9999986525	0
0.5715498215	0.9999986525	9.8546299379
0.3675753853	0.9999986525	38.6443304095
0.206959101	0.9999986525	0.9914196885
0.9219037096	0.9999986525	0.0943768006
0.8611849804	0.9999986525	0

gene_expression_table

0.953901124	0.9999986525	21.1679030967
0.8049885224	0.9999986525	73.2808202618
0.7417866402	0.9999986525	0.9134669427
0.6312664098	0.9999986525	0
0.926892066	0.9999986525	76.3049386139
0.5517277566	0.9999986525	12.7603608357
0.4068313092	0.9999986525	0
0	0	0
0.4068567846	0.9999986525	0
0.6124460062	0.9999986525	3.4743713063
0.8295061845	0.9999986525	0
0.2090117399	0.9999986525	53.6454222715
0.2643435604	0.9999986525	5.5962360636
0.2697915952	0.9999986525	0
0.9043081336	0.9999986525	17.42458536
0.4541753567	0.9999986525	0
0.3382238514	0.9999986525	4.7380199064
0.2085871616	0.9999986525	1.051054623
0.5099123831	0.9999986525	15.581369699
0.5822799996	0.9999986525	41.0790133987
0.5127658181	0.9999986525	0
0.6620791434	0.9999986525	6.6684240185
0.5502620519	0.9999986525	3.25135447
0.8627706067	0.9999986525	0
0.6682536824	0.9999986525	0
0.6876434776	0.9999986525	0
0.0747641669	0.9999986525	8.0528662824
0.9574101076	0.9999986525	3.2298798222
0.8283489874	0.9999986525	0
0.1322652984	0.9999986525	5.5705008149
0.0382063458	0.9999986525	0
0.8787240734	0.9999986525	8.6278454955
0.7422415283	0.9999986525	12.9003219898
0.8408446287	0.9999986525	0.4921483718
0.3259400542	0.9999986525	3.6958655162
0.0908843187	0.9999986525	44.1351391893
0.1922087256	0.9999986525	0
0.4417414744	0.9999986525	0
0.9428927952	0.9999986525	2.4305728854
0.6446426908	0.9999986525	0.2286376193
0.7483847997	0.9999986525	0
0.9708301933	0.9999986525	3.4494101121
0.6685342021	0.9999986525	8.0112124727
0.4901563582	0.9999986525	15.6119477452
0.018731007	0.9999986525	12.2733360197
0.3429185534	0.9999986525	0
0.7467647162	0.9999986525	4.4016183541
0.6399108421	0.9999986525	0
0.0147064002	0.9999986525	9.9897704143

gene_expression_table

0.081865968	0.9999986525	4.2848152168
0.6312664098	0.9999986525	0
0.7780670381	0.9999986525	10.6689395942
0.8657603858	0.9999986525	0.5262289711
0.9299769722	0.9999986525	24.1662140443
0.8331727714	0.9999986525	2.8890059749
0.0757200086	0.9999986525	7.418987635
0.6183923695	0.9999986525	1.5699271195
0.4965728809	0.9999986525	0
0.8883215721	0.9999986525	40.0536125114
0	0	0
0.9716367649	0.9999986525	4.045648491
0.8845525089	0.9999986525	3.0162392414
0.7576158992	0.9999986525	1.5126859777
0.1573122727	0.9999986525	0.5386234885
0.5753496596	0.9999986525	8.9570781095
0.028265189	0.9999986525	59.4082319756
0.9552092238	0.9999986525	32.4616882316
0.4388784512	0.9999986525	0
0.299945741	0.9999986525	1.9315334172
0.302899849	0.9999986525	7.286688497
0.6410802102	0.9999986525	22.2222902233
0.4515416414	0.9999986525	2.7887801366
0.0413071435	0.9999986525	9.6988133519
0.7727756778	0.9999986525	0
0.5523628768	0.9999986525	0.3758997739
0.1482196169	0.9999986525	0
0.6060168261	0.9999986525	0.9579829294
0.8030244916	0.9999986525	0
0.0724854095	0.9999986525	10.4976979182
0.7775695099	0.9999986525	0
0.2321174487	0.9999986525	0
0.2988035893	0.9999986525	0
0.0497925676	0.9999986525	296.7768760083
0.1696461161	0.9999986525	17.419659218
0.3329624377	0.9999986525	23.4520063172
0.9806924321	0.9999986525	32.5153623591
0.0718719456	0.9999986525	96.2799304755
0.7065907312	0.9999986525	9.1125814046
0.4647866261	0.9999986525	10.61088633
0.316648859	0.9999986525	21.0557824117
0.9608313407	0.9999986525	0
0.2730725253	0.9999986525	15.7535923121
0.2033368579	0.9999986525	4.3155677583
0.4408925509	0.9999986525	8.6900729291
0.8538388036	0.9999986525	0
0.3485716609	0.9999986525	0.9850494396
0.6741551038	0.9999986525	0
0.6739769211	0.9999986525	1.8307335988

gene_expression_table

0.4770479016	0.9999986525	17.3447501845
0.4982711624	0.9999986525	13.8069903726
0.3979312878	0.9999986525	19.01605313
0.9832385482	0.9999986525	0.4877712349
0.0572850379	0.9999986525	0
0	0	0
0.1678279206	0.9999986525	0
0.4878255919	0.9999986525	0
0.6542644185	0.9999986525	46.5571540268
0.5840496156	0.9999986525	6.6680030587
0.0803305198	0.9999986525	21.4351357778
0.8684223182	0.9999986525	0.2168610986
0.0514494741	0.9999986525	8.1883380088
0.7261875957	0.9999986525	8.6874522798
0.5435148547	0.9999986525	0
0.2135229565	0.9999986525	3.4433379988
0.4974639145	0.9999986525	4.7491683556
0.3048498329	0.9999986525	0
0.6248608476	0.9999986525	169.7247616606
0.9001991773	0.9999986525	3.7798624597
0.7893319488	0.9999986525	0
0.7120156397	0.9999986525	23.7971995613
0.5479643824	0.9999986525	5.5445354763
0.7702011477	0.9999986525	3.9516586776
0.4407406961	0.9999986525	28.654550411
0.830198682	0.9999986525	0
0.4905477094	0.9999986525	4.2333091446
0.4974209181	0.9999986525	0.5557908907
0.1387825445	0.9999986525	0
0.1600987076	0.9999986525	3.1054389686
0.0222121572	0.9999986525	91.1700336906
0.3068697066	0.9999986525	33.5991845606
0.0968167509	0.9999986525	0
0.8094065336	0.9999986525	0
0.153696991	0.9999986525	0
0.30755387	0.9999986525	0
0.6312664098	0.9999986525	0
0.1743256927	0.9999986525	5.7400817557
0.2287840015	0.9999986525	6.0981354276
0.1445998942	0.9999986525	1.6534188489
0.6547943035	0.9999986525	0
0.5976437137	0.9999986525	6.6131947764
0.086997064	0.9999986525	9.4902011152
0.8718790038	0.9999986525	103.2064542566
0.2919342304	0.9999986525	0
0.9951536167	0.9999986525	4.5707868301
0.9577781652	0.9999986525	9.9248164442
0.733491312	0.9999986525	7.816005006
0.6466595264	0.9999986525	2969.8548205985

gene_expression_table

0.6077192254	0.9999986525	2.0950006238
0.7762307163	0.9999986525	132.7538790774
0.6400533129	0.9999986525	14.6937980208
0.237475479	0.9999986525	5.2492402262
0.7976550249	0.9999986525	1.7787255229
0.1921120265	0.9999986525	24.9050464508
0.7032729126	0.9999986525	0
0.9936081929	0.9999986525	15.8340317913
0.9300804343	0.9999986525	0
0.6597141694	0.9999986525	0
0.0501097273	0.9999986525	0.1188196717
0.4387498428	0.9999986525	0.4933920473
0.6087525604	0.9999986525	0
0.4410372471	0.9999986525	44.1747665787
0	0	0
0.4474270598	0.9999986525	24.9420305206
0.5873422352	0.9999986525	1.2438511123
0.6572947229	0.9999986525	2.0727434724
0.9195976952	0.9999986525	0
0.0675785384	0.9999986525	0
0.22038433	0.9999986525	650.1127097025
0.5991642757	0.9999986525	0
0.4299890388	0.9999986525	0
0.3932075131	0.9999986525	2.8575094401
0.6871093688	0.9999986525	0
0.3366447609	0.9999986525	1.0863093875
0.5548056842	0.9999986525	0.3530224139
0.400699983	0.9999986525	36.9871931265
0.3162406439	0.9999986525	0
0.1623623007	0.9999986525	19.2060588905
0.4664540439	0.9999986525	3.5419698061
0.5163379471	0.9999986525	1.5567387321
0.435027103	0.9999986525	0
0.2697334328	0.9999986525	0
0.4068822413	0.9999986525	0
0.78858353	0.9999986525	0.893246573
0.7278537637	0.9999986525	14.9860729318
0.0848508051	0.9999986525	1.6531730124
0.2418508356	0.9999986525	0
0	0	0
0.0438881598	0.9999986525	12.2219861674
0.184316768	0.9999986525	0
0.6399025346	0.9999986525	0
0.864979928	0.9999986525	1712.069444577
0.2783577595	0.9999986525	3.4424402442
0.606705507	0.9999986525	1.77476966
0.0886039499	0.9999986525	1.0689561849
0.1401837118	0.9999986525	29.178960346
0.2382094153	0.9999986525	143.1271496648

gene_expression_table		
0.6486827223	0.9999986525	0
0.9697007488	0.9999986525	0
0.6312664098	0.9999986525	0
0.8045343905	0.9999986525	7.6221558993
0.3504668415	0.9999986525	0
0	0	0
0.4610683086	0.9999986525	0.407345074
0.167352207	0.9999986525	1.896166238
0.099607911	0.9999986525	1.5443569281
0.8792934625	0.9999986525	0
0.876066859	0.9999986525	8.0536365658
0.1827667308	0.9999986525	245.932098842
0.2949505569	0.9999986525	5.3820358938
0.6312664098	0.9999986525	0
0.475993444	0.9999986525	0
0.7118833661	0.9999986525	0
0.1483985533	0.9999986525	0
0.2722622148	0.9999986525	0
0.1237117385	0.9999986525	58.0372727762
0.8197845654	0.9999986525	0
0.639894218	0.9999986525	0
0.4729816619	0.9999986525	0
0.8262207127	0.9999986525	0.4210897468
0.4979464658	0.9999986525	6.7089430982
0.5905997776	0.9999986525	17.9501803811
0.7013481496	0.9999986525	0
0.7048516408	0.9999986525	0
0.7851998887	0.9999986525	1.5851467143
0.4365769985	0.9999986525	10.148326011
0.1687800025	0.9999986525	4.1101924765
0.8499512785	0.9999986525	3.127057604
0	0	0
0.3053039353	0.9999986525	4.4175415688
0.3048612327	0.9999986525	0
0.4729816619	0.9999986525	0
0.4077071439	0.9999986525	2.2615958988
0.8018928363	0.9999986525	25.0006713497
0.5621131896	0.9999986525	0.9057592863
0	0	0
0	0	0
0.3912508237	0.9999986525	0
0.0844808903	0.9999986525	13.3267520127
0.9522363178	0.9999986525	1.6693191171
0.177846988	0.9999986525	17.1957623919
0.163651345	0.9999986525	0
0.3502606661	0.9999986525	0
0.032424202	0.9999986525	5.7151734906
0.6906955386	0.9999986525	8.8368638084
0.313388752	0.9999986525	1.424688586

gene_expression_table

0.2895468483	0.9999986525	2.9597992701
0.0414455815	0.9999986525	0
0.5929768901	0.9999986525	2.3278349007
0.0945428834	0.9999986525	6.899270833
0.7192976287	0.9999986525	0
0.2900054443	0.9999986525	654.3525977364
0.7189712006	0.9999986525	2.3772919619
0.2557206298	0.9999986525	43.6076223537
0.7847086861	0.9999986525	1.0599308864
0.9777104068	0.9999986525	48.9646821507
0	0	0
0.369545403	0.9999986525	0
0.3131260816	0.9999986525	1510.5243295853
0.4030442649	0.9999986525	0
0.001621	0.9999986525	10.6680416563
0.3827395088	0.9999986525	7.4474960483
0.1304705834	0.9999986525	0.5001223294
0.623352637	0.9999986525	0.6157226507
0.609997693	0.9999986525	0.1819970924
0.4338493407	0.9999986525	332.9716442483
0.3464562211	0.9999986525	0
0.190981919	0.9999986525	3.0687924594
0.5160178016	0.9999986525	46.7104229596
0.3607190604	0.9999986525	0
0.7356128745	0.9999986525	0.6671793611
0.3225726815	0.9999986525	4.2221579475
0.03640233	0.9999986525	218.2719321209
0.4364254432	0.9999986525	184.5131676686
0.8141424463	0.9999986525	93.6105784448
0.5094571166	0.9999986525	0
0.656613775	0.9999986525	0.4819161908
0.6513113396	0.9999986525	3.0512402927
0.5723064597	0.9999986525	0.9875021327
0.7209110256	0.9999986525	29.6457581961
0.7046700602	0.9999986525	0
0.6183268671	0.9999986525	0
0.0170875374	0.9999986525	23.690245385
0.3560248882	0.9999986525	4.0596424326
0.1590124704	0.9999986525	0
0.7485816677	0.9999986525	0
0.0124868786	0.9999986525	15.8144443126
0.4125837767	0.9999986525	22.0517403868
0.9400166925	0.9999986525	5.9381513634
0	0	0
0.8612741097	0.9999986525	0
0.9667517541	0.9999986525	0.1094550414
0	0	0
0.5268056785	0.9999986525	0
0.0408404091	0.9999986525	42.6461728134

gene_expression_table

0.2023636652	0.9999986525	8.5412029291
0.7154182679	0.9999986525	0
0.0849060113	0.9999986525	1.6984333796
0.5782808921	0.9999986525	63.5328110645
0.4069076791	0.9999986525	0
0.1326636588	0.9999986525	2.0083628637
0.9991532756	0.9999986525	0
0.240680563	0.9999986525	0
0.2184349367	0.9999986525	8.0880351853
0.4194923764	0.9999986525	12.9097820157
0.2794134512	0.9999986525	74.8408615518
0.3085983118	0.9999986525	0
0.451768979	0.9999986525	8.0357942222
0.8647685969	0.9999986525	0
0.9294323897	0.9999986525	0
0.6398858924	0.9999986525	0
0.2683598949	0.9999986525	6.4985749017
0.7170993657	0.9999986525	5.1735238504
0.3490866283	0.9999986525	21.6155190558
0.3493883869	0.9999986525	0.8679457166
0.6312664098	0.9999986525	0
0.0930936768	0.9999986525	20.2458325861
0.6554532466	0.9999986525	1.3500835458
0.7376052436	0.9999986525	2.8669457103
0.7907332164	0.9999986525	0.2734106666
0.7018497102	0.9999986525	30.6847781903
0.3434297571	0.9999986525	0.4286530872
0.4469845176	0.9999986525	22.166919929
0.5003008606	0.9999986525	0
0.169942875	0.9999986525	10.1417002508
0.9959088092	0.9999986525	3.4231179904
0.3702382278	0.9999986525	1.0395826669
0.677257631	0.9999986525	4.8713462519
0	0	0
0.4224577832	0.9999986525	7.8635603774
0.9739374862	0.9999986525	0
0.4068627897	0.9999986525	11.9109436544
0.3086680007	0.9999986525	23.7900532551
0.6593072569	0.9999986525	22.8763723186
0.8782217932	0.9999986525	28.1841247576
0.6989438288	0.9999986525	320.2313829064
0.4773189296	0.9999986525	0.2971447762
0.3736883341	0.9999986525	22.1851290542
0.8235849838	0.9999986525	3.1269341756
0.5797542181	0.9999986525	4.0285508694
0.8262132576	0.9999986525	0
0.0483257019	0.9999986525	39.3693016968
0	0	0
0.8734477414	0.9999986525	17.5942021702

gene_expression_table

0.764908729	0.9999986525	1.0785366649
0.6436134927	0.9999986525	2.8924604934
0.6398775575	0.9999986525	0
0.8626429317	0.9999986525	0
0.4031904844	0.9999986525	0
0.8627989384	0.9999986525	0
0.7319694984	0.9999986525	3.595229287
0.7592719436	0.9999986525	0.1970962764
0.0707864227	0.9999986525	8.7186994506
0	0	0
0.6311445471	0.9999986525	40.2112027808
0.1645618061	0.9999986525	12.5739939828
0.2190607627	0.9999986525	0.673469386
0.1494340391	0.9999986525	0
0.8985950722	0.9999986525	0.3241579376
0.4880906547	0.9999986525	0.2167895885
0.849987592	0.9999986525	18.0375403778
0.6898496984	0.9999986525	2.1600961246
0.2212713801	0.9999986525	19.651836749
0.1187920488	0.9999986525	4.6989329752
0.6312664098	0.9999986525	0
0.3715177148	0.9999986525	2.6105441267
0.4814337289	0.9999986525	1.1048243463
0.5096284341	0.9999986525	0
0.7961450205	0.9999986525	8.5037438106
0.7105837129	0.9999986525	0
0	0	0
0.4642967325	0.9999986525	65.135356497
0.4862603763	0.9999986525	4.3843531651
0.7649013359	0.9999986525	242.1422639006
0.6398692135	0.9999986525	0
0.4729816619	0.9999986525	0
0.9878662278	0.9999986525	3.3247666494
0.545504561	0.9999986525	5.5622873329
0.911854226	0.9999986525	6.1669684991
0.5317459824	0.9999986525	12.5116875018
0.9199507532	0.9999986525	2.3561864031
0.9269613175	0.9999986525	49.1241488256
0.6910874009	0.9999986525	24.1159443956
0.3538734441	0.9999986525	73.4400928852
0.1353807337	0.9999986525	123.3764150122
0.56602673	0.9999986525	21.8963176726
0.268986823	0.9999986525	9.2623497415
0.7358006489	0.9999986525	87.6014124653
0.5918147342	0.9999986525	5.9616117199
0.3419366141	0.9999986525	4.7231191403
0.1023655029	0.9999986525	4.3183906972
0.0480904854	0.9999986525	80.9843107051
0.8786427525	0.9999986525	0

gene_expression_table

0.6686795107	0.9999986525	8.5661787112
0.4173882275	0.9999986525	17.0001882703
0.0687162472	0.9999986525	1148.1286570937
0.6171158189	0.9999986525	0
0.2089996067	0.9999986525	51.0371861823
0.4554044798	0.9999986525	308.4238828566
0.2238719595	0.9999986525	868.5802837059
0.9762686234	0.9999986525	18.7516130752
0.451542098	0.9999986525	174.2510799308
0.4257910135	0.9999986525	0
0.4312907055	0.9999986525	51.5257738793
0.337076529	0.9999986525	1.8543398982
0.2644332521	0.9999986525	19.7650154965
0.5312825543	0.9999986525	30.8492513004
0.3260717955	0.9999986525	36.5257268909
0.054957016	0.9999986525	51.3712424995
0.30755387	0.9999986525	0
0.5205358835	0.9999986525	22.1534891889
0.3143042905	0.9999986525	0
0.5870762626	0.9999986525	289.1272895601
0.7338030332	0.9999986525	5.4220951929
0.0992487681	0.9999986525	6.5323337324
0.5203354367	0.9999986525	47.1342420583
0.1693392999	0.9999986525	191.5475575405
0.8883525967	0.9999986525	6.7240331309
0.0191612185	0.9999986525	32.78127877
0.3602097011	0.9999986525	0
0.3388057848	0.9999986525	81.1273705473
0.0513394126	0.9999986525	10.9413545114
0.694189409	0.9999986525	50.3309258828
0.8936689295	0.9999986525	169.3529214769
0.0982440009	0.9999986525	14.6420621642
0.7063659384	0.9999986525	45.3727819814
0.0113159084	0.9999986525	18.4922682865
0.6937805563	0.9999986525	0
0.256902087	0.9999986525	4.5667028298
0.0380199695	0.9999986525	0
0.7919803464	0.9999986525	5927.289107427
0.2680018761	0.9999986525	0
0.6317177064	0.9999986525	7.7021902036
0.9858365275	0.9999986525	201.1664040264
0.5249044148	0.9999986525	4.1649712729
0.1027461815	0.9999986525	0
0.3501510933	0.9999986525	0
0.9242905064	0.9999986525	205.7876023291
0.2696753809	0.9999986525	0
0.9383228655	0.9999986525	32.9819010968
0.2267691656	0.9999986525	0
0.0540607086	0.9999986525	0

gene_expression_table

0.8702161007	0.9999986525	0.4159165726
0.339161753	0.9999986525	0
0.2994068291	0.9999986525	1.7233606249
0.7116783842	0.9999986525	0
0.8529894635	0.9999986525	3.8484184217
0.7809478687	0.9999986525	4.6152564719
0.5544405596	0.9999986525	21.1366640391
0.9332937337	0.9999986525	0
0.3378728042	0.9999986525	0
0.0770356906	0.9999986525	17.7168461007
0.3428860936	0.9999986525	1.8308287942
0.6730915763	0.9999986525	9.7538632528
0.1447114982	0.9999986525	4.6433900322
0.7335332555	0.9999986525	0.7381503337
0.9782832609	0.9999986525	0
0.3091866526	0.9999986525	0
0.5718715154	0.9999986525	0
0.3575599096	0.9999986525	0
0	0	0
0.5014490848	0.9999986525	0.3562802689
0.9773167614	0.9999986525	3.2000677549
0.3986743574	0.9999986525	0.4522320352
0.6911310044	0.9999986525	5.5846376469
0.1517965816	0.9999986525	22.7548118166
0.4099973746	0.9999986525	3.3744397048
0.3426284411	0.9999986525	0
0.3521531602	0.9999986525	0.8129041518
0.809091464	0.9999986525	31.8443884391
0.5280249505	0.9999986525	0
0.652277887	0.9999986525	0
0.6312664098	0.9999986525	0
0.8978742349	0.9999986525	0
0.4692214102	0.9999986525	2.3975811797
0.2842211412	0.9999986525	8.9984100569
0.356519626	0.9999986525	0
0.4280835565	0.9999986525	0.3434411246
0.9242289711	0.9999986525	0.7041311235
0.3213755118	0.9999986525	0
0.0762246345	0.9999986525	0
0.4900512299	0.9999986525	0.8679718678
0.2075825021	0.9999986525	351.66652572
0.7931274989	0.9999986525	5.3019634408
0.4501276024	0.9999986525	123.6795545475
0.7121847904	0.9999986525	1.8401549165
0.4123893117	0.9999986525	3408.6330949678
0.9317231264	0.9999986525	0
0.9074789761	0.9999986525	0.0659813555
0.5394715269	0.9999986525	0.1880308539
0.9693871621	0.9999986525	0.7820877755

gene_expression_table

0.0527524744	0.9999986525	3.7600682206
0.7033405507	0.9999986525	119.7051637042
0.2218974681	0.9999986525	6.6709508938
0.5210295095	0.9999986525	25.1568568424
0.460294576	0.9999986525	0
0.3977568139	0.9999986525	2.0256949304
0.9448079651	0.9999986525	3.5924577063
0.6440759525	0.9999986525	0.8869506214
0.7075908808	0.9999986525	0
0.4728797914	0.9999986525	0.2580770422
0	0	0
0.7587820318	0.9999986525	1.9330887678
0.9185732126	0.9999986525	6.3790703538
0.7042045085	0.9999986525	0
0.2414017569	0.9999986525	8.7404084777
0.0327960721	0.9999986525	16.1190044945
0.5780773363	0.9999986525	0
0.4002932538	0.9999986525	0.7477653404
0.6706396544	0.9999986525	96.9721721938
0.8765836621	0.9999986525	10.6036835676
0.4670259626	0.9999986525	23.2656333044
0.2650026715	0.9999986525	0
0.9922826766	0.9999986525	107.4239651499
0.345977696	0.9999986525	36.8662101516
0.8780373177	0.9999986525	1.3081332613
0.8987792644	0.9999986525	0
0.4540598555	0.9999986525	16.0858655985
0.0185515314	0.9999986525	19.9510152153
0.3947316573	0.9999986525	2.0750889235
0.1432412169	0.9999986525	20.921063891
0.718900735	0.9999986525	17.9592752303
0.3304414768	0.9999986525	0
0.0267841617	0.9999986525	3.7171958211
0.9028447761	0.9999986525	0
0.815506198	0.9999986525	7.2629729397
0.3127686522	0.9999986525	0
0.1916005796	0.9999986525	0
0.3638691525	0.9999986525	324.2106705114
0.031820719	0.9999986525	37.8377405261
0.6258688001	0.9999986525	0
0.0605202475	0.9999986525	136.0745075074
0.9419498707	0.9999986525	26.3411063473
0.3286650125	0.9999986525	10.8692978445
0.6398608601	0.9999986525	0
0.4371757463	0.9999986525	0
0.5904747806	0.9999986525	0
0.6312664098	0.9999986525	0
0.435199549	0.9999986525	0
0.97837326	0.9999986525	133.0245616495

gene_expression_table

0.0387098117	0.9999986525	68.3785961823
0.3835603041	0.9999986525	4.7554401428
0.4070928321	0.9999986525	540.4933151815
0.2836439151	0.9999986525	4.3183906972
0.7361406069	0.9999986525	0.4340322992
0.6065112158	0.9999986525	0.7146673644
0.7141650021	0.9999986525	0
0.9502271251	0.9999986525	0
0.4401619287	0.9999986525	1.4320088454
0	0	0
0.8541509155	0.9999986525	16.3916568052
0.8733809256	0.9999986525	26.6826801413
0.1125215984	0.9999986525	0
0.6323631054	0.9999986525	10.545007775
0.7327660479	0.9999986525	67.580189669
0.7750039706	0.9999986525	12.783746545
0.6307927463	0.9999986525	0
0.6387269284	0.9999986525	3.7201414568
0.6774815591	0.9999986525	0
0.5770431815	0.9999986525	101.2730934349
0.6801073256	0.9999986525	1.3303589064
0.3883474049	0.9999986525	0.6032360364
0.1899762161	0.9999986525	34.7231546524
0.9049473473	0.9999986525	141.9528145848
0.8521885278	0.9999986525	1.68691447
0.9730979603	0.9999986525	0.3497911623
0.9951848731	0.9999986525	2.5192191633
0.7244627322	0.9999986525	0
0.1756275412	0.9999986525	0.2219249361
0.8202860567	0.9999986525	27.9494175968
0.1627583842	0.9999986525	1.9339381972
0.4917825035	0.9999986525	5.9465088359
0.7151322454	0.9999986525	6.3497346831
0.5219520892	0.9999986525	362.3382135233
0.5041075335	0.9999986525	0
0.373386551	0.9999986525	11.6261927413
0.0170760223	0.9999986525	58.9112305926
0.0350192864	0.9999986525	5.5083352343
0.2056248422	0.9999986525	0
0.5626269935	0.9999986525	0
0.5124323193	0.9999986525	35.1975463021
0	0	0
0.1918417116	0.9999986525	0
0.6312664098	0.9999986525	0
0.8324023086	0.9999986525	0
0.2746270988	0.9999986525	0
0.6817342746	0.9999986525	0
0.6312664098	0.9999986525	0
0.7299918745	0.9999986525	0

gene_expression_table

0.4149230916	0.9999986525	0
0.9023685261	0.9999986525	0
0.4828932893	0.9999986525	0
0.2466180115	0.9999986525	0
0.7041998364	0.9999986525	0
0.1459773385	0.9999986525	7.0243728799
0.9985841367	0.9999986525	0
0.8507461597	0.9999986525	0
0.2545558254	0.9999986525	10.9379555196
0.8647617929	0.9999986525	0.1737528564
0.5641257468	0.9999986525	0
0.5723036299	0.9999986525	6.5388037918
0.8592488259	0.9999986525	2.0404341822
0.1307115615	0.9999986525	1.0452199376
0	0	0
0.8546564764	0.9999986525	10.6517981313
0.234455113	0.9999986525	2.7532487189
0.4317338855	0.9999986525	1.7568915946
0.6258340642	0.9999986525	0
0.142336853	0.9999986525	1.2258502263
0.8520867015	0.9999986525	2.0397380796
0.8510965796	0.9999986525	2.5506576947
0.5021351588	0.9999986525	0
0.6015918989	0.9999986525	68.7730975963
0.9228978443	0.9999986525	0
0.4123496102	0.9999986525	0
0.8286164921	0.9999986525	16.9792374944
0.4640666743	0.9999986525	0.2781641696
0.959844764	0.9999986525	50.2670541494
0.4648321648	0.9999986525	7.756486742
0.6688822966	0.9999986525	0
0.4676630026	0.9999986525	5.3963337311
0.2422406195	0.9999986525	0
0.992770849	0.9999986525	52.7435934351
0.3803837521	0.9999986525	1.6064825851
0.6137874426	0.9999986525	0
0.1414833857	0.9999986525	0.440044478
0.0307826867	0.9999986525	1.1729872439
0.3283686753	0.9999986525	3.739479695
0.2798975157	0.9999986525	44.7860235118
0.1519639079	0.9999986525	1.3619732635
0.6524578896	0.9999986525	0.8324520005
0.4686221523	0.9999986525	0
0.60892684	0.9999986525	31.7161298909
0.6359827147	0.9999986525	1.3470017528
0.4825520422	0.9999986525	0
0.8212094637	0.9999986525	0
0.3271622394	0.9999986525	1118.6570081006
0.5930344048	0.9999986525	2.2615474768

gene_expression_table

0.4033394695	0.9999986525	0
0.6395355923	0.9999986525	0
0.7139340357	0.9999986525	1.5985567815
0.005003	0.9999986525	5.5780184481
0.2508453488	0.9999986525	5.7049100851
0.470872166	0.9999986525	0
0.8765787203	0.9999986525	11.716898109
0.6133201956	0.9999986525	5.5372939053
0.8197822817	0.9999986525	0
0.1205104399	0.9999986525	5.2462420012
0	0	8.7541717597
0.5504798237	0.9999986525	6.3326041039
0.5324086143	0.9999986525	8.1857568077
0.1707194184	0.9999986525	0
0.401423877	0.9999986525	0
0.3485500105	0.9999986525	0
0.0302153696	0.9999986525	57.5210581517
0.512103345	0.9999986525	6.0715423432
0.1639715517	0.9999986525	6.1556925268
0.7180805998	0.9999986525	13.6285541609
0.8191721043	0.9999986525	0
0.5793093601	0.9999986525	9.8908642661
0.8693771448	0.9999986525	0
0.883061881	0.9999986525	6.8881457475
0.0624444511	0.9999986525	4.4248644834
0.9562193706	0.9999986525	3.7407598701
0.8717277808	0.9999986525	1.8230051716
0.2172206051	0.9999986525	0
0.6395238085	0.9999986525	0
0.9945527571	0.9999986525	0
0.8060334024	0.9999986525	0
0.0925974589	0.9999986525	1.8504578756
0.56824672	0.9999986525	0.9875636834
0.5385626271	0.9999986525	1.5918355002
0.3921019829	0.9999986525	1.7818861724
0.5928352088	0.9999986525	21.5278301744
0.4118711597	0.9999986525	12.3628085736
0.4069330981	0.9999986525	0
0.6146423746	0.9999986525	29.7836843233
0.707838028	0.9999986525	24.0021302899
0.1036480023	0.9999986525	1.5388521351
0.5910053919	0.9999986525	0
0.2774388625	0.9999986525	0
0.6648321212	0.9999986525	0
0	0	0
0.0965579354	0.9999986525	52.9197577418
0.7894634044	0.9999986525	3.0495137207
0.3790682952	0.9999986525	0
0.6891714805	0.9999986525	0

gene_expression_table

0.33506773	0.9999986525	0.4830313039
0.9091379889	0.9999986525	0.7138559449
0.4783248179	0.9999986525	0
0.8621953256	0.9999986525	0
0.7247972528	0.9999986525	0
0.2524675641	0.9999986525	6.4598254871
0.45754575	0.9999986525	3.8473545403
0.6445594043	0.9999986525	0
0.3144883577	0.9999986525	3.7507221239
0.6823651753	0.9999986525	2.2004882391
0.5451468814	0.9999986525	0
0.6104802026	0.9999986525	3.9748564933
0.5700342595	0.9999986525	0
0.5177842143	0.9999986525	0.6279447153
0.3164701903	0.9999986525	0
0.9291844004	0.9999986525	3.1435920494
0.511959707	0.9999986525	0
0.5469264813	0.9999986525	13.5067678901
0.9584444948	0.9999986525	5.6811558205
0.4378109456	0.9999986525	151.6482363464
0.7896835911	0.9999986525	27.9999566467
0.8883406633	0.9999986525	11.1410016299
0.8169173206	0.9999986525	2.2097873735
0.77426323	0.9999986525	5.5864097976
0.4550435389	0.9999986525	0
0.7061798235	0.9999986525	2.4551671162
0.1413304869	0.9999986525	0
0.4639657243	0.9999986525	34.749462695
0.0978781737	0.9999986525	57.1991894148
0.8623937078	0.9999986525	133.1123719098
0.6611175213	0.9999986525	0
0.6982499557	0.9999986525	1.5555236942
0.0664192057	0.9999986525	1.3217357782
0.3876844844	0.9999986525	1.0407144795
0.2409608932	0.9999986525	9.3378634665
0.3795294479	0.9999986525	2.1537361645
0.967493688	0.9999986525	0
0	0	0
0.4838543539	0.9999986525	0
0.221868534	0.9999986525	12.1817364148
0.724707554	0.9999986525	0
0.4069584982	0.9999986525	0
0.8571521079	0.9999986525	21.4865411824
0.6113522276	0.9999986525	0
0.1598773034	0.9999986525	14.4203338852
0.1998364512	0.9999986525	59.4607844928
0.6707142825	0.9999986525	0
0.5682048876	0.9999986525	0
0.7233414714	0.9999986525	7.0819139743

gene_expression_table

0.950331098	0.9999986525	0.4790334621
0.3763589764	0.9999986525	2.1593277685
0.6312664098	0.9999986525	0
0.0363985612	0.9999986525	4.5037268701
0.3420201226	0.9999986525	0
0.0460740423	0.9999986525	24.810966711
0.550923814	0.9999986525	0
0.702570583	0.9999986525	4.742842102
0.2686861065	0.9999986525	16.1480823783
0.9037840505	0.9999986525	0
0.2991280906	0.9999986525	1.0076203765
0.3368702551	0.9999986525	0
0.260848468	0.9999986525	1.6230260915
0.840652386	0.9999986525	5.1145302725
0.9294108232	0.9999986525	0
0.0770122044	0.9999986525	131.7363304421
0.5472709787	0.9999986525	0
0.7887972103	0.9999986525	0.2460661605
0.6398524973	0.9999986525	0
0.1276629786	0.9999986525	0.3181408018
0.46271102	0.9999986525	4.6831039998
0.3103158083	0.9999986525	0
0.2787982871	0.9999986525	2.2962573142
0.9641850171	0.9999986525	0
0.0423914691	0.9999986525	79.1356543271
0.7405431276	0.9999986525	0
0.24856022	0.9999986525	1.367917279
0.2081506145	0.9999986525	0.3919691126
0.2831170366	0.9999986525	4.0993985687
0.4279014293	0.9999986525	2.2686634619
0.5508838458	0.9999986525	1.1845403989
0.1080736279	0.9999986525	3.3424415054
0.7449108084	0.9999986525	0.422406589
0.3419656432	0.9999986525	0
0.6312664098	0.9999986525	0
0.3613378695	0.9999986525	8.0112124727
0.4184424298	0.9999986525	0.9376472362
0.4067357476	0.9999986525	4.9169247738
0.2922728399	0.9999986525	12.3080676361
0.542125351	0.9999986525	12.2311065832
0.2288621114	0.9999986525	0
0.9726790924	0.9999986525	1.9474876738
0.7636478773	0.9999986525	2.4335968218
0.4730970736	0.9999986525	0
0.2915108211	0.9999986525	3.5146015989
0.8525754148	0.9999986525	796.3407300126
0.3419112382	0.9999986525	0
0.0797447889	0.9999986525	0
0.2585419053	0.9999986525	0.8786991286

gene_expression_table		
0.7046536483	0.9999986525	0
0	0	0
0.2184879093	0.9999986525	0
0.3448064682	0.9999986525	4.2337842482
0.282668908	0.9999986525	1.0212297592
0.2197686467	0.9999986525	170.3827454205
0.2555233538	0.9999986525	6.2094573126
0.905071528	0.9999986525	2.4571470283
0.3956910373	0.9999986525	0
0.6008253812	0.9999986525	0
0.1460357505	0.9999986525	0.2667868148
0.3618081293	0.9999986525	0
0.4093190019	0.9999986525	7.9318041941
0	0	0
0.268301557	0.9999986525	2.7607614257
0.3914129405	0.9999986525	0.4650340603
0.8339051841	0.9999986525	13.0240372654
0.8799134753	0.9999986525	11.8141370406
0.8802612271	0.9999986525	6.8416242278
0.5212433244	0.9999986525	0
0.5990864635	0.9999986525	0
0.7094228215	0.9999986525	1.5407676007
0.6618937306	0.9999986525	37.4863934636
0.8904180862	0.9999986525	0.4008251044
0.4624760823	0.9999986525	10.1185780681
0.8242290199	0.9999986525	0.241547685
0.7012231009	0.9999986525	0.3800478405
0.995578436	0.9999986525	30.8921068809
0	0	0
0.149630902	0.9999986525	12.5200912429
0.2650122493	0.9999986525	0.8972498085
0.4606009042	0.9999986525	8.1888391699
0.3368687627	0.9999986525	0
0.4394756567	0.9999986525	20.9595675158
0.7667774036	0.9999986525	0.9459604561
0.6919692517	0.9999986525	0
0.3932654765	0.9999986525	0
0.3533397775	0.9999986525	1.5243695803
0.6892627996	0.9999986525	1.4341086221
0	0	0
0.3547091322	0.9999986525	1.3431210528
0.4854103928	0.9999986525	0
0.5925097331	0.9999986525	14.479178737
0.9343801294	0.9999986525	34.9202639501
0.5862468318	0.9999986525	0
0.7082433124	0.9999986525	1.2473960752
0.5412895526	0.9999986525	1.3996374152
0.7356553307	0.9999986525	0
0.3515926008	0.9999986525	1448.7285920516

gene_expression_table

0.7908506525	0.9999986525	64.258737596
0.5000834963	0.9999986525	0
0.369644987	0.9999986525	1.0512742989
0.6685094608	0.9999986525	12.1783656297
0.1532284504	0.9999986525	6.2748588501
0.5070248526	0.9999986525	1356.6878076483
0.8227340813	0.9999986525	1.0233470563
0.5386690087	0.9999986525	0.5871670898
0.6853406139	0.9999986525	1.9201569979
0.6173309287	0.9999986525	3.8101473765
0.2906764722	0.9999986525	1.5470259301
0.9897285126	0.9999986525	2.0946267243
0.9842684804	0.9999986525	0.1712552432
0.914096047	0.9999986525	0
0.4146895838	0.9999986525	0
0.5029978495	0.9999986525	899.1994590274
0.3143353428	0.9999986525	1.0153398613
0.8599482279	0.9999986525	4.3013914668
0.3630288428	0.9999986525	3.2799601432
0.5226607261	0.9999986525	2.4348309541
0.6312664098	0.9999986525	0
0.8772026847	0.9999986525	27.3363965975
0.6293796193	0.9999986525	0
0.8526918986	0.9999986525	22.2047165131
0.0372694256	0.9999986525	49.8800635777
0.9709242289	0.9999986525	11.9542594446
0.8747404524	0.9999986525	0
0.3768513583	0.9999986525	2.4673636172
0.155112397	0.9999986525	28.8065442491
0.2126946451	0.9999986525	4.7696124109
0.1300424467	0.9999986525	46.7379807312
0.8196742132	0.9999986525	3.9658028304
0.8330409734	0.9999986525	8.6750851226
0.1802214546	0.9999986525	5.145173358
0.6169273234	0.9999986525	47.5801065102
0.8217222139	0.9999986525	35.1780094758
0.470283115	0.9999986525	6.8913487077
0.1706907406	0.9999986525	0
0.0719578231	0.9999986525	31.4072559946
0.3522218874	0.9999986525	15.5209516498
0.5249282638	0.9999986525	0
0.9569300453	0.9999986525	13.6740963734
0.8384628692	0.9999986525	0
0.0501065568	0.9999986525	71.4460194384
0.5498819539	0.9999986525	0
0.6178778387	0.9999986525	8.0128620136
0.4747316799	0.9999986525	50.5530724846
0.3134635335	0.9999986525	0.6511554745
0.5975281972	0.9999986525	18.2132660492

gene_expression_table

0.7179504586	0.9999986525	798.4209774282
0.1072144119	0.9999986525	2.8665826219
0.3506865148	0.9999986525	48.4531359874
0.6569332275	0.9999986525	6.1811149087
0.6416178419	0.9999986525	2.273913641
0.5954627677	0.9999986525	49.4165316737
0.9727466193	0.9999986525	11.5998063313
0.1919578757	0.9999986525	2.1291642099
0.0493733417	0.9999986525	4.4096116078
0.6312664098	0.9999986525	0
0.7644173067	0.9999986525	47.9255156319
0.9048210836	0.9999986525	12.4468866603
0.6788357278	0.9999986525	5.1370409713
0.2516395498	0.9999986525	4.4659156288
0.528870357	0.9999986525	11.3152476114
0.7165032115	0.9999986525	6.6025650989
0.5549117533	0.9999986525	6.9495655332
0.5030281013	0.9999986525	58.4655921324
0.1504839981	0.9999986525	1.8957578602
0.9770657501	0.9999986525	69.8042799713
0.9299983383	0.9999986525	0
0.8020604336	0.9999986525	0
0.5324969173	0.9999986525	31.8847610639
0.9628281789	0.9999986525	14.1201100329
0.7042468279	0.9999986525	375.8763065176
0.2888879889	0.9999986525	3.4130747206
0.5941735774	0.9999986525	12.358951223
0.6394896617	0.9999986525	6.1081974262
0.7687271314	0.9999986525	1.6318976077
0.2872021064	0.9999986525	0
0.4816657423	0.9999986525	2.8009078397
0.005653	0.9999986525	5.3904587718
0.8834636894	0.9999986525	0
0.926957038	0.9999986525	4.743055072
0.9876128769	0.9999986525	2.431090341
0.5818937218	0.9999986525	0
0.5060456771	0.9999986525	0
0	0	0
0.8544331852	0.9999986525	2.4202143812
0.030886599	0.9999986525	8.8565661722
0.3775725673	0.9999986525	3.7669337698
0.0276761258	0.9999986525	0
0.8536198172	0.9999986525	7.0606842549
0.6312664098	0.9999986525	0
0.8099584209	0.9999986525	2.9107665328
0.6239179613	0.9999986525	2.4030575502
0.9957009334	0.9999986525	1.9020390473
0.4869400389	0.9999986525	1.6627845842
0.8074907184	0.9999986525	5.0613900677

gene_expression_table

0.8282397234	0.9999986525	0
0.6872866611	0.9999986525	2.729154636
0.6529640647	0.9999986525	25.431042844
0.6338578233	0.9999986525	0.3446528813
0.1560385707	0.9999986525	4.4029944332
0.988996023	0.9999986525	1.9589005685
0.2014824137	0.9999986525	32.2626256728
0.3025326533	0.9999986525	0
0.7042274973	0.9999986525	18.4588751301
0.4910602497	0.9999986525	0
0.8841981505	0.9999986525	124.7421760432
0.0824745788	0.9999986525	43.671927971
0.9324609449	0.9999986525	6429.0915400022
0.5270387038	0.9999986525	45.1304577879
0.9013129023	0.9999986525	22.8582203966
0.3683279565	0.9999986525	54.4110423518
0.2641048877	0.9999986525	0
0.4641805431	0.9999986525	56.6719716832
0.1967586123	0.9999986525	0
0.3373383809	0.9999986525	0
0.1708834054	0.9999986525	0
0.6312664098	0.9999986525	0
0.3418569075	0.9999986525	0
0.4490098348	0.9999986525	1.6040256142
0.0742220521	0.9999986525	38.6824062972
0.4392757457	0.9999986525	45.6529300548
0.2369361196	0.9999986525	10.1810854945
0.223887471	0.9999986525	0
0.1699016321	0.9999986525	6.3053866077
0.285860054	0.9999986525	4.6966579125
0.3722153038	0.9999986525	11.1515874633
0.5447466164	0.9999986525	225.459629568
0.6312664098	0.9999986525	0
0	0	0
0.9020141505	0.9999986525	2.1324955626
0.6362639813	0.9999986525	29.7417531895
0.4206101865	0.9999986525	2.9754655391
0.00379	0.9999986525	441.6494903942
0.1520856173	0.9999986525	0
0	0	0
0.4797193973	0.9999986525	2.6735132869
0.4069838796	0.9999986525	0
0.6312664098	0.9999986525	0
0.7494795087	0.9999986525	55.2446843371
0.4019121666	0.9999986525	0
0.2439577842	0.9999986525	4.2851049271
0.0843040613	0.9999986525	66.922370751
0.3820004342	0.9999986525	32.0351312314
0.2170963883	0.9999986525	0

gene_expression_table

0.1535870111	0.9999986525	17.8196633465
0.2470471983	0.9999986525	5.142142601
0.8064493475	0.9999986525	7.6414552885
0.9891692847	0.9999986525	62.7112251063
0.1779670293	0.9999986525	39.1310829042
0.2443923954	0.9999986525	0
0.6809019917	0.9999986525	0
0.599465419	0.9999986525	185.4979566403
0.3007306145	0.9999986525	4.6311748708
0.750860685	0.9999986525	17.4638700321
0.1623565163	0.9999986525	142.2277869649
0.2582677415	0.9999986525	0
0.8376377266	0.9999986525	225.1126043272
0.3572929235	0.9999986525	1.1778304689
0.6364561056	0.9999986525	182.4525042364
0.4710672114	0.9999986525	0
0.1861784708	0.9999986525	33.8767916782
0	0	0
0.8263904841	0.9999986525	0
0.6963347182	0.9999986525	0
0.5840456511	0.9999986525	39.6054879837
0.8728450337	0.9999986525	46.8208494914
0.1709010412	0.9999986525	0
0.5289544668	0.9999986525	37.5010070246
0.3483775414	0.9999986525	29.9059559605
0.188474754	0.9999986525	11.8278953297
0.3485352324	0.9999986525	42.586145593
0.9995870086	0.9999986525	0
0.3368672726	0.9999986525	0
0.1560767576	0.9999986525	477.6838279372
0.4323294906	0.9999986525	5.8069178918
0.8495000475	0.9999986525	271.3624571679
0.7370535031	0.9999986525	3.8564379866
0.0513810461	0.9999986525	0
0.1861908144	0.9999986525	0
0.4070092421	0.9999986525	0
0.0508348485	0.9999986525	2738.8189525281
0.757374142	0.9999986525	0
0.0881605718	0.9999986525	92.6103010161
0.5075793495	0.9999986525	76.7963081812
0.3277469958	0.9999986525	40.3005862086
0.2343739446	0.9999986525	1.3615460705
0.8528695859	0.9999986525	0
0.5648490208	0.9999986525	17.9212481257
0.2822013198	0.9999986525	0
0.6778040912	0.9999986525	1511.1278462464
0.5796147661	0.9999986525	19.7747332877
0.4603702075	0.9999986525	18.846408312
0.2350847795	0.9999986525	27.16485867

gene_expression_table

0.5209590203	0.9999986525	1.459351153
0.6927933713	0.9999986525	1.7609628804
0.7409701399	0.9999986525	6.1463603316
0.3969874205	0.9999986525	0
0.2408810251	0.9999986525	6.760884665
0.0606979894	0.9999986525	39.5744618862
0.5400731111	0.9999986525	0
0.00277	0.9999986525	21.372264284
0.9302032194	0.9999986525	0.6998743504
0.2483243333	0.9999986525	0.0942829568
0.1586932153	0.9999986525	0
0.8832367934	0.9999986525	11.4264726226
0.9289741414	0.9999986525	7.5201364412
0.844419816	0.9999986525	62.5622550602
0	0	0
0.6312664098	0.9999986525	0
0.3153383123	0.9999986525	0
0.1402280567	0.9999986525	9.0850932312
0.4307141508	0.9999986525	3.8079179658
0.9171282003	0.9999986525	2.6747318744
0.8532154313	0.9999986525	51.3626501539
0.8066743063	0.9999986525	0
0.3137124787	0.9999986525	2.199480186
0.7588181541	0.9999986525	0
0.2697286363	0.9999986525	0
0.7125719905	0.9999986525	37.09624094
0.2593730198	0.9999986525	4.3271574466
0.8395449516	0.9999986525	1.4075528953
0.753509887	0.9999986525	0.8354550603
0.9092311386	0.9999986525	1.4248615504
0.3601710733	0.9999986525	21.4494540466
0.9515948985	0.9999986525	0.7995849445
0.6312664098	0.9999986525	0
0.7802057575	0.9999986525	1.5104173667
0.2346820651	0.9999986525	0.3491136847
0.085981805	0.9999986525	0
0.7421161922	0.9999986525	0
0.8872120102	0.9999986525	2.1584452756
0.4069662402	0.9999986525	2.5731715999
0.5892016238	0.9999986525	5.8345026763
0.5943692368	0.9999986525	0
0.785473975	0.9999986525	20.5655001692
0.660382378	0.9999986525	14.5016158706
0.4630417763	0.9999986525	0.4346538354
0.2629316312	0.9999986525	0
0.666141592	0.9999986525	13.8274429183
0.1002752261	0.9999986525	4.2628825979
0.2831013051	0.9999986525	2.364625844
0.0724422957	0.9999986525	15.397145024

gene_expression_table

0.4729816619	0.9999986525	0
0.9297723355	0.9999986525	2.2272606527
0.193088481	0.9999986525	0
0.9685306707	0.9999986525	2.2663292274
0.1133110731	0.9999986525	0
0.7753658221	0.9999986525	18.8722237721
0.2376937032	0.9999986525	0
0.8043441258	0.9999986525	2.8003137978
0.0413384418	0.9999986525	0
0.1714888816	0.9999986525	14.9234015898
0.4965007972	0.9999986525	1.6467041305
0.4218810247	0.9999986525	0
0.2584127591	0.9999986525	1.3753087308
0.5735424187	0.9999986525	0
0.2681911931	0.9999986525	2.5601444571
0.85303971	0.9999986525	0.8089499935
0.0226284571	0.9999986525	43.7427627923
0.159155566	0.9999986525	1.9263903643
0.2586737413	0.9999986525	0.7264637995
0.6395120645	0.9999986525	0
0.639844125	0.9999986525	0
0.4436508696	0.9999986525	0
0.8835969582	0.9999986525	0
0.9117553486	0.9999986525	2.3678062419
0.3068962215	0.9999986525	0
0.4729816619	0.9999986525	0
0.714376115	0.9999986525	0
0.1756238409	0.9999986525	1.9226734947
0.881418352	0.9999986525	335.5395058851
0.0006292	0.9999986525	0
0.1306981733	0.9999986525	364.9073758338
0.7137147449	0.9999986525	0
0.7747947712	0.9999986525	4.7014136778
0.336484017	0.9999986525	0
0.9392015858	0.9999986525	5.9753263946
0.4438442904	0.9999986525	0
0.9536518769	0.9999986525	0
0.9083786293	0.9999986525	1.4896777651
0.7007817031	0.9999986525	0
0.2319016736	0.9999986525	0
0.01815353	0.9999986525	4.0765320191
0.299455622	0.9999986525	4.2785959069
0.2302066493	0.9999986525	2.3064457878
0.6217165113	0.9999986525	0.3254012115
0.2048173524	0.9999986525	11.8173091887
0.0997519023	0.9999986525	6.3087759931
0.2169025797	0.9999986525	0
0.5713496927	0.9999986525	15.2625341659
0	0	0

gene_expression_table

0.4099843565	0.9999986525	0
0.7443432812	0.9999986525	0.6285525468
0.7086443461	0.9999986525	23.2950337871
0.4686800015	0.9999986525	116.3943101406
0.3326830721	0.9999986525	0.5665432615
0.2431215694	0.9999986525	0
0.1328120571	0.9999986525	6.6788808521
0.6695057466	0.9999986525	1.8988932595
0.9077103588	0.9999986525	0.8437941274
0.1298976836	0.9999986525	0
0.5628162533	0.9999986525	1.2831473747
0.5827855742	0.9999986525	21.1549615529
0.4415863365	0.9999986525	1.901782207
0.5018315189	0.9999986525	0.6045784546
0.98011302	0.9999986525	10.00815016
0.692542587	0.9999986525	0.671015065
0.3360669815	0.9999986525	0
0.9332567613	0.9999986525	0
0.0188034656	0.9999986525	1.7850228807
0.8210715438	0.9999986525	0.6132738594
0.4274858306	0.9999986525	1.6216008544
0.6746834632	0.9999986525	0
0.9448797969	0.9999986525	3.7282167321
0.412008428	0.9999986525	5.8500130955
0.5629330331	0.9999986525	6.3878789154
0.4147131084	0.9999986525	5.6619706141
0.5990952698	0.9999986525	0
0.3492154261	0.9999986525	22.1602494846
0.9000153205	0.9999986525	0
0.4555848647	0.9999986525	5.6348069122
0.4895090187	0.9999986525	0
0.4104452258	0.9999986525	223.484758913
0.7766538853	0.9999986525	0
0.755722215	0.9999986525	0
0.3925935806	0.9999986525	16.6119495736
0.8261020683	0.9999986525	0
0.1244286477	0.9999986525	46.8936010888
0.7278931336	0.9999986525	0
0.5217852133	0.9999986525	1.1291217739
0.317734465	0.9999986525	0
0.5879880153	0.9999986525	0.8027041299
0	0	0
0.7298011663	0.9999986525	3.2068685546
0.6468407562	0.9999986525	11.8151942341
0.8996965585	0.9999986525	65.9478434168
0	0	0
0.0167420138	0.9999986525	0.1050569569
0.3030454714	0.9999986525	0
0.326618375	0.9999986525	0.1008116602

gene_expression_table

0.6503511544	0.9999986525	0
0	0	0
0.3700734422	0.9999986525	1.193786672
0.6996850614	0.9999986525	0.8857175142
0.5481889872	0.9999986525	0
0.6312664098	0.9999986525	0
0.4093837052	0.9999986525	1.5599113396
0.9620927176	0.9999986525	0.6209092304
0.014805319	0.9999986525	0
0.6398273518	0.9999986525	0
0	0	0
0.6895643234	0.9999986525	0
0.545711	0.9999986525	0.4267687913
0.1826665978	0.9999986525	1.1566273537
0.7706448343	0.9999986525	3.603569748
0.9838689634	0.9999986525	1.6096406152
0.445249854	0.9999986525	0
0.7900921204	0.9999986525	0
0.0636750405	0.9999986525	38.5503052747
0.7825032158	0.9999986525	130.5336584931
0.8150931455	0.9999986525	2.0229792096
0.1335305643	0.9999986525	14.7717466604
0.4144172395	0.9999986525	0
0.1421705406	0.9999986525	26.2420093402
0.7160085406	0.9999986525	0.3316748824
0	0	0
0.7222020317	0.9999986525	0.890382329
0.749081834	0.9999986525	3.1354204697
0.0359451504	0.9999986525	63.9316284061
0.8752010282	0.9999986525	0
0	0	0
0.4870171935	0.9999986525	0
0.2634659854	0.9999986525	141.8204034004
0.0902974251	0.9999986525	7.3639038241
0.6558878915	0.9999986525	7.2729747385
0.0378468582	0.9999986525	0.2976647827
0.30755387	0.9999986525	0
0.3682328758	0.9999986525	0
0.9773880138	0.9999986525	7.8307808295
0.4762533447	0.9999986525	3.0975905118
0.929900234	0.9999986525	0
0.203402674	0.9999986525	0
0.9422691491	0.9999986525	114.2112512588
0.5545690148	0.9999986525	0.8281028933
0.6946409525	0.9999986525	1.8069013044
0.3842704358	0.9999986525	1.1103992226
0.7438862911	0.9999986525	1.1282212745
0.4589276008	0.9999986525	20.0181906409
0.3447733189	0.9999986525	0

gene_expression_table

0.9051987392	0.9999986525	11.5157085258
0.4546815676	0.9999986525	204.3444516305
0.1473678474	0.9999986525	1.8686593152
0.2195218831	0.9999986525	148.604788104
0.5449176458	0.9999986525	9.456574567
0.872115966	0.9999986525	3.6555748902
0.1651240443	0.9999986525	0
0.1476955947	0.9999986525	5.606445525
0.2614603286	0.9999986525	0
0.9294773649	0.9999986525	0
0.6398105398	0.9999986525	0
0.6471840166	0.9999986525	0
0.5474737213	0.9999986525	36.1739165934
0.8628483753	0.9999986525	44.1718296688
0.2196755313	0.9999986525	75.9291750354
0.7988412922	0.9999986525	0.631133928
0.8731218907	0.9999986525	36.6254634024
0.4069883814	0.9999986525	0
0.0942260233	0.9999986525	0.9610481075
0	0	0
0.7760191379	0.9999986525	0
0.8423732642	0.9999986525	6.4732855188
0.0608570783	0.9999986525	24.3494321007
0.2785181718	0.9999986525	1.1965634652
0.3358449838	0.9999986525	0
0.7154104474	0.9999986525	0
0.4819644665	0.9999986525	12.1761194758
0.0914353925	0.9999986525	203.1709731443
0.6312664098	0.9999986525	0
0.5084797278	0.9999986525	0.4386173759
0.4089071717	0.9999986525	31.9101263137
0.2587506737	0.9999986525	448.2086412417
0.460952246	0.9999986525	0
0.7628832858	0.9999986525	1.8361826738
0.8067559013	0.9999986525	1.8904165776
0.009269	0.9999986525	0
0.3296570674	0.9999986525	3.530420791
0.5813912451	0.9999986525	2.4617282664
0.5287608034	0.9999986525	1.5731537658
0.9290095376	0.9999986525	0.7128153947
0.2403359038	0.9999986525	98.2036411795
0.4091751074	0.9999986525	260.5724347702
0.3670064036	0.9999986525	0
0.3707240406	0.9999986525	16.25668895
0.9288192709	0.9999986525	0
0.6663713434	0.9999986525	4.4309208707
0.6980469521	0.9999986525	0.4098677456
0.2509366464	0.9999986525	2.2452987937
0.3927942307	0.9999986525	5.6562100057

gene_expression_table

0.4604708313	0.9999986525	0
0.5012581703	0.9999986525	594.5281601461
0.4070628564	0.9999986525	3.255697092
0.6862429433	0.9999986525	15.9703411631
0.2606315063	0.9999986525	5.9541226198
0.581406359	0.9999986525	19.0434801297
0.1483431508	0.9999986525	0
0.6235138653	0.9999986525	0.43273426
0.4773418832	0.9999986525	6.8524983913
0.5251906308	0.9999986525	0.9462841836
0.1188798494	0.9999986525	0
0.7739328907	0.9999986525	1.1141941779
0	0	0
0.9057589697	0.9999986525	0.6399204942
0.485863833	0.9999986525	59.5226126993
0.6166520002	0.9999986525	181.0467324114
0.2558135371	0.9999986525	77.9541228433
0.7687393831	0.9999986525	0.0469152623
0.3702663368	0.9999986525	0
0.6983594836	0.9999986525	2.7222867337
0.6034398973	0.9999986525	2.9129606317
0.4175022523	0.9999986525	279.48720498
0.2151293488	0.9999986525	1.0667969828
0.2759778169	0.9999986525	275.1074383533
0.9701355278	0.9999986525	1.668607119
0.1843056134	0.9999986525	123.7826208429
0	0	0
0.971713706	0.9999986525	3.7976499767
0.3741872446	0.9999986525	4.2160068832
0.1413969746	0.9999986525	19.3999892953
0.0616962481	0.9999986525	0
0.2306737203	0.9999986525	13.9055149283
0.240591648	0.9999986525	0.4860519444
0.1864474543	0.9999986525	145.801855371
0.6727734277	0.9999986525	0
0.7357274593	0.9999986525	0.5560413365
0.4033358126	0.9999986525	0
0.99334836	0.9999986525	7.321623118
0.6010100773	0.9999986525	0
0.9266527712	0.9999986525	0
0.1463014093	0.9999986525	3.5330186567
0.9127711543	0.9999986525	7.6233346926
0.3114112721	0.9999986525	0
0.1021759511	0.9999986525	2.0846227838
0.6319096759	0.9999986525	0
0.2188269454	0.9999986525	2.3516226919
0.2875824087	0.9999986525	0
0.0581202503	0.9999986525	18.4982339192
0.9113075435	0.9999986525	0.1296355653

gene_expression_table		
0.6398021191	0.9999986525	0
0	0	0
0.3800156094	0.9999986525	0
0.1126264935	0.9999986525	0
0.9698350696	0.9999986525	0
0.8353110555	0.9999986525	1.0859687502
0.5857971278	0.9999986525	6.8641207957
0.6124931888	0.9999986525	0
0.1506841345	0.9999986525	16.0650701829
0.0410328732	0.9999986525	7.5762327107
0.7053374491	0.9999986525	0
0.5198686894	0.9999986525	3.1971619484
0.0867298508	0.9999986525	3.599934443
0	0	0
0.4964586203	0.9999986525	7.4690875727
0.4729816619	0.9999986525	0
0.2193181405	0.9999986525	1.7326121998
0.031070075	0.9999986525	2.3619116108
0.9318364431	0.9999986525	18.1241998031
0.8393152822	0.9999986525	0.9850586259
0.9261768828	0.9999986525	0
0.5126318135	0.9999986525	4.2047958844
0.3933216553	0.9999986525	0
0.3702586551	0.9999986525	2.5420638345
0.8263272532	0.9999986525	18.4406139058
0.6203888315	0.9999986525	0.2269965196
0.4729816619	0.9999986525	0
0.9545304697	0.9999986525	0.5998991143
0.7451917742	0.9999986525	3.2517882108
0.730325233	0.9999986525	9.1347220916
0.9809294333	0.9999986525	0.157437774
0.0470860324	0.9999986525	5.3255942549
0.4729816619	0.9999986525	0
0.1614666614	0.9999986525	3.7501228925
0.6397936884	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0	0	0
0.4951076992	0.9999986525	30.101089355
0.6093786801	0.9999986525	8.5881875612
0.7039041661	0.9999986525	0.6349124007
0.3548843914	0.9999986525	0
0.5218683824	0.9999986525	0
0.500083171	0.9999986525	2.9303622164
0.6083413344	0.9999986525	4.365628487
0.3012392684	0.9999986525	0
0.2418085103	0.9999986525	0
0.511533562	0.9999986525	0
0.6011985578	0.9999986525	49.0273235351

gene_expression_table

0.2526704012	0.9999986525	7.8881892784
0.5535886536	0.9999986525	1.9976215742
0.8099997624	0.9999986525	11.6202240322
0.3675420803	0.9999986525	0
0.9489443145	0.9999986525	8.2403526261
0.3753988602	0.9999986525	39.8445252556
0.3474914356	0.9999986525	191.6151228165
0.1847428013	0.9999986525	7.0938775321
0.4743046041	0.9999986525	0
0.4476782866	0.9999986525	324.6757268011
0.1431541562	0.9999986525	5.2244453681
0.9835158302	0.9999986525	4.6987471732
0.1619002377	0.9999986525	40.4544356457
0.9527492666	0.9999986525	13.1434214226
0.2499534443	0.9999986525	0
0.6727261991	0.9999986525	0
0.7340778099	0.9999986525	4.4320611676
0.460148864	0.9999986525	0
0.0963867944	0.9999986525	0
0.4047262285	0.9999986525	11.1014247754
0.3368825518	0.9999986525	0
0.9157372514	0.9999986525	0
0.7645294352	0.9999986525	0.957728139
0.341802651	0.9999986525	0
0.3667548929	0.9999986525	15.0148549779
0.4232641607	0.9999986525	41.1991821306
0.408733513	0.9999986525	0
0.7819136582	0.9999986525	7.7887444293
0.9729916178	0.9999986525	0
0.3076777365	0.9999986525	0
0.0829687483	0.9999986525	20.9164032579
0.5565636176	0.9999986525	8.8254866067
0.2260794894	0.9999986525	1.4847047742
0.4307264497	0.9999986525	1.1790312367
0.6312664098	0.9999986525	0
0.5885941009	0.9999986525	46.9874717316
0.1990657235	0.9999986525	7.6703098143
0.5848499328	0.9999986525	2.9850177034
0.9121243363	0.9999986525	31.4485556986
0.8196057245	0.9999986525	296.4243039025
0.9991673216	0.9999986525	0
0.0121632608	0.9999986525	4.7733484373
0.6165044973	0.9999986525	571.1916902603
0.3102833537	0.9999986525	35.1292621648
0.1831175483	0.9999986525	0
0.337934731	0.9999986525	3.8476581897
0.5029592461	0.9999986525	81.6878504222
0.2980452614	0.9999986525	61.4383227876
0.6869253521	0.9999986525	4.9028888067

gene_expression_table

0.3406082665	0.9999986525	0
0.4621159996	0.9999986525	47.5182709224
0.0316158863	0.9999986525	7.5437677798
0.7071709561	0.9999986525	0
0.9245795163	0.9999986525	11.2501689693
0.7493132806	0.9999986525	4.9539366125
0.7406416854	0.9999986525	1.8721258469
0.0770082518	0.9999986525	7837.3933222384
0.9169443683	0.9999986525	27.7424498227
0.7889894946	0.9999986525	0
0.993181156	0.9999986525	0.752195722
0.5685418027	0.9999986525	39.5313759179
0.6265984827	0.9999986525	3.4611650977
0.455929951	0.9999986525	6.0915707297
0.589696782	0.9999986525	149.0132781693
0.5575399347	0.9999986525	54.7521441285
0	0	0
0.3961119274	0.9999986525	1.5375007125
0.9794820657	0.9999986525	0
0.3469142262	0.9999986525	0
0.4069215553	0.9999986525	0
0.4357960148	0.9999986525	5.6053829576
0.2344884461	0.9999986525	0
0.7308299872	0.9999986525	0
0.5541258295	0.9999986525	11.2241080942
0.7821615841	0.9999986525	1.6178256464
0.9010265918	0.9999986525	0
0.9349870136	0.9999986525	7.7844967538
0.6637848712	0.9999986525	4.2812839029
0.219555539	0.9999986525	8.6156473452
0.8824915358	0.9999986525	0
0.8318566433	0.9999986525	34.3840613453
0.6842639858	0.9999986525	0
0.4069197331	0.9999986525	0.9884385332
0.6508918192	0.9999986525	6.0192517686
0.4069675129	0.9999986525	24.7952667729
0.052229941	0.9999986525	2.1851473231
0.9620381275	0.9999986525	7.5044642959
0.230362307	0.9999986525	219.3504106398
0.5515268143	0.9999986525	8.5044855339
0.2283522162	0.9999986525	18.7449576668
0	0	0
0.9234954322	0.9999986525	0
0.5315886155	0.9999986525	1.6161053321
0.8411284051	0.9999986525	0
0.8691062166	0.9999986525	16.1690022123
0.1584359313	0.9999986525	0
0.0996155513	0.9999986525	0
0.6328104448	0.9999986525	0

gene_expression_table

0.9082161299	0.9999986525	111.4301642933
0.3516094716	0.9999986525	1.4150501896
0.2162493868	0.9999986525	12.8376077361
0.8488759742	0.9999986525	0.0846184333
0.7694510823	0.9999986525	0
0.7492499617	0.9999986525	20.6627223108
0.0203147865	0.9999986525	2.2762003603
0.1001704454	0.9999986525	0
0.4414249448	0.9999986525	5.9593694166
0.3394509012	0.9999986525	39.8428553258
0.8188205626	0.9999986525	3.8612310445
0.1121112418	0.9999986525	21.4435029611
0.3669101718	0.9999986525	0
0.1314725521	0.9999986525	22.4644484161
0.3115785614	0.9999986525	0
0.8524565404	0.9999986525	2.8003731906
0.5033860854	0.9999986525	0.8059256276
0.1487789171	0.9999986525	0
0.5916318054	0.9999986525	13.2448697746
0.7586166697	0.9999986525	0.7172571902
0.9472968593	0.9999986525	1.2143363889
0.2171200074	0.9999986525	0
0.3200781835	0.9999986525	2.0411964994
0.833538562	0.9999986525	0
0.2750496379	0.9999986525	0
0.8434584851	0.9999986525	0
0.3962922064	0.9999986525	0
0.30755387	0.9999986525	0
0	0	0
0.3097287388	0.9999986525	0.9466459453
0.8191642191	0.9999986525	3.3818655695
0.4081334392	0.9999986525	1.3374675402
0.6397852478	0.9999986525	0
0.1918586339	0.9999986525	0
0	0	0
0.0558264476	0.9999986525	1.3768684036
0.5753965319	0.9999986525	8.3408834942
0.6395003602	0.9999986525	0
0.0659493622	0.9999986525	2.5145892599
0.7139326667	0.9999986525	11.5950313074
0.8065134173	0.9999986525	2.8446195773
0.7693705684	0.9999986525	44.9784428271
0.4226605012	0.9999986525	7.7850704933
0.197542228	0.9999986525	21.3131227709
0.0149560344	0.9999986525	37.8357075141
0.8656813788	0.9999986525	0.2130151783
0.4753389375	0.9999986525	9.8395748908
0.3988226972	0.9999986525	19.9859254105
0.9550838593	0.9999986525	1.9950106987

gene_expression_table

0.7971416113	0.9999986525	1.2700029231
0.1621622503	0.9999986525	3.5826287095
0.8536254581	0.9999986525	5.069876572
0.3368892087	0.9999986525	0
0.1494904659	0.9999986525	0.9050918259
0.4132720269	0.9999986525	0.5607138536
0.2066929164	0.9999986525	2.911301374
0.2991381238	0.9999986525	0
0.487018607	0.9999986525	0
0.9646227886	0.9999986525	0
0.7916108526	0.9999986525	0.9893211117
0.4729816619	0.9999986525	0
0.1723718922	0.9999986525	0
0.4596128639	0.9999986525	2.2473051456
0.5370950148	0.9999986525	0
0.0532748379	0.9999986525	2.9308500681
0.9554579807	0.9999986525	3.2087519681
0.0432090794	0.9999986525	166.1262818299
0	0	0
0.004245	0.9999986525	12.1837035679
0.4618823832	0.9999986525	0
0.7797677737	0.9999986525	0
0.060732515	0.9999986525	2.111408123
0.2244518208	0.9999986525	7.7414790282
0.5025364935	0.9999986525	3.027800162
0.4288112846	0.9999986525	2.2264312669
0.2934408849	0.9999986525	1.8294441489
0.4729816619	0.9999986525	0
0.8628300669	0.9999986525	1.1833990953
0.6798972215	0.9999986525	13.7934963635
0.4709075154	0.9999986525	21.0127986047
0.805298433	0.9999986525	0
0.4729816619	0.9999986525	0
0.7032043166	0.9999986525	0
0.4319721171	0.9999986525	1.4769405807
0.5413412903	0.9999986525	37.2841726141
0.6312664098	0.9999986525	0
0.3414453718	0.9999986525	0.4092737942
0.4767919268	0.9999986525	13.6285189927
0.2927094609	0.9999986525	4.4699473757
0.3212738012	0.9999986525	0
0.4332004989	0.9999986525	3.8002307683
0.4082960114	0.9999986525	0
0.661466077	0.9999986525	15.3320838667
0.1949953277	0.9999986525	0
0.2122535024	0.9999986525	0
0.6863520745	0.9999986525	0.6448533373
0.121961943	0.9999986525	184.9874543829
0.9849577567	0.9999986525	0

gene_expression_table

0.9127903829	0.9999986525	3.6453560344
0.7592160758	0.9999986525	17.3007233683
0.4632433038	0.9999986525	49.4280938009
0.639776797	0.9999986525	0
0.4816711336	0.9999986525	30.1277342991
0.3370696086	0.9999986525	96.7110753091
0.9767596117	0.9999986525	17.9003262799
0.2581214155	0.9999986525	0
0.5031207153	0.9999986525	0
0.4729816619	0.9999986525	0
0.7109035611	0.9999986525	46.9561397878
0.9240048156	0.9999986525	41.3416189638
0.7789872793	0.9999986525	0
0.0979814357	0.9999986525	168.3828171532
0.2199267015	0.9999986525	0
0.1563644298	0.9999986525	6.6608548652
0.0791344102	0.9999986525	3361.622095693
0.1527865298	0.9999986525	329.5720326135
0.5824313215	0.9999986525	0
0.1082712662	0.9999986525	22.4950669675
0.7966869188	0.9999986525	0
0.777317387	0.9999986525	1.2243582675
0.5248982092	0.9999986525	78.567526331
0.1827401473	0.9999986525	0
0.1594875937	0.9999986525	0
0.3189345842	0.9999986525	0
0.5487189791	0.9999986525	99.4144343083
0.1832841417	0.9999986525	7.3803686733
0.2607139725	0.9999986525	15.330600356
0.6312664098	0.9999986525	0
0.810055941	0.9999986525	0
0.0778568861	0.9999986525	27.670045447
0.2237720479	0.9999986525	0
0.1105911955	0.9999986525	0
0.6813850088	0.9999986525	192.1270258901
0.7239111731	0.9999986525	25.6852048567
0.5713537941	0.9999986525	0
0.1420376186	0.9999986525	0
0.6944306499	0.9999986525	5.114654099
0.6260105742	0.9999986525	4040.5071747432
0.2975842109	0.9999986525	15.8149178698
0.6004721424	0.9999986525	16.4171334244
0.5364832568	0.9999986525	89.7585285967
0.9641364034	0.9999986525	620.455429501
0.5821501882	0.9999986525	0
0.3964816474	0.9999986525	48.1143746553
0.321289052	0.9999986525	8.5541475892
0	0	0
0.4729816619	0.9999986525	0

gene_expression_table

0.0838007373	0.9999986525	0
0.9737849156	0.9999986525	22.4453541123
0.355589967	0.9999986525	0
0.506914259	0.9999986525	9.1415736602
0.6098761915	0.9999986525	0
0.2833433477	0.9999986525	2.9042572574
0.0617424929	0.9999986525	1334.3254849455
0.5048444321	0.9999986525	0
0.1042877685	0.9999986525	14.7847788591
0.4870200202	0.9999986525	0
0.112098803	0.9999986525	6.4109148898
0.6134556311	0.9999986525	0
0.6604952196	0.9999986525	21.5127976482
0.2536252358	0.9999986525	0
0.1389901845	0.9999986525	22.5676394515
0.9088867613	0.9999986525	45.6604480343
0.337283462	0.9999986525	0
0.4908686366	0.9999986525	1.0455096155
0.7997557249	0.9999986525	61.2453632311
0.2531748917	0.9999986525	0
0.8339947581	0.9999986525	2.0690244545
0.529512383	0.9999986525	644.0721734916
0.010418569	0.9999986525	93.6260751071
0.0324984533	0.9999986525	12.1454260913
0.0280465935	0.9999986525	10.1257560156
0.240755632	0.9999986525	4.9599848071
0.6982143791	0.9999986525	0
0.3373185288	0.9999986525	0
0.3814364171	0.9999986525	0
0.6280838559	0.9999986525	2.5808418866
0.8311326743	0.9999986525	0
0.9464630949	0.9999986525	116.8950067839
0.2474817552	0.9999986525	4.6697049478
0.6723573749	0.9999986525	68.0453276124
0.4432228427	0.9999986525	6.0015816166
0.1136728009	0.9999986525	0
0.2905394184	0.9999986525	2.6627971275
0.997877321	0.9999986525	0
0.3087531492	0.9999986525	0
0.9294889776	0.9999986525	0
0.8480841491	0.9999986525	0
0.2860618657	0.9999986525	4.7362495046
0.0134620718	0.9999986525	101.1760885561
0.4883632727	0.9999986525	0
0.9298805678	0.9999986525	0
0.3537907378	0.9999986525	0
0.2761654111	0.9999986525	7.7701807012
0.7092379498	0.9999986525	32.6515723192
0.2543113544	0.9999986525	1.4134596073

gene_expression_table

0.0196743534	0.9999986525	0
0.0264719308	0.9999986525	51.5832883472
0.8139372326	0.9999986525	73.9690731461
0.8825561334	0.9999986525	173.5224314484
0.9979189854	0.9999986525	1.5296854031
0.732574532	0.9999986525	70.0217676186
0.4729816619	0.9999986525	0
0.2606406267	0.9999986525	0
0.9293321949	0.9999986525	0
0.8615802846	0.9999986525	1.0317569412
0.6312664098	0.9999986525	0
0.398713836	0.9999986525	107.3938689645
0	0	0
0.047793568	0.9999986525	0
0.9999819331	0.9999986525	2.3826544359
0.7191513778	0.9999986525	0
0.8640725763	0.9999986525	5.9357320888
0.3604807154	0.9999986525	4324.6952567807
0.0299422301	0.9999986525	0
0.0396011972	0.9999986525	17.6773128059
0.2047607229	0.9999986525	0
0.8965924211	0.9999986525	26.6871744448
0.9207176108	0.9999986525	4.4997800312
0.7362415949	0.9999986525	0
0.9594155064	0.9999986525	1.6698601142
0.5007965372	0.9999986525	7.7405713361
0.1679998655	0.9999986525	11.6429133494
0.2671229543	0.9999986525	2.3452006317
0.2687101272	0.9999986525	13.1320739047
0.5438767442	0.9999986525	0.5939820978
0.9739564838	0.9999986525	0.2048837871
0.7442505581	0.9999986525	21.7969121858
0.931783104	0.9999986525	4.6118442713
0.4484988566	0.9999986525	736.9383938555
0.7274762908	0.9999986525	14.2981842914
0.5927120277	0.9999986525	0.4368469141
0.1672591868	0.9999986525	16.5221336868
0.0360753344	0.9999986525	1123.2317887998
0.1755370298	0.9999986525	0
0.0938237336	0.9999986525	0
0.2809380008	0.9999986525	4.0314942286
0.5064606205	0.9999986525	1.2394578385
0.1777594564	0.9999986525	0.7310390785
0.6312664098	0.9999986525	0
0.6722727635	0.9999986525	0
0.0214235405	0.9999986525	0
0.0705963531	0.9999986525	63.9238903732
0.2542097053	0.9999986525	0.8292601153
0.6312664098	0.9999986525	0

gene_expression_table

0.3320073089	0.9999986525	6.2290847813
0.4163081298	0.9999986525	5.709242452
0.4514895792	0.9999986525	0.2312657069
0.9681706947	0.9999986525	2.5258940278
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.1750049713	0.9999986525	26.7358095709
0.7038895986	0.9999986525	66.9263058163
0.3882177062	0.9999986525	1222.9914031687
0.828559309	0.9999986525	1.7398037711
0.261929224	0.9999986525	16.2408962704
0.577513889	0.9999986525	4.1325444622
0.9330530803	0.9999986525	12.9255795953
0.6397683361	0.9999986525	1.0946797294
0.4885800668	0.9999986525	1.1730430719
0.7567673571	0.9999986525	12.3066336307
0.3360455431	0.9999986525	0
0.6312664098	0.9999986525	0
0.3522861506	0.9999986525	1.2049993891
0.2269263712	0.9999986525	5.8977016445
0.3383027691	0.9999986525	309.3222976378
0.4156259374	0.9999986525	2.2214990421
0.9851453928	0.9999986525	2.264456469
0.7549616229	0.9999986525	0.8916901894
0.6925071328	0.9999986525	5.5744205284
0.6312664098	0.9999986525	0
0.4034800762	0.9999986525	0
0.4391502279	0.9999986525	0
0.2997449283	0.9999986525	6.0039695591
0.8510144488	0.9999986525	0.3401196688
0.8169193815	0.9999986525	28.9045773665
0.9752514699	0.9999986525	0.4335868893
0.4055678273	0.9999986525	0
0.9012939942	0.9999986525	0
0.3605667237	0.9999986525	0
0.4966108096	0.9999986525	0
0.1166400808	0.9999986525	25.6336765376
0.4729816619	0.9999986525	0
0.5092727218	0.9999986525	1.8090262454
0.3383637396	0.9999986525	0.7033790351
0.0432789932	0.9999986525	6.8656377285
0	0	0
0.6394886951	0.9999986525	0
0.0376223618	0.9999986525	0
0.7439575538	0.9999986525	7.5214995079
0.0431657154	0.9999986525	0.3843849695
0.2247690925	0.9999986525	0
0.9428993224	0.9999986525	3.5694727106

gene_expression_table

0.9482333445	0.9999986525	3.3173877155
0.0825525265	0.9999986525	44.2258173246
7.18E-07	0.0128849742	0.8227364078
0.0482581436	0.9999986525	0
0.851313452	0.9999986525	1.2079345469
0.4773886349	0.9999986525	0
0.3992189835	0.9999986525	3.4335776659
0.3985744286	0.9999986525	1.0525733065
0.1562763316	0.9999986525	3.1441534887
0.9276848993	0.9999986525	9.3991667959
0.7845617807	0.9999986525	15.5554660186
0.0774507331	0.9999986525	14.0503313459
0.9411146609	0.9999986525	0.2551125882
0.1377033916	0.9999986525	27.0955036772
0.2153279943	0.9999986525	4.6440705419
0.4427442574	0.9999986525	0.6577075744
0.9680242149	0.9999986525	12.422419905
0.5451402219	0.9999986525	0
0.2239246346	0.9999986525	0
0.7056713446	0.9999986525	4.2717610892
0.0854426917	0.9999986525	1.0996942953
0.4706723618	0.9999986525	21.5466504012
0.3253360723	0.9999986525	0.3124529269
0.3402688017	0.9999986525	1.9894495885
0.5038074938	0.9999986525	0
0.9066570314	0.9999986525	11.3487668094
0.7135806036	0.9999986525	1.1645933059
0.9283853037	0.9999986525	0.300033053
0.1452479547	0.9999986525	10.7048910743
0.8209318637	0.9999986525	0
0.2413556786	0.9999986525	79.5390334734
0.0872832363	0.9999986525	1.0571099577
0.8217386525	0.9999986525	0
0.9774687383	0.9999986525	21.2131196206
0.2573595221	0.9999986525	1.0291098641
0.1153636183	0.9999986525	36.2139847535
0.5793763703	0.9999986525	0
0.422055989	0.9999986525	0
0.4072416013	0.9999986525	29.5214746933
0.1102531784	0.9999986525	4.3852025872
0.5474280854	0.9999986525	0
0.7014213864	0.9999986525	0
0.40323737	0.9999986525	0.549812803
0.8659704143	0.9999986525	0
0.0441543765	0.9999986525	8.8669747284
0.3363342885	0.9999986525	17.2933589477
0.8965189403	0.9999986525	120.239318428
0.7055462792	0.9999986525	0
0.0478554143	0.9999986525	4.4952606416

gene_expression_table

0.0835041278	0.9999986525	26.8647797345
0.2909277404	0.9999986525	30.765389258
0.643078944	0.9999986525	0
0.3568610757	0.9999986525	1.0277580779
0.982709041	0.9999986525	0
0.996442141	0.9999986525	0
0.2592720735	0.9999986525	55.9893120679
0.9898093852	0.9999986525	17.7267570686
0.1059130561	0.9999986525	15.2282995256
0.8538186963	0.9999986525	0
0.6454111177	0.9999986525	0
0.5606167934	0.9999986525	2.6121365517
0.7473063055	0.9999986525	0
0.6781389444	0.9999986525	0
0.0832735583	0.9999986525	5.6370923499
0.6030296836	0.9999986525	68.5449944534
0.3499464436	0.9999986525	0
0.124533831	0.9999986525	7.4211842981
0.5720654191	0.9999986525	111.7824464451
0.0569915518	0.9999986525	0
0.1739674207	0.9999986525	437.4217209957
0.2507090536	0.9999986525	0
0.3048726354	0.9999986525	0
0.4812644098	0.9999986525	61.9784676416
0.3163050476	0.9999986525	0
0.5153673924	0.9999986525	4.1447874768
0.2114802796	0.9999986525	1.4990751959
0.8181216886	0.9999986525	0.277548746
0.4072379415	0.9999986525	4.171056565
0.1120774242	0.9999986525	672.6527541206
0.4069466367	0.9999986525	0
0.3193646022	0.9999986525	0
0.1107555214	0.9999986525	104.9774881116
0.8865667032	0.9999986525	6.212305855
0.7224891802	0.9999986525	33.6137463253
0.9928694661	0.9999986525	321.8958881882
0.8956656796	0.9999986525	15.8353076956
0.559264052	0.9999986525	25.6253848745
0.0967880445	0.9999986525	28.5035538521
0.0359256378	0.9999986525	18.3913818548
0.5067351	0.9999986525	61.2582791982
0.5340848548	0.9999986525	641.5573580636
0.775032972	0.9999986525	0
0.7680471082	0.9999986525	0
0.9293892295	0.9999986525	0
0.9183525292	0.9999986525	14.3937949964
0.7168788401	0.9999986525	19.9124040724
0	0	0
0.6316593856	0.9999986525	90.2141111723

gene_expression_table

0.7169990815	0.9999986525	1.4213337162
0.6394770691	0.9999986525	0
0.6582500514	0.9999986525	1.2650949344
0.9178125406	0.9999986525	27.7753011554
0.7135284321	0.9999986525	16.6264499375
0.9117106253	0.9999986525	122.6156818255
0.4036233067	0.9999986525	0
0	0	0
0.3243286149	0.9999986525	10.935313319
0.8625148484	0.9999986525	5.1742841409
0.314524413	0.9999986525	0
0.4729816619	0.9999986525	0
0.810300763	0.9999986525	0
0.9236461713	0.9999986525	12.0924827078
0	0	0
0.5816867306	0.9999986525	17.3482705222
0.1579325048	0.9999986525	0
0	0	0
0.8988865283	0.9999986525	36.2122483631
0.0718684693	0.9999986525	105.1298529387
0.4069257526	0.9999986525	0
0.2824437436	0.9999986525	0
0.6415273325	0.9999986525	1.0836513989
0.3145588914	0.9999986525	0
0.7226672687	0.9999986525	15.2401572361
0.8282401329	0.9999986525	0
0.0330636821	0.9999986525	82.8981124798
0.1121419418	0.9999986525	2.6087388603
0.5562870411	0.9999986525	15.5885236795
0.7328675248	0.9999986525	10.9255105971
0.0888114808	0.9999986525	7.3587736138
0.7151758457	0.9999986525	15.4511371662
0.6451004011	0.9999986525	12.6933649525
0.4216098411	0.9999986525	0
0.4468201889	0.9999986525	0.7904027032
0.0209933224	0.9999986525	4.4131734911
0.6338105617	0.9999986525	227.3848373693
0.9691311484	0.9999986525	550.1449815241
0.709943807	0.9999986525	24.2362958648
0.2542349193	0.9999986525	6.1949387973
0.8774949413	0.9999986525	0
0.0821100029	0.9999986525	0
0.7599392257	0.9999986525	0
0.4655834689	0.9999986525	6664.3155107844
0.4598623752	0.9999986525	16.7652587856
0.6397598648	0.9999986525	0
0.4765447187	0.9999986525	4.9437347399
0.1347466885	0.9999986525	6.0588333549
0.9666807441	0.9999986525	899.3195694639

gene_expression_table

0.3762337051	0.9999986525	9.5487105815
0.7354151858	0.9999986525	42.7989612855
0.2950426666	0.9999986525	9.7776392162
0.318853545	0.9999986525	0
0.5450949837	0.9999986525	46.058649616
0.6515261512	0.9999986525	156.7464811977
0.0115307175	0.9999986525	49.0911710856
0.4105416142	0.9999986525	132.0347955658
0.3933041973	0.9999986525	0
0.2286483525	0.9999986525	24.0063264665
0.5307062792	0.9999986525	155.5638239361
0.4700590538	0.9999986525	221.7378246143
0	0	0
0.8846585901	0.9999986525	3.027279504
0.4227164131	0.9999986525	21.4676180041
0.6901818805	0.9999986525	9.9988485851
0.4367820705	0.9999986525	16.3916568052
0.2309271077	0.9999986525	204.0329079633
0.6013549332	0.9999986525	0
0.1444691015	0.9999986525	188.6211365225
0.4967403528	0.9999986525	31.0670107214
0.0574559075	0.9999986525	11.8532022652
0.0396133356	0.9999986525	2.0931324598
0.0819898737	0.9999986525	29.6540809805
0.1297461079	0.9999986525	12.8532290646
0.6312664098	0.9999986525	0
0.9291482782	0.9999986525	24.6264656469
0.4012251996	0.9999986525	0
0.6534723535	0.9999986525	12.1302298977
0.3297213672	0.9999986525	11.4262011765
0.220189979	0.9999986525	30.1793818436
0.7735298062	0.9999986525	14.7267809624
0.8309525369	0.9999986525	1.4651607847
0.1748268428	0.9999986525	9.3908104954
0.3363333849	0.9999986525	0
0.3169523475	0.9999986525	1826.8108008068
0.8774329004	0.9999986525	33.6180256055
0.7429988974	0.9999986525	1.5709170854
0.7074975526	0.9999986525	0.6346758746
0.5011848107	0.9999986525	52.0550109612
0.1752101831	0.9999986525	119.5648000712
0.008534	0.9999986525	43.0080767315
0.4108684205	0.9999986525	0
0.9928103513	0.9999986525	13.2001795117
0.9392999517	0.9999986525	0
0.8796323721	0.9999986525	49.5905335458
0.4444661414	0.9999986525	879.1598243113
0.0367805856	0.9999986525	41.2378614149
0.0876163429	0.9999986525	14.2001527798

gene_expression_table

0.9449840656	0.9999986525	2.7558922055
0.3418332311	0.9999986525	0
0.0652651138	0.9999986525	0
0.4708766933	0.9999986525	0
0.3191324279	0.9999986525	2287.6085107441
0.6068879891	0.9999986525	42.4094632438
0.7484355433	0.9999986525	9.1421011297
0.3666961366	0.9999986525	12.1290480501
0.9295162806	0.9999986525	19.9340789164
0.8146522785	0.9999986525	0
0.7552395268	0.9999986525	117.0391539641
0.4649752088	0.9999986525	9.7749247134
0.6438507829	0.9999986525	81.4505871631
0.3839069621	0.9999986525	107.6357321098
0.0467746481	0.9999986525	18.5972686214
0.1995608576	0.9999986525	0
0.3234206977	0.9999986525	0
0.6567434416	0.9999986525	5.8030895755
0.6456711678	0.9999986525	85.0465671921
0.3013559081	0.9999986525	12.0350744154
0.6843995529	0.9999986525	148.0135287871
0.4335691843	0.9999986525	0
0.3535469313	0.9999986525	13.6971475841
0.140739134	0.9999986525	0
0.746564093	0.9999986525	0
0.3944311618	0.9999986525	13.4164659536
0.3397761542	0.9999986525	0
0.611831792	0.9999986525	0
0.2201266291	0.9999986525	8556.2574000693
0.2850989984	0.9999986525	20.6062888125
0.2718305203	0.9999986525	40.1118366276
0.748812166	0.9999986525	18.8670141754
0.5151849845	0.9999986525	1.8044319323
0.4994513046	0.9999986525	5.9451031368
0.0525810883	0.9999986525	6.8580597619
0.1944800013	0.9999986525	16.4811727965
0.6549247327	0.9999986525	0
0.3966374956	0.9999986525	0
0.0762825625	0.9999986525	82.2890846381
0.8640990927	0.9999986525	8.3811661075
0.8528752252	0.9999986525	27.0900144782
0.3025448048	0.9999986525	0
0.0393797108	0.9999986525	36.9328099485
0.6067850302	0.9999986525	57.0961278122
0.9928160903	0.9999986525	6.3566128936
0.4862604587	0.9999986525	12.8072551019
0.7523570112	0.9999986525	0
0.9613123148	0.9999986525	0
0.903621637	0.9999986525	67.5873966851

gene_expression_table

0.306701153	0.9999986525	0
0.9485851685	0.9999986525	274.9040446562
0.7905031774	0.9999986525	78.8973980076
0.0796329051	0.9999986525	0
0.5168917699	0.9999986525	0
0.7396799076	0.9999986525	1843.9148287925
0.3921079833	0.9999986525	8.5183739075
0.8270575602	0.9999986525	0
0.5605078243	0.9999986525	0
0.5944777831	0.9999986525	176.0463940877
0.6941162281	0.9999986525	42.8684401188
0.654195449	0.9999986525	6.294114912
0.4826305714	0.9999986525	0
0.5927862383	0.9999986525	22.7548118166
0	0	0
0.2125612602	0.9999986525	0
0.4427058004	0.9999986525	0
0.0989893242	0.9999986525	280.5181557168
0.8066294465	0.9999986525	0
0.5833787455	0.9999986525	43.1385563109
0.9007475664	0.9999986525	0
0.828244314	0.9999986525	0
0.7825673927	0.9999986525	88.3471365445
0.1894777754	0.9999986525	0
0.008041	0.9999986525	92.0905287294
0	0	0
0.5726593378	0.9999986525	10.2095337766
0.2994890162	0.9999986525	47.5250581803
0.9297278851	0.9999986525	0
0.1717173937	0.9999986525	0
0.1152547587	0.9999986525	0
0.4047812161	0.9999986525	167.3975221119
0.87702599	0.9999986525	9.592937649
0.4286314582	0.9999986525	7.125701518
0.0008115	0.9999986525	0
0.1127922703	0.9999986525	4.2554119915
0.6312664098	0.9999986525	0
0.8961268288	0.9999986525	12.3772951081
0.659399138	0.9999986525	3.9552099323
0.9089917025	0.9999986525	8.8341225455
0.0395649061	0.9999986525	33.7083693204
0.7634181689	0.9999986525	12.255705034
0.7408803896	0.9999986525	0
0.1778967854	0.9999986525	0.5346566468
0.5223619138	0.9999986525	0
0.4399761522	0.9999986525	0
0.3691170625	0.9999986525	62.3356957525
0.0268000923	0.9999986525	0
0.4357967602	0.9999986525	0

gene_expression_table

0.7236441466	0.9999986525	4.1833408977
0.0332021495	0.9999986525	136.4632918146
0.1557119373	0.9999986525	16.0114955969
0.6336440247	0.9999986525	5.7657115968
0.6191494252	0.9999986525	55.9469472736
0.9852605379	0.9999986525	0
0.5549495116	0.9999986525	0
0.7453732261	0.9999986525	609.6640224782
0.6848717164	0.9999986525	16.5742721564
0.6397513833	0.9999986525	0
0.1786635783	0.9999986525	228.1378757076
0.4729816619	0.9999986525	0
0.8509804463	0.9999986525	0
0.6312664098	0.9999986525	0
0.2800101128	0.9999986525	10.7127623177
0.0207283939	0.9999986525	19.6091280543
0.5029027589	0.9999986525	0
0.5285860222	0.9999986525	566.1161399872
0.1831401648	0.9999986525	9668.4518492101
0.0915904736	0.9999986525	46.4094184765
0.9507836637	0.9999986525	48.5868612938
0.4729816619	0.9999986525	0
0.9256760125	0.9999986525	24.3270005649
0.5825645088	0.9999986525	5.0939350141
0.4902238578	0.9999986525	78.8136733604
0.1314141731	0.9999986525	146.6258563975
0.2656183046	0.9999986525	3.8531742537
0.8960449201	0.9999986525	1.7890287669
0.9161085666	0.9999986525	34.6580507719
0.098464939	0.9999986525	1.7556651229
0.1492610207	0.9999986525	8.8807090399
0.733694978	0.9999986525	7.8814980191
0.7348209939	0.9999986525	2.3529847063
0.5799786123	0.9999986525	15.2928675912
0.0884315001	0.9999986525	16.8223979061
0.384461507	0.9999986525	1.4370743171
0.4562692641	0.9999986525	5.0625625561
0.7033049474	0.9999986525	0
0.2624288915	0.9999986525	0
0.7687338781	0.9999986525	22.5571974201
0	0	0
0.1014564107	0.9999986525	62.2805639461
0.3725524264	0.9999986525	2.3201651024
0.8267938026	0.9999986525	0
0.615079039	0.9999986525	0
0.6400418947	0.9999986525	45.2012708591
0.8768785032	0.9999986525	1.0919185872
0	0	0
0.1060051474	0.9999986525	0

gene_expression_table

0.2325179124	0.9999986525	0
0.2110856904	0.9999986525	0
0.4772846246	0.9999986525	2.299690185
0.8343081845	0.9999986525	21.2274590942
0.009256	0.9999986525	10.8572875706
0.1267904334	0.9999986525	0
0.9750654622	0.9999986525	147.2829084395
0.2268879662	0.9999986525	8.0755226646
0	0	0
0.2697818395	0.9999986525	0
0.0154839361	0.9999986525	44.912732187
0.6397428913	0.9999986525	0
0.5062675345	0.9999986525	0.7424984989
0.4418006913	0.9999986525	0
0.1131143911	0.9999986525	18.0437028447
0.1054930237	0.9999986525	0
0.0565008459	0.9999986525	41.4085603956
0.8736497935	0.9999986525	0.3459170164
0.5996931988	0.9999986525	5.028460271
0.9722661054	0.9999986525	4.6432539542
0.8532947038	0.9999986525	0
0.7130406163	0.9999986525	15.0075069551
0.9583130402	0.9999986525	0.2671255069
0	0	0
0.7754992252	0.9999986525	7.4108328993
0.7804761177	0.9999986525	2.0646566938
0.6224041824	0.9999986525	63.5929177921
0.2928261762	0.9999986525	2.0695919992
0.3888933674	0.9999986525	2.6447953441
0.0164974775	0.9999986525	12.9224169871
0.2122923483	0.9999986525	0
0.8158996952	0.9999986525	0.3329314722
0.5052097623	0.9999986525	3.7808395996
0.2179342819	0.9999986525	1.5498406029
0.2505223741	0.9999986525	4.0975962624
0.7364191578	0.9999986525	0
0.8400008261	0.9999986525	0
0.9676793616	0.9999986525	4.125442761
0.3373677012	0.9999986525	0
0.4796136394	0.9999986525	1.6935136993
0.9912113643	0.9999986525	1.951048901
0.8594456773	0.9999986525	37.2366050949
0.8689389581	0.9999986525	0
0.8622096676	0.9999986525	0
0.0538179994	0.9999986525	12.6693512265
0.0871911808	0.9999986525	328.7557596062
0.7487157597	0.9999986525	4.344321644
0.5031578117	0.9999986525	0.5786114599
0.5706266305	0.9999986525	0

gene_expression_table

0.3540606729	0.9999986525	3.2199681884
0.4557378877	0.9999986525	0.6413600807
0.00179	0.9999986525	13.6250030897
0.4828712588	0.9999986525	0
0.4741801185	0.9999986525	0.9782710324
0	0	0
0.3887442319	0.9999986525	3.333791076
0.3030555212	0.9999986525	0.6365998882
0.6710479948	0.9999986525	0
0.8373785342	0.9999986525	0.6067078487
0.2277922772	0.9999986525	2.7787841144
0.87146622	0.9999986525	0
0.6909489532	0.9999986525	0
0.4499249152	0.9999986525	56.0916198377
0.2434018497	0.9999986525	1.2442965505
0.9370604257	0.9999986525	0.6587905177
0.7307734814	0.9999986525	0.8776064644
0.3519302776	0.9999986525	0
0.2794034761	0.9999986525	115.6541627124
0.039666138	0.9999986525	13.6427769752
0.6064138103	0.9999986525	2.9987462086
0.1751021675	0.9999986525	3.5334914068
0.420503999	0.9999986525	0.5215339547
0.1179028283	0.9999986525	0.3802188434
0.8962234779	0.9999986525	11.3937210168
0.1587538371	0.9999986525	0
0.1812064955	0.9999986525	0
0.0247820658	0.9999986525	9.2010310499
0.3009398522	0.9999986525	0.846906211
0.0920577058	0.9999986525	1.9335133892
0.1672926947	0.9999986525	19.8872542587
0.0373104904	0.9999986525	0
0.4563032922	0.9999986525	48.7405969129
0.3914027877	0.9999986525	0
0.9191908125	0.9999986525	6.5600948902
0.6573647925	0.9999986525	10.295863387
0.1367585085	0.9999986525	4.8305781196
0.4248669417	0.9999986525	0
0.719842224	0.9999986525	0
0.6340797999	0.9999986525	5.4312955807
0.3738585644	0.9999986525	0.1814967412
0.9624345605	0.9999986525	0.1442940151
0.0308449225	0.9999986525	11.9499317192
0.4041547558	0.9999986525	0
0.7191650588	0.9999986525	0
0.6397343888	0.9999986525	0
0.0376876965	0.9999986525	0
0.00163	0.9999986525	4.6053294582
0.9298608883	0.9999986525	0

gene_expression_table

0.5283974524	0.9999986525	0
0.7344923564	0.9999986525	1.4618420877
0.381892207	0.9999986525	3.0736145159
0.0299007272	0.9999986525	28.2477722729
0.0118149047	0.9999986525	0
0.5934824329	0.9999986525	0
0.6312664098	0.9999986525	0
0.7476671617	0.9999986525	7.4557755706
0.5217513202	0.9999986525	1.1071868142
0.3230023674	0.9999986525	18.8890980781
0.3417432679	0.9999986525	0
0.9686337122	0.9999986525	96.0570602661
0.845195946	0.9999986525	0
0.7249614376	0.9999986525	0.3100572881
0.2300791797	0.9999986525	33.6363777258
0.2429791038	0.9999986525	72.8300412222
0.1871610756	0.9999986525	2.4655206679
0.5933128307	0.9999986525	1.5758527869
0.0833497921	0.9999986525	12.3080676361
0.5169694172	0.9999986525	6.2526837102
0.1369108948	0.9999986525	0
0.582267158	0.9999986525	0.1440433277
0.492397312	0.9999986525	2.8412910602
0.4046172726	0.9999986525	0
0.6397258757	0.9999986525	0
0.3161285155	0.9999986525	0
0.4069048608	0.9999986525	0
0.6397173519	0.9999986525	0
0.6312664098	0.9999986525	0
0.6770356521	0.9999986525	0
0.9070162259	0.9999986525	15.0949621784
0.1205631345	0.9999986525	13.0358754437
0.4729816619	0.9999986525	5.1545889348
0	0	0
0.2383982485	0.9999986525	4.0092551603
0.862386354	0.9999986525	0
0.176648756	0.9999986525	164.9245584775
0.3485880122	0.9999986525	0
0.6914758066	0.9999986525	22.8895918346
0.4444957623	0.9999986525	0.2851469401
0.2606725488	0.9999986525	4.1047618409
0.033438255	0.9999986525	10.4747953642
0.9771832206	0.9999986525	0
0.3172504865	0.9999986525	11.0274049749
0.4790173559	0.9999986525	0
0.0278144669	0.9999986525	4.9994242925
0.9644216034	0.9999986525	0.1533353799
0.4006739162	0.9999986525	2.4097238776
0.0592247297	0.9999986525	0

gene_expression_table

0.1383965071	0.9999986525	0
0.4729816619	0.9999986525	0
0.1429025485	0.9999986525	3.1980976874
0.6158071808	0.9999986525	33.7051058581
0.7345886063	0.9999986525	1.5681324909
0.8209934827	0.9999986525	0.3602119659
0.6009250611	0.9999986525	0
0.6516988212	0.9999986525	0
0.9054334987	0.9999986525	1.3399397896
0.9464847657	0.9999986525	0
0.0240042579	0.9999986525	2.1674717944
0.0630525166	0.9999986525	16.6233575738
0.8840245327	0.9999986525	0
0.9192905772	0.9999986525	0.848232403
0.8508373579	0.9999986525	9.8781517436
0.3741873828	0.9999986525	2.3633825154
0.9953153228	0.9999986525	9.7767342144
0.1351287953	0.9999986525	10.7915648194
0.6312664098	0.9999986525	0
0.6397088173	0.9999986525	0
0.7921520191	0.9999986525	0
0.3258727884	0.9999986525	0
0.1465659419	0.9999986525	16.7072228662
0.1663556394	0.9999986525	14.5266117795
0.5999051341	0.9999986525	1003.9664295146
0.0948729744	0.9999986525	5.8825928076
0.9136516474	0.9999986525	0
0	0	0
0.4750916133	0.9999986525	0
0.1728613791	0.9999986525	27.7639207393
0.6312664098	0.9999986525	0
0.7213586756	0.9999986525	0
0.7312878112	0.9999986525	0
0.2698349898	0.9999986525	0
0.4271235726	0.9999986525	13.0144447466
0.5690361551	0.9999986525	0.6796633236
0.582419006	0.9999986525	0
0.2885219122	0.9999986525	0.267833998
0.7351637336	0.9999986525	5.8018145915
0.0987059067	0.9999986525	5.2384366422
0.6401146293	0.9999986525	24.239911064
0.316016644	0.9999986525	0
0.3612776354	0.9999986525	4.25421227
0.8846928841	0.9999986525	21.4472764371
0.5575145363	0.9999986525	0.6212135356
0.4093332588	0.9999986525	63.1609828225
0.5380546335	0.9999986525	5.796402154
0.9453075485	0.9999986525	0
0.3322631865	0.9999986525	5.7709617439

gene_expression_table		
0.6486397873	0.9999986525	3.9811486677
0.6724683854	0.9999986525	0
0.2170372155	0.9999986525	1.0898343646
0	0	0
0.1701069243	0.9999986525	0
0.5973084006	0.9999986525	0
0.212202328	0.9999986525	0
0	0	0
0.30755387	0.9999986525	0
0	0	0
0.3219542066	0.9999986525	6.6632078709
0.7796738948	0.9999986525	886.5795470074
0.8104064769	0.9999986525	1.1691867267
0.3646096651	0.9999986525	0
0.0291229584	0.9999986525	0
0.3207670562	0.9999986525	13.7755973333
0.267638213	0.9999986525	0
0.9764555348	0.9999986525	41.2788951908
0.2845379744	0.9999986525	0
0.2221170101	0.9999986525	0
0	0	0
0.4037655335	0.9999986525	0
0.5633070233	0.9999986525	0
0.1123801238	0.9999986525	440.7838395216
0.4295746912	0.9999986525	121.7378061306
0.9189894157	0.9999986525	24.1674427515
0.6084657736	0.9999986525	68.7365342097
0.5392991358	0.9999986525	3.7122315475
0.7780527733	0.9999986525	24.3410154286
0.4493323934	0.9999986525	198.7976846662
0.8889155174	0.9999986525	26.8000261636
0.3636933816	0.9999986525	14.0375436058
0.9315552984	0.9999986525	0
0.4794758207	0.9999986525	0
0.245843569	0.9999986525	1.5552717541
0.2472318303	0.9999986525	131.3312353763
0.793888256	0.9999986525	0
0.7472523737	0.9999986525	1.1655099578
0.2472819135	0.9999986525	19.5576060723
0	0	0
0.4529506314	0.9999986525	0.3437041164
0.4413491472	0.9999986525	0
0.9813627838	0.9999986525	3.1997857485
0.4751799376	0.9999986525	4.3238298189
0	0	0
0.5840287416	0.9999986525	0
0.1069629832	0.9999986525	1820.0488742605
0.0943301267	0.9999986525	1.3719275311
0.4729816619	0.9999986525	0

gene_expression_table		
0.5935585772	0.9999986525	0
0.876275586	0.9999986525	0
0	0	0
0.9243827695	0.9999986525	19.8131445927
0.4665197995	0.9999986525	1.3035645619
0.8290212545	0.9999986525	0
0.5018956527	0.9999986525	14.5212862871
0.52466826	0.9999986525	0
0.3340718016	0.9999986525	0
0.9398713556	0.9999986525	0
0.215172353	0.9999986525	3.2873097365
0.8579720362	0.9999986525	0
0.2697984162	0.9999986525	25.0576984285
0.7616480138	0.9999986525	9.1089890007
0.4088467286	0.9999986525	0
0.7768427368	0.9999986525	0
0.6262859845	0.9999986525	150.1752877057
0.556093855	0.9999986525	7.0500808578
0.7038199046	0.9999986525	3.0855258944
0.2926216373	0.9999986525	0
0	0	0
0.8007381907	0.9999986525	0
0.7690577301	0.9999986525	10.2650958652
0.6264344709	0.9999986525	0
0.3152016616	0.9999986525	0
0.5952122875	0.9999986525	5.5020229426
0.8586876429	0.9999986525	0
0.275840106	0.9999986525	34.3641746701
0.3503110749	0.9999986525	34.8491707201
0.8706527906	0.9999986525	0
0.6102608634	0.9999986525	9.9522152403
0.690714721	0.9999986525	4.5723257119
0.0204604566	0.9999986525	3.2795273401
0.3558432951	0.9999986525	5.7762966694
0.9430329444	0.9999986525	0
0.1492380573	0.9999986525	0
0.7303714912	0.9999986525	0.6725553006
0	0	0
0.5142429718	0.9999986525	0
0.1466029528	0.9999986525	16.5956253853
0.5836271028	0.9999986525	0
0.8183710873	0.9999986525	28.8750736392
0.2321204002	0.9999986525	0
0.7475944998	0.9999986525	9.5772813902
0.9470205782	0.9999986525	1.2751902799
0.5978978116	0.9999986525	0.7326007161
0.8098863403	0.9999986525	11.3882004111
0.1883170907	0.9999986525	206.1433186039
0.5911398144	0.9999986525	4.2844096882

gene_expression_table

0.6903339272	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.7169370366	0.9999986525	3.3793492407
0.03249767	0.9999986525	1.9820208367
0.2120741048	0.9999986525	0
0.4328886483	0.9999986525	0.5310813731
0.5492751787	0.9999986525	2.9913295954
0.830215853	0.9999986525	9.9104141186
0.9422402251	0.9999986525	0.7307370822
0.3013763945	0.9999986525	7.492132954
0.1896727677	0.9999986525	0
0.8247133576	0.9999986525	11.8927133438
0.8095077651	0.9999986525	4.4466368197
0.4717975607	0.9999986525	0
0.1082658803	0.9999986525	0
0.4171227852	0.9999986525	60.462413539
0.9569153048	0.9999986525	3.8899549404
0.7370411023	0.9999986525	0
0.6098761915	0.9999986525	0
0.272467691	0.9999986525	48.8138910436
0.3114883438	0.9999986525	17.1376387528
0.2262731177	0.9999986525	3.15156452
0.8622161784	0.9999986525	0
0.7356462253	0.9999986525	62.3537966727
0.5492540032	0.9999986525	1.1329325831
0.9071819682	0.9999986525	0
0.5672972398	0.9999986525	6.6808662884
0.473103606	0.9999986525	0
0.8491437852	0.9999986525	2.0801480229
0.2881945108	0.9999986525	4.9674490431
0.4481298926	0.9999986525	2.2174882742
0.4604435391	0.9999986525	0
0.0774715926	0.9999986525	28.8398024483
0.5032116705	0.9999986525	0
0.9293676082	0.9999986525	0
0.8882639275	0.9999986525	10.9948825286
0.6516088794	0.9999986525	0
0.1095579147	0.9999986525	122.5380933325
0.310636844	0.9999986525	26.0745091219
0.9761805246	0.9999986525	15.4156211986
0.0122742128	0.9999986525	0
0.2173109243	0.9999986525	6.096492927
0.5790346578	0.9999986525	1599.0373165405
0.9323220117	0.9999986525	5.5836044114
0.4161601425	0.9999986525	1835.3867326192
0.4366967023	0.9999986525	12.7454402959
0.6472390588	0.9999986525	41.4660441452
0.6872739372	0.9999986525	45.2391825912

gene_expression_table

0.6312664098	0.9999986525	0
0.1935195961	0.9999986525	8.3791715415
0.6592592855	0.9999986525	0
0.4672206068	0.9999986525	0
0.4187672578	0.9999986525	20.0762486922
0.4998761517	0.9999986525	85.7891057483
0.5807402784	0.9999986525	0
0.5271897777	0.9999986525	8.426229016
0.0790367417	0.9999986525	0
0.6397002719	0.9999986525	0
0.4524801007	0.9999986525	0
0.3247975079	0.9999986525	79.092352267
0.800462984	0.9999986525	7.2786546618
0.2528257683	0.9999986525	1677.1076953067
0.5156893311	0.9999986525	21.7969121858
0.5467200614	0.9999986525	5.5535140091
0.3156600699	0.9999986525	5.7114651483
0.8291381984	0.9999986525	0
0.2630680243	0.9999986525	349.8973537986
0.2789240844	0.9999986525	17.9139536756
0.2451654708	0.9999986525	1398.0729926624
0.419126785	0.9999986525	131.4533672108
0.4119591051	0.9999986525	6.2348205868
0.2529939133	0.9999986525	0
0.6365032419	0.9999986525	0
0	0	0
0.1932896973	0.9999986525	0
0.9999259287	0.9999986525	1.7314335713
0.8035089146	0.9999986525	0
0.2268010977	0.9999986525	0
0.3374169017	0.9999986525	0
0.7824123807	0.9999986525	0.6712069419
0.7844025198	0.9999986525	21.6589974565
0.3306099423	0.9999986525	2.3120394968
0.6128361486	0.9999986525	0
0.7185454152	0.9999986525	0
0.3561412738	0.9999986525	0
0.2029226461	0.9999986525	0
0.6098761915	0.9999986525	0
0.2322698201	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.6694723061	0.9999986525	0
0.2716072055	0.9999986525	0
0.8730848161	0.9999986525	11.2358085792
0.4609464761	0.9999986525	0
0.7290892974	0.9999986525	0
0.6234330454	0.9999986525	0
0.3684913725	0.9999986525	0

gene_expression_table

0.5137951924	0.9999986525	8.0978102156
0.2416824814	0.9999986525	3.5388580961
0.2557383994	0.9999986525	57.0928792842
0.0220603559	0.9999986525	18.8262541206
0.2564387635	0.9999986525	0
0.5246059004	0.9999986525	250.6177584348
0.6703886366	0.9999986525	0
0.7654935332	0.9999986525	8.5015764379
0.6528368918	0.9999986525	16.8450096863
0.5057654736	0.9999986525	0
0.7921863421	0.9999986525	4.1707271757
0.6312664098	0.9999986525	0
0.6606889417	0.9999986525	0
0.7037699882	0.9999986525	0
0.4860288364	0.9999986525	0
0.7040997111	0.9999986525	0
0.3152589361	0.9999986525	11.2131461202
0.6312664098	0.9999986525	0
0.4569067441	0.9999986525	0
0.8480851176	0.9999986525	0
0.6715484981	0.9999986525	0
0.9907519025	0.9999986525	0.2254894702
0.8536509985	0.9999986525	0
0.0729128025	0.9999986525	0
0	0	0
0.3374661302	0.9999986525	0
0.3659702302	0.9999986525	1.0743183177
0.203194741	0.9999986525	0
0.5252188961	0.9999986525	1698.6932762848
0.4729816619	0.9999986525	0.3497679969
0.2037715531	0.9999986525	0.4695196535
0.5197503429	0.9999986525	3.5383048902
0.8135148724	0.9999986525	1.5871474404
0.8066295407	0.9999986525	0.9328608713
0.8985289938	0.9999986525	175.5644524535
0.7525193043	0.9999986525	2.4171129623
0.4887194638	0.9999986525	0
0.7145201824	0.9999986525	1.3562025609
0.6961508576	0.9999986525	0
0.0399987706	0.9999986525	8.3021171463
0.5420435365	0.9999986525	0
0.4458078384	0.9999986525	10.5065734772
0.4068839613	0.9999986525	0
0.6641945709	0.9999986525	1.1539485716
0.6112362835	0.9999986525	0
0.0255319073	0.9999986525	0
0.5062257693	0.9999986525	43.5194146656
0.1524853956	0.9999986525	0
0.406863054	0.9999986525	0

gene_expression_table

0.6608045157	0.9999986525	0
0.6791027053	0.9999986525	470.5026122611
0.5017148566	0.9999986525	0
0.406842139	0.9999986525	0
0.0959640589	0.9999986525	0
0.8774145497	0.9999986525	25.0006713497
0.150527241	0.9999986525	2.0923032337
0.8640106084	0.9999986525	0
0.5890744698	0.9999986525	35.1530339632
0.4664608832	0.9999986525	4.2375889199
0.6369896532	0.9999986525	2.6822938179
0.6695851011	0.9999986525	0
0	0	0
0.3142344794	0.9999986525	0
0.1667817441	0.9999986525	6.2785886678
0.0390014132	0.9999986525	1.612146466
0.3676185095	0.9999986525	6.3482082128
0.3359956036	0.9999986525	0
0.4966812615	0.9999986525	240.3815102656
0.5491984714	0.9999986525	0
0.5979419812	0.9999986525	35.2074733061
0.4729816619	0.9999986525	0
0.1445429037	0.9999986525	0.5501392509
0.0826080868	0.9999986525	5.6413933069
0.349780566	0.9999986525	0
0.2937093745	0.9999986525	8.3328996886
0.9523107781	0.9999986525	0
0.6023311038	0.9999986525	0
0.9421505073	0.9999986525	0
0.1855045388	0.9999986525	16.9637852975
0.6396917154	0.9999986525	0
0.8522331939	0.9999986525	0
0.4944229035	0.9999986525	0
0.7207531986	0.9999986525	0.2121628814
0.007534	0.9999986525	4.7786751924
0.1196621098	0.9999986525	9.3386706911
0.5941993156	0.9999986525	30.8692142853
0.4535035936	0.9999986525	45.3505185947
0.6762872277	0.9999986525	0
0.2426163205	0.9999986525	1.2910255381
0.6665031294	0.9999986525	0
0.2381609281	0.9999986525	0
0.6856884839	0.9999986525	0.6160745887
0	0	0
0.6281079649	0.9999986525	5.799648404
0.3330254973	0.9999986525	27.4548180002
0.550921871	0.9999986525	0.4404340765
0.1491962041	0.9999986525	0.5660231089
0.5037337691	0.9999986525	3.9058734051

gene_expression_table

0.5007292672	0.9999986525	2.3642729938
0.4532931024	0.9999986525	0
0.0109343169	0.9999986525	3.3826886714
0.23242845	0.9999986525	0
0.6403408119	0.9999986525	11.5713417962
0.8622227047	0.9999986525	0
0.0176073476	0.9999986525	2.409064372
0.2668882528	0.9999986525	0
0.9051088874	0.9999986525	0
0.9624187151	0.9999986525	3.0788106696
0.9750248682	0.9999986525	0.5721943311
0.9837800854	0.9999986525	1.7138820549
0.5062757413	0.9999986525	6.3582390906
0.3864824421	0.9999986525	16.8375934834
0	0	0
0.1169709508	0.9999986525	0
0.5773973165	0.9999986525	12.1429916216
0.6213759412	0.9999986525	0.4119746814
0.0596086488	0.9999986525	0.7033087847
0.8789650298	0.9999986525	0.1504391444
0.403906786	0.9999986525	0
0.30755387	0.9999986525	0
0.6715014211	0.9999986525	0
0.6087916266	0.9999986525	0.5470918103
0.3963854872	0.9999986525	4.1897851894
0.3419316018	0.9999986525	8.4486671623
0.3958625599	0.9999986525	30.082687491
0.3438893861	0.9999986525	7.7606658836
0.1348089036	0.9999986525	0
0.6312664098	0.9999986525	0
0.7375869277	0.9999986525	12.0697821608
0.1662508969	0.9999986525	3.4483966065
0.9131503127	0.9999986525	12.5220702346
0.535992493	0.9999986525	0.0889187571
0.3460852182	0.9999986525	0
0.0697558935	0.9999986525	0.470674529
0.8548209181	0.9999986525	0.888350507
0.4190609925	0.9999986525	13.7630564573
0.7866404632	0.9999986525	4.8918195437
0.7152821203	0.9999986525	71.9780827616
0.7103130386	0.9999986525	0
0	0	0
0.2450392257	0.9999986525	0.3362637334
0.4620102334	0.9999986525	3.5903411439
0.1918215194	0.9999986525	0
0.7393692079	0.9999986525	0
0.5943523742	0.9999986525	0
0.5044943329	0.9999986525	45.9820938044
0.2055932259	0.9999986525	4.9906844532

gene_expression_table

0.8884608123	0.9999986525	128.7661172059
0.5182824739	0.9999986525	1.6656338535
0.1236724505	0.9999986525	0
0.38635462	0.9999986525	10.7695591815
0.0663977566	0.9999986525	0
0.4997422627	0.9999986525	0
0.4068002859	0.9999986525	0
0.6006422142	0.9999986525	5.4556075573
0.7001402402	0.9999986525	9.2522893778
0.3097106086	0.9999986525	18.1966366546
0.7332131745	0.9999986525	30.6249581579
0.4422958135	0.9999986525	0
0.1708626259	0.9999986525	0
0.4676372296	0.9999986525	0
0.2369634709	0.9999986525	27.6117518872
0.2570094825	0.9999986525	0
0.6312664098	0.9999986525	0
0.6396831479	0.9999986525	0
0.2631082602	0.9999986525	72.7203136497
0.8038737624	0.9999986525	1.2609568863
0.96834604	0.9999986525	26.3761868951
0.6598945497	0.9999986525	0
0.2429687966	0.9999986525	7399.5970990873
0.5040253387	0.9999986525	268.1501366899
0.3042563248	0.9999986525	255.853214053
0.6674125837	0.9999986525	0
0.5305908703	0.9999986525	5.5031695557
0.1890412097	0.9999986525	0
0.9956304202	0.9999986525	1.315931361
0.4649162623	0.9999986525	38.0942860836
0.8706113399	0.9999986525	0
0.0279783868	0.9999986525	0
0.6038557093	0.9999986525	1.4894782059
0.1239541958	0.9999986525	78.9108703488
0.6207679462	0.9999986525	1.404177343
0.4769977884	0.9999986525	0
0.30755387	0.9999986525	0
0.7092953169	0.9999986525	0
0.0384197412	0.9999986525	6.0049935448
0.412686966	0.9999986525	10.1619945791
0.1514890767	0.9999986525	13.6188546226
0.960623904	0.9999986525	112.1446889316
0.9851157066	0.9999986525	9.670854546
0.6258122287	0.9999986525	2.9397956171
0.9247727775	0.9999986525	5.3349412959
0.1383174864	0.9999986525	0.6501961757
0.7580870367	0.9999986525	1.8376130626
0.6396745693	0.9999986525	0
0.0119437258	0.9999986525	6.0656848773

gene_expression_table

0.7028813312	0.9999986525	0
0.5440747457	0.9999986525	1.0877580835
0.7699031298	0.9999986525	5.0892718117
0.0709405701	0.9999986525	2.3507329962
0.9047637908	0.9999986525	4.6568426914
0.7337291927	0.9999986525	0
0.5203114197	0.9999986525	184.9874543829
0.0609011453	0.9999986525	0
0.6813409687	0.9999986525	15.731753934
0.4238131464	0.9999986525	0
0.9549495256	0.9999986525	5.2700611911
0.1210452044	0.9999986525	0.424388842
0.2701558873	0.9999986525	0.4738650489
0.212203976	0.9999986525	0
0.3253265965	0.9999986525	3.21076772
0.4817700102	0.9999986525	4.6518766191
0.8841503816	0.9999986525	0
0.6375960003	0.9999986525	1.4400130392
0.1028012124	0.9999986525	91.276380875
0	0	0
0.2674640464	0.9999986525	0
0.7733692194	0.9999986525	30.0568125043
0.3460780911	0.9999986525	9.4260071794
0.9663401151	0.9999986525	0
0.8488343114	0.9999986525	0
0.3151624683	0.9999986525	0
0.9494524923	0.9999986525	0
0	0	0
0	0	0
0.337515387	0.9999986525	0
0.3723172782	0.9999986525	24.9732034337
0.4180580662	0.9999986525	0
0.1295516696	0.9999986525	0
0.1564245203	0.9999986525	0
0.1969148835	0.9999986525	0
0.1413359764	0.9999986525	2.2718595185
0.5234537875	0.9999986525	10.4005352947
0.4985435165	0.9999986525	13.1549706025
0.8969680247	0.9999986525	0
0.2073477345	0.9999986525	83.672240536
0.004877	0.9999986525	4.161197465
0.5438908177	0.9999986525	224.4591524618
0.5130408283	0.9999986525	28.182453696
0.0751681481	0.9999986525	7.4527507551
0.5031250983	0.9999986525	2.913710594
0.2966985677	0.9999986525	898.7353451925
0.2681160428	0.9999986525	65.4244883572
0.6897242533	0.9999986525	0
0.9605708744	0.9999986525	19.1667277178

gene_expression_table

0.6312664098	0.9999986525	0
0.8065186155	0.9999986525	0
0.1975468482	0.9999986525	298.4559841642
0.1698176418	0.9999986525	3.2191831175
0.5998592726	0.9999986525	0
0.8656239337	0.9999986525	41.2769974414
0.5743609637	0.9999986525	0
0.9300574536	0.9999986525	0
0.417250549	0.9999986525	14.4379218771
0.8137989693	0.9999986525	7.5599653917
0.3300695299	0.9999986525	22.8236465974
0.5806109113	0.9999986525	1.3480159837
0.4901028074	0.9999986525	9.2224537066
0.0156983357	0.9999986525	15.032628292
0.4289486849	0.9999986525	520.0495230162
0.8321121614	0.9999986525	35.4813021339
0.9428899719	0.9999986525	13.814267528
0.5223688201	0.9999986525	18.9978123116
0.0549859217	0.9999986525	0
0.3705981586	0.9999986525	19.8002692675
0.5462700892	0.9999986525	29.9212045925
0.2994978717	0.9999986525	58.1587030352
0.1073339586	0.9999986525	5.3084649941
0.6879503717	0.9999986525	0
0.2821995535	0.9999986525	0
0.7535117907	0.9999986525	115.0003663066
0.00374	0.9999986525	0
0.5455830136	0.9999986525	1185.8478448356
0.8633785134	0.9999986525	7.5898423836
0.301026616	0.9999986525	15.7166089916
0.5605700087	0.9999986525	33.4901193572
0.5946735413	0.9999986525	6.0866564742
0.8906493469	0.9999986525	13.9830336845
0.8269939785	0.9999986525	7.9716113696
0.9299202401	0.9999986525	9.2058424658
0.6785810202	0.9999986525	0
0.0360564218	0.9999986525	114.0310474908
0.3136959587	0.9999986525	51.0256993974
0.4866334259	0.9999986525	0
0.7338153795	0.9999986525	0
0.9904651656	0.9999986525	90.9800486241
0.4858494499	0.9999986525	468.0132453332
0.8262750834	0.9999986525	18482.7469255389
0.1291542537	0.9999986525	0
0.4896759193	0.9999986525	38.4684078128
0.4729816619	0.9999986525	0
0.2091263076	0.9999986525	28.4557749064
0.178689074	0.9999986525	731.3185546087
0.3500764562	0.9999986525	3.8110779497

gene_expression_table

0.024655762	0.9999986525	13.5566297619
0.6957092893	0.9999986525	33.7684899145
0.865124373	0.9999986525	7.6969518911
0.0195537077	0.9999986525	0
0.9880086642	0.9999986525	23.9285169533
0.1929300128	0.9999986525	98.1837249433
0.0476018759	0.9999986525	5.9238313304
0.7079952134	0.9999986525	0
0.774026713	0.9999986525	5.6615659781
0.1134033389	0.9999986525	20.777779232
0.2300727056	0.9999986525	0
0.7399458053	0.9999986525	0
0.5071704127	0.9999986525	6.406190804
0.8734601233	0.9999986525	495.0886684503
0.5287022404	0.9999986525	99.8796600961
0.9817445923	0.9999986525	179.2370681375
0.7015068496	0.9999986525	2.5412076325
0.3362607235	0.9999986525	0
0.3218835097	0.9999986525	0
0.2403349178	0.9999986525	0
0.3753859216	0.9999986525	0
0.6336119674	0.9999986525	0
0.4067793477	0.9999986525	0
0.5371733175	0.9999986525	1.5974688674
0.0137941172	0.9999986525	16.0455470838
0.3891726679	0.9999986525	23.062846387
0.9068908329	0.9999986525	0
0.8892935447	0.9999986525	0
0.879211285	0.9999986525	305.2827643139
0.9287637588	0.9999986525	0
0.3711191803	0.9999986525	0
0.5362691251	0.9999986525	1.4899320179
0.1674337726	0.9999986525	0
0.8471364362	0.9999986525	0
0.213029692	0.9999986525	60.5956791244
0.9858051209	0.9999986525	20.2401526143
0.6063284047	0.9999986525	13.4386560372
0.1056714004	0.9999986525	27.9764372425
0.1425303576	0.9999986525	58.0641387744
0.6312664098	0.9999986525	0
0.426123111	0.9999986525	30.1301896972
0	0	0
0.0130077273	0.9999986525	0
0.1205306069	0.9999986525	0
0.9573233405	0.9999986525	22.9600774813
0.6615687203	0.9999986525	2.8645613834
0.4334395559	0.9999986525	12.7139909067
0.8670650812	0.9999986525	335.6105797054
0.1389895785	0.9999986525	39.7620314145

gene_expression_table

0.3299931933	0.9999986525	0
0.2848484809	0.9999986525	114.7505013065
0.3593695161	0.9999986525	15.9366077931
0.3934744554	0.9999986525	15.7559421916
0.4762860568	0.9999986525	2.4756910995
0.4057351494	0.9999986525	48.8330481418
0.8884079064	0.9999986525	0
0.6641246615	0.9999986525	0.2179727203
0.2182033414	0.9999986525	1.7677470588
0.9685813848	0.9999986525	0.3996815364
0.1835181145	0.9999986525	0.5441853956
0.3857654787	0.9999986525	5.3246993776
0.9489812912	0.9999986525	0.1740207921
0.2256699892	0.9999986525	1.4676648111
0.0591263084	0.9999986525	2.2592739814
0.6407272854	0.9999986525	1.0550123497
0.2371246046	0.9999986525	4.8533840194
0.7931088501	0.9999986525	12.6280426147
0.7942684115	0.9999986525	0
0.6312664098	0.9999986525	0
0.0667310096	0.9999986525	0
0.4854980794	0.9999986525	3.0858263644
0	0	0
0.6312664098	0.9999986525	0
0.6096604796	0.9999986525	75.5957189967
0.1962403776	0.9999986525	14.3442455273
0.6903918617	0.9999986525	4.0362184353
0.8239329924	0.9999986525	0
0.6296860131	0.9999986525	0.073166192
0.7967621581	0.9999986525	12.7929424049
0.9099580232	0.9999986525	0
0.4989223283	0.9999986525	0
0.3291001118	0.9999986525	25.4693680035
0.3846046018	0.9999986525	4.7372690944
0.1791802833	0.9999986525	2.3441597082
0.8688182667	0.9999986525	8.4737273868
0.459032816	0.9999986525	0
0.5635394879	0.9999986525	16.6835075668
0.0104281175	0.9999986525	53.8917532922
0.6228429754	0.9999986525	15.253851418
0.360303682	0.9999986525	0
0.3516076379	0.9999986525	137.348889505
0	0	0
0.7166987567	0.9999986525	1.2397924418
0.3686322292	0.9999986525	0
0.809935203	0.9999986525	2.8292917863
0.9607664283	0.9999986525	0
0.8173198326	0.9999986525	0
0.3491187423	0.9999986525	0

gene_expression_table

0.6367049064	0.9999986525	0
0.9408045093	0.9999986525	0
0.0505653049	0.9999986525	5.8803004205
0.2220204227	0.9999986525	8.2064409115
0.3370030201	0.9999986525	1.8181810895
0.269888089	0.9999986525	0
0.5740191428	0.9999986525	0
0.126025649	0.9999986525	114.7505013065
0.0890341423	0.9999986525	12.4537630226
0.768614706	0.9999986525	3.7724227305
0.5443456088	0.9999986525	16.6868619988
0.2547951309	0.9999986525	113.2173980287
0.0353303035	0.9999986525	0
0.5970722666	0.9999986525	2.0311775986
0.8928874419	0.9999986525	0
0.5196794201	0.9999986525	0
0.6098761914	0.9999986525	0
0	0	0
0.7756816713	0.9999986525	4.2409550564
0.0743364223	0.9999986525	0
0.3375646718	0.9999986525	0
0.7031937008	0.9999986525	0
0.6312664098	0.9999986525	0
0.0531301771	0.9999986525	77.7056177925
0.8865650887	0.9999986525	0
0.969349189	0.9999986525	0.2358201105
0.900027694	0.9999986525	0
0.1828629573	0.9999986525	0
0.30755387	0.9999986525	0
0.9275328761	0.9999986525	3.6001307584
0.9265860171	0.9999986525	0.5666486227
0.1603980651	0.9999986525	0
0.1590258733	0.9999986525	167.8297302127
0.9830076243	0.9999986525	1.982783546
0.0198304285	0.9999986525	9.7894195044
0.5249562115	0.9999986525	3.0476685016
0	0	0
0.6745603502	0.9999986525	206.744875619
0.3376139849	0.9999986525	0
0.6396659793	0.9999986525	0
0.3241047342	0.9999986525	0.5210528633
0.7350206628	0.9999986525	33.3658174059
0.5384890457	0.9999986525	16.3662591343
0.0896487957	0.9999986525	14.5561056766
0.3230126424	0.9999986525	0
0.7460805667	0.9999986525	0.242823729
0.6290490596	0.9999986525	0
0.150259557	0.9999986525	1.8034460723
0.8126482094	0.9999986525	9.7845831334

gene_expression_table

0.7080677	0.9999986525	0.9890246859
0.6893371051	0.9999986525	0
0.2482698129	0.9999986525	1.2420228873
0.9992051493	0.9999986525	70.7656462811
0.9221459222	0.9999986525	12.0821088307
0.3233112137	0.9999986525	0
0.2567898621	0.9999986525	105.2070084189
0.7063597035	0.9999986525	0.6926052171
0.3250374834	0.9999986525	0
0.4363132687	0.9999986525	2.2280593244
0.9795077052	0.9999986525	13.5838267043
0.2286445448	0.9999986525	2.0998456633
0.152648056	0.9999986525	0.8634804497
0.9169372873	0.9999986525	11.3651642407
0.0939089505	0.9999986525	104.6961920767
0.2156607212	0.9999986525	372.0178098558
0.1819239432	0.9999986525	10.0127499165
0.2482963607	0.9999986525	1.1698341671
0.4968134597	0.9999986525	0
0.9509330611	0.9999986525	1.3586855324
0.464806971	0.9999986525	8.6797186781
0.2840443263	0.9999986525	0
0.2919181384	0.9999986525	2.1242258095
0	0	0
0.1352166275	0.9999986525	0.9667920888
0.2089509932	0.9999986525	0.4959379323
0.6098388555	0.9999986525	28.7403132991
0.4485543157	0.9999986525	3.3600915019
0.3363760981	0.9999986525	0
0.7953284202	0.9999986525	1.2372800653
0.6578391674	0.9999986525	9.1261063527
0.8117406688	0.9999986525	1.0716022771
0.4850026355	0.9999986525	5.7477655167
0.5632129838	0.9999986525	1.3655828889
0.814769891	0.9999986525	85.6812430667
0	0	0
0.9236658972	0.9999986525	0
0.7155526258	0.9999986525	2.2983891534
0.7639891158	0.9999986525	159.0690268793
0.6933449488	0.9999986525	0
0.5865228708	0.9999986525	16.029198213
0.5326362069	0.9999986525	0
0.2999271784	0.9999986525	2.3738192789
0.2135414486	0.9999986525	2.4932218395
0.5088431514	0.9999986525	20.4143623142
0.611979128	0.9999986525	1.5579275848
0.8044644143	0.9999986525	0
0.8914026532	0.9999986525	25.1255557689
0.3048840411	0.9999986525	0

gene_expression_table

0.1304602629	0.9999986525	1.7197348863
0.8588253254	0.9999986525	3.3567812773
0.6098251438	0.9999986525	3.8754923728
0.8979565564	0.9999986525	210.100122233
0.4821741073	0.9999986525	0
0.8943927586	0.9999986525	0.3462276911
0.3048954497	0.9999986525	0
0.5921642963	0.9999986525	0.9182474134
0.0424658647	0.9999986525	8.5630305723
0.6963223867	0.9999986525	5.3477033441
0.7879955252	0.9999986525	0.5152125006
0.4664223509	0.9999986525	0.1542124775
0.8026115336	0.9999986525	5.7760108884
0.2295282344	0.9999986525	1.8680644534
0	0	0
0.30755387	0.9999986525	0
0.5669873573	0.9999986525	6.7383600279
0.0358965824	0.9999986525	53.3339239852
0.6574983291	0.9999986525	101.2266766004
0.9082266076	0.9999986525	3.6658511992
0.3957391176	0.9999986525	0.7049657384
0.2553646127	0.9999986525	1.6265951593
0.222876495	0.9999986525	29.1039226082
0.2292312025	0.9999986525	47.2960461728
0.2665296535	0.9999986525	3.0555554672
0.4632174099	0.9999986525	0
0.3161318768	0.9999986525	0
0.5757976071	0.9999986525	18.2810378077
0.425336195	0.9999986525	3.9878220923
0.2831130266	0.9999986525	13.3106301291
0.9419978066	0.9999986525	4.4037286939
0.4733579286	0.9999986525	0
0.5344078259	0.9999986525	7.1500600049
0.7777232634	0.9999986525	1.412023587
0.508884297	0.9999986525	1.5860511795
0.4140805159	0.9999986525	5.2467631856
0.0127520658	0.9999986525	1.9915501424
0.7143469689	0.9999986525	0
0.4012311414	0.9999986525	14.3624951164
0.2444421951	0.9999986525	3.4260269356
0.0649872652	0.9999986525	85.0630044877
0.0620502317	0.9999986525	9.6906271975
0.4944010522	0.9999986525	48.0913478659
0.7219385581	0.9999986525	39.7919896224
0.025307985	0.9999986525	4.8670441322
0.931909542	0.9999986525	0
0.2197430732	0.9999986525	1.5044985821
0.0384223761	0.9999986525	0
0.0532206708	0.9999986525	59.5129387699

gene_expression_table

0.3376633263	0.9999986525	0
0.8221512297	0.9999986525	0.1668512232
0.7218887158	0.9999986525	12.4693467657
0.3029926597	0.9999986525	5.6767184989
0.0489444849	0.9999986525	3.2233527328
0.1167682765	0.9999986525	0
0.4027524224	0.9999986525	0
0.058331801	0.9999986525	0
0.7406409199	0.9999986525	3.5210452499
0.2012705192	0.9999986525	0.4465009488
0.910611681	0.9999986525	315.3548401328
0.7018770313	0.9999986525	1.9288527894
0.0487065237	0.9999986525	5.6465343791
0.8457251443	0.9999986525	0.2380023804
0.2940721088	0.9999986525	695.4283307049
0.9020633893	0.9999986525	3.475285795
0.3925459838	0.9999986525	4.1562853723
0.2839026325	0.9999986525	0
0.2429808155	0.9999986525	0
0.4916740117	0.9999986525	0
0.2934546741	0.9999986525	88.7628877753
0.4749998418	0.9999986525	0
0.1715039834	0.9999986525	92.6153761093
0.1823368995	0.9999986525	2.0388325443
0.0908328703	0.9999986525	0.6844638901
0.6575824935	0.9999986525	8.7110951799
0.6411255086	0.9999986525	3.1991954585
0.5193205416	0.9999986525	0
0.6491560715	0.9999986525	1.0588619878
0.496804415	0.9999986525	1.1602208973
0.9362337429	0.9999986525	9.0990498294
0.7064864269	0.9999986525	23.4719041853
0.8329412588	0.9999986525	0.4578937084
0.6117766445	0.9999986525	2.088827647
0.3296209267	0.9999986525	2.607043327
0.6701011469	0.9999986525	27.9032720784
0.1077684635	0.9999986525	1.1230313478
0.1589501161	0.9999986525	0
0.9066470806	0.9999986525	37.5721495563
0.747646919	0.9999986525	1.7756158629
0.7165910404	0.9999986525	3.8824247655
0.7439809232	0.9999986525	881.5924526185
0.2730659745	0.9999986525	22.4840790119
0.9711373952	0.9999986525	0
0	0	0
0.639657378	0.9999986525	0
0.2862124015	0.9999986525	0
0.0722369433	0.9999986525	0.8272468121
0.6328699918	0.9999986525	0.5044791119

gene_expression_table

0.700392415	0.9999986525	19.4293822225
0.0780004266	0.9999986525	16.430753363
0.5675062163	0.9999986525	4588.4432501581
0.5122105815	0.9999986525	8.5902673637
0.4274582905	0.9999986525	0
0.3418638096	0.9999986525	0
0.6312664098	0.9999986525	0
0.5061223334	0.9999986525	716.6607825658
0.5754532282	0.9999986525	430.7823672619
0.0621211481	0.9999986525	9.1500204827
0.8726821216	0.9999986525	509.3330392745
0.7991207149	0.9999986525	160.4389428992
0.5689351785	0.9999986525	20.3969869178
0.524062546	0.9999986525	32.9431176849
0.9771900935	0.9999986525	175.4615223465
0.3924625268	0.9999986525	0
0.2638986168	0.9999986525	64.490233232
0.5382069791	0.9999986525	0
0.3404096028	0.9999986525	37.0078608551
0.5460153784	0.9999986525	1.1170220221
0.3488532055	0.9999986525	0
0.5610882672	0.9999986525	7.5014442478
0.9751042517	0.9999986525	0
0.7198112163	0.9999986525	0
0.5079483197	0.9999986525	13.0695170073
0.0598312043	0.9999986525	6.9701790885
0.8823350489	0.9999986525	28.7250724607
0.2733286628	0.9999986525	13.0565928866
0.4942725583	0.9999986525	2.347546093
0.8148524746	0.9999986525	10.2279875204
0.4564192021	0.9999986525	0
0.5206390168	0.9999986525	0
0.6968772671	0.9999986525	13.2573374901
0.3551587699	0.9999986525	21.860065491
0.2250099514	0.9999986525	0
0.2893540736	0.9999986525	48.9437375016
0.5971016442	0.9999986525	0
0.9375484639	0.9999986525	2.6302407045
0.3346449147	0.9999986525	5.387604599
0.5732680306	0.9999986525	0
0.7911004392	0.9999986525	47.4199041314
0.2666676275	0.9999986525	2.6575714903
0.6717833372	0.9999986525	4.530143093
0.614775947	0.9999986525	0.3485492046
0.4077359873	0.9999986525	3.5836416099
0.4193525563	0.9999986525	23.6082062609
0.6161428933	0.9999986525	0.5318836431
0.315862212	0.9999986525	0
0.7964343721	0.9999986525	43.4229759589

gene_expression_table

0.3489217626	0.9999986525	0.9824017527
0.2350844073	0.9999986525	9.2773184068
0.4590103155	0.9999986525	5.1378738789
0.8270556088	0.9999986525	0.9742467852
0.4495600386	0.9999986525	9.8920993119
0.381969536	0.9999986525	351.599315452
0.7774685871	0.9999986525	0
0.4530677972	0.9999986525	4.0319925356
0.7486249327	0.9999986525	8.5656924504
0.2147140729	0.9999986525	14.1833098808
0.6434002888	0.9999986525	9.7166060656
0.1672718137	0.9999986525	2.0647374106
0.3663325418	0.9999986525	56.2508448464
0.3001370401	0.9999986525	12.0703732662
0.82873217	0.9999986525	0
0.7411222701	0.9999986525	34.9093172765
0.8156147274	0.9999986525	47.5876721178
0.7706086618	0.9999986525	24.845813812
0.1923938583	0.9999986525	5.4888711522
0.846912534	0.9999986525	3.2048576941
0.2906670396	0.9999986525	0
0.6818492658	0.9999986525	7.2195530287
0.9151046789	0.9999986525	15.009284043
0.5087710282	0.9999986525	0.3081235566
0.5231804042	0.9999986525	0.8691717598
0.4091903176	0.9999986525	1.8349634572
0.4915658842	0.9999986525	1648.0056909005
0.8560349711	0.9999986525	8.7394786909
0.3242093741	0.9999986525	22.6871706185
0.3898723593	0.9999986525	2.032164309
0.5432608121	0.9999986525	0.2220807784
0.6394654817	0.9999986525	0
0	0	0
0.337712696	0.9999986525	0
0.4785726975	0.9999986525	8.5728530056
0.9290978092	0.9999986525	0
0.7505487248	0.9999986525	0
0.6312664098	0.9999986525	0
0.7967052356	0.9999986525	3.1895672809
0.8790409121	0.9999986525	2012.3924013818
0.6259828217	0.9999986525	2.9787211922
0.4494100979	0.9999986525	2.2590323892
0.5466487942	0.9999986525	16.7197321058
0.1734652047	0.9999986525	82.8481870962
0.8688916968	0.9999986525	4.0455865111
0.9183450659	0.9999986525	40.9304455383
0.7828355308	0.9999986525	6.5591055919
0.8071887112	0.9999986525	0
0.7581357866	0.9999986525	0

gene_expression_table

0.6613170187	0.9999986525	1.1148174277
0	0	0
0	0	0
0.1662657054	0.9999986525	4.9697082847
0.3146991494	0.9999986525	6.0754536094
0.1643590202	0.9999986525	8.8532257525
0.7849826099	0.9999986525	16.0386809257
0.8690235318	0.9999986525	21.0473413385
0.1161375419	0.9999986525	1.5144210078
0.5822776033	0.9999986525	4.0283679666
0.5796614075	0.9999986525	4.0596424326
0.2080200626	0.9999986525	1.6965601743
0.8282936105	0.9999986525	0
0.1263143063	0.9999986525	0
0.58513972	0.9999986525	0
0.2506008007	0.9999986525	0
0.9923925927	0.9999986525	7.9592974495
0.7437998586	0.9999986525	1.4630434612
0.6971497128	0.9999986525	1.3152513567
0.861494355	0.9999986525	0.3928613165
0.3549096519	0.9999986525	0
0.0449786442	0.9999986525	0
0	0	0
0.8552896312	0.9999986525	1.7286708037
0.167670384	0.9999986525	0.4225383883
0.7379323655	0.9999986525	2.5983429217
0.9591512963	0.9999986525	3.5187384445
0.516569095	0.9999986525	0.421009185
0.7425023625	0.9999986525	0.5964439426
0.4688510523	0.9999986525	190.9976044115
0.237872561	0.9999986525	9.1818355748
0.8482543896	0.9999986525	314.8094704934
0.7561676801	0.9999986525	0
0.604549955	0.9999986525	7.3014633493
0.1857582414	0.9999986525	1.4206455301
0.4067584018	0.9999986525	0
0.6312664098	0.9999986525	0
0.9650222667	0.9999986525	2.5172019821
0.4291322585	0.9999986525	0
0.2050961605	0.9999986525	0.3316207348
0.284487512	0.9999986525	0
0.2331018305	0.9999986525	0.1612889892
0.2399681773	0.9999986525	1.1473305141
0.6312664098	0.9999986525	0
0.3377212756	0.9999986525	0
0.6447920486	0.9999986525	6.5016149087
0.6275627082	0.9999986525	391.2142090838
0.5535745455	0.9999986525	6.3837352205
0.2479441314	0.9999986525	3.2571695313

gene_expression_table

0.7306335618	0.9999986525	0.2423245937
0.99310284	0.9999986525	0
0.0949265379	0.9999986525	0
0.804086961	0.9999986525	0
0.8945779507	0.9999986525	0
0.4729816619	0.9999986525	0
0.7585653992	0.9999986525	4.9943656299
0.4386446115	0.9999986525	737.3303302437
0.4744561302	0.9999986525	0
0.9832830335	0.9999986525	156.0862709536
0.7170392311	0.9999986525	3.4604847482
0.7968950857	0.9999986525	3.5118439122
0.3949621945	0.9999986525	16.9710534146
0	0	0
0.9299372692	0.9999986525	0
0.7346054775	0.9999986525	0.5426886654
0.564331663	0.9999986525	1.0075146552
0.1103374233	0.9999986525	0
0.4610626004	0.9999986525	179.9812789109
0	0	0
0.4107492291	0.9999986525	0
0.4974916578	0.9999986525	6.1193796754
0.4678964553	0.9999986525	1.8364522541
0.9460714633	0.9999986525	0
0.858123089	0.9999986525	121.7139183332
0.7429114561	0.9999986525	1.21764002
0.5290239266	0.9999986525	18.6581328742
0.5595387416	0.9999986525	0
0.9865948537	0.9999986525	31.9105988715
0.7102565252	0.9999986525	0.3991921379
0.4204885547	0.9999986525	0.7842263296
0	0	0
0.2405048432	0.9999986525	0
0.6420776752	0.9999986525	0
0.9411061313	0.9999986525	3.3540860581
0.5915786606	0.9999986525	2.2052430964
0	0	0
0.178282429	0.9999986525	0
0.9451852668	0.9999986525	1.0163167884
0.6977597983	0.9999986525	0
0.7480856172	0.9999986525	0
0.6504080829	0.9999986525	0
0.7761348006	0.9999986525	0
0.0501667413	0.9999986525	10.0167914585
0.5676996852	0.9999986525	29.8263354243
0.2161508218	0.9999986525	5.077284967
0.7628149822	0.9999986525	0
0.163991297	0.9999986525	14.9077554572
0.3732320829	0.9999986525	40.001885694

gene_expression_table

0.5939339509	0.9999986525	0
0.0158142382	0.9999986525	31.9189654612
0.3388803119	0.9999986525	7.4778122157
0.4182344417	0.9999986525	4.4761351154
0.146749556	0.9999986525	0
0.6083856502	0.9999986525	0.3882263044
0.4005886972	0.9999986525	0.9521682843
0.2377633222	0.9999986525	3.7799826958
0.8192565733	0.9999986525	9.1651051152
0.0339936515	0.9999986525	0.4078420818
0.4664259991	0.9999986525	7.058796876
0.0134630422	0.9999986525	40.4085066766
0.7294689	0.9999986525	35.3034212743
0.960747827	0.9999986525	1.1069083526
0.5883652336	0.9999986525	3.2093044223
0.058856906	0.9999986525	0
0.416957324	0.9999986525	0.2678958131
0.2934695744	0.9999986525	1.0413762701
0.6791693338	0.9999986525	3.0588392347
0.6312664098	0.9999986525	0
0.361202302	0.9999986525	0
0.3377298607	0.9999986525	0
0.3215135924	0.9999986525	0
0.9735211057	0.9999986525	3.4978421237
0	0	0
0.2857639714	0.9999986525	0.3656891093
0.773110179	0.9999986525	6.3086503953
0.9152716449	0.9999986525	4.7926602896
0.1671981751	0.9999986525	4.1794354437
0.5112783216	0.9999986525	3690.350569691
0.5981171647	0.9999986525	0
0.5366794072	0.9999986525	2.2065867456
0.2271600375	0.9999986525	5.3717992032
0.4595827705	0.9999986525	1.017785709
0.8755791796	0.9999986525	126.4118109385
0.6945236648	0.9999986525	0.8137236261
0.5311904687	0.9999986525	0.7925892162
0.1278834372	0.9999986525	29.9783839172
0.3451046274	0.9999986525	1.1081741605
0.3167771088	0.9999986525	16.3984428357
0.2234712377	0.9999986525	78.8917084868
0.0103897307	0.9999986525	45.5936999088
0.8376178927	0.9999986525	8.5975594382
0.022430824	0.9999986525	14.5978554832
0.4729816619	0.9999986525	0
0.4072610751	0.9999986525	2.2518181721
0.8537595214	0.9999986525	1.1578952518
0.3467384647	0.9999986525	2.3348500163
0.6571555913	0.9999986525	4.1658747196

gene_expression_table

0.1136053668	0.9999986525	0
0.9424977917	0.9999986525	14.2385424928
0.5276008525	0.9999986525	3.9367100778
0.8753586251	0.9999986525	18.9500962419
0.0780888177	0.9999986525	39.4236050631
0.2391282189	0.9999986525	6.2057693798
0.2987059027	0.9999986525	4.4381443888
0.6537774549	0.9999986525	31.9920291199
0.3680287757	0.9999986525	0
0.1838884722	0.9999986525	0
0.107013909	0.9999986525	9.5575076168
0.5332082175	0.9999986525	2.5590618387
0.0784996526	0.9999986525	0
0.2523955396	0.9999986525	2.6389542015
0.2524050177	0.9999986525	0.2892233455
0.0498987059	0.9999986525	3.2105074807
0.6962396253	0.9999986525	0
0.5670615054	0.9999986525	0.6646437068
0.4022751416	0.9999986525	3.0602571692
0.1714159352	0.9999986525	17.7824640493
0.6231574602	0.9999986525	2.0260057629
0.5471851089	0.9999986525	0
0.0437153605	0.9999986525	3.8806655811
0.0516282902	0.9999986525	0
0.2111892239	0.9999986525	9.7092057563
0.1191606673	0.9999986525	29.7934852725
0.8959033253	0.9999986525	4.0139782045
0.2183931317	0.9999986525	25.2719202597
0.9293459594	0.9999986525	0
0.6312664098	0.9999986525	0
0.9536363632	0.9999986525	0.9536966351
0.304592487	0.9999986525	0.5953446647
0.1117779333	0.9999986525	51.6079225622
0.7620538123	0.9999986525	7.4228978533
0.5318255564	0.9999986525	43.4731245923
0.1275893328	0.9999986525	0.6759720069
0.2994702514	0.9999986525	0
0.3515674547	0.9999986525	0
0.4496128289	0.9999986525	1.6005591862
0.4267575849	0.9999986525	119.9028111305
0.1418394105	0.9999986525	12.1430632097
0.8648017186	0.9999986525	0.6617262774
0	0	0
0.3377467591	0.9999986525	0
0.8484181121	0.9999986525	14.9558008947
0.2333359402	0.9999986525	9.1584829294
0.5783557036	0.9999986525	6.1713795597
0.4923749826	0.9999986525	0
0.7022563746	0.9999986525	0

gene_expression_table

0.7099817607	0.9999986525	31.7454928229
0.6394539327	0.9999986525	0
0.7126121989	0.9999986525	28.2339296439
0.0907849957	0.9999986525	10.6255301973
0.0176713973	0.9999986525	0
0.1659088942	0.9999986525	30.825244101
0.5901995679	0.9999986525	0
0.7406562032	0.9999986525	0
0.3025439409	0.9999986525	0
0.8747686864	0.9999986525	4.8311304634
0.0661686669	0.9999986525	0.3749364141
0.3045583883	0.9999986525	0
0.1465429081	0.9999986525	0
0.8651117467	0.9999986525	3.136990162
0.8462505729	0.9999986525	0
0.6522457559	0.9999986525	0
0.6342688116	0.9999986525	0.2092958268
0.7353671241	0.9999986525	6.2542386437
0.1438273446	0.9999986525	17.1920306726
0.3026116726	0.9999986525	0
0.7988141069	0.9999986525	9.9842779409
0.6312664098	0.9999986525	0
0.1049785783	0.9999986525	0.7212060389
0.9661445758	0.9999986525	5.392795627
0.9129263924	0.9999986525	0
0.8853373863	0.9999986525	11.9822850094
0.3479902413	0.9999986525	17.6959279258
0.4246591808	0.9999986525	0.1744254007
0.8562978427	0.9999986525	1.0768022147
0.1111830953	0.9999986525	33.3301774612
0.72303122	0.9999986525	3.7093635501
0.8138992048	0.9999986525	0
0.7463982768	0.9999986525	0
0.8741569811	0.9999986525	6.4220039429
0.0691224167	0.9999986525	6.6566572002
0.1102752919	0.9999986525	0
0.5397033537	0.9999986525	7.0042662016
0.4108907352	0.9999986525	0
0.268838254	0.9999986525	34.0008325603
0.9251788613	0.9999986525	0
0.1516493428	0.9999986525	0
0.1963384522	0.9999986525	3.1019569028
0.6809291806	0.9999986525	129.126061136
0.6135578198	0.9999986525	0
0.8584156295	0.9999986525	59.7022692363
0.1698186029	0.9999986525	0
0.812933811	0.9999986525	2.0535779698
0.9160903698	0.9999986525	20.4853323695
0.5477079546	0.9999986525	2.1524195389

gene_expression_table

0.0907813178	0.9999986525	10.2525701651
0.7120629043	0.9999986525	0
0.3658501434	0.9999986525	24.9947554313
0.5991133891	0.9999986525	0
0.3287559574	0.9999986525	11.5541278115
0.2775708483	0.9999986525	1.9344137989
0.4736928057	0.9999986525	0
0.2322334949	0.9999986525	0
0.9620765795	0.9999986525	12.6094235258
0	0	0
0.6205217823	0.9999986525	1.6074441847
0.1714962661	0.9999986525	0
0.6808672554	0.9999986525	0
0.3377636812	0.9999986525	0
0.2629303392	0.9999986525	0
0.878116715	0.9999986525	6.6166271895
0.9057338844	0.9999986525	20.4251696547
0.784783849	0.9999986525	180.8833488229
0.9556494784	0.9999986525	0
0.3165248995	0.9999986525	0
0.7625003487	0.9999986525	1.6721202541
0.2638223575	0.9999986525	2.9155603647
0.393889476	0.9999986525	3.5662790638
0.6982173982	0.9999986525	48.3669492923
0.4390912398	0.9999986525	0
0.113668929	0.9999986525	0
0.8233446811	0.9999986525	3.8704983951
0.5372353559	0.9999986525	2.4251598313
0	0	0
0.9016655542	0.9999986525	5.7984423366
0.9516839005	0.9999986525	0
0.3805430829	0.9999986525	8.3762921773
0.5771314565	0.9999986525	13.0759886671
0.9609466517	0.9999986525	8.2271077539
0.1401030191	0.9999986525	15.6587755652
0.473283242	0.9999986525	4.8132985397
0.6953951517	0.9999986525	14.2125721815
0.9387808992	0.9999986525	0
0	0	0
0.5603284901	0.9999986525	32.758912186
0.2260739842	0.9999986525	79.9605120762
0.7054736676	0.9999986525	56.1850193897
0.6558128419	0.9999986525	373.394646709
0.5334400971	0.9999986525	0
0.1896949126	0.9999986525	0
0.9649124579	0.9999986525	0
0.4275738762	0.9999986525	0
0.4040470878	0.9999986525	0
0.4897069867	0.9999986525	669.9439944141

gene_expression_table

0.4322443382	0.9999986525	875.6711830269
0.436653247	0.9999986525	43.8289777812
0.4067374483	0.9999986525	0
0.5046442352	0.9999986525	3.6457334916
0.070848044	0.9999986525	7.2056645373
0.4080869697	0.9999986525	0
0.4094396782	0.9999986525	112.0274017793
0.094793386	0.9999986525	0
0.8732645294	0.9999986525	46.7023518391
0.1214362873	0.9999986525	1.01360557
0.4064456244	0.9999986525	2.9416240518
0.5612755749	0.9999986525	31.205387553
0.6884649651	0.9999986525	3.9874607947
0.6448714691	0.9999986525	17.3651451157
0.2346850621	0.9999986525	0
0.6543381096	0.9999986525	80.2033686049
0.3994281624	0.9999986525	5.6679457208
0.0402867559	0.9999986525	173.3944785337
0.3049288305	0.9999986525	0
0.2165786373	0.9999986525	15.8950395946
0.6328903539	0.9999986525	0
0.5632636154	0.9999986525	5.6963725639
0.4420077254	0.9999986525	81.4760170984
0.813951503	0.9999986525	9.6773097987
0.9942003353	0.9999986525	0
0.0535880063	0.9999986525	0
0.4655503314	0.9999986525	67.8624069725
0.9215079999	0.9999986525	0
0	0	0
0.8974391941	0.9999986525	8.552630411
0.874004459	0.9999986525	63.5929177921
0.003857	0.9999986525	297.7367462888
0.1791719375	0.9999986525	0
0.2707036299	0.9999986525	0.5934014767
0.6526266542	0.9999986525	4.236637111
0.9390178142	0.9999986525	0
0.4981499256	0.9999986525	0
0.1787304289	0.9999986525	0
0.9620340226	0.9999986525	281.7681532581
0.4285056437	0.9999986525	99.3559896086
0.6290922228	0.9999986525	14.6705328406
0.5742876355	0.9999986525	0
0.6294868555	0.9999986525	11.1257464138
0.7848930317	0.9999986525	20.3849153656
0.0417613058	0.9999986525	0
0.6689652118	0.9999986525	2.3806675033
0.8056667926	0.9999986525	0
0.5353262145	0.9999986525	36.9623502884
0.3243815649	0.9999986525	210.3342087526

gene_expression_table

0.7199817529	0.9999986525	0
0.1240670412	0.9999986525	187.9498869264
0.0675295437	0.9999986525	15.2070020807
0.4468704073	0.9999986525	133.6384570504
0.344847994	0.9999986525	0
0.7757581019	0.9999986525	0
0.0226338363	0.9999986525	55.55461244
6.77E-05	0.3402364001	0
0.4387380765	0.9999986525	24.0281702576
0.4729816619	0.9999986525	0
0.283454496	0.9999986525	149.1216514625
0.577789682	0.9999986525	0
0.0954069473	0.9999986525	0
0.1613285607	0.9999986525	248.415981348
0.3841736096	0.9999986525	46.4230163138
0.9068472996	0.9999986525	52.2220681209
0.2331854482	0.9999986525	0
0.1308946948	0.9999986525	26.0167084859
0.0112350297	0.9999986525	120.0836165821
0.3126130998	0.9999986525	56.9545111898
0.590144854	0.9999986525	0
0.569379529	0.9999986525	153.4818669777
0.0621743531	0.9999986525	0
0.9058315253	0.9999986525	13.1508760524
0.4362057	0.9999986525	0
0.9041277296	0.9999986525	0
0.4763126467	0.9999986525	84.0985959018
0.9394824875	0.9999986525	0
0.8370994789	0.9999986525	596.8762176506
0.4729816619	0.9999986525	0
0	0	0
0.4729816619	0.9999986525	0
0.5321368017	0.9999986525	2.5998778294
0.068192181	0.9999986525	0
0.7345456219	0.9999986525	0
0.0319571952	0.9999986525	3.1832392512
0.9811778188	0.9999986525	0
0.8567838328	0.9999986525	2.4463119628
0.409262767	0.9999986525	0.4100618675
0.1452482925	0.9999986525	18.4680193116
0.9575545607	0.9999986525	0.8804990552
0.2679172705	0.9999986525	1.2638385734
0.8037014778	0.9999986525	0
0.1177718768	0.9999986525	14.4078890302
0.2927264161	0.9999986525	4.4364667333
0.2374608904	0.9999986525	12.2908815979
0.3402321535	0.9999986525	0
0.003159	0.9999986525	2.1483569493
0.5026359203	0.9999986525	5.6277218237

gene_expression_table

0.40257118	0.9999986525	0
0.4168155495	0.9999986525	5.6977552905
0.7324761741	0.9999986525	0.693897391
0.0947636296	0.9999986525	10.8553349214
0.6046805701	0.9999986525	292.9585602692
0.6217406427	0.9999986525	0.5847573368
0.2405246644	0.9999986525	0
0.9130190202	0.9999986525	2.3877172669
0.3400827575	0.9999986525	3.6876077522
0.2723073919	0.9999986525	0
0.0137326402	0.9999986525	0
0.8016596251	0.9999986525	92.0103104988
0.6396487653	0.9999986525	0
0.7427925637	0.9999986525	2.4584623869
0.8247269494	0.9999986525	4.3855667261
0	0	0
0.0293373705	0.9999986525	0
0.1215532049	0.9999986525	0
0.5611001991	0.9999986525	0
0.8157933208	0.9999986525	8.3823633029
0.7494136233	0.9999986525	22.3184906138
0.9013243727	0.9999986525	0.8131222784
0.4291902881	0.9999986525	5.2589885315
0.6312664098	0.9999986525	0
0.5978569286	0.9999986525	2070.2839161057
0.2859972039	0.9999986525	39.6699435851
0.4713953899	0.9999986525	1083.7690927321
0.6173783619	0.9999986525	97.4067101186
0.05575802	0.9999986525	5.2514585091
0.8690973601	0.9999986525	2.3542958243
0.2529518751	0.9999986525	0
0.00062	0.9999986525	0
0.5420078009	0.9999986525	5.951618456
0.437599792	0.9999986525	601.793470005
0.2704250367	0.9999986525	3.2754848813
0.0882767193	0.9999986525	0.4622500589
0.3153248267	0.9999986525	0
0.006674	0.9999986525	10.588195314
0.5080015583	0.9999986525	0.7766638465
0.1585133021	0.9999986525	0.3702757984
0.158288742	0.9999986525	0
0.0339607153	0.9999986525	0
0.8064871086	0.9999986525	3.7941373918
0.0977724962	0.9999986525	0
0.4958099061	0.9999986525	6.7169352173
0.9058501509	0.9999986525	0
0.1289721959	0.9999986525	36.2401085725
0.0791126646	0.9999986525	0
0.2387783407	0.9999986525	1.2916096411

gene_expression_table

0.6678216619	0.9999986525	79.9526176005
0.0868049151	0.9999986525	0
0.4633773546	0.9999986525	22.1457480857
0.7983597251	0.9999986525	0
0.7552381254	0.9999986525	0
0.664791523	0.9999986525	10.3710141652
0.0675451141	0.9999986525	10.1462788966
0.8551724208	0.9999986525	1.1782246119
0.6569759744	0.9999986525	12.8220243327
0.8371394981	0.9999986525	0.9059845822
0.1127743894	0.9999986525	15.8804736935
0.0416389582	0.9999986525	36.418368657
0.4790011379	0.9999986525	7.2666370702
0.6628929536	0.9999986525	1.7938291633
0.9237471705	0.9999986525	0
0.3219337109	0.9999986525	1.7367286493
0.3775059515	0.9999986525	2.3960583534
0.7432928275	0.9999986525	7.0846787104
0.2227101013	0.9999986525	22.7315513967
0.6045233919	0.9999986525	13.0292138217
0.045484976	0.9999986525	6.0617861748
0.3339972928	0.9999986525	0
0.3215929346	0.9999986525	1.1615623785
0	0	0
0.2108460673	0.9999986525	7.0838189577
0.9792964222	0.9999986525	0.2881959119
0.6528581185	0.9999986525	0
0.1332929215	0.9999986525	1.5902058963
0.547388962	0.9999986525	3.5380283521
0.7312809148	0.9999986525	0
0.6312664098	0.9999986525	0
0.413564616	0.9999986525	10.4075622877
0.7475489349	0.9999986525	23.2959756925
0.9395506155	0.9999986525	0.7009239436
0.0979876471	0.9999986525	0
0.4486840738	0.9999986525	11.0483590244
0.7705456406	0.9999986525	0.8697443037
0.6728245421	0.9999986525	0
0.0777736377	0.9999986525	0.2889243044
0.7591897027	0.9999986525	0
0.4823264683	0.9999986525	0
0.437545299	0.9999986525	2.5191470654
0.2648971625	0.9999986525	0
0.4748345278	0.9999986525	4.0861041934
0.3504103614	0.9999986525	8.205378424
0.4919366604	0.9999986525	5.941268737
0.3377806273	0.9999986525	0
0.491714364	0.9999986525	0.2245995834
0.3511013628	0.9999986525	21.711785499

gene_expression_table

0.4807987756	0.9999986525	0.5146552156
0.4729816619	0.9999986525	0
0.5377570011	0.9999986525	0.9991471315
0.2162524961	0.9999986525	3.1001360781
0.4915319558	0.9999986525	0
0	0	0
0	0	0
0.2115716963	0.9999986525	3.1164169603
0.6331344452	0.9999986525	3.5299488622
0.7080599806	0.9999986525	0
0.8858587807	0.9999986525	0.7338629959
0.2141153046	0.9999986525	8.1893329664
0.8934252974	0.9999986525	1.8138516408
0.1101966388	0.9999986525	0
0.4729816619	0.9999986525	0
0.6148955497	0.9999986525	0
0.6933729028	0.9999986525	1.1858525161
0.9940126839	0.9999986525	32.6818800905
0.1430181839	0.9999986525	0
0	0	0
0.9092063505	0.9999986525	0
0.4198170566	0.9999986525	27.9282260124
0.9971838328	0.9999986525	0
0.9105813292	0.9999986525	0.0429931972
0.330621211	0.9999986525	1.6719085196
0.3345845565	0.9999986525	11.9272624721
0.3701223603	0.9999986525	36.2843713005
0.6905387327	0.9999986525	1.648245868
0.3727789367	0.9999986525	0
0.3932706146	0.9999986525	9.605150173
0.8362175388	0.9999986525	6.6309574345
0.9305072723	0.9999986525	13.3497707949
0.4545949647	0.9999986525	19.4639058431
0	0	0
0.2816958064	0.9999986525	5.3768609764
0.8891981908	0.9999986525	0
0.8688760497	0.9999986525	6.1490183055
0.4833514106	0.9999986525	37.6367666278
0.9384033929	0.9999986525	2.5769423574
0.1768080432	0.9999986525	1.0051369943
0.0972537264	0.9999986525	0
0.540255593	0.9999986525	267.2357538676
0.7695593593	0.9999986525	6.6005021841
0.5943281849	0.9999986525	1.5300694789
0.5592479747	0.9999986525	418.7320209039
0.74100418	0.9999986525	21.404656391
0.8173446487	0.9999986525	0
0.5370423873	0.9999986525	3.0483344334
0.406716487	0.9999986525	0

gene_expression_table

0.6264692362	0.9999986525	0
0.3975228442	0.9999986525	18.1387240617
0.6185490873	0.9999986525	11.0114203724
0.1027126008	0.9999986525	0
0.8004956178	0.9999986525	1.5236395646
0.1428103888	0.9999986525	0.2510095635
0	0	0.0754076268
0.9420204002	0.9999986525	5.9064409345
0.0637396242	0.9999986525	0
0.8431072276	0.9999986525	3.3584889655
0.1803074402	0.9999986525	4.2368798788
0.7408040624	0.9999986525	1.3612185424
0.8682471038	0.9999986525	2.0161172027
0.2219631112	0.9999986525	0
0.128221319	0.9999986525	106.9974032138
0.2699411363	0.9999986525	0
0.6312664098	0.9999986525	0
0.525928632	0.9999986525	0
0.5577593661	0.9999986525	39.9651291913
0.9344246725	0.9999986525	1.4052982339
0.5991640012	0.9999986525	0
0.1128436901	0.9999986525	0
0.6102714005	0.9999986525	5.7456394937
0.040564841	0.9999986525	4.0074298677
0.9042887662	0.9999986525	0
0.2837787995	0.9999986525	0
0.1626454412	0.9999986525	1.9683183597
0.1545535196	0.9999986525	0.9072607812
0.5145117137	0.9999986525	2.9690756817
0.8460155305	0.9999986525	0
0.542447018	0.9999986525	136.5608110166
0.6755709567	0.9999986525	57.1270072756
0.3758515685	0.9999986525	0.4626752598
0.5374479303	0.9999986525	4.0730266432
0.2030129713	0.9999986525	16.5671233114
0.2821035349	0.9999986525	3.569038521
0.241118902	0.9999986525	2.2349421618
0.7048338239	0.9999986525	7.2490165475
0.4729816619	0.9999986525	0
0.35618628	0.9999986525	0
0.6897478237	0.9999986525	15.8054521102
0.1793957653	0.9999986525	6.4949785681
0.5854188083	0.9999986525	0
0.7546101617	0.9999986525	7.047963999
0.5086966787	0.9999986525	35.0697790298
0.8982341471	0.9999986525	137.4964605255
0.7478096791	0.9999986525	16.067863076
0.3289214989	0.9999986525	58.0798220964
0.5189514279	0.9999986525	13.6640726729

gene_expression_table

0.4797579607	0.9999986525	56.3703765272
0.0627912251	0.9999986525	0.3594311747
0.4140862983	0.9999986525	0
0.4632489513	0.9999986525	0
0.7670378099	0.9999986525	4.2191054519
0.4434152756	0.9999986525	0
0.1184668635	0.9999986525	9.9983753564
0.6719129477	0.9999986525	5.984579969
0.4729816619	0.9999986525	0
0.01320769	0.9999986525	50.8192621855
0.3018161943	0.9999986525	0
0.2012748793	0.9999986525	0
0.1206546288	0.9999986525	2.7719476317
0	0	0
0.9762441986	0.9999986525	0
0.1598972669	0.9999986525	4.599714181
0.426853433	0.9999986525	4.9308111499
0.6626504876	0.9999986525	7.4800186328
0.4729816619	0.9999986525	0
0.7561853408	0.9999986525	0
0.5140435611	0.9999986525	1.7055453797
0.2069504	0.9999986525	104.7533735085
0.8783905283	0.9999986525	5.2446317221
0.3215094305	0.9999986525	1.4832037246
0.6022300375	0.9999986525	343.6673939999
0.3504202195	0.9999986525	10.8964573847
0.259908615	0.9999986525	0
0.9558918303	0.9999986525	0.7888855928
0	0	0
0.7338903188	0.9999986525	0
0.9389556137	0.9999986525	0.2760588259
0.3728928972	0.9999986525	4.6145843798
0.3497128008	0.9999986525	2.5424717526
0	0	0
0.9697003699	0.9999986525	0
0.6719684286	0.9999986525	5.4514779342
0.8079919713	0.9999986525	0
0	0	0
0.3619983458	0.9999986525	5.0966878548
0.002504	0.9999986525	0
0.6101143571	0.9999986525	0
0.8352797776	0.9999986525	1.4829634539
0.565495983	0.9999986525	0.6610250476
0.1360892536	0.9999986525	8.8189777735
0.6191450346	0.9999986525	141.2663898813
0.2903677583	0.9999986525	1.8255130561
0.7501931324	0.9999986525	102.8872931
0.6526310884	0.9999986525	13.208648158
0.8175049386	0.9999986525	0.8229543478

gene_expression_table

0.3247331383	0.9999986525	1.8966429012
0.2249481799	0.9999986525	6.5914406523
0.2361613804	0.9999986525	1.0765461399
0.403249938	0.9999986525	7.9607971099
0.792129294	0.9999986525	0
0.6180768187	0.9999986525	0
0.009827	0.9999986525	1.4260734781
0.7515015504	0.9999986525	9.8881893912
0.6896688948	0.9999986525	334.3240823188
0.5531883847	0.9999986525	12.5015192507
0.6848454189	0.9999986525	0
0.131568399	0.9999986525	1.2056458259
0.4886267275	0.9999986525	0
0.5051104229	0.9999986525	2.3096634039
0.7717217834	0.9999986525	1.1801663244
0.5380606355	0.9999986525	58.4871741155
0.2893118119	0.9999986525	0
0.0624729831	0.9999986525	25.0125115919
0.192093695	0.9999986525	0
0.3760221102	0.9999986525	8.8444228423
0.995721625	0.9999986525	0.419985831
0.4045974932	0.9999986525	362.9822558509
0.0334278522	0.9999986525	2.4769683063
0.0371156586	0.9999986525	3.2153613726
0.2596236755	0.9999986525	17.4355149141
0.3531143923	0.9999986525	14.7924334496
0.5190887788	0.9999986525	0
0.436979617	0.9999986525	229.6257314187
0.3944109367	0.9999986525	0.500966746
0.7776265971	0.9999986525	0
0.7658748097	0.9999986525	3.6787204649
0.7027657586	0.9999986525	0.3827927682
0.5022731018	0.9999986525	0
0.639640141	0.9999986525	0
0.8401054457	0.9999986525	119.3780130462
0.6239672728	0.9999986525	0.6434130674
0.0764076056	0.9999986525	0
0.652271709	0.9999986525	0
0.6916021622	0.9999986525	23.6573983807
0.2889427888	0.9999986525	7.5174604265
0.670260698	0.9999986525	0
0.7739219214	0.9999986525	6.5486805822
0.374632953	0.9999986525	0
0.2057159918	0.9999986525	1.1342586465
0.1337666906	0.9999986525	0
0.6652961094	0.9999986525	4.906076937
0.3376694807	0.9999986525	0
0.7246509973	0.9999986525	2.1396632052
0.8576096373	0.9999986525	0

gene_expression_table

0.4317161008	0.9999986525	9.1804675338
0.068366218	0.9999986525	20.5275318623
0.7552143123	0.9999986525	7.446271016
0.8927006539	0.9999986525	1.029551215
0.6296878219	0.9999986525	0
0.2701510071	0.9999986525	4.6491125199
0.6312664098	0.9999986525	0
0.5674444676	0.9999986525	3.470034049
0.2039698934	0.9999986525	28.772752798
0.554248713	0.9999986525	145.8799679877
0.0991380987	0.9999986525	0
0.1935364829	0.9999986525	1.308068463
0.0106928115	0.9999986525	10.2360489624
0.7063825521	0.9999986525	3.6087405689
0.5252001352	0.9999986525	1.8920225774
0.3666137678	0.9999986525	0
0.8428785807	0.9999986525	2.2976225682
0.8417058328	0.9999986525	1.1822070606
0.6310488399	0.9999986525	0.4224201031
0.8816463106	0.9999986525	22.7296297316
0.6728973682	0.9999986525	0
0.9094036734	0.9999986525	95.8162522248
0.4221112419	0.9999986525	11.1451865116
0.1089214712	0.9999986525	16.4940406703
0.7089979672	0.9999986525	46.7852983528
0.3392056312	0.9999986525	67.3754338719
0.2890633505	0.9999986525	12.647443727
0.330438641	0.9999986525	17.5160858636
0.6686980728	0.9999986525	5.9089190229
0.9748965775	0.9999986525	23.5710653172
0.3004342168	0.9999986525	0
0.9478655859	0.9999986525	443.9579288342
0.8629584734	0.9999986525	1.6992211776
0.6505385037	0.9999986525	21.1220469494
0.4406043053	0.9999986525	2.2834501373
0.6563397529	0.9999986525	547.105506488
0.5622336597	0.9999986525	32.0144986407
0.9956241433	0.9999986525	12.8313698315
0	0	0
0.8126071206	0.9999986525	0
0.4638338946	0.9999986525	3.6398289612
0.8910253576	0.9999986525	119.2394819281
0.3157833598	0.9999986525	3.2677835804
0.2367361512	0.9999986525	0
0.4377522189	0.9999986525	6.2971167553
0.6541105442	0.9999986525	0
0.10669186	0.9999986525	144.8657631599
0.585589821	0.9999986525	3.7981181625
0.8472490407	0.9999986525	0

gene_expression_table

0.5252609988	0.9999986525	17.6458129724
0.3377975973	0.9999986525	0
0.8815294998	0.9999986525	56.4854740388
0.7998054722	0.9999986525	44.976724059
0.1557207747	0.9999986525	44.171105291
0	0	0
0.30755387	0.9999986525	0
0.6589724076	0.9999986525	23.0830062178
0.461185945	0.9999986525	2.8434836898
0.7363695858	0.9999986525	1.8630233778
0.0124324191	0.9999986525	2.7243504988
0.4312185611	0.9999986525	17.729484529
0.9653250202	0.9999986525	5.1853080642
0.9293242832	0.9999986525	0
0.37459487	0.9999986525	0
0.2122056253	0.9999986525	0
0.6208256983	0.9999986525	3.0016861977
0.8545920513	0.9999986525	0
0.8062252863	0.9999986525	0
0.8246125154	0.9999986525	0
0.5188177462	0.9999986525	0.1172412896
0.1276901948	0.9999986525	0
0.0558053416	0.9999986525	3.5267666399
0.0781574109	0.9999986525	26.2475986925
0.6831456208	0.9999986525	0
0.3131568796	0.9999986525	0
0.924814951	0.9999986525	0
0	0	0
0.6932614969	0.9999986525	10.7198291422
0.598251519	0.9999986525	0
0	0	0
0.1865096783	0.9999986525	0
0.0810610129	0.9999986525	1.9414918795
0.1800053735	0.9999986525	0.613352204
0.0256385558	0.9999986525	15.411122914
0.3279250074	0.9999986525	3.6650880102
0	0	0
0.1479735131	0.9999986525	41.9309347159
0.4240162976	0.9999986525	44.7106459225
0.238923872	0.9999986525	1.9056421089
0.162367444	0.9999986525	0
0.483187126	0.9999986525	0
0.0197567327	0.9999986525	0.7593625464
0.8298393888	0.9999986525	17.7714939912
0.9698956479	0.9999986525	0
0.2782044585	0.9999986525	1.52041565
0.6732029651	0.9999986525	102.1743436377
0.836111129	0.9999986525	0.9774110656
0.5753106915	0.9999986525	1972.3040001527

gene_expression_table

0.4066955181	0.9999986525	0
0.002521	0.9999986525	6.3562303799
0.8942821655	0.9999986525	0
0.4133405306	0.9999986525	4.5235985873
0.4965705512	0.9999986525	0.4655505644
0.2896556432	0.9999986525	58.352059109
0.6720860674	0.9999986525	0
0.0658816377	0.9999986525	0.4579413524
0.5200282761	0.9999986525	0.2511611632
0.9737102643	0.9999986525	1.0044201521
0.3019355107	0.9999986525	6.2903666301
0.8828015954	0.9999986525	0
0	0	0
0.797096709	0.9999986525	0
0.5114890716	0.9999986525	0.286726738
0.4608761192	0.9999986525	4.1628374104
0.583946562	0.9999986525	2179.908381103
0.8281325806	0.9999986525	0
0.4167143667	0.9999986525	3.513432559
0.7617796418	0.9999986525	4.3967630891
0.572084325	0.9999986525	0
0.2466415936	0.9999986525	21.1462436176
0.9407081457	0.9999986525	196.8465084842
0.3500955766	0.9999986525	11.1000248479
0.3670085038	0.9999986525	2.1647710057
0.5118137658	0.9999986525	41.0896666698
0.9558580499	0.9999986525	8.6682507593
0.8696567605	0.9999986525	20.3685961885
0.5582769022	0.9999986525	168.1971918035
0.6418008556	0.9999986525	6.2655536645
0.1571545862	0.9999986525	185.3462220724
0.7420925044	0.9999986525	6.758403322
0.9728282775	0.9999986525	22.4937496106
0.4538293089	0.9999986525	16.2896987281
0.1109054179	0.9999986525	131.0519062688
0.5138723097	0.9999986525	2.6386509568
0.1981977549	0.9999986525	0
0.6963866041	0.9999986525	28.1899750341
0.4729816619	0.9999986525	0
0.5836412478	0.9999986525	0
0.5329219466	0.9999986525	50.880460719
0.2234873452	0.9999986525	27.6050168442
0.30755387	0.9999986525	0
0.9595986228	0.9999986525	3.6714576452
0.4933784168	0.9999986525	1.1464505194
0.220290428	0.9999986525	11.4498334711
0.2946674566	0.9999986525	49.7519140609
0.3020795422	0.9999986525	31.6728421648
0.7457498213	0.9999986525	30.9738866178

gene_expression_table

0.2600803118	0.9999986525	18.27746192
0.5487261674	0.9999986525	21.7744457746
0.2643540979	0.9999986525	21.4358018039
0.7730514327	0.9999986525	51.9898786497
0.053007675	0.9999986525	0.7098406401
0.4270384679	0.9999986525	1.9772347807
0.9492699212	0.9999986525	88.9216764833
0.6564092711	0.9999986525	5.6570178049
0.1777627242	0.9999986525	1.1498284034
0.9325186212	0.9999986525	1.4446215221
0.4144873461	0.9999986525	0
0.6312664098	0.9999986525	0
0.4216264284	0.9999986525	1.0641316561
0.9977660401	0.9999986525	18.4041024659
0.2441130937	0.9999986525	0
0.4458707176	0.9999986525	0
0.7005142778	0.9999986525	7.3761519088
0.147847231	0.9999986525	0
0.019194632	0.9999986525	20.637490637
0.4618589154	0.9999986525	32.4134140753
0.731254228	0.9999986525	1.8167467554
0.2901491512	0.9999986525	7.7309402366
0.9028144079	0.9999986525	0.2901512906
0.7922695934	0.9999986525	3.2363055926
0.3862080206	0.9999986525	4.0600325352
0.4266580055	0.9999986525	70.5832518895
0.6396315051	0.9999986525	0
0.9463772032	0.9999986525	12.33141715
0.4729816619	0.9999986525	0
0.7637296375	0.9999986525	74.2029058325
0.2063411709	0.9999986525	4.3638850011
0.5003951902	0.9999986525	8.2130344804
0.5920307323	0.9999986525	13.642424567
0.5429681068	0.9999986525	0.9830783505
0.4936593564	0.9999986525	0
0.8213777324	0.9999986525	0
0.7332129557	0.9999986525	2.8885319529
0.474460972	0.9999986525	0
0.128539487	0.9999986525	54.3954145379
0.2820251124	0.9999986525	33.6751869668
0.0322284883	0.9999986525	1006.5619878869
0.7474187478	0.9999986525	0
0.6545298673	0.9999986525	316.5426173085
0.5264607579	0.9999986525	15.6725609258
0.8396857729	0.9999986525	10.1795245461
0.9792061212	0.9999986525	0.1627377046
0.1687481096	0.9999986525	1.2461403007
0.7931437115	0.9999986525	2.628970702
0.6736556879	0.9999986525	77.9813837659

gene_expression_table

0.4521943643	0.9999986525	2.0919924433
0.1539202038	0.9999986525	1.1567286834
0.6184181648	0.9999986525	3450.752037565
0.1292717957	0.9999986525	37.5892543064
0.3361079313	0.9999986525	0
0.0992359945	0.9999986525	0
0.6420515052	0.9999986525	0
0.3378145912	0.9999986525	0
0.3378316093	0.9999986525	1.2820779295
0.8636977554	0.9999986525	5.5305427746
0.2965755051	0.9999986525	0
0.181773245	0.9999986525	0
0.1183165147	0.9999986525	1.1983281879
0.5712613252	0.9999986525	32.7252746379
0.6781856287	0.9999986525	26.3424201837
0.1140192386	0.9999986525	0.8054681211
0	0	0
0.2471191892	0.9999986525	0
0.0256880226	0.9999986525	279.6891546937
0.1947291238	0.9999986525	0.222390311
0.6195536248	0.9999986525	5.6604535272
0.3069462142	0.9999986525	833.505165695
0.6141683097	0.9999986525	8.205732556
0.0680367528	0.9999986525	24.3350070816
0.3541308313	0.9999986525	1.9917848544
0.6325404846	0.9999986525	0.5390367077
0.0357128748	0.9999986525	9.4679706402
0.8868347302	0.9999986525	2.6092302256
0.1553596993	0.9999986525	0
0.3418943863	0.9999986525	0
0.7541109287	0.9999986525	3.3752088644
0.7000047868	0.9999986525	13.7670689414
0.2098282086	0.9999986525	0
0.9972909906	0.9999986525	10.5906451888
0.235379478	0.9999986525	2.4971906865
0.8420725296	0.9999986525	2.170464728
0.6098761914	0.9999986525	0
0.2122072758	0.9999986525	0
0.0968910774	0.9999986525	5.1272720567
0	0	0
0.2348282763	0.9999986525	22.3236005183
0.0598145129	0.9999986525	4.0749593558
0.179417907	0.9999986525	6.4008336133
0.3867403439	0.9999986525	1.5635596609
0.4183848885	0.9999986525	10.2218838199
0.5200366092	0.9999986525	0.7497397644
0.3312587845	0.9999986525	0
0.2203013426	0.9999986525	0
0.0207020901	0.9999986525	21.217983396

gene_expression_table

0.464369221	0.9999986525	0.8220257006
0.9841167438	0.9999986525	0.1263784137
0.3680747012	0.9999986525	0
0.5635437719	0.9999986525	161.2638724467
0.3881042328	0.9999986525	17.959234517
0.4608339643	0.9999986525	52.5250305582
0.003396	0.9999986525	8.6311355166
0.8319806636	0.9999986525	13.8754476649
0.2870143333	0.9999986525	0
0.4255020404	0.9999986525	0
0	0	0
0.7620355911	0.9999986525	0
0.5538144959	0.9999986525	0.6331465351
0.6111102538	0.9999986525	2.0167991074
0.562664099	0.9999986525	0
0.7778340206	0.9999986525	0
0.5975633479	0.9999986525	0
0.7087992871	0.9999986525	1.9813781719
0.1667149918	0.9999986525	0
0.6988556655	0.9999986525	23.9258486121
0.5982204778	0.9999986525	0
0.4729816619	0.9999986525	0
0.2278190209	0.9999986525	1.1062128108
0.5868239419	0.9999986525	0
0.3939868876	0.9999986525	4.0947634871
0.8079241555	0.9999986525	2.3289383954
0.8953422964	0.9999986525	28.6673821996
0.7595467267	0.9999986525	0
0.9031525661	0.9999986525	87.3132258638
0.6887471503	0.9999986525	0.2229338391
0.8980899706	0.9999986525	0.8525661973
0.1213262975	0.9999986525	29.8230544399
0.7152681712	0.9999986525	38.2344335443
0.8780606506	0.9999986525	33.2195652726
0.7659167233	0.9999986525	8.8685381224
0.2951698175	0.9999986525	0
0.2374049907	0.9999986525	1.7767337456
0.4870384255	0.9999986525	0
0.2411919882	0.9999986525	0.116303318
0.5374929182	0.9999986525	7.1081989537
0.0380189028	0.9999986525	18.2422494614
0.2471504701	0.9999986525	188.4865033059
0.4713682113	0.9999986525	4.7246885235
0.5934750459	0.9999986525	8.354517563
0	0	0
0.7301451729	0.9999986525	4.101824338
0.9081142045	0.9999986525	12.5013219725
0.7421176701	0.9999986525	0.9374683173
0.5539132265	0.9999986525	0

gene_expression_table

0.1475455769	0.9999986525	88.6387438763
0.3770956629	0.9999986525	28.4262776515
0.8841904304	0.9999986525	191.7517777926
0.0811208883	0.9999986525	0
0.1236886545	0.9999986525	2.4921760634
0.1713643211	0.9999986525	278.186770339
0.7405473676	0.9999986525	1.5648568363
0.3004408674	0.9999986525	0.9359233069
0.78736089	0.9999986525	47.0712283657
0	0	0
0.2993390948	0.9999986525	13.7250307241
0.0994571251	0.9999986525	22.2416960371
0.2274674095	0.9999986525	2.25705328
0.650891003	0.9999986525	68.6506401961
0.3244068702	0.9999986525	18.7762792329
0	0	0
0.650482881	0.9999986525	3.8003826888
0.1409979366	0.9999986525	32.0901192285
0.2034408865	0.9999986525	9.9375686142
0.4014757064	0.9999986525	5.0372849919
0	0	0
0.8787555021	0.9999986525	0
0.7346002971	0.9999986525	10.5275514398
0.5318515538	0.9999986525	20.9635959283
0.5763590362	0.9999986525	8.1169763358
0.3720727497	0.9999986525	3.1949699478
0.9205116818	0.9999986525	1.5863489266
0.5137794201	0.9999986525	51.5646474495
0.6645505801	0.9999986525	0
0.8062526182	0.9999986525	6.4974556157
0.3630154659	0.9999986525	4.0773502838
0.2273700188	0.9999986525	3.5319610553
0.0617485765	0.9999986525	91.7766257107
0.4159429915	0.9999986525	1134.2458525412
0.260853308	0.9999986525	1.1894222964
0.51527896	0.9999986525	56.9176831839
0.3303187085	0.9999986525	2.6518003252
0.2876284941	0.9999986525	2.447014698
0.0324940525	0.9999986525	53.2749890406
0.4211833184	0.9999986525	0.2137929678
0.0621921645	0.9999986525	129.4458780057
0.0907940405	0.9999986525	1.3976584336
0.9787917441	0.9999986525	7.1091557715
0.9537513111	0.9999986525	3.4622996084
0.3224581774	0.9999986525	6.8562791414
0.4562046649	0.9999986525	20.8924998478
0.4695342107	0.9999986525	20.4671110881
0.9276529538	0.9999986525	0.3915622644
0.3557205108	0.9999986525	0

gene_expression_table

0.8977173871	0.9999986525	66.0360872415
0.3378486515	0.9999986525	0
0.7967109693	0.9999986525	0
0.9021608827	0.9999986525	0
0.2950560979	0.9999986525	0
0.3309490943	0.9999986525	4.6352394441
0.8631074593	0.9999986525	14104.3772812743
0.2761272846	0.9999986525	21.0640602346
0.4656181215	0.9999986525	2.9749531471
0.1828353418	0.9999986525	0
0.3639419675	0.9999986525	0
0.6203917486	0.9999986525	0
0.3456069453	0.9999986525	1.0281728638
0.7763329127	0.9999986525	0.7130078603
0.8482983241	0.9999986525	0
0.6312664098	0.9999986525	0
0.9148306275	0.9999986525	200.9119480937
0.82699059	0.9999986525	6.7289591625
0.8390311789	0.9999986525	0
0.251183001	0.9999986525	30.3721192015
0.5470390426	0.9999986525	14.111055617
0.1334750074	0.9999986525	0
0.666006837	0.9999986525	1.0098649705
0.3794356413	0.9999986525	9.774623195
0.3604798546	0.9999986525	0.4166910058
0.557502068	0.9999986525	0
0.7023995814	0.9999986525	0.4519495304
0.0181963373	0.9999986525	15.1081907472
0.9908051719	0.9999986525	0
0.588784017	0.9999986525	4.6307688055
0.6563139519	0.9999986525	11.9247938494
0.5575982554	0.9999986525	0
0.2937800423	0.9999986525	0
0.351012393	0.9999986525	0
0.4993573347	0.9999986525	8.5611798065
0.2876039523	0.9999986525	10.4155768261
0.8697036205	0.9999986525	0.9272920415
0.6286426529	0.9999986525	3.3293776856
0.3041244455	0.9999986525	3.2258684477
0.8200792922	0.9999986525	34.8089755982
0.4649204685	0.9999986525	42.4810319303
0.2699941318	0.9999986525	0
0.0358747487	0.9999986525	349.8103377447
0.1596157065	0.9999986525	85.4997664372
0.4195234339	0.9999986525	5.590549193
0.1789013351	0.9999986525	37.4832634679
0.1482989545	0.9999986525	233.350086123
0.2517904809	0.9999986525	181.1021627992
0.0734644785	0.9999986525	14.240492569

gene_expression_table

0.4318935654	0.9999986525	4.3233397369
0.6017489127	0.9999986525	71.8556710562
0.2680937777	0.9999986525	0
0.6591683833	0.9999986525	222.0108659677
0.5082406964	0.9999986525	0
0.3541642566	0.9999986525	16.3903850497
0.2688354447	0.9999986525	3.0549113399
0.4720072463	0.9999986525	2.8250038723
0.9233934854	0.9999986525	14.9318400414
0.2572976241	0.9999986525	7161.2092510251
0.9496560369	0.9999986525	16.4683249848
0.9369154406	0.9999986525	2.7430101915
0.1450903485	0.9999986525	18.8312886262
0.9421812802	0.9999986525	0.413228579
0.9057136526	0.9999986525	0
0.5322026814	0.9999986525	40.5053006369
0.1686140292	0.9999986525	0
0.9849606314	0.9999986525	0.5686344873
0.003013	0.9999986525	14.1668235586
0.0217279069	0.9999986525	8.6385977097
0.1925479966	0.9999986525	56.2841257005
0.8196398392	0.9999986525	1.1579242648
0.7222917656	0.9999986525	7.6336450048
0.4913900773	0.9999986525	0
0.3074132462	0.9999986525	10.2149641171
0.2582505154	0.9999986525	1.9295574961
0.9868474281	0.9999986525	17.42458536
0.7869615537	0.9999986525	0
0.7578330382	0.9999986525	5.8513093537
0.5874448067	0.9999986525	92.8582289659
0.8158955873	0.9999986525	19.1956530271
0.5956746153	0.9999986525	0
0.2333639439	0.9999986525	383.4041250549
0.2695271609	0.9999986525	7.101031022
0.4504710576	0.9999986525	0
0.7396233663	0.9999986525	0
0.7453591426	0.9999986525	0
0.1918226825	0.9999986525	423.2054026709
0.5622966111	0.9999986525	40.7148283898
0.8957731729	0.9999986525	0
0.4729816619	0.9999986525	0
0.7272759992	0.9999986525	26.6937960856
0.6842442451	0.9999986525	0
0.0637800552	0.9999986525	10.810642187
0.5797421376	0.9999986525	0
0.7842321321	0.9999986525	17.2573355312
0.5649363667	0.9999986525	213.0411607285
0.4021250008	0.9999986525	10.0500948088
0.5089902261	0.9999986525	64.269578751

gene_expression_table

0.0795702792	0.9999986525	0
0.6006496191	0.9999986525	67.4283580678
0.4067108667	0.9999986525	0.6129749098
0.8001284885	0.9999986525	141.9829425256
0.5067235335	0.9999986525	536.6212602477
0.9051164335	0.9999986525	0
0.8023600063	0.9999986525	2.4344942485
0.4190926531	0.9999986525	0
0.794291572	0.9999986525	1.2677673066
0.8107824783	0.9999986525	0
0.6834646241	0.9999986525	0.7969265787
0.63298459	0.9999986525	0
0.197165601	0.9999986525	0
0.2632601068	0.9999986525	5.2682212695
0.3888262802	0.9999986525	2839.0090429953
0.2589464364	0.9999986525	0
0.1183205852	0.9999986525	5.0458514757
0.5123359159	0.9999986525	3.9586192127
0.7523575135	0.9999986525	0
0.2064159874	0.9999986525	76.1477708721
0.9166783934	0.9999986525	2.2003965597
0.1049735521	0.9999986525	0
0.2144890043	0.9999986525	0
0.9166507814	0.9999986525	1.6628892925
0.8622574456	0.9999986525	0
0.4704424805	0.9999986525	0
0.2874566068	0.9999986525	0
0.5451821123	0.9999986525	0
0.4464179273	0.9999986525	0
0.1547348997	0.9999986525	0
0.8648837348	0.9999986525	6.9702940776
0.7971892167	0.9999986525	8.2207048372
0.9083034003	0.9999986525	197.1234386856
0.7657064734	0.9999986525	64.154661557
0.0842378591	0.9999986525	18.2503993733
0.6714074023	0.9999986525	0
0.3387189844	0.9999986525	1.3317258887
0.1709402094	0.9999986525	0
0.6334928103	0.9999986525	0.8593614234
0.7467864808	0.9999986525	7.4108155679
0.6682721078	0.9999986525	0.6650822851
0.540592239	0.9999986525	66.6421681089
0.406498459	0.9999986525	23.7989868087
0.3205752142	0.9999986525	1.5431836789
0.1779897191	0.9999986525	34.3430702675
0.9351996292	0.9999986525	2.5475817966
0.269965087	0.9999986525	0
0.3352210936	0.9999986525	0
0.1257284708	0.9999986525	10.7149357327

gene_expression_table

0.0638485753	0.9999986525	6.4739373192
0.340479609	0.9999986525	2.8868346507
0.7495941206	0.9999986525	74.2610931742
0.2128842149	0.9999986525	3.0215640612
0.166568851	0.9999986525	0
0.7361173917	0.9999986525	0
0.8063121231	0.9999986525	0
0.7013027923	0.9999986525	0
0.1876048216	0.9999986525	0
0.3964827263	0.9999986525	0
0.3881229861	0.9999986525	52.8879613722
0.1677847001	0.9999986525	4.1398653508
0.0886424749	0.9999986525	0
0.0759968404	0.9999986525	2.6174659014
0.347686177	0.9999986525	142.1486736995
0.4535910816	0.9999986525	0
0.9964442041	0.9999986525	374.9607657403
0.5642914726	0.9999986525	0
0.6402790344	0.9999986525	96.7730979868
0.9985134094	0.9999986525	0
0.6261678388	0.9999986525	13.4347660023
0.6248545567	0.9999986525	16.9246057022
0.4983271145	0.9999986525	6.4580482057
0.5006880774	0.9999986525	67.4960951301
0.0407299139	0.9999986525	23.2537505399
0.1930659923	0.9999986525	2.5929849875
0.4339311703	0.9999986525	30.6624722223
0.2834167384	0.9999986525	191.8181049382
0.630161503	0.9999986525	57.6151835196
0.1888236793	0.9999986525	22.1488438777
0.1267405007	0.9999986525	2.18185236
0.5720037523	0.9999986525	1.0472614435
0.1218647866	0.9999986525	2.3198302476
0.2471624996	0.9999986525	0
0.6360635078	0.9999986525	1.3770119994
0.43273306	0.9999986525	2.8953411669
0.8174274783	0.9999986525	0
0.9132861539	0.9999986525	0
0.3352698784	0.9999986525	3.6840065727
0.6057648151	0.9999986525	1.3370950714
0.1137541736	0.9999986525	2.2736689079
0.74730471	0.9999986525	1.3987292458
0.2904157214	0.9999986525	5.7660263362
0.3553972445	0.9999986525	0.4265068621
0.0941501707	0.9999986525	0
0.1026652889	0.9999986525	3.1798373307
0.9869669873	0.9999986525	1.074501917
0.8712368847	0.9999986525	0
0.8096125591	0.9999986525	0.3478696506

gene_expression_table

0.9401185192	0.9999986525	15.2461120716
0.1706902073	0.9999986525	135.7889609569
0.5125405115	0.9999986525	69.0227639638
0.3226225315	0.9999986525	32.6431634672
0.6850628938	0.9999986525	2.2362038965
0.6605607559	0.9999986525	0
0.310184525	0.9999986525	182.5548721378
0.0736027845	0.9999986525	151.2504817728
0.7970862043	0.9999986525	0
0.8931119689	0.9999986525	107.624875815
0.4133529485	0.9999986525	0.9984104924
0.121477328	0.9999986525	6.5179836879
0.1400386692	0.9999986525	8.3619249883
0.7024329523	0.9999986525	0
0.6312664098	0.9999986525	0
0.1464850521	0.9999986525	7.0120416014
0.7649663005	0.9999986525	66.307493065
0.8491541434	0.9999986525	18.9043107745
0.8587034022	0.9999986525	158.4417546789
0.3516521369	0.9999986525	9.936767305
0.121932057	0.9999986525	0.545237841
0.3626616378	0.9999986525	3.9351701234
0.51859937	0.9999986525	0
0.6754687958	0.9999986525	0
0.0352382952	0.9999986525	1.3230933744
0.3551115375	0.9999986525	0
0.8764038348	0.9999986525	272.2366918882
0.6707582209	0.9999986525	63.7656724737
0.0187770546	0.9999986525	31.4521737042
0.1457249057	0.9999986525	182.0571705109
0.486900061	0.9999986525	40.5325542796
0.5597032683	0.9999986525	238.4375540691
0.0959961578	0.9999986525	0
0.5583355702	0.9999986525	0
0.1302323364	0.9999986525	3.96322364
0.8967444962	0.9999986525	23.5618640314
0.5021362003	0.9999986525	72.8970575933
0.6396228574	0.9999986525	0
0.3609146335	0.9999986525	18.788302464
0.2409005473	0.9999986525	9.3591916049
0.9949583571	0.9999986525	15.487952559
0.0820865936	0.9999986525	5.5870007644
0.2023435848	0.9999986525	0
0.654125641	0.9999986525	1.2380003022
0.5356248422	0.9999986525	0
0	0	0
0	0	0
0.8750603099	0.9999986525	590.5709705817
0.4120120854	0.9999986525	38.4294714509

gene_expression_table

0.6992608851	0.9999986525	340.9937751034
0.9248988651	0.9999986525	27.6681663632
0.5121495141	0.9999986525	0
0.9888891526	0.9999986525	49.9658639795
0.4926608441	0.9999986525	5.228065554
0.0347291033	0.9999986525	22.770659888
0.3134174392	0.9999986525	15.4282303769
0.2650682723	0.9999986525	0.5194028267
0.7571109026	0.9999986525	0
0.7879588082	0.9999986525	1.6695038084
0.5422644622	0.9999986525	57.70557547
0.9136712135	0.9999986525	0.8234804432
0.5810405339	0.9999986525	0
0.9072074948	0.9999986525	961.7736494102
0.6098761915	0.9999986525	0
0.2756668095	0.9999986525	44.8031203141
0.7086270283	0.9999986525	84.2461608332
0.1331589056	0.9999986525	14.5927050802
0.723763583	0.9999986525	20.338076951
0.3049621922	0.9999986525	0
0.4248804569	0.9999986525	0
0.9369694231	0.9999986525	281.7577143075
0.6312664098	0.9999986525	0
0.9556383792	0.9999986525	343.5051591955
0.9574588803	0.9999986525	4315.2369917375
0.5236504605	0.9999986525	0
0.6312664098	0.9999986525	0
0.5133979653	0.9999986525	14.6664588243
0.2537483044	0.9999986525	86.7936207499
0.6312664098	0.9999986525	0
0.9814921405	0.9999986525	19.6626650135
0.6105702256	0.9999986525	3.8722720307
0.2661629689	0.9999986525	0
0.5581822663	0.9999986525	21.2407392992
0.4069382107	0.9999986525	62.2658785974
0.0595170353	0.9999986525	0
0.4623175362	0.9999986525	114.8128657094
0.3228418513	0.9999986525	12.9287437519
0.0625433724	0.9999986525	0
0.89552751	0.9999986525	13.5073959658
0.281240294	0.9999986525	55.2410728653
0.0805306109	0.9999986525	1.6283253396
0.0842528931	0.9999986525	25.2841833464
0.9945971612	0.9999986525	43.5309443448
0.164124506	0.9999986525	6.8970183776
0.1737059376	0.9999986525	796.5164644781
0.8967883504	0.9999986525	14.3204767425
0.7899339627	0.9999986525	38.4380773117
0.9004527342	0.9999986525	4.0484705894

gene_expression_table

0.4249952123	0.9999986525	21.8921920522
0.429515253	0.9999986525	0
0.0514203637	0.9999986525	154.9769136802
0.8726891937	0.9999986525	197.5023289102
0.3611860253	0.9999986525	0
0.4348136617	0.9999986525	0
0.6312664098	0.9999986525	0
0.3769252439	0.9999986525	0
0.3305668389	0.9999986525	1.3426357084
0.9055270271	0.9999986525	0
0.3992365597	0.9999986525	174.180177896
0.243579299	0.9999986525	0
0.6188053619	0.9999986525	0
0.7164403032	0.9999986525	25.4893427733
0.8994988722	0.9999986525	95.0460435986
0.0377629101	0.9999986525	0
0.4870568396	0.9999986525	0
0.8029782915	0.9999986525	103.7179947561
0.5341887328	0.9999986525	445.1927445874
0.4925199036	0.9999986525	6.8155785555
0.6527849127	0.9999986525	0
0.7416839311	0.9999986525	0
0.8896767782	0.9999986525	0
0.6327809443	0.9999986525	5.79767476
0.4326331989	0.9999986525	15.9269958463
0.6734045551	0.9999986525	3.001814154
0.6463118044	0.9999986525	0
0.9732439245	0.9999986525	0
0.7559681982	0.9999986525	0
0.2080979688	0.9999986525	3.6546895181
0.6655377216	0.9999986525	0
0.6316952789	0.9999986525	2.6339792642
0.7684635552	0.9999986525	1.7362718859
0.3834741743	0.9999986525	24.5563895934
0.1614106062	0.9999986525	0
0.7083155097	0.9999986525	1.0177791711
0.2633239362	0.9999986525	0.6488236196
0.0668014633	0.9999986525	0
0.8079030988	0.9999986525	2.1264209939
0.126633786	0.9999986525	4.7485990133
0.0189556329	0.9999986525	0
0.5092838724	0.9999986525	5.0766342416
0.8408617318	0.9999986525	15.347430307
0.2669134703	0.9999986525	3.6065226869
0.2594282457	0.9999986525	8.8884886639
0.6989687642	0.9999986525	3.7535210708
0.0865374274	0.9999986525	0
0.9021278024	0.9999986525	8.738239283
0.3269461589	0.9999986525	4.2544978566

gene_expression_table

0.311817434	0.9999986525	432.326321764
0.5657537832	0.9999986525	1.3946846474
0.5530500822	0.9999986525	0
0.4040384532	0.9999986525	0
0	0	0
0.7554200216	0.9999986525	26.4554607913
0.0277612192	0.9999986525	8.3668453262
0.5138585119	0.9999986525	19.2120473722
0.4729816619	0.9999986525	0
0.7479150245	0.9999986525	34.8300186148
0.3378657178	0.9999986525	0
0.8112677832	0.9999986525	0
0.203155181	0.9999986525	50.7713478475
0.4729816619	0.9999986525	0
0.5287774152	0.9999986525	1.0170996847
0.2959150803	0.9999986525	0
0.6668239001	0.9999986525	64.1724401292
0.0225026838	0.9999986525	6.1500923699
0.4237253451	0.9999986525	52.58059185
0.4549860195	0.9999986525	30.1503870463
0.8516028672	0.9999986525	29.7857839838
0.9435489307	0.9999986525	1.0824076861
0.9196856494	0.9999986525	10.0992290327
0.1942149466	0.9999986525	0
0.4821513596	0.9999986525	2.0167220951
0.9602485548	0.9999986525	0
0.2199924133	0.9999986525	0
0.3728261727	0.9999986525	82.3054615697
0.1512344283	0.9999986525	0.8887416719
0.489216361	0.9999986525	0
0.8398319108	0.9999986525	0
0.6922610182	0.9999986525	66.7896531474
0.0978983251	0.9999986525	0.3478925653
0.2768180941	0.9999986525	25.0201291002
0.2797954675	0.9999986525	4.9234565327
0.4644708459	0.9999986525	1.6556346722
0.3882209056	0.9999986525	2.263146497
0.153986587	0.9999986525	94.1478703287
0.6170030423	0.9999986525	20.675068431
0.9830624911	0.9999986525	0.265149634
0.7292753284	0.9999986525	0
0.8872019211	0.9999986525	0
0.2774124391	0.9999986525	0
0.1872710681	0.9999986525	0.2698663197
0.2964874293	0.9999986525	1.628568026
0.629851525	0.9999986525	8.6993770757
0.3193355041	0.9999986525	0
0.5462095753	0.9999986525	6.7740547972
0.301473605	0.9999986525	0

gene_expression_table

0.6652178353	0.9999986525	7.3699800947
0.2828103765	0.9999986525	26.0780854796
0.228651422	0.9999986525	16.9304977703
0.6280816301	0.9999986525	0
0.4024864861	0.9999986525	0.3299756221
0.7987311941	0.9999986525	4.3291871164
0.551069052	0.9999986525	5.0851679061
0.6278246152	0.9999986525	0.3431748186
0.4301266988	0.9999986525	23.0316681463
0.6975445382	0.9999986525	1.3647148349
0.1252614513	0.9999986525	0
0.0611470889	0.9999986525	0
0.226356214	0.9999986525	0.4298345808
0.7620097704	0.9999986525	0
0.2186053026	0.9999986525	127.0001468857
0.0150867343	0.9999986525	0
0.5860322981	0.9999986525	1109.2354099022
0.0109789999	0.9999986525	73.8508644795
0.9201406502	0.9999986525	1.7378001308
0.1291642336	0.9999986525	8.4495509521
0.4433176161	0.9999986525	6.8598413075
0.8978856766	0.9999986525	0
0.0504896707	0.9999986525	0
0.9892444495	0.9999986525	49.0619687234
0.9455002353	0.9999986525	3.5743041572
0.1943645226	0.9999986525	0
0.4748608769	0.9999986525	26.6422994247
0.1217048229	0.9999986525	0
0.5181295014	0.9999986525	0
0.6312664098	0.9999986525	0
0.4729816619	0.9999986525	0
0.378637387	0.9999986525	31.5710868987
0.2983651258	0.9999986525	0
0.2062171967	0.9999986525	6.0287566941
0.3317653602	0.9999986525	1.221413465
0.8266345983	0.9999986525	0
0.197104167	0.9999986525	2.0808446565
0.4702549713	0.9999986525	7.115221604
0	0	0
0.5107751952	0.9999986525	0
0.1659995887	0.9999986525	11.3949668389
0.1375836794	0.9999986525	0
0.9011457058	0.9999986525	29.3439425384
0.217386376	0.9999986525	0
0.1739206014	0.9999986525	2.0705927167
0.3317436171	0.9999986525	0
0.6312664098	0.9999986525	0
0.5187947346	0.9999986525	8.3240093225
0.3814602476	0.9999986525	6.9974453106

gene_expression_table

0.5263312475	0.9999986525	9.2068053529
0.003106	0.9999986525	2.2963571558
0.1543836809	0.9999986525	0
0.4806829728	0.9999986525	3.1013193709
0.6043274489	0.9999986525	1.8026253448
0.8265164691	0.9999986525	0
0.9739781843	0.9999986525	19.1220286211
0.1248785592	0.9999986525	7.4673978772
0.7013379303	0.9999986525	12.5307356845
0.2894070259	0.9999986525	96.5393465424
0.3281205913	0.9999986525	1.3827080905
0.0221022276	0.9999986525	14.6786876671
0.2495186283	0.9999986525	22.7724725019
0.9469802627	0.9999986525	8.3759038143
0.9765308344	0.9999986525	25.3935959257
0.2382043884	0.9999986525	1.2227255479
0.3380000051	0.9999986525	0
0.2986949808	0.9999986525	2.1955940978
0.8694323302	0.9999986525	1.5878393406
0.7193835942	0.9999986525	7.2206058734
0.3378828083	0.9999986525	0
0.468307774	0.9999986525	2.8049242247
0.2644082821	0.9999986525	14.4639527744
0.2729773312	0.9999986525	9.2998623396
0.734506058	0.9999986525	0
0.7110994271	0.9999986525	3.5478124158
0.0981092263	0.9999986525	0.2293823866
0.5498594539	0.9999986525	0
0.4303628416	0.9999986525	6.025652624
0.2377166238	0.9999986525	0
0.321153571	0.9999986525	0
0.2056668593	0.9999986525	69.5348851365
0.3315580129	0.9999986525	32.9443544492
0.18374627	0.9999986525	158.8572274276
0.1949869367	0.9999986525	0
0.6734816246	0.9999986525	0
0.6666219942	0.9999986525	4.1831702049
0.6058392922	0.9999986525	0
0.4461135264	0.9999986525	73.3526642032
0.2405482157	0.9999986525	0
0.7703831795	0.9999986525	2.2391587657
0.2402056895	0.9999986525	0
0.7870093746	0.9999986525	7.4438221602
0.320545442	0.9999986525	203.2251983988
0.2560439668	0.9999986525	3.8251552275
0.2140956152	0.9999986525	0
0.9999986525	0.9999986525	10.1609192874
0.2727737257	0.9999986525	6.9373332755
0.917488124	0.9999986525	23.8992454318

gene_expression_table

0.5771951307	0.9999986525	15.8394236408
0.0861005518	0.9999986525	79.7793326681
0.6862955818	0.9999986525	0.7934664177
0.1719785494	0.9999986525	0
0.001404	0.9999986525	8.758527069
0.981797825	0.9999986525	230.1260053434
0.9892018206	0.9999986525	14.18204034
0.0505270942	0.9999986525	20.7316656433
0.7615977066	0.9999986525	111.8050663695
0.8751619721	0.9999986525	61.996987104
0.2675342476	0.9999986525	14.8478825489
0.7538458856	0.9999986525	14.3975787436
0.4546849015	0.9999986525	93.4208459192
0.0683630697	0.9999986525	0
0.7293289603	0.9999986525	260.3325592329
0.3613584658	0.9999986525	3.8207276442
0.154044601	0.9999986525	74.9437315192
0.5674881899	0.9999986525	13.0106432372
0.6245670845	0.9999986525	9.3228452297
0.7867000416	0.9999986525	5.3047326463
0.6833170663	0.9999986525	43.1212250782
0.8777835857	0.9999986525	0
0.4752441925	0.9999986525	41.9602104552
0.820493354	0.9999986525	0
0.3598140717	0.9999986525	11.8903401196
0.8219469433	0.9999986525	0
0.3756398477	0.9999986525	353.4945770153
0.4817005929	0.9999986525	44.9384541385
0.1593004408	0.9999986525	0
0.2315678207	0.9999986525	0
0.6399948167	0.9999986525	0
0.6958070994	0.9999986525	40.1626754573
0.8588460653	0.9999986525	624.4101854884
0.4704103982	0.9999986525	191.7716711195
0.4613669917	0.9999986525	42.5461210201
0.0514481781	0.9999986525	10.3516107852
0.7126786602	0.9999986525	0
0.4143667539	0.9999986525	91.9302318996
0.040468008	0.9999986525	12.0414770238
0.3592961522	0.9999986525	7.4828447473
0.4895846801	0.9999986525	22.3882654626
0.2677191064	0.9999986525	4.8459804768
0.9071923684	0.9999986525	4.7231191403
0.9841057068	0.9999986525	149.5909564239
0.1277293594	0.9999986525	359.431174658
0.5499586614	0.9999986525	8.3625870044
0.9050455397	0.9999986525	50.4973521944
0.8482241696	0.9999986525	0
0.5250047207	0.9999986525	0

gene_expression_table

0.4502852609	0.9999986525	0
0.2969580493	0.9999986525	6.8786035721
0.8729519866	0.9999986525	26.9837364804
0.0267343812	0.9999986525	18.4052685925
0.2724235143	0.9999986525	16.6750077279
0.859693627	0.9999986525	0
0.1939643616	0.9999986525	0
0.8216339728	0.9999986525	0
0.7591691674	0.9999986525	20.5054815291
0.8034766641	0.9999986525	10.4540614066
0.6632649563	0.9999986525	1.3675276599
0.2955755734	0.9999986525	5.9515346209
0.4776186948	0.9999986525	0.8728130594
0.8862498367	0.9999986525	0
0.9074422179	0.9999986525	2.0526999971
0.3311701938	0.9999986525	63.1421737975
0.9846852903	0.9999986525	15.0644042433
0.4288872082	0.9999986525	0
0.1467115995	0.9999986525	67.1932801861
0.5833111832	0.9999986525	7.8370556798
0.2034126307	0.9999986525	16.2671206036
0.4530238162	0.9999986525	0
0.9859397774	0.9999986525	152.4211204223
0.2545639797	0.9999986525	22.5748742151
0.9067617929	0.9999986525	11.5398218994
0.9417543267	0.9999986525	0
0.8144554761	0.9999986525	222.5113225765
0.3005508038	0.9999986525	695.4582570467
0.1862441505	0.9999986525	0.7242124651
0.7011197732	0.9999986525	9.4770883983
0.7368712465	0.9999986525	0
0.9227450011	0.9999986525	35.6249026822
0.4286959586	0.9999986525	0
0.008937	0.9999986525	19.237706979
0.6767868874	0.9999986525	0
0.1012356801	0.9999986525	0
0.0338214916	0.9999986525	4.7801890054
0.4394005314	0.9999986525	4.5585238958
0.758934791	0.9999986525	40.5558980429
0.6950659359	0.9999986525	30.18283131
0.3750390851	0.9999986525	1.8139139383
0.4219707328	0.9999986525	25.8902791936
0.1675901529	0.9999986525	14.3883610925
0.8457866877	0.9999986525	4.2247078861
0.4158937047	0.9999986525	1.5488558172
0.7241922574	0.9999986525	0.878792947
0.7702274831	0.9999986525	0
0.5609806981	0.9999986525	2.4047206718
0.6621508308	0.9999986525	1.2015451763

gene_expression_table

0.1537056375	0.9999986525	0.7387698559
0.0660479314	0.9999986525	0
0.7749857967	0.9999986525	8.9517283127
0.5581781225	0.9999986525	3.8460003806
0.3284874293	0.9999986525	2.201252531
0.2421225297	0.9999986525	23.8306577836
0.3845180884	0.9999986525	0
0.8453434237	0.9999986525	0
0.9026721309	0.9999986525	0
0.2819027487	0.9999986525	6.1708801132
0.7123887429	0.9999986525	0.3876080189
0.1099614439	0.9999986525	0
0.1753257315	0.9999986525	1.845704738
0.0009863	0.9999986525	11.8381466437
0.2172617133	0.9999986525	0
0.9962331658	0.9999986525	0.2573119364
0.4802374088	0.9999986525	152.0700208071
0.1597420118	0.9999986525	63.2249619629
0.0536430158	0.9999986525	16.0675139113
0.9340043765	0.9999986525	0
0.5867427642	0.9999986525	4.0798700831
0.5557032367	0.9999986525	27.8554421025
0.1468327551	0.9999986525	0.8240972151
0.2084225469	0.9999986525	35.662589961
0.7268564387	0.9999986525	8.1202211295
0.5393972096	0.9999986525	2.125565188
0.6156676982	0.9999986525	3683.3741252255
0.3554051014	0.9999986525	330.0869889144
0.5659112993	0.9999986525	38.8052301442
0.7203632723	0.9999986525	595.1981768555
0.5563558777	0.9999986525	30.5813076006
0.3186112885	0.9999986525	26.2124352516
0.6594252157	0.9999986525	26.8727535073
0.3599734494	0.9999986525	0
0.0487449666	0.9999986525	1.1239634431
0.0919168415	0.9999986525	0.9529070119
0.6194561239	0.9999986525	6.2544238063
0.8885663226	0.9999986525	0.9745703836
0.7850097349	0.9999986525	6.2061008492
0.3175935387	0.9999986525	0
0.6396021585	0.9999986525	0
0.6249707979	0.9999986525	30.0079080831
0.1635383713	0.9999986525	7.6260079743
0.8840459725	0.9999986525	45.0871140551
0.5992049705	0.9999986525	3.6383244851
0.7253871429	0.9999986525	0
0.2057264391	0.9999986525	0
0.3669473568	0.9999986525	0
0.8345925843	0.9999986525	4.9855022633

gene_expression_table

0.3622882078	0.9999986525	0
0.3552872768	0.9999986525	0
0.4655306247	0.9999986525	0
0.0420478503	0.9999986525	8.7672507016
0.2970139007	0.9999986525	16.7861163996
0.2658543476	0.9999986525	2.475342999
0.8572772256	0.9999986525	26.7395320429
0.7898074146	0.9999986525	11.8210709783
0.2864212604	0.9999986525	0
0.2556330909	0.9999986525	0
0.7565592417	0.9999986525	19.2036645431
0.2475759405	0.9999986525	0
0.4316908839	0.9999986525	41.7914288635
0.4575116179	0.9999986525	6.7253786592
0.9224961216	0.9999986525	2.6851348938
0.5613748266	0.9999986525	46.554304089
0.9447901483	0.9999986525	0
0.5085749464	0.9999986525	1.2453175719
0.7317461921	0.9999986525	138.5283101018
0.4966818088	0.9999986525	8.2877863046
0.6395814036	0.9999986525	0
0.426849972	0.9999986525	1.6080559695
0.5210439573	0.9999986525	70.6504359891
0.5394401416	0.9999986525	10.2431959322
0	0	0
0.4590558808	0.9999986525	35.710478516
0.8548618797	0.9999986525	19.7342991971
0.4729816619	0.9999986525	0
0.8268396124	0.9999986525	289.8188843149
0.5363376539	0.9999986525	19.8306273261
0.4751960303	0.9999986525	7.586026749
0	0	0
0.0666851321	0.9999986525	8.0786669887
0.2970652523	0.9999986525	0
0.0604503941	0.9999986525	18.2242643983
0.6546176586	0.9999986525	18.4502771096
0.1072887104	0.9999986525	0
0.8897363869	0.9999986525	0
0.0284170122	0.9999986525	12.60625808
0.3378999232	0.9999986525	0
0.8434810613	0.9999986525	86.016153463
0.0718164342	0.9999986525	0
0.1136910623	0.9999986525	0
0.6395605914	0.9999986525	0
0.4460854765	0.9999986525	268.0909554635
0.9459878294	0.9999986525	107.7597316849
0.0622428768	0.9999986525	0
0.78418917	0.9999986525	4.5213524721
0.3381163965	0.9999986525	0

gene_expression_table

0.3521917849	0.9999986525	0
0.4729816619	0.9999986525	0
0.7345357267	0.9999986525	8.5631628005
0.30755387	0.9999986525	0
0.5540886688	0.9999986525	17.6291243036
0.3637626043	0.9999986525	0
0.5567922796	0.9999986525	2.7514772647
0.1658947244	0.9999986525	0
0.447970965	0.9999986525	15.9848420782
0.7751077157	0.9999986525	0
0.1520149854	0.9999986525	41.9268998886
0.1648611548	0.9999986525	0
0.8476721099	0.9999986525	2.3557660121
0.1392508689	0.9999986525	1.8955310596
0.7427083535	0.9999986525	49.138368279
0.0701432224	0.9999986525	2.7361889041
0.9058319585	0.9999986525	280.0313797789
0.0169621818	0.9999986525	20.4419872373
0.0688951217	0.9999986525	64.3399630324
0.7377243738	0.9999986525	0
0.1958869293	0.9999986525	10.1545699339
0.4041654827	0.9999986525	91.6113065504
0.8846850679	0.9999986525	222.4680632953
0.0801120595	0.9999986525	0
0.4316574317	0.9999986525	6.282136104
0.1318548335	0.9999986525	0
0.1803148174	0.9999986525	183.2402714097
0.9280717973	0.9999986525	0
0.5836194841	0.9999986525	7.340669969
0.2656642825	0.9999986525	20.6116501469
0.2403567656	0.9999986525	13.439510968
0.8219975864	0.9999986525	1.3900594364
0.9765833331	0.9999986525	10.2046021112
0.3944218612	0.9999986525	3.3105947613
0.0688615573	0.9999986525	0
0.1374188253	0.9999986525	1.240083548
0.5285663539	0.9999986525	0
0.9495918284	0.9999986525	0
0.3137580221	0.9999986525	0
0.2662225904	0.9999986525	40.1443586396
0.1082164229	0.9999986525	0
0.1196621946	0.9999986525	10.145652394
0.6301625675	0.9999986525	0.4332347729
0.3573687154	0.9999986525	96.6579762561
0.5480330152	0.9999986525	267.4122441838
0.1931483627	0.9999986525	4.7999562143
0.225023449	0.9999986525	44.0115985219
0.4123302534	0.9999986525	6.1669684991
0.6301082358	0.9999986525	26.0218359412

gene_expression_table

0.8052930705	0.9999986525	6.3371632141
0.9074083038	0.9999986525	0.3807368938
0.6637412133	0.9999986525	45.8772743453
0.5638347698	0.9999986525	36.242871829
0.471031235	0.9999986525	2.3543745378
0.4617725252	0.9999986525	5.2808637363
0.6395397205	0.9999986525	0
0.0347845372	0.9999986525	2.6052643166
0.2040753959	0.9999986525	124.2680428854
0.111938216	0.9999986525	12.8064787164
0.456448253	0.9999986525	1.1620991094
0.9745528195	0.9999986525	9.9442512194
0.9120962929	0.9999986525	0.8853374162
0.3105852727	0.9999986525	6.1283265521
0.0982734279	0.9999986525	1.2286306757
0.62226566	0.9999986525	13.7227381669
0.2435321935	0.9999986525	0
0.2627606167	0.9999986525	0
0.7104291339	0.9999986525	0.4643757483
0.5556941946	0.9999986525	0.1232130493
0.5608951992	0.9999986525	6.7031245369
0.4260806756	0.9999986525	0
0.4729816619	0.9999986525	0
0.4066535573	0.9999986525	0
0.3493458166	0.9999986525	0
0.5425400971	0.9999986525	2.638255525
0.1630697058	0.9999986525	4.6560802456
0.5031706774	0.9999986525	3.9791989622
0.5261389717	0.9999986525	20.4072326995
0.559141708	0.9999986525	0
0.6426628772	0.9999986525	8.3760707697
0.6282979221	0.9999986525	1.0550966563
0.1681526992	0.9999986525	8.1692062222
0.4729816619	0.9999986525	0
0.6813810494	0.9999986525	27.4386524451
0.3105119494	0.9999986525	0
0.6952330483	0.9999986525	0
0.3551654668	0.9999986525	0.9576378368
0.3895363527	0.9999986525	61.0629704109
0.3514716428	0.9999986525	0
0.4066325653	0.9999986525	0
0.5026268182	0.9999986525	4.9600469164
0.3738116067	0.9999986525	11.6082199324
0.9946467562	0.9999986525	5.4014848355
0.6628012943	0.9999986525	0
0.7339509932	0.9999986525	1.8933621885
0.6300561077	0.9999986525	1.4149364579
0.2109584938	0.9999986525	0
0.9231684938	0.9999986525	0

gene_expression_table

0.5419963583	0.9999986525	1.8888692741
0.571211134	0.9999986525	7.3021363572
0.1517190432	0.9999986525	0
0.7614446484	0.9999986525	2.9066548281
0.6457977782	0.9999986525	50.3818489714
0.9877647774	0.9999986525	0
0.2412011909	0.9999986525	60.8455279105
0.8753055362	0.9999986525	103.3859928189
0.4345230762	0.9999986525	0.5532300072
0.9910746224	0.9999986525	0
0.5793201917	0.9999986525	27.1277830631
0.6645921367	0.9999986525	0
0.8256947454	0.9999986525	0
0.7124584613	0.9999986525	0
0.2391643086	0.9999986525	0.4269689011
0	0	0
0.933593123	0.9999986525	0.2549611056
0.8502142038	0.9999986525	3.3804152864
0.1829252913	0.9999986525	5.9542185148
0.1495858219	0.9999986525	27.5694718425
0.5970501473	0.9999986525	2.2217794046
0.1913265642	0.9999986525	10.9807855485
0.2698913199	0.9999986525	0
0	0	0
0.8576036647	0.9999986525	0
0.7789238005	0.9999986525	0.7924276815
0.1385937788	0.9999986525	4.8945496514
0	0	0
0.750099287	0.9999986525	35.9066660651
0.8387257663	0.9999986525	269.2474262518
0.8979964578	0.9999986525	9.2884133356
0.0475835991	0.9999986525	0
0.657096788	0.9999986525	0
0.2196808847	0.9999986525	0
0.9014689391	0.9999986525	5.8512167448
0.7154255535	0.9999986525	2.2905806578
0.8621737408	0.9999986525	0
0.5736788071	0.9999986525	11.4514133188
0.6312664098	0.9999986525	0
0.5772712568	0.9999986525	0
0.6608078501	0.9999986525	0
0.0667832312	0.9999986525	5.5793279343
0.2615631768	0.9999986525	100.596023364
0.9649986718	0.9999986525	2.7541676171
0.1927520674	0.9999986525	11.8869948743
0.2011910094	0.9999986525	36.8406587579
0.6844543113	0.9999986525	1.58786321
0.8615787254	0.9999986525	0.4169286709
0.2494344408	0.9999986525	51.370863957

gene_expression_table

0.2278142601	0.9999986525	9.6979674022
0.3857229155	0.9999986525	30.0064873214
0.723630855	0.9999986525	916.094588032
0.7967215269	0.9999986525	6.759748909
0.9030419982	0.9999986525	0
0.811546044	0.9999986525	6.3224961963
0.3419249618	0.9999986525	0
0.5388464203	0.9999986525	10.8351059754
0.2613169778	0.9999986525	4.0550604434
0.8211183072	0.9999986525	67.1719150732
0.4733399767	0.9999986525	0.6091359956
0.8211868659	0.9999986525	0.728859914
0	0	0
0.009674	0.9999986525	6.6890316412
0.500097546	0.9999986525	0
0.3179062822	0.9999986525	2.4736618921
0.3419555354	0.9999986525	0
0.9193622047	0.9999986525	3.3105947613
0.063418304	0.9999986525	0.6333743266
0.3785504114	0.9999986525	4.2879577671
0.9107758292	0.9999986525	13.5489785085
0.004657	0.9999986525	32.9527968254
0.7241296524	0.9999986525	12.012718805
0.5827682409	0.9999986525	69.1629834736
0.1354786613	0.9999986525	11.8363779082
0.1703156284	0.9999986525	10.580468142
0.3335515318	0.9999986525	154.1730873237
0.3061440543	0.9999986525	321.2525439557
0.2202875941	0.9999986525	19.5439714046
0.1735065592	0.9999986525	273.451817276
0.4066115658	0.9999986525	7.0138005613
0.4367073385	0.9999986525	1.0320862625
0.3419861074	0.9999986525	0
0.8103384832	0.9999986525	0
0.2107296598	0.9999986525	0
0.4049434619	0.9999986525	3.2659648894
0.4960029404	0.9999986525	2.3689426547
0.6395187893	0.9999986525	0
0.8315456732	0.9999986525	10.6932411878
0.6098112011	0.9999986525	1950.6841658187
0.9496481313	0.9999986525	2.458862993
0.9364408188	0.9999986525	13.0945144896
0.2455432974	0.9999986525	67.228499427
0.6108897012	0.9999986525	4.1536703285
0.0262804501	0.9999986525	5.415145927
0.7515740818	0.9999986525	0
0.9773745138	0.9999986525	7.5914788309
0.4303358726	0.9999986525	34.4306171677
0.0524792518	0.9999986525	3.3380895881

gene_expression_table

0.1779107686	0.9999986525	0
0	0	0
0.398766588	0.9999986525	47.5020691946
0.8646526829	0.9999986525	0
0.7613365569	0.9999986525	7.4971847862
0.2535063556	0.9999986525	16.3645687543
0.160442721	0.9999986525	17.2707384651
0.77778252	0.9999986525	0
0.3200880716	0.9999986525	0
0.3122519363	0.9999986525	0.3037621975
0.6098761914	0.9999986525	0
0.7116470207	0.9999986525	318.8497494797
0.4610940064	0.9999986525	1.7930026703
0.5622049151	0.9999986525	10.1341107601
0.6391655315	0.9999986525	43.7615326212
0.9181439364	0.9999986525	11.4698167542
0.2272716383	0.9999986525	20.7499924276
0.9807097661	0.9999986525	1.1706898872
0.8932086348	0.9999986525	41.8245244318
0.2330510755	0.9999986525	0.9339496406
0.4729816619	0.9999986525	0
0.3653520776	0.9999986525	46.3064451399
0.9578103536	0.9999986525	3.0252853058
0.4505334404	0.9999986525	1.8516905626
0.7490606124	0.9999986525	0
0.2974086245	0.9999986525	32.9880813406
0.7973162329	0.9999986525	9.5612827388
0.2671509086	0.9999986525	0
0.8186022709	0.9999986525	13.3739980315
0.814604275	0.9999986525	21.585650002
0.4065905586	0.9999986525	0
0.2494724585	0.9999986525	2.3922597376
0.7445434185	0.9999986525	0
0.709670088	0.9999986525	0
0.1257371249	0.9999986525	38.7132032532
0.4849763746	0.9999986525	0
0.0121482208	0.9999986525	0
0.6624168055	0.9999986525	218.6911727798
0.4534756378	0.9999986525	0
0.5406586083	0.9999986525	0.8658090349
0.3176469378	0.9999986525	0
0.7199471642	0.9999986525	33.7669477631
0.0664692963	0.9999986525	43.0928822136
0.6248676823	0.9999986525	3.6370717049
0.3740270316	0.9999986525	6.2483192223
0.3984280578	0.9999986525	2.7547997155
0.7230524553	0.9999986525	8.5729457774
0.006722	0.9999986525	175.6665744672
0.8415612629	0.9999986525	0.561762543

gene_expression_table

0.3049955347	0.9999986525	0
0.4729816619	0.9999986525	0
0.30755387	0.9999986525	0
0.7619807069	0.9999986525	0
0.2295258852	0.9999986525	1.8821110519
0.4766932172	0.9999986525	1.9770867453
0.3784808406	0.9999986525	9.1263034778
0.746765672	0.9999986525	1394.2428254042
0.5278536963	0.9999986525	2.2786227555
0.4149530203	0.9999986525	3.5548171385
0.3851836878	0.9999986525	0
0.6144626341	0.9999986525	2.673851672
0.9112633442	0.9999986525	3.0548583293
0.657326386	0.9999986525	13.1534962707
0.8239214232	0.9999986525	15.6115631766
0.4757957184	0.9999986525	1.143356387
0.6639708057	0.9999986525	0
0.6912965678	0.9999986525	4.7222745195
0.6444529558	0.9999986525	5.4191465274
0.0506035904	0.9999986525	6.8108072361
0.3342595139	0.9999986525	6.4250508791
0.7844522486	0.9999986525	22.4181327745
0.6394977963	0.9999986525	0
0.862168111	0.9999986525	0
0.6917774264	0.9999986525	6.4106230778
0.0237015161	0.9999986525	110.358873372
0.2978359168	0.9999986525	0
0.6165777453	0.9999986525	0
0.3978854029	0.9999986525	0
0.4065695438	0.9999986525	0
0.1955031044	0.9999986525	469.9543570985
0.7431034579	0.9999986525	0
0.814331937	0.9999986525	0
0.7698892663	0.9999986525	0.8160118387
0.2489480859	0.9999986525	0
0.6394718456	0.9999986525	0
0.714063915	0.9999986525	139.0754923668
0.1230773521	0.9999986525	70.8775743068
0.5443289147	0.9999986525	737.152682426
0.4168393411	0.9999986525	0
0.4961905634	0.9999986525	134.9171157662
0.3546814816	0.9999986525	13.0045105452
0.7229709571	0.9999986525	0
0.2148063063	0.9999986525	31.2179997397
0.9451406444	0.9999986525	3.5521188684
0.5173236328	0.9999986525	12.1039145676
0.7103128027	0.9999986525	31.5778285359
0.005325	0.9999986525	74.5842247037
0.9425525403	0.9999986525	9.3811357821

gene_expression_table

0.984512391	0.9999986525	3.52562872
0.3643060372	0.9999986525	0
0.8921835502	0.9999986525	0
0.5644704559	0.9999986525	0
0.6168782603	0.9999986525	54.68087969
0.2349567163	0.9999986525	0
0.2833212921	0.9999986525	0.8412940763
0.1885982987	0.9999986525	217.6397729106
0.0838505375	0.9999986525	18.6577666838
0.6178450542	0.9999986525	0
0.3050288582	0.9999986525	0
0.905662729	0.9999986525	0
0.1904770852	0.9999986525	972.953618718
0.3141290599	0.9999986525	132.6030945424
0.1748445702	0.9999986525	0
0	0	0
0	0	0
0.4888902225	0.9999986525	0
0.0257592496	0.9999986525	7.0042662016
0.1743990352	0.9999986525	45.4006419728
0.1509808037	0.9999986525	11.4725574511
0.8827860795	0.9999986525	47.1658122137
0.119815729	0.9999986525	785.9214021772
0.230457946	0.9999986525	284.4896241542
0.683390668	0.9999986525	13.3909528971
0.4742275464	0.9999986525	0
0.334325625	0.9999986525	0
0.4475357452	0.9999986525	531.5215923965
0.6569140649	0.9999986525	39.3986708141
0.2763908535	0.9999986525	0
0.4376484228	0.9999986525	17.6682450911
0.3004458352	0.9999986525	0
0.7019622171	0.9999986525	0
0.051898177	0.9999986525	144.4977242854
0.3710573135	0.9999986525	501.6866152758
0.4907015641	0.9999986525	0
0.1524865729	0.9999986525	0
0.3611519868	0.9999986525	0
0.8766057149	0.9999986525	0
0.9862734208	0.9999986525	6.3672140604
0.3271081687	0.9999986525	61.1272201693
0.6963283923	0.9999986525	0
0.3376371699	0.9999986525	79.6109710978
0.7408928034	0.9999986525	0
0.4994750678	0.9999986525	729.2193121233
0.7233717112	0.9999986525	0
0.4887973235	0.9999986525	0
0.6072597881	0.9999986525	104.101021471
0.3420166778	0.9999986525	26.5263275873

gene_expression_table

0.9295593986	0.9999986525	22.3144829417
0.330045641	0.9999986525	0
0.851488965	0.9999986525	192.6343521932
0.0331323794	0.9999986525	0
0.6643522413	0.9999986525	0
0.7173211144	0.9999986525	0
0.2003640331	0.9999986525	2.5649030269
0.5531893501	0.9999986525	66.0609796792
0.8369660503	0.9999986525	0
0.6685079691	0.9999986525	41.5055440801
0.3556369559	0.9999986525	0
0.9887366668	0.9999986525	63.8234661345
0.17675605	0.9999986525	5.9122263771
0	0	0
0.6886955246	0.9999986525	0
0.2401310259	0.9999986525	0
0.2798829995	0.9999986525	9.9423791842
0.7738575757	0.9999986525	0
0.6579548307	0.9999986525	0
0.0223737706	0.9999986525	110.3739147885
0.2993538945	0.9999986525	463.5868940037
0.9458818063	0.9999986525	0
0.6392844779	0.9999986525	7.4606467335
0.6465815533	0.9999986525	233.3721743515
0.5248391033	0.9999986525	0
0.7094475346	0.9999986525	0
0.2759682908	0.9999986525	1105.664722114
0.8723653023	0.9999986525	4.2946291892
0.9798055817	0.9999986525	0.3360412193
0	0	0
0.781791789	0.9999986525	0
0.8690679182	0.9999986525	2.4339052376
0.3425647774	0.9999986525	0.237409672
0.6291645585	0.9999986525	0.4867821692
0.3612464012	0.9999986525	0
0.4065485213	0.9999986525	0
0.6312664098	0.9999986525	0
0.2389175266	0.9999986525	1.2839257339
0.2627233398	0.9999986525	0
0.0534684393	0.9999986525	3.0986809567
0.9122714643	0.9999986525	26.7051668092
0.3967015756	0.9999986525	3.7862153722
0.3951488232	0.9999986525	0
0	0	0
0.2628131958	0.9999986525	0
0.974130124	0.9999986525	1.317778288
0.6978089846	0.9999986525	2.1466629094
0.2088782896	0.9999986525	0
0.8468695939	0.9999986525	11.9791142539

gene_expression_table

0.5807822253	0.9999986525	1.8959892527
0	0	0
0.1783801001	0.9999986525	0
0.6589870706	0.9999986525	0
0.5246743947	0.9999986525	57.2684040925
0.6030230167	0.9999986525	0
0.2002235978	0.9999986525	20.5474976889
0.9200328944	0.9999986525	14.9097903742
0.5278064956	0.9999986525	2.2636193675
0.3535770739	0.9999986525	0.784718634
0.6618295035	0.9999986525	57.7990897142
0.9104207121	0.9999986525	4326.7930958574
0.8010325164	0.9999986525	7.3824319578
0.7716264238	0.9999986525	3.1570278096
0.3050621626	0.9999986525	0
0.8104637568	0.9999986525	0.4879695305
0.1210300077	0.9999986525	3.8675802737
0.5690738486	0.9999986525	29.6540809805
0.6674834905	0.9999986525	17.4626101793
0.7372000759	0.9999986525	13.7060341418
0.5195153805	0.9999986525	2.3844831923
0.1225353958	0.9999986525	22.7716308952
0.6447507759	0.9999986525	0
0.9983649289	0.9999986525	1.6240691962
0.9429210848	0.9999986525	8.2299923217
0.1945701882	0.9999986525	0.8190553605
0.806059241	0.9999986525	0
0.2884463298	0.9999986525	0
0.995986072	0.9999986525	3.6287002801
0.2842178151	0.9999986525	2.6250767049
0.2139818529	0.9999986525	0
0.5219105039	0.9999986525	26.0048836051
0.8465115573	0.9999986525	2.7388849363
0.9524742602	0.9999986525	11.2354102027
0.3929231538	0.9999986525	0
0.447658337	0.9999986525	8.1912885823
0.108331175	0.9999986525	0
0.3255492924	0.9999986525	17.7505886936
0.7311390005	0.9999986525	2.9080952715
0.009417	0.9999986525	0
0.0495441386	0.9999986525	5.5415684619
0.6312664098	0.9999986525	0
0.0223702195	0.9999986525	2.053498123
0.2230175412	0.9999986525	0
0.0821098336	0.9999986525	0.7042888721
0.6168276646	0.9999986525	1.4138001453
0.5602607234	0.9999986525	0
0.4771622658	0.9999986525	0
0.6824364531	0.9999986525	0

gene_expression_table

0.4768601296	0.9999986525	0
0.4870752671	0.9999986525	0
0.6312664098	0.9999986525	0
0.6394424219	0.9999986525	0
0.5135227306	0.9999986525	1.4389733186
0.6312649618	0.9999986525	0.3410363885
0.1524566073	0.9999986525	0
0	0	0
0.2930971747	0.9999986525	350.2028047845
0.6838465999	0.9999986525	0
0.8452875158	0.9999986525	0.7698373014
0.6929004804	0.9999986525	22.2093852928
0.3092148397	0.9999986525	0
0.604515546	0.9999986525	58.710911221
0.7839999897	0.9999986525	0
0.5219747247	0.9999986525	1018.9180365204
0.1436549808	0.9999986525	24.3108256975
0.2135470535	0.9999986525	0.6213475244
0.1914505491	0.9999986525	25.8146561688
0.5304744126	0.9999986525	3.5045732068
0.9816630729	0.9999986525	0.3435386752
0	0	0
0.1765847088	0.9999986525	60.2336029538
0.8386764513	0.9999986525	0
0.1218052978	0.9999986525	4.5973118233
0.5901549401	0.9999986525	96.3581795773
0.9511545055	0.9999986525	43.2688171607
0.1299535574	0.9999986525	0
0.5654627677	0.9999986525	4.4051979503
0.1608592208	0.9999986525	53.4644017813
0.2567637529	0.9999986525	31.4334541981
0.7676113303	0.9999986525	13.7214648548
0.2171522015	0.9999986525	4.9188710279
0.4560867185	0.9999986525	0
0.3828637362	0.9999986525	17.1920306726
0.8386020418	0.9999986525	26.7567075041
0.0942857056	0.9999986525	6.5223304056
0.330051359	0.9999986525	0
0.2142235386	0.9999986525	313.8655711735
0.8179346372	0.9999986525	0
0.9397826975	0.9999986525	3.3944288339
0.3495357434	0.9999986525	15.1851403756
0.9514995375	0.9999986525	1.5994685458
0.8180960374	0.9999986525	8.6424346631
0.7754179392	0.9999986525	17.2312946905
0.7349732742	0.9999986525	39.9273621065
0.6830057152	0.9999986525	0
0.1778433306	0.9999986525	0
0.4528855667	0.9999986525	0.494142199

gene_expression_table

0.2343508818	0.9999986525	126.4095697135
0	0	0
0.9122535928	0.9999986525	19.298798193
0.6153649789	0.9999986525	1.9684650848
0.5283920673	0.9999986525	8.2988557867
0.4726386256	0.9999986525	41.4959090366
0.9217847931	0.9999986525	3.2754848813
0.985504507	0.9999986525	2.1131484106
0.9495041287	0.9999986525	0
0.6962813699	0.9999986525	1.2149030489
0.3105384048	0.9999986525	1.488764432
0.2954986034	0.9999986525	0
0.9380461263	0.9999986525	12.2235576824
0.9033114045	0.9999986525	7.2613561877
0.394172523	0.9999986525	0
0.3732742248	0.9999986525	1.2551730928
0.7737871183	0.9999986525	2.4192166289
0.7504601253	0.9999986525	6.7770971675
0.4603082574	0.9999986525	16.88964446
0.1193951419	0.9999986525	0
0.9303942234	0.9999986525	0
0.626473704	0.9999986525	0
0.1621636157	0.9999986525	29.6707405766
0.0141773788	0.9999986525	2.1616403765
0.6219568729	0.9999986525	113.5325395165
0.6970050412	0.9999986525	2.7296130566
0.5060966242	0.9999986525	9.897042581
0.6312664098	0.9999986525	0
0.7235943878	0.9999986525	2.3149277094
0	0	0
0.5919376376	0.9999986525	1.4284198184
0.4931565704	0.9999986525	0.902940935
0.1780608284	0.9999986525	0
0.9238964556	0.9999986525	84.9419687651
0.1556254563	0.9999986525	59.8042155071
0.2731788421	0.9999986525	53.0260223156
0.3214154761	0.9999986525	0
0.9300344558	0.9999986525	0
0.5279958123	0.9999986525	0.0461773146
0.0178823175	0.9999986525	1617.0322653619
0.1878987386	0.9999986525	547.1594882844
0.3379170624	0.9999986525	0
0.4556787548	0.9999986525	163.56684929
0.5079266831	0.9999986525	0
0.7878586554	0.9999986525	31.8732155862
0.7919706496	0.9999986525	5.5260098591
0.587240673	0.9999986525	2.9003231741
0.6579150686	0.9999986525	2.6304372062
0.2402219104	0.9999986525	0

gene_expression_table

0.5553525859	0.9999986525	11.6836335579
0.8428071511	0.9999986525	7.1081989537
0.6406208856	0.9999986525	0
0.8096400861	0.9999986525	8.9477201569
0.3344899591	0.9999986525	0
0.4783719702	0.9999986525	3.9870092648
0.9509277941	0.9999986525	3.8432483064
0.080137949	0.9999986525	13.7428879069
0.5391593277	0.9999986525	0.7570856762
0.5781534692	0.9999986525	0
0.8498715605	0.9999986525	13.9763729825
0.0844704119	0.9999986525	0
0.8951647767	0.9999986525	77.2915610652
0.6232087695	0.9999986525	0
0.7569463139	0.9999986525	0
0.6312664098	0.9999986525	0
0.7412571059	0.9999986525	443.5814654178
0.0778879259	0.9999986525	147.1139783463
0.4914664479	0.9999986525	224.7400775588
0.3553808213	0.9999986525	0
0.4897098231	0.9999986525	0
0.8772979951	0.9999986525	49.9658639795
0.9458154891	0.9999986525	6.6344142686
0.9877772873	0.9999986525	69.7981298145
0.2587921195	0.9999986525	12.9212673315
0.8855447167	0.9999986525	5.8590989823
0.5091637918	0.9999986525	3.1894388687
0.3129901259	0.9999986525	7.8245015289
0.5813681794	0.9999986525	0.6564180359
0.9276280116	0.9999986525	1.4499558876
0.4999151395	0.9999986525	2.1175541569
0.2904844477	0.9999986525	3.7403246384
0.8109583962	0.9999986525	1.5659704153
0.6312664098	0.9999986525	0
0.7896201096	0.9999986525	0
0.3207090782	0.9999986525	0
0.2098369341	0.9999986525	0
0.3727287362	0.9999986525	2.0161062081
0.472211071	0.9999986525	3.9326794167
0.5337436557	0.9999986525	0
0.9987142453	0.9999986525	0
0.5264226883	0.9999986525	130.7275203622
0.1368784219	0.9999986525	0
0.6847403522	0.9999986525	15.286860221
0.8140531027	0.9999986525	128.3568773494
0.7369233634	0.9999986525	0
0.203605915	0.9999986525	18.3397580437
0.1926173259	0.9999986525	9.2453248536
0.8110604499	0.9999986525	6.3587813412

gene_expression_table

0.8948739773	0.9999986525	0
0.3574697563	0.9999986525	1075.2364814357
0.2079573778	0.9999986525	78.3377967219
0.9496190711	0.9999986525	0
0.1457410914	0.9999986525	0
0.4729816619	0.9999986525	0
0.7462550192	0.9999986525	0
0.5092711159	0.9999986525	1093.1114683511
0.5275780601	0.9999986525	1.0561657069
0.9451831486	0.9999986525	13.4852654151
0.8869756913	0.9999986525	3.9831378346
0.6312664098	0.9999986525	0
0.1231097387	0.9999986525	11.6836335579
0.9298483422	0.9999986525	0
0.6635171064	0.9999986525	6.2320984396
0.7702801774	0.9999986525	51.1762773511
0.6394197199	0.9999986525	0
0.5446390623	0.9999986525	0
0.8134790476	0.9999986525	0
0.1828899889	0.9999986525	39.0404481271
0.0900883842	0.9999986525	3.062208977
0	0	0
0.2297717947	0.9999986525	129.0167257317
0	0	0
0.1527496285	0.9999986525	47.553330986
0.7366728617	0.9999986525	26.6779066021
0.8861709205	0.9999986525	41.2045392833
0.4597875801	0.9999986525	21.5060591055
0.17091799	0.9999986525	0
0.8004057946	0.9999986525	7.3315327694
0.9999955801	0.9999986525	34.1329530319
0.3095889961	0.9999986525	0
0.9723410333	0.9999986525	165.0995744757
0.7106554392	0.9999986525	0
0.3391790012	0.9999986525	0
0.6312664098	0.9999986525	0
0.7492339663	0.9999986525	44.5974870777
0.4065274913	0.9999986525	0
0	0	0
0.4593922718	0.9999986525	93.7872021777
0.7974378297	0.9999986525	6.1472290318
0.6312664098	0.9999986525	0
0.1913515583	0.9999986525	59.4560031496
0.00237	0.9999986525	10.1741318101
0.5380967782	0.9999986525	1276.5268835364
0.5424602713	0.9999986525	11.4645525966
0.4924547006	0.9999986525	19.8064572384
0.7303461245	0.9999986525	0
0.4498500591	0.9999986525	9.4352689998

gene_expression_table

0.4975462003	0.9999986525	0
0.8620767671	0.9999986525	12.4899889385
0.4125124374	0.9999986525	39.012591457
0.8196772019	0.9999986525	1.4706072516
0.2881004833	0.9999986525	86.4542131751
0.4960068734	0.9999986525	0
0.4569829596	0.9999986525	13.0954421588
0.6312664098	0.9999986525	0
0.020641623	0.9999986525	57.3856409558
0.6312664098	0.9999986525	0
0.0429027673	0.9999986525	61.4748457854
0.1813659152	0.9999986525	0
0.8091164786	0.9999986525	0
0.7500464106	0.9999986525	9.6977448084
0.6111897103	0.9999986525	2.0501236308
0.3979531446	0.9999986525	15.15339704
0.4760622343	0.9999986525	1.4049617788
0.6457401949	0.9999986525	0
0.5501330938	0.9999986525	18.603000432
0.7660723696	0.9999986525	32.5108761011
0.6402276009	0.9999986525	37.6525082412
0.0847521279	0.9999986525	25.7880460089
0.1641527135	0.9999986525	0
0.4474000974	0.9999986525	5.2955131911
0.500877023	0.9999986525	35.8121161053
0	0	0
0.8526340633	0.9999986525	0
0.4338690532	0.9999986525	0
0.5820077933	0.9999986525	0
0.6798264887	0.9999986525	2.3566069442
0.9613388849	0.9999986525	42.8336725274
0.8607982078	0.9999986525	0
0.3274850863	0.9999986525	285.9959470739
0.3598591161	0.9999986525	40.8744820264
0.660001618	0.9999986525	0
0.7376469053	0.9999986525	124.3382574308
0.7308514437	0.9999986525	0
0.9739520612	0.9999986525	0
0.4870937066	0.9999986525	0
0.5774238136	0.9999986525	45.3565461043
0.4082846286	0.9999986525	0
0.007211	0.9999986525	0
0.0753872374	0.9999986525	12.0186417871
0.8713820404	0.9999986525	920.8341513746
0.6506184288	0.9999986525	0
0.2696485138	0.9999986525	336.9094043526
0.1360501786	0.9999986525	9.107081688
0.4086988142	0.9999986525	10.2504026253
0.3757956466	0.9999986525	12.8579228792

gene_expression_table

0.6162475552	0.9999986525	0
0.2078789925	0.9999986525	3.4675848679
0.299121905	0.9999986525	2.8409853807
0.9242817754	0.9999986525	16.4018379585
0.639393539	0.9999986525	0
0.4678409785	0.9999986525	0
0.5192476889	0.9999986525	1.4767340965
0.7659508353	0.9999986525	20.1996168539
0.9763415765	0.9999986525	24.0172433953
0.77831091	0.9999986525	0
0.0642490987	0.9999986525	1.1262404194
0.0442651998	0.9999986525	0
0.5662984187	0.9999986525	0
0.5648195747	0.9999986525	33.1745717502
0.007159	0.9999986525	213.2720633221
0.3172698299	0.9999986525	85.9591170119
0.3977125254	0.9999986525	0
0.6772439276	0.9999986525	110.7421083663
0.287277127	0.9999986525	118.5202004829
0.5278052214	0.9999986525	9.9153136631
0.9993882363	0.9999986525	1.9501843778
0.1595448766	0.9999986525	27.6585065338
0.5626658078	0.9999986525	0
0.0529323259	0.9999986525	17.0905001946
0.0964947679	0.9999986525	1.1961840511
0.3698010685	0.9999986525	0
0.9281770876	0.9999986525	0
0.3213331165	0.9999986525	0
0.8894866832	0.9999986525	17.1268710679
0.5530539869	0.9999986525	0
0.6312664098	0.9999986525	0
0.6760213822	0.9999986525	11.4633439456
0.2860622773	0.9999986525	0
0.4438704271	0.9999986525	0
0.7725753723	0.9999986525	0
0.4982288769	0.9999986525	7.7462479065
0.4314481715	0.9999986525	2.5277073909
0.4455458238	0.9999986525	0
0.5657805794	0.9999986525	66.2243488731
0.9228314659	0.9999986525	0
0.6475089243	0.9999986525	2.0634466976
0	0	0
0.9884385416	0.9999986525	0
0.7338554404	0.9999986525	8.1220943062
0.4734218611	0.9999986525	0
0.1617878475	0.9999986525	0.9803047467
0.1437149558	0.9999986525	0.3942720075
0.4064204682	0.9999986525	1.8914321038
0.898783975	0.9999986525	1.7349410306

gene_expression_table

0.7060013982	0.9999986525	2.4091467904
0.4490070666	0.9999986525	0.7003105248
0.0609786979	0.9999986525	0
0.5670547312	0.9999986525	42.1128271907
0.621557336	0.9999986525	0
0.8811233564	0.9999986525	4.0289825858
0.6312664098	0.9999986525	0
0.3622806118	0.9999986525	10.321554179
0.4981781358	0.9999986525	0
0.4979774481	0.9999986525	0
0.2186057843	0.9999986525	7.896266941
0.3347600042	0.9999986525	142.1871115823
0.9445355998	0.9999986525	14.6713479155
0.6312664098	0.9999986525	0
0.787488099	0.9999986525	0
0.2841929868	0.9999986525	44.7034374346
0.4065064536	0.9999986525	0
0.4777413144	0.9999986525	72.2884180486
0.3717284003	0.9999986525	2.9146753988
0.6364819813	0.9999986525	61.0487110245
0.0383237184	0.9999986525	41.8463660945
0.40870762	0.9999986525	15.9775883305
0.9452880444	0.9999986525	10.0693838372
0.7138093512	0.9999986525	13.6013181113
0.8962155639	0.9999986525	0
0.4981800208	0.9999986525	0
0.9495833249	0.9999986525	0
0.3174963722	0.9999986525	0
0.5493493666	0.9999986525	0
0.3519254994	0.9999986525	10.7915648194
0.3271666706	0.9999986525	1334.89488712
0.6604871728	0.9999986525	22.9714509973
0.9420720509	0.9999986525	68.0453276124
0.8639970602	0.9999986525	0
0.3843336939	0.9999986525	0
0.6312664098	0.9999986525	0
0.3050954479	0.9999986525	0
0.5163502875	0.9999986525	0
0	0	0
0.4318759913	0.9999986525	39.6457594372
0.6760027615	0.9999986525	150.785730799
0.6447356253	0.9999986525	11.9910510605
0.1472001074	0.9999986525	87.5368810381
0.5824158439	0.9999986525	0
0.3932015084	0.9999986525	2.60951224
0	0	0
0.5492392447	0.9999986525	0
0.9456608724	0.9999986525	17.6340294579
0.3192689103	0.9999986525	0

gene_expression_table

0.6184391159	0.9999986525	0
0.9300038575	0.9999986525	0
0.4179566271	0.9999986525	9.162190174
0.7580563581	0.9999986525	0
0.165541217	0.9999986525	0
0.2114022507	0.9999986525	10.478952029
0.2724025955	0.9999986525	3.4851470388
0.8485896619	0.9999986525	138.5932249613
0.3859071742	0.9999986525	0
0.7693971611	0.9999986525	67.9549220484
0.0407873118	0.9999986525	1.0847419945
0.2346422308	0.9999986525	29.4186983575
0.5923335087	0.9999986525	0
0.1535718961	0.9999986525	12.0524687874
0	0	0
0.6147184744	0.9999986525	3.5879020534
0.9299790361	0.9999986525	42.6102783558
0.4210665709	0.9999986525	9.1754548691
0.4102378412	0.9999986525	1.664038459
0.2715209368	0.9999986525	0
0.8297794896	0.9999986525	315.7320161226
0.5169639985	0.9999986525	1297.3307963674
0.5734403616	0.9999986525	1.9068002681
0.1432737589	0.9999986525	7.0610618517
0	0	0
0.0556912816	0.9999986525	19.3285631612
0.3437224306	0.9999986525	0.5401355938
0.2391369118	0.9999986525	0
0.7682133292	0.9999986525	5.3926603818
0.6729841376	0.9999986525	0
0.144141923	0.9999986525	2.1971621184
0	0	0
0.8959800737	0.9999986525	0
0.4865323994	0.9999986525	0
0.6097649992	0.9999986525	2.9782004808
0.3182117437	0.9999986525	30.3063800074
0.2970614625	0.9999986525	30.0446760433
0.6827534798	0.9999986525	1.8426459503
0.8650892204	0.9999986525	10.2244987993
0.3542384032	0.9999986525	0.6157779286
0.1131341447	0.9999986525	80.5451341031
0.2261922687	0.9999986525	1.1227329264
0.9551739255	0.9999986525	25.2879665915
0.811384845	0.9999986525	534.0548669431
0.7910479697	0.9999986525	38.6123104447
0.2224844877	0.9999986525	0
0.6750822741	0.9999986525	3.7271643067
0.8835108051	0.9999986525	0
0.3663774027	0.9999986525	0

gene_expression_table

0.6336841734	0.9999986525	0
0.9923037313	0.9999986525	254.2006256646
0.4933427402	0.9999986525	4.7726295162
0.2331582026	0.9999986525	0
0.6713404586	0.9999986525	27.7209312546
0.0229693181	0.9999986525	0
0.4137250731	0.9999986525	10.1067179957
0.8182862412	0.9999986525	0
0.8504481907	0.9999986525	1.5214230264
0.1619130452	0.9999986525	6.9655443553
0.8484534827	0.9999986525	20.6260054388
0.2389373233	0.9999986525	110.8477581548
0.8571895459	0.9999986525	0
0.5964701949	0.9999986525	3.0160854462
0.9696181929	0.9999986525	9.8653064773
0.7717145814	0.9999986525	53.9977680266
0.5130159799	0.9999986525	20.5242079962
0.5050857028	0.9999986525	1.5872905427
0.380327228	0.9999986525	17.3512066331
0.1997905218	0.9999986525	3.6816310783
0.4477149557	0.9999986525	4.2609050606
0.3541777372	0.9999986525	2.8115690184
0.3680343939	0.9999986525	1.2921363128
0.6839813879	0.9999986525	0
0.7903954537	0.9999986525	0.6356077387
0.8429631486	0.9999986525	2.3970733559
0.002244	0.9999986525	0.8124900011
0.6312664098	0.9999986525	0
0.95096047	0.9999986525	548.7160335201
0.2354921819	0.9999986525	0.856742935
0.8862032575	0.9999986525	0.8429994928
0.5089664707	0.9999986525	1.7122498392
0.021717496	0.9999986525	0
0.5034617201	0.9999986525	8.0604247741
0.3931629791	0.9999986525	3.8270677913
0.3897139542	0.9999986525	15.9556255121
0.3847496839	0.9999986525	0.1145181061
0.34882242	0.9999986525	0
0.3014013418	0.9999986525	13.2501562433
0.3188669721	0.9999986525	49.3324563096
0.4147227846	0.9999986525	0.7127192009
0.2708128104	0.9999986525	39.6054879837
0.134626818	0.9999986525	1.3493936541
0.09194285	0.9999986525	12.98140481
0.75091105	0.9999986525	3.4851470388
0.6971208471	0.9999986525	64.1023403645
0.9639604963	0.9999986525	114.3653491258
0.1107895601	0.9999986525	96.8085752476
0.882387078	0.9999986525	0

gene_expression_table

0.9228487157	0.9999986525	44.344179871
0.6647122836	0.9999986525	0
0.0898954804	0.9999986525	1.1521612214
0.6287709445	0.9999986525	1.822882475
0.6308726421	0.9999986525	6.7115007806
0.3314383263	0.9999986525	0
0.5266695583	0.9999986525	0
0.1072172742	0.9999986525	210.4140168379
0.2969052772	0.9999986525	5.0756584661
0.5339858376	0.9999986525	0.8803273392
0.3828889563	0.9999986525	1.4136235495
0.0725098688	0.9999986525	6.6692660975
0.0561300757	0.9999986525	0
0.8621135152	0.9999986525	0
0.0331543252	0.9999986525	0
0.4729816619	0.9999986525	0
0.6008373612	0.9999986525	1.5042243388
0.6497741889	0.9999986525	11.0366226441
0.6210798338	0.9999986525	2.6408362057
0.6341144358	0.9999986525	58.0680781226
0.5140334676	0.9999986525	4.3218701574
0.1844626727	0.9999986525	41.406443141
0.7907887545	0.9999986525	225.1792569606
0.183679392	0.9999986525	12.2635310032
0.7891438273	0.9999986525	0.2737720734
0.0779497716	0.9999986525	0
0.5097079145	0.9999986525	4.9862807162
0.9842764927	0.9999986525	2.9143537262
0.8650660395	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0.5006472777	0.9999986525	0.7590496878
0.5292711066	0.9999986525	2.9553258074
0.1897170802	0.9999986525	0
0.0002126	0.7627450395	0
0.2865321273	0.9999986525	16.8721086898
0.9360980766	0.9999986525	0
0.8973581926	0.9999986525	7.3913862045
0.6343287485	0.9999986525	0
0.9516567808	0.9999986525	0
0.240094099	0.9999986525	755.0905577737
0.3083376228	0.9999986525	0
0	0	0
0.2712346071	0.9999986525	18.1955619443
0.6040541161	0.9999986525	14.2902533217
0.3455832176	0.9999986525	0
0.7004765333	0.9999986525	13.4124908727
0.6393672753	0.9999986525	0
0	0	0

gene_expression_table

0.9193572266	0.9999986525	4.1575395814
0.1369100026	0.9999986525	30.9808607343
0.653182479	0.9999986525	96.7241261073
0.9626279057	0.9999986525	26.8681964862
0.8370511276	0.9999986525	5.0059795162
0.1233999733	0.9999986525	0
0.0923517628	0.9999986525	10.0263727055
0.407572193	0.9999986525	20.3477036482
0.6512026789	0.9999986525	73.7109814743
0.9018705569	0.9999986525	8.4701034256
0.061939828	0.9999986525	13.0083542429
0.7462930311	0.9999986525	2.7997200078
0.6327300983	0.9999986525	5.1997556588
0.4186532273	0.9999986525	91.0061772998
0.7864068073	0.9999986525	51.6158863381
0.2040827357	0.9999986525	86.4441505603
0.8826055615	0.9999986525	8.71229268
0.7382581022	0.9999986525	12.8709792591
0.7468476683	0.9999986525	112.1552733623
0.5400403392	0.9999986525	0
0.306893182	0.9999986525	21.7750870293
0.001606	0.9999986525	25.9145820541
0.1376770989	0.9999986525	9.7978395873
0.0887003774	0.9999986525	0
0.6853655768	0.9999986525	83.6070308015
0.0571581069	0.9999986525	3.1606174881
0.2223831039	0.9999986525	0
0.842900229	0.9999986525	1.3086356664
0.2106706998	0.9999986525	0
0.9696214775	0.9999986525	0
0.4895616503	0.9999986525	2.579623329
0.6332417536	0.9999986525	1.4472738744
0.6538042146	0.9999986525	29.0865582962
0.4210028784	0.9999986525	2066.107023702
0.6132047718	0.9999986525	10.2963651958
0.1445422178	0.9999986525	9.0574375281
0.9910786984	0.9999986525	70.6213677167
0.337934226	0.9999986525	0
0.3215974113	0.9999986525	15.8791095088
0.0711218047	0.9999986525	49.0683662679
0.1187528527	0.9999986525	0
0.3356879826	0.9999986525	4.177435
0.5298367827	0.9999986525	7.4142140701
0.2818691795	0.9999986525	0
0.7756964286	0.9999986525	17.2124052053
0.4257132983	0.9999986525	7.8592140218
0.1754048825	0.9999986525	189.506192918
0.3534419411	0.9999986525	4.5472399351
0.8625644825	0.9999986525	1.6181395755

gene_expression_table

0.8955104561	0.9999986525	147.3312454623
0.2860133622	0.9999986525	0
0.2464994827	0.9999986525	6.0897445087
0.4265195111	0.9999986525	64.881963423
0.876662164	0.9999986525	8.2942941855
0.30755387	0.9999986525	0
0.3450445635	0.9999986525	8.644415056
0.8478269068	0.9999986525	0
0.3450217008	0.9999986525	0
0.6148887756	0.9999986525	2.5528769444
0.6211773626	0.9999986525	1.4138001453
0.5049550979	0.9999986525	15.1242606605
0.2067853112	0.9999986525	6.5951446337
0.5110052846	0.9999986525	796.1097109784
0.9049227047	0.9999986525	0.7854421889
0.8674575616	0.9999986525	0
0.9260475546	0.9999986525	0
0.9196070745	0.9999986525	4.3371665659
0.7697685293	0.9999986525	0.3945695113
0.3717909156	0.9999986525	51.4333391235
0.3749649756	0.9999986525	7.7252860713
0.4579493889	0.9999986525	2.6082235284
0.5321779009	0.9999986525	168.6575855767
0.728462915	0.9999986525	8.0447704838
0.2178408676	0.9999986525	2.3367956385
0.6579252861	0.9999986525	50.7826136791
0.1971776643	0.9999986525	0
0.5617209913	0.9999986525	3.4412439659
0.377933096	0.9999986525	0
0.3999377417	0.9999986525	1.950724615
0.3018132374	0.9999986525	5.921064116
0.5093813798	0.9999986525	17.5039914579
0.6122834041	0.9999986525	0
0.8716256024	0.9999986525	2.9175736508
0.0295003471	0.9999986525	7.6586308333
0.7587895974	0.9999986525	0
0.5228437175	0.9999986525	64.8762705246
0.3180213506	0.9999986525	0
0.7619927806	0.9999986525	59.0665326065
0.5054214072	0.9999986525	6.1214010868
0.8666492356	0.9999986525	0.82544963
0.1041440155	0.9999986525	8.6311355166
0.6255473978	0.9999986525	198.5485647606
0.6312664098	0.9999986525	0
0.8247444028	0.9999986525	0
0.4991786097	0.9999986525	3.8280109176
0.3945937083	0.9999986525	4.5985126884
0.3260282556	0.9999986525	0.6264268
0.2184676147	0.9999986525	0

gene_expression_table

0.1139988734	0.9999986525	12.7369873933
0.4054183292	0.9999986525	0
0.4918398853	0.9999986525	0
0.3840674635	0.9999986525	3.1627941567
0.004399	0.9999986525	43.946492607
0.9922205055	0.9999986525	1009.5215757544
0.2524189114	0.9999986525	61.5534673044
0.1783997359	0.9999986525	0
0.3184839384	0.9999986525	6.0528242767
0.136110766	0.9999986525	6.7039754032
0.6612179238	0.9999986525	6857.0556813165
0.8199543079	0.9999986525	0
0.5540693312	0.9999986525	8.4374020651
0.2481095831	0.9999986525	11.8433084762
0.47647744	0.9999986525	4.5588190096
0.7015254791	0.9999986525	0
0.4576456453	0.9999986525	98.9024685886
0.305725726	0.9999986525	29.2963074338
0.2710328116	0.9999986525	19.3386738287
0.1905815566	0.9999986525	14.5172947296
0.6708368514	0.9999986525	88.9337088247
0.3282773836	0.9999986525	30.0728380744
0	0	0
0.1860428491	0.9999986525	19.3209870958
0.5421021377	0.9999986525	67.7535833564
0.9222241087	0.9999986525	536.8555447595
0.9176856029	0.9999986525	329.3709650773
0.0007156	0.9999986525	98.5334295267
0.608836127	0.9999986525	254.7469372574
0.3435274684	0.9999986525	20.0947087325
0.3304188465	0.9999986525	93.0418162219
0.5678721208	0.9999986525	151.0087675644
0	0	0
0.4729816619	0.9999986525	0
0.7735497863	0.9999986525	0
0.2299108671	0.9999986525	149.8975919384
0.4513886809	0.9999986525	13.4557753443
0.5239660129	0.9999986525	41.4389315232
0.0812782374	0.9999986525	145.3327414043
0.2220853034	0.9999986525	0
0.2975910681	0.9999986525	61.6779158465
0.4906753308	0.9999986525	53.146081234
0.1541872882	0.9999986525	153.4211788604
0.2724133921	0.9999986525	3.3176060267
0.5614201927	0.9999986525	71.4087590945
0.365455257	0.9999986525	21.4927869068
0.1703613587	0.9999986525	0
0.3184724897	0.9999986525	5.3840476648
0.158395296	0.9999986525	0

gene_expression_table

0.3073721396	0.9999986525	6.4047924116
0.6343648428	0.9999986525	17.9561445413
0.7604349725	0.9999986525	8.7100348117
0.3779194675	0.9999986525	37.308943234
0.9537555794	0.9999986525	1.2678586092
0.7555404598	0.9999986525	14.0065200388
0	0	0
0.5779504373	0.9999986525	0
0	0	0
0.6215899259	0.9999986525	7.2217906907
0.9078871582	0.9999986525	23.9503386618
0.1173425898	0.9999986525	12.4252300513
0.7046113945	0.9999986525	4.916398405
0.6393409256	0.9999986525	0
0.0974166454	0.9999986525	0
0.9930655785	0.9999986525	30.2797375452
0.6988742505	0.9999986525	59.804386517
0.5531948185	0.9999986525	13.7195206161
0.3579325905	0.9999986525	0.5820677603
0.8782935823	0.9999986525	0
0.7962870369	0.9999986525	3.5111746189
0.5717498386	0.9999986525	2.4790112558
0.6270566559	0.9999986525	2.3625807775
0.9336543238	0.9999986525	2.193223489
0.2762209447	0.9999986525	102.5395854097
0.2386537203	0.9999986525	71.8467846264
0.4401484668	0.9999986525	0
0.3811194845	0.9999986525	0
0.6470151314	0.9999986525	32.8649148888
0.8295379866	0.9999986525	0.8865635115
0	0	0
0.5852486663	0.9999986525	0
0.3517173881	0.9999986525	14.1124067541
0.2789154865	0.9999986525	0
0.3618806518	0.9999986525	28.3086331772
0.004022	0.9999986525	3.1851216824
0.1927157062	0.9999986525	0.7806473856
0.9582124616	0.9999986525	15.1916922843
0.8090390556	0.9999986525	4.6271174195
0.466184219	0.9999986525	5.8080072571
0.3173314851	0.9999986525	0
0.8981283359	0.9999986525	48.1544061633
0.1918071102	0.9999986525	0
0.3011050733	0.9999986525	5.891342109
0.9084778616	0.9999986525	0
0.3642047318	0.9999986525	17.2594504008
0.9823816563	0.9999986525	10.4264062515
0.509107859	0.9999986525	23.4923108227
0.5980622248	0.9999986525	0

gene_expression_table

0.9015233864	0.9999986525	112.0251898473
0.8426455256	0.9999986525	2.1839274791
0.5700732198	0.9999986525	2.1695731104
0.4416179424	0.9999986525	0.2496038027
0.1257748551	0.9999986525	5.5177073458
0.5622886159	0.9999986525	2.5734641601
0.476616341	0.9999986525	2.1366150141
0.4936759419	0.9999986525	14.6402172393
0.8201413835	0.9999986525	0
0.7325536185	0.9999986525	0
0.0732873073	0.9999986525	3.3402218781
0.8763108064	0.9999986525	23.6833714019
0.9675627225	0.9999986525	1.7241138734
0.6713604604	0.9999986525	0
0.1842711443	0.9999986525	2.6062928458
0.7697130359	0.9999986525	1.4728834477
0.9584805163	0.9999986525	173.3144877553
0.1482660614	0.9999986525	0
0.1294372063	0.9999986525	1.6229836969
0.9778433577	0.9999986525	1.5959723869
0.2262587227	0.9999986525	0
0.4247762412	0.9999986525	0.9400337865
0.4064854083	0.9999986525	0
0.1813385177	0.9999986525	0
0.0262340124	0.9999986525	0.7893749174
0.6913904404	0.9999986525	3.4839975082
0.3155676916	0.9999986525	0
0.8184655148	0.9999986525	3.939671151
0.6312664098	0.9999986525	0
0.3004985788	0.9999986525	0
0.7306324678	0.9999986525	3.3197741587
0.6062595712	0.9999986525	0.8957660466
0.4819236377	0.9999986525	3.9285839422
0.1511201689	0.9999986525	2.8180573989
0.0806935056	0.9999986525	1.7749892697
0.1464676255	0.9999986525	0
0.3881213789	0.9999986525	0
0.6394309488	0.9999986525	0
0	0	0
0.1067638085	0.9999986525	0
0.0715194726	0.9999986525	1.8523724892
0.2960414802	0.9999986525	0.7279758264
0.0213469284	0.9999986525	3.9902726139
0.7046911062	0.9999986525	0
0	0	0
0.4406377124	0.9999986525	1.2684752461
0.6014866572	0.9999986525	0
0.9932610827	0.9999986525	1.3471563674
0.3331489472	0.9999986525	30.1547657083

gene_expression_table

0.2382638544	0.9999986525	0
0.7910042226	0.9999986525	0
0.9123326945	0.9999986525	2.8271029646
0.2399883233	0.9999986525	15.8528945599
0.6772156416	0.9999986525	2.0372858093
0.7176986741	0.9999986525	24.813906327
0.8588849005	0.9999986525	7.0650920663
0.2444048203	0.9999986525	0
0.7352981504	0.9999986525	10.2061797256
0.0907032698	0.9999986525	0.1327813588
0.1859726333	0.9999986525	1.2358758419
0.8671273995	0.9999986525	0
0.9718793964	0.9999986525	0
0.7436399388	0.9999986525	3.1672514678
0	0	3.1109099503
0.3963920492	0.9999986525	5.9480491741
0.7728135048	0.9999986525	207.6804151259
0.6281242871	0.9999986525	0
0.4748086645	0.9999986525	3.3913046806
0.6789310149	0.9999986525	1.2456406572
0.6393144863	0.9999986525	0
0.3033918155	0.9999986525	1.8064686765
0.5741651229	0.9999986525	0.2821346743
0.5646686988	0.9999986525	2.4496819604
0.9014196922	0.9999986525	32.1493227637
0.4849862403	0.9999986525	53.8373665647
0.4183857854	0.9999986525	0
0.6568205981	0.9999986525	0.1629244582
0.2867049092	0.9999986525	0
0.5125927719	0.9999986525	0.6298829087
0.0006874	0.9999986525	8.6622795188
0.003484	0.9999986525	0
0.5982222229	0.9999986525	698.1521625999
0	0	0
0.1792645533	0.9999986525	8.6927905435
0.3511706155	0.9999986525	0
0.6607084371	0.9999986525	1.3428405346
0.6323480202	0.9999986525	14.1848971265
0.2253874376	0.9999986525	70.6540712058
0.1282430047	0.9999986525	24.8250516549
0	0	0
0.0252019717	0.9999986525	5.9732426529
0.7179298864	0.9999986525	0
0.2153862613	0.9999986525	4.81615158
0.2858971267	0.9999986525	6.8494619868
0.0998449237	0.9999986525	0
0.0381905751	0.9999986525	6.4945792211
0.3326026738	0.9999986525	0
0	0	0

gene_expression_table

0.2465413249	0.9999986525	2.1894502208
0.4984408519	0.9999986525	0.5945002755
0.4729816619	0.9999986525	0
0.7339295652	0.9999986525	0.1276737785
0.0226097763	0.9999986525	8.7196645508
0.1515643789	0.9999986525	0.139548432
0.3607474593	0.9999986525	0
0.772245655	0.9999986525	0.9451478771
0.0993869664	0.9999986525	1.2605656306
0.481316907	0.9999986525	27.2876045321
0.5792310399	0.9999986525	1.3550716671
0.863310594	0.9999986525	0
0.479880649	0.9999986525	0.5914560288
0.1972696116	0.9999986525	0
0.4288828951	0.9999986525	1.3412377334
0	0	0
0.0802014488	0.9999986525	33.3895484282
0.3655376455	0.9999986525	18.4699275288
0.4173741432	0.9999986525	0
0.7331078521	0.9999986525	0
0.3788272364	0.9999986525	1.1087984512
0.7158596083	0.9999986525	0.4405602168
0.6567129258	0.9999986525	0
0.5406435009	0.9999986525	0.9574503404
0.6191242986	0.9999986525	0.5978821331
0.7985929296	0.9999986525	1.3443239737
0.9637505434	0.9999986525	1.3357761704
0.2193507469	0.9999986525	6.3383040176
0	0	0
0	0	0
0.0300488046	0.9999986525	81.5734558049
0.1491996117	0.9999986525	0
0.2097004769	0.9999986525	0
0.3817370369	0.9999986525	5.3077181044
0.2716691837	0.9999986525	1.2748055282
0.9459996426	0.9999986525	0.1058119492
0.30755387	0.9999986525	0
0.212197204	0.9999986525	0
0.2486248765	0.9999986525	0.5231094846
0.3352273548	0.9999986525	0
0.6312664098	0.9999986525	0
0.7106161726	0.9999986525	0
0.1564018214	0.9999986525	15.148843549
0.6923311471	0.9999986525	0
0.221049364	0.9999986525	11.6544137314
0.2698177257	0.9999986525	0
0.2115497248	0.9999986525	0.1128652048
0.4445162794	0.9999986525	14.8343285517
0.4481408141	0.9999986525	4.0012564947

gene_expression_table

0.6312664098	0.9999986525	0
0.5795098576	0.9999986525	1.5355784734
0.404022386	0.9999986525	0
0.896772663	0.9999986525	0
0.2721933249	0.9999986525	23.1885278506
0.8309494324	0.9999986525	0
0.8247598838	0.9999986525	0.6834165475
0.636963055	0.9999986525	0
0.818121599	0.9999986525	0.7909116782
0.3796541453	0.9999986525	4.9484329753
0.6457229214	0.9999986525	0
0.4326789843	0.9999986525	1.0163167884
0.1959189996	0.9999986525	60.0572517702
0.3794370701	0.9999986525	0
0.8283075285	0.9999986525	41.5115373571
0.0199817745	0.9999986525	19.4323609099
0.8410641795	0.9999986525	10.1189011802
0.7747623745	0.9999986525	0
0.4064643555	0.9999986525	0
0.1856500822	0.9999986525	0
0.1638720963	0.9999986525	0
0.701491677	0.9999986525	0
0.5389342945	0.9999986525	0
0.5270089816	0.9999986525	0
0.3226270293	0.9999986525	0
0.1029613183	0.9999986525	66.2147687281
0.3344179735	0.9999986525	108.0746464482
0.8894337302	0.9999986525	0
0.9107635482	0.9999986525	0
0.4365257835	0.9999986525	76.9394552321
0.1437061708	0.9999986525	0
0.1035178261	0.9999986525	5.3127369708
0.8623541895	0.9999986525	0
0.1799341225	0.9999986525	152.0486397785
0.896217807	0.9999986525	0
0.001936	0.9999986525	0
0.2054251464	0.9999986525	14.6481537169
0.777370855	0.9999986525	60.3128110693
0.7480459698	0.9999986525	67.5197113607
0.1425242179	0.9999986525	2.0901503176
0.3870398954	0.9999986525	3.1581605111
0.359340927	0.9999986525	18.9365070729
0.2960615061	0.9999986525	104.7985608839
0.155059318	0.9999986525	39.3462566607
0.4617723186	0.9999986525	64.1891531529
0.9636636422	0.9999986525	53.6642908349
0.6048422483	0.9999986525	2.0735735464
0.012017641	0.9999986525	245.8815856079
0.7940750412	0.9999986525	401.4672703838

gene_expression_table

0.4484970689	0.9999986525	405.6935059284
0.7948110644	0.9999986525	2.3772206253
0.6993534999	0.9999986525	0
0.0009297	0.9999986525	0
0.6210010199	0.9999986525	30.9880216466
0.4353702683	0.9999986525	120.1877202809
0.0123497478	0.9999986525	84.7655409599
0.1502198281	0.9999986525	304.7872647866
0.2448537065	0.9999986525	382.9150891811
0.5695334048	0.9999986525	18.0137005249
0.1837793346	0.9999986525	26.3652141907
0.8822479831	0.9999986525	58.101120161
0.1348351595	0.9999986525	202.8487203827
0.8175477876	0.9999986525	3539.0769945465
0.9271060161	0.9999986525	13.7041712416
0.6755129262	0.9999986525	8.3145337258
0.7304263751	0.9999986525	0
0.6791847246	0.9999986525	0
0.652568085	0.9999986525	6.4627897976
0.8669830882	0.9999986525	0
0.3665389323	0.9999986525	43.3870874152
0.0336847053	0.9999986525	65.6440472641
0.9369591773	0.9999986525	278.9690758653
0.4327650955	0.9999986525	43.908941044
0.8793155009	0.9999986525	0
0.6829530021	0.9999986525	0
0.3260791442	0.9999986525	42.5651709534
0.002136	0.9999986525	43.2141937562
0	0	0
0.9146067342	0.9999986525	0
0.49579339	0.9999986525	22.3398011905
0.3637203576	0.9999986525	6.9799667252
0.8268063802	0.9999986525	15.3372784162
0.5541954734	0.9999986525	10.3690890616
0.0694816412	0.9999986525	38.5081430742
0.5498994376	0.9999986525	13.5599497747
0.4150621612	0.9999986525	3.848513337
0.4783847624	0.9999986525	116.9657128886
0.9690323874	0.9999986525	0
0.5747747313	0.9999986525	0
0.3169924472	0.9999986525	0
0.521731571	0.9999986525	2810.2334704482
0.5327402361	0.9999986525	0
0.6580144365	0.9999986525	5.7459520455
0.2616363844	0.9999986525	156.3202653633
0.0176318862	0.9999986525	29.8586150081
0.5826727068	0.9999986525	0
0.2385466902	0.9999986525	4145.881064429
0.8051776972	0.9999986525	51.3397344236

gene_expression_table

0.0721346464	0.9999986525	222.6347840922
0.8123397365	0.9999986525	89.7814164493
0.3869411907	0.9999986525	1.1029899906
0.3525988114	0.9999986525	0
0.2749947643	0.9999986525	13.9848850063
0.6521952471	0.9999986525	16.5948142316
0.9060678528	0.9999986525	50.6653328161
0.6024590609	0.9999986525	3.1321265702
0.1351544079	0.9999986525	5.5447683177
0.5494405224	0.9999986525	0
0.3978655474	0.9999986525	0
0.7425699877	0.9999986525	4.4932719267
0.027444344	0.9999986525	2.9712471576
0.9976256795	0.9999986525	1.0563206174
0.4728167997	0.9999986525	77.6827587169
0.9452363066	0.9999986525	0
0.1757859488	0.9999986525	36.1765248504
0.6545025253	0.9999986525	397.3460932387
0.1298162429	0.9999986525	71.3129407672
0.7415337239	0.9999986525	0
0.4722425038	0.9999986525	6.2612825402
0.0101678526	0.9999986525	0
0.4647993072	0.9999986525	15.6562998695
0.189348844	0.9999986525	6.8940923834
0.9252712942	0.9999986525	65.5971659386
0.0400188224	0.9999986525	189.0507974258
0.2035021128	0.9999986525	6.5926748504
0.9788299235	0.9999986525	81.5716232083
0.1013189689	0.9999986525	19.5752106102
0.1422341552	0.9999986525	3.0045464914
0.8128731906	0.9999986525	0
0.9737345321	0.9999986525	9.6684518492
0.9271418591	0.9999986525	75.4638553958
0.4805876839	0.9999986525	0
0.7027745783	0.9999986525	0
0	0	0
0.0248649907	0.9999986525	37.5128453979
0.981666068	0.9999986525	2447.5837953519
0.6082082382	0.9999986525	3.3227794662
0.7878800486	0.9999986525	26.8068276252
0.3840629657	0.9999986525	56.1452000988
0	0	0
0.8662677786	0.9999986525	62.1632747485
0.768245367	0.9999986525	0
0.1830923301	0.9999986525	0
0.3441006639	0.9999986525	4.8067274836
0.4729816619	0.9999986525	0
0.8620589175	0.9999986525	0
0.9347418409	0.9999986525	3.5600888592

gene_expression_table

0.4564436196	0.9999986525	6.3784925394
0.2257087879	0.9999986525	14.4508507161
0.2450544208	0.9999986525	17.6253982111
0.7475486692	0.9999986525	65.2782179618
0.95560097	0.9999986525	14.071984873
0.9379886968	0.9999986525	2.9169290968
0.9597475327	0.9999986525	4.1697393199
0.1909177469	0.9999986525	432.2847399307
0.6723772446	0.9999986525	0
0.7587811113	0.9999986525	13.1508760524
0.7107807515	0.9999986525	127.3218341252
0.7749348993	0.9999986525	5.431519008
0.676272196	0.9999986525	54.9572510159
0.3340820497	0.9999986525	3.3386382342
0.5958011236	0.9999986525	111.2438569741
0.5108305218	0.9999986525	0
0.083306912	0.9999986525	4.4700734851
0.4539525513	0.9999986525	3.1489338318
0.902441621	0.9999986525	0
0.2624625255	0.9999986525	8.8182415294
0.8892213368	0.9999986525	6.9730549546
0.9532844351	0.9999986525	0
0.5581957185	0.9999986525	297.7828655531
0.7276758871	0.9999986525	13.6135889229
0.6376839884	0.9999986525	13663.3022277021
0.0479813687	0.9999986525	27.6812178411
0	0	0
0	0	0
0.2816385062	0.9999986525	34.6150537285
0.9473423353	0.9999986525	0
0.6803101849	0.9999986525	0
0.3420472465	0.9999986525	0
0.3362145493	0.9999986525	240.4778817025
0.3950918124	0.9999986525	0
0.0330460363	0.9999986525	20.5661675336
0.2486752283	0.9999986525	2.5484832909
0.9748963001	0.9999986525	1.348555236
0.2089610332	0.9999986525	0
0.7835723828	0.9999986525	6.8325273694
0.4211668925	0.9999986525	0
0.5046582491	0.9999986525	354.3131505857
0.6766121458	0.9999986525	112.4497904038
0.6394569773	0.9999986525	0
0.8383448595	0.9999986525	26.9615976943
0.0442780456	0.9999986525	1312.6793819488
0.4529336482	0.9999986525	15.4864387332
0.9009744587	0.9999986525	17.5018162384
0.1917767845	0.9999986525	0
0.5967934364	0.9999986525	10.8484597521

gene_expression_table

0.9779724947	0.9999986525	10.7127623177
0.5074170499	0.9999986525	22.2210658363
0.7062844085	0.9999986525	21.0100122233
0.5283953955	0.9999986525	3.697763132
0.2331966595	0.9999986525	20.5528284705
0.8328822757	0.9999986525	0
0.6744465268	0.9999986525	3.4397497868
0.6035738163	0.9999986525	16.8358043437
0.8333710753	0.9999986525	0
0.4729816619	0.9999986525	0
0.4005342211	0.9999986525	19.9739276884
0.3300537306	0.9999986525	2.0296206311
0.1419745852	0.9999986525	0
0.5193788862	0.9999986525	2.8862317713
0.8140042417	0.9999986525	0
0.6037194304	0.9999986525	0
0.4064432951	0.9999986525	0
0.3719798204	0.9999986525	0
0.670261288	0.9999986525	0
0.247211233	0.9999986525	258.3289478461
0.1539722013	0.9999986525	0
0.3692052285	0.9999986525	4.9019786733
0.6945433156	0.9999986525	154.313858952
0.5780331931	0.9999986525	1141.100141728
0.1768230041	0.9999986525	413.8211026547
0.9419067245	0.9999986525	0
0.3420778135	0.9999986525	0
0.2748044555	0.9999986525	0
0.9945544071	0.9999986525	0
0.9470737046	0.9999986525	3.0438544307
0.3125716355	0.9999986525	0
0.2847127019	0.9999986525	9.8680714175
0.6478421181	0.9999986525	0
0.0638410572	0.9999986525	107.6736355276
0.1994178342	0.9999986525	0
0.1516155721	0.9999986525	15.4372495692
0.221572885	0.9999986525	79.6590018496
0.6746441118	0.9999986525	0
0.9015893472	0.9999986525	0
0.4886895617	0.9999986525	33.9094178018
0.4957261704	0.9999986525	41.9824469208
0.1291838771	0.9999986525	65119.5022946475
0.7282589579	0.9999986525	0
0.886256272	0.9999986525	0
0.8604089748	0.9999986525	33.6775729089
0.4912485216	0.9999986525	4.1020519011
0.5906098016	0.9999986525	148.2071609709
0.3058412811	0.9999986525	25.1494848697
0.9123178512	0.9999986525	29.4474035274

gene_expression_table

0.1451054198	0.9999986525	24.2359750412
0.9677610846	0.9999986525	0
0.3406897404	0.9999986525	6.8780063674
0.9283508011	0.9999986525	0
0.6768463702	0.9999986525	0
0.6408391735	0.9999986525	0
0.8376356973	0.9999986525	0
0.8259837947	0.9999986525	0
0.9141035318	0.9999986525	9.1243326094
0.5926210432	0.9999986525	0
0	0	0
0.9829622142	0.9999986525	0
0.9991730185	0.9999986525	3.7930133745
0.7413232069	0.9999986525	0
0.351553268	0.9999986525	0
0.7905280148	0.9999986525	10.2941074411
0.4503757168	0.9999986525	659.5850625944
0.5713878425	0.9999986525	36.4661452919
0	0	0
0	0	0
0.2849005976	0.9999986525	0
0.8148939062	0.9999986525	20.8051677078
0.141727995	0.9999986525	0
0.4781981551	0.9999986525	150.5895835373
0.2301266202	0.9999986525	66.6669734214
0.3170978928	0.9999986525	5.3672681124
0.3125490737	0.9999986525	117.4077470759
0.3184711735	0.9999986525	10.0438513267
0.5213341167	0.9999986525	0
0.4221165802	0.9999986525	0
0.3125686376	0.9999986525	0
0.5200880688	0.9999986525	18.1960097248
0.3027030151	0.9999986525	6.061160065
0.5176574922	0.9999986525	139.4657025286
0.2299030299	0.9999986525	12.3047904005
0.0582107635	0.9999986525	385.4721333489
0.5312110323	0.9999986525	0
0.7074288037	0.9999986525	97.9225553764
0.1835849932	0.9999986525	33.2511552317
0.001851	0.9999986525	44.8716382551
0.0887181934	0.9999986525	167.7964042139
0.2247522506	0.9999986525	0
0.0870083242	0.9999986525	18.8106084149
0.5068879588	0.9999986525	73.3545864932
0.1802591701	0.9999986525	0
0.3890090056	0.9999986525	7.4217243551
0.8311985659	0.9999986525	37.3595271584
0.9387162974	0.9999986525	9.5389376688
0.6795677333	0.9999986525	0

gene_expression_table

0.7980351342	0.9999986525	332.6008324153
0.4825041476	0.9999986525	141.4027261749
0.415164874	0.9999986525	13.0261930689
0.533610572	0.9999986525	27.316110531
0.2645165979	0.9999986525	30.1678893143
0.5803297183	0.9999986525	3.1719118481
0.2368086497	0.9999986525	0.8355442773
0.1219162179	0.9999986525	5.134543868
0.586078515	0.9999986525	23.9749955065
0.909303975	0.9999986525	194.8853071082
0.9992539177	0.9999986525	0
0.1003205192	0.9999986525	10.2422027007
0.3889706415	0.9999986525	0
0.3238146941	0.9999986525	0
0.4064898166	0.9999986525	0
0.5490185523	0.9999986525	0
0.9155380779	0.9999986525	6.7227492651
0.5574256962	0.9999986525	0
0.7791728527	0.9999986525	0
0.3711407608	0.9999986525	27.2505920246
0.2645108194	0.9999986525	76.7396293246
0.8190785434	0.9999986525	0
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.7564859491	0.9999986525	0
0.2004448098	0.9999986525	0
0.4093569551	0.9999986525	1.7138102183
0.2061837793	0.9999986525	0
0.193728841	0.9999986525	0
0.30755387	0.9999986525	0
0.8672891946	0.9999986525	0
0.6000426777	0.9999986525	1.9410459122
0.6312664098	0.9999986525	0
0.2085683147	0.9999986525	4.6899847461
0.0740186353	0.9999986525	0
0.6762864932	0.9999986525	0
0.5071628923	0.9999986525	4.0357557961
0.1229645806	0.9999986525	1.5218395063
0.4965158777	0.9999986525	7.5434086212
0.1940081046	0.9999986525	130.2760686391
0.352201383	0.9999986525	0
0.0623656702	0.9999986525	785.8682455048
0.4136220841	0.9999986525	41.6776501155
0.202044996	0.9999986525	6.6141412932
0.8015469599	0.9999986525	85.1734358365
0.4393156619	0.9999986525	155.4874923248
0.3355507618	0.9999986525	48.7573100317
0.681000828	0.9999986525	27.2887260744
0.4405205303	0.9999986525	145.4127704469

gene_expression_table

0.7904946262	0.9999986525	114.1137498506
0.5416399845	0.9999986525	31.8842110896
0.9299067903	0.9999986525	0
0.560930728	0.9999986525	2.5748442691
0.403534194	0.9999986525	108.7911483033
0.557731628	0.9999986525	0
0.7049714339	0.9999986525	23.9894743564
0.3992442048	0.9999986525	0
0.171892511	0.9999986525	192.050611732
0.5793777872	0.9999986525	1963.3760128267
0.0596085964	0.9999986525	40.4704354225
0.6734010812	0.9999986525	306.7604156417
0.2851027154	0.9999986525	0
0.1622030305	0.9999986525	3.0680496622
0.4306271273	0.9999986525	255.5718278554
0.5636284206	0.9999986525	29.1812635239
0.2317292326	0.9999986525	6.5202368181
0.1164140822	0.9999986525	217.3756330353
0.1907784095	0.9999986525	1070.3113353677
0.5722487661	0.9999986525	0
0.8796509623	0.9999986525	3.3491181221
0.4934115461	0.9999986525	32.3647747276
0.6467355582	0.9999986525	195.110295918
0.9145313911	0.9999986525	0
0.6394829529	0.9999986525	0
0.2488924198	0.9999986525	6.6633760063
0.1742199925	0.9999986525	0
0.6099066876	0.9999986525	0
0.4080665974	0.9999986525	5.9089190229
0.4139373942	0.9999986525	1.148503169
0	0	0
0.3049076893	0.9999986525	44.8843497674
0.6550243909	0.9999986525	0
0.8621689402	0.9999986525	0
0.4974261428	0.9999986525	0
0.1281374572	0.9999986525	34.4526711377
0.1882870374	0.9999986525	86.3779036412
0.575177086	0.9999986525	6.318642048
0.6510691778	0.9999986525	53.6143031809
0.6889127163	0.9999986525	79.8245505026
0.3892119103	0.9999986525	2.7425828647
0.1449041433	0.9999986525	2.8717262915
0.1935039363	0.9999986525	59.6252231271
0.1350234626	0.9999986525	2.7636073481
0.5470823414	0.9999986525	96.8255167482
0.2173788221	0.9999986525	0
0.964190224	0.9999986525	13.2503289339
0.7239711213	0.9999986525	2.4028170258
0.7002151622	0.9999986525	0

gene_expression_table

0	0	0
0.3485251063	0.9999986525	0
0.2493450329	0.9999986525	24.3921661862
0.2322476301	0.9999986525	0
0	0	0
0.2604432601	0.9999986525	19.3138205575
0.0938356154	0.9999986525	16.0766845177
0.9490617538	0.9999986525	1.3516383843
0.2061830216	0.9999986525	11.1382604344
0.54965322	0.9999986525	110.1309694247
0.7376055836	0.9999986525	0
0.1653543349	0.9999986525	0
0	0	0
0.5824066866	0.9999986525	0
0.6312664098	0.9999986525	0
0.3702962809	0.9999986525	23.8041266408
0.1970386698	0.9999986525	4.8108870674
0.9209205067	0.9999986525	10.7572751805
0.4590597902	0.9999986525	0
0.2003694	0.9999986525	300.1228050162
0.0412709839	0.9999986525	26.7647617172
0.5970926585	0.9999986525	0
0.8003924385	0.9999986525	1.3568820036
0.4065364366	0.9999986525	0
0.1327297372	0.9999986525	12.6454970014
0.3528260962	0.9999986525	17.2004293198
0.7930852638	0.9999986525	28.1099538151
0.3975997946	0.9999986525	11.8910093946
0.9869788923	0.9999986525	45.2367607934
0.8897132104	0.9999986525	3.7867583155
0.4486031207	0.9999986525	1.0730392374
0.2023388417	0.9999986525	9.3257718228
0.822201328	0.9999986525	210.904165962
0.6985990647	0.9999986525	0
0.9077892865	0.9999986525	6.1475868032
0.1620639793	0.9999986525	6.9130678695
0.8633285007	0.9999986525	39.8295009248
0.8554868932	0.9999986525	17.5112460963
0.5186684345	0.9999986525	113.8061843188
0.8675086101	0.9999986525	0
0.1354375314	0.9999986525	127.8680604911
0.7273277295	0.9999986525	43.9969328776
0.411381665	0.9999986525	0
0.5035020505	0.9999986525	156.9896008709
0.9449429178	0.9999986525	38.3515490715
0.492636271	0.9999986525	0
0.8917259006	0.9999986525	54.5175930078
0.4302604406	0.9999986525	565.1673906136
0.9067426813	0.9999986525	21.4974735835

gene_expression_table

0.4065831532	0.9999986525	0
0.8335748875	0.9999986525	7.0559676989
0.4337063903	0.9999986525	21.8487612892
0.2647551687	0.9999986525	0
0.0928439422	0.9999986525	365.8985955684
0.2697443049	0.9999986525	0
0.1323990737	0.9999986525	17.4142436779
0.1517725138	0.9999986525	0
0	0	0
0.8620043179	0.9999986525	0
0.3440837794	0.9999986525	13.6059900969
0.4995808275	0.9999986525	1547.4922369763
0.3379514141	0.9999986525	0
0.3045469529	0.9999986525	14.4418699005
0.2920776675	0.9999986525	0
0.494355771	0.9999986525	20.3584604989
0.6887971227	0.9999986525	1.319226613
0.1896571538	0.9999986525	1.9586463026
0.9677704097	0.9999986525	30.4297754242
0.5326946636	0.9999986525	777.9265285348
0.0730811216	0.9999986525	15.0338509042
0.4193346749	0.9999986525	0
0.401711117	0.9999986525	0
0.110145318	0.9999986525	295.9516558785
0.8942772567	0.9999986525	62.273220406
0.540927366	0.9999986525	16.1779811455
0.1491192171	0.9999986525	87.4692252837
0.8840117261	0.9999986525	0
0.1171376749	0.9999986525	10.0001107472
0.5909605786	0.9999986525	134.9359177984
0.8346129491	0.9999986525	6.6460188791
0.8358812181	0.9999986525	4.2847572794
0.9000192075	0.9999986525	0
0.4885878328	0.9999986525	736.5796554381
0.9951065099	0.9999986525	72.2884180486
0.9298357833	0.9999986525	0
0.5384998932	0.9999986525	0
0.7561234146	0.9999986525	4.7345511633
0.1561298396	0.9999986525	1.0699848707
0.2352410606	0.9999986525	23.2743738569
0.7191691323	0.9999986525	0
0.3445842142	0.9999986525	1.8740301691
0.0959242904	0.9999986525	13.23590753
0.5184403606	0.9999986525	47.1605475846
0.0850610281	0.9999986525	481.7988891105
0.0287207244	0.9999986525	14.6820881878
0.7206927443	0.9999986525	23.6150197345
0.6472037997	0.9999986525	1.076297498
0.9861858051	0.9999986525	8.3893759758

gene_expression_table

0.0774372829	0.9999986525	6.4086783432
0.2614572716	0.9999986525	0
0.6751245564	0.9999986525	13.4660678802
0.0371578297	0.9999986525	5.4610607203
0.0546925077	0.9999986525	258.2587688328
0.8083304975	0.9999986525	0
0.5969118176	0.9999986525	3.60094897
0.0962893139	0.9999986525	12.4858878362
0.0840749647	0.9999986525	5.1483917036
0.4729816619	0.9999986525	0
0.9952788799	0.9999986525	211.3437327939
0.4739474707	0.9999986525	0
0.1463118334	0.9999986525	6.2911159293
0.2267067522	0.9999986525	0
0.0723434602	0.9999986525	10.0102195274
0.9022027821	0.9999986525	3.7206000864
0.5457553697	0.9999986525	11.4210776291
0.4932946272	0.9999986525	13.7589991471
0.3229875728	0.9999986525	0
0.336285562	0.9999986525	7.2743938881
0.9513867931	0.9999986525	0
0.3020452938	0.9999986525	0
0.487344826	0.9999986525	0
0.3439354463	0.9999986525	2.6790736412
0.915171079	0.9999986525	0
0.6763073365	0.9999986525	1.2005073131
0.6606449059	0.9999986525	0
0	0	0
0.639287954	0.9999986525	0
0.1933521561	0.9999986525	0
0	0	0
0	0	0
0.6160442078	0.9999986525	0
0.1665059668	0.9999986525	0
0.5176906814	0.9999986525	0
0.5327774069	0.9999986525	884.6552466719
0.6312664098	0.9999986525	0
0.7276562334	0.9999986525	43.2389033054
0.2916162956	0.9999986525	42.0074911325
0.6216269387	0.9999986525	24.9947554313
0.4285882817	0.9999986525	17.1418105246
0.7747668668	0.9999986525	7.3850524039
0.1092279764	0.9999986525	0
0.8045046998	0.9999986525	1.4208748514
0.4494155904	0.9999986525	5.0227216573
0.095033753	0.9999986525	1.3179591547
0.1953200944	0.9999986525	92.3320248712
0.9393906722	0.9999986525	9.453363871
0.7618362975	0.9999986525	36.4989068599

gene_expression_table

0.0386231524	0.9999986525	4.7601548649
0.6729980316	0.9999986525	0
0.9072977679	0.9999986525	0
0.2357032899	0.9999986525	29.9851920286
0.5012524792	0.9999986525	0
0.6320155426	0.9999986525	1.0662370183
0.4323107947	0.9999986525	0
0.3470007983	0.9999986525	26.0809472723
0.1985910027	0.9999986525	2408.8446169355
0.3551396275	0.9999986525	35.1390008159
0.212285222	0.9999986525	2.3482419457
0.6184235991	0.9999986525	0
0.8125575991	0.9999986525	19.4277656031
0.7974476146	0.9999986525	0
0.860547895	0.9999986525	159.1003561532
0.7639900301	0.9999986525	4.8517677852
0.5429334456	0.9999986525	43.0431281388
0.9560775677	0.9999986525	0
0.4710748799	0.9999986525	0
0.1033040388	0.9999986525	0
0.2215522384	0.9999986525	0
0.7722163966	0.9999986525	18.3335363699
0.3116813915	0.9999986525	0
0.7037081968	0.9999986525	0
0.2696710553	0.9999986525	0
0.1502166415	0.9999986525	17.4142436779
0.1550082844	0.9999986525	2.7351969665
0.2437245123	0.9999986525	189.9430847313
0.4948456753	0.9999986525	2.9025015512
0	0	22.1349196254
0.7015167619	0.9999986525	27.7748715363
0	0	0
0.2864904342	0.9999986525	8.8155430189
0.8792503076	0.9999986525	712.220888944
0.6392613246	0.9999986525	0
0.6532105877	0.9999986525	16.7583430831
0.436466915	0.9999986525	66.9995502813
0.2919478713	0.9999986525	0
0.9649235693	0.9999986525	245.018177721
0.3379686267	0.9999986525	0
0.3524827552	0.9999986525	0
0.25314298	0.9999986525	10.0297048334
0.3816110603	0.9999986525	115.4943541344
0.5220206219	0.9999986525	0
0.7365476519	0.9999986525	100.34309986
0.8132566087	0.9999986525	0
0.4066299678	0.9999986525	0
0.3305655104	0.9999986525	0
0.5678188019	0.9999986525	7.9371683538

gene_expression_table

0.4274666728	0.9999986525	3.4047136556
0.5094047783	0.9999986525	0
0.6725801168	0.9999986525	0
0.9745719026	0.9999986525	470.8110172246
0.7220816204	0.9999986525	13.5108514265
0.7517113799	0.9999986525	0
0.6888793845	0.9999986525	93.3933125134
0.6174812237	0.9999986525	0
0.5061063923	0.9999986525	10.2991260192
0.3287788132	0.9999986525	0
0.0892700399	0.9999986525	0
0.9870048494	0.9999986525	5.3342004067
0.9797206738	0.9999986525	2.8159913744
0.6312664098	0.9999986525	0
0.3558296096	0.9999986525	463.2799844413
0.417131406	0.9999986525	38.5397560714
0.0367899969	0.9999986525	258.2959176776
0	0	0
0.4975750319	0.9999986525	0
0.1980425334	0.9999986525	13.1089856186
0.2676962429	0.9999986525	0
0.4729816619	0.9999986525	0
0.6972976515	0.9999986525	1.179303283
0.3182947509	0.9999986525	5.933481432
0.6168029221	0.9999986525	0.7446865981
0.7658509665	0.9999986525	0
0.8134729564	0.9999986525	3.7332238797
0.9966960235	0.9999986525	3.6004989076
0.5069647625	0.9999986525	0
0.7034577864	0.9999986525	0
0.0507985332	0.9999986525	0
0.8487505946	0.9999986525	0
0.7377890428	0.9999986525	0
0.8638252804	0.9999986525	0.862211745
0.2935180125	0.9999986525	0
0.5548691642	0.9999986525	0
0.3885745874	0.9999986525	1.6767387843
0.6162900306	0.9999986525	4.5376680322
0.4912771614	0.9999986525	0
0.1787346127	0.9999986525	0
0.089773194	0.9999986525	0
0.3585592993	0.9999986525	0
0.2527265763	0.9999986525	0
0.3411713367	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0.4920116112	0.9999986525	0.3502841543
0.8512468	0.9999986525	0
0.2184420572	0.9999986525	0

gene_expression_table

0.9739113414	0.9999986525	8.5067114804
0.3229343126	0.9999986525	0
0.9642379648	0.9999986525	28.7000968516
0.8759252099	0.9999986525	0
0.6306628087	0.9999986525	318.8764874041
0.651217752	0.9999986525	0
0.6636605851	0.9999986525	17.7079357004
0.3789212166	0.9999986525	0
0.5654973892	0.9999986525	0
0.6086356752	0.9999986525	8.6876428192
0.9523745917	0.9999986525	180.1011299086
0.9899640742	0.9999986525	6.36949217
0.0965581712	0.9999986525	1002.0704221333
0.30755387	0.9999986525	0
0.506622357	0.9999986525	118.8923688473
0.2221666873	0.9999986525	69.4832904869
0.1831991383	0.9999986525	5.05347988
0.6134543631	0.9999986525	22.3073617438
0.5571290717	0.9999986525	44.986301726
0.1867696543	0.9999986525	9.7948661399
0.4567245645	0.9999986525	13.5134441825
0.5946645701	0.9999986525	822.0065093589
0.2300151921	0.9999986525	0
0.6312664098	0.9999986525	0
0.710176868	0.9999986525	0
0.0587991523	0.9999986525	0
0.2943099702	0.9999986525	273.293237911
0.7720833318	0.9999986525	1.0936822992
0.660204036	0.9999986525	56.9217728324
0.9555955232	0.9999986525	0
0.2979849015	0.9999986525	0
0.6044073239	0.9999986525	3.3354754469
0.7789228564	0.9999986525	3369.5426330239
0.0997872357	0.9999986525	18.6651598551
0.7199752607	0.9999986525	37.7002906121
0.251712612	0.9999986525	16.5647417333
0.7371048015	0.9999986525	0
0.2877786087	0.9999986525	113.7413888578
0.6456883922	0.9999986525	0
0.8621575337	0.9999986525	0
0.9427162799	0.9999986525	141.2845162382
0	0	0
0.2010094497	0.9999986525	63.8086372623
0.4448743654	0.9999986525	0
0.7598399681	0.9999986525	3.4331535883
0.9466114625	0.9999986525	4.6831228753
0.4475504731	0.9999986525	0
0.7547953446	0.9999986525	0
0.0132953121	0.9999986525	263.9978525847

gene_expression_table

0.9491070805	0.9999986525	7.5739239188
0.7930493426	0.9999986525	0
0.30755387	0.9999986525	0
0.7751507184	0.9999986525	5.0402174191
0.3478048263	0.9999986525	59.930687349
0.0814478192	0.9999986525	0
0.6424005215	0.9999986525	38.0693616269
0.6166154108	0.9999986525	0
0.3259797784	0.9999986525	25.410504336
0.9009141554	0.9999986525	1.4299926414
0.5731793185	0.9999986525	21.3355086961
0.7939124055	0.9999986525	2.0828141431
0.4945618224	0.9999986525	0
0.943645562	0.9999986525	0
0.4500661329	0.9999986525	69.0188077791
0.8621461461	0.9999986525	0
0.4611752953	0.9999986525	2.8203523564
0.1723421344	0.9999986525	79.5133729614
0.6312664098	0.9999986525	0
0.9050884224	0.9999986525	0
0.3099903805	0.9999986525	7.3695553236
0.3421083788	0.9999986525	0
0.2626265056	0.9999986525	45.4609078049
0.1022100073	0.9999986525	3.5141338896
0.703365511	0.9999986525	6.7701471896
0.6589123317	0.9999986525	0
0.5385368682	0.9999986525	2.6252071889
0.9330622563	0.9999986525	9.6182695732
0.3522097212	0.9999986525	81.499965665
0.002523	0.9999986525	14.4064152281
0.1190518499	0.9999986525	15.9993693506
0.2578488859	0.9999986525	5.6595942054
0.9724777625	0.9999986525	36.5964588779
0.3361890418	0.9999986525	0
0.115388119	0.9999986525	100.651860118
0.6392345952	0.9999986525	0
0.9293256953	0.9999986525	0
0.6703290282	0.9999986525	2337.7932322108
0.5478625431	0.9999986525	86.9262702996
0.3028124681	0.9999986525	4.3548891549
0.6601070718	0.9999986525	0
0.9560722648	0.9999986525	78.3589291192
0.4066768806	0.9999986525	0
0.3171282378	0.9999986525	4.0343685147
0.1518116776	0.9999986525	1.4169103994
0.7786353364	0.9999986525	9.7985005986
0.4465967142	0.9999986525	0
0.3061698771	0.9999986525	51.1143655711
0.2003231976	0.9999986525	20.8366326511

gene_expression_table

0.3357300001	0.9999986525	3.8748289234
0.256727756	0.9999986525	36.6254634024
0.261729184	0.9999986525	0
0.4175865043	0.9999986525	0
0.2215868717	0.9999986525	1.9869422406
0.6736963935	0.9999986525	16.0090688773
0.5629893253	0.9999986525	0
0.494739552	0.9999986525	0
0.0758012839	0.9999986525	0
0.3379858639	0.9999986525	0
0.3930753915	0.9999986525	0
0.4731051472	0.9999986525	0
0.3817162672	0.9999986525	0
0.6798571966	0.9999986525	25.7152197031
0.5042014464	0.9999986525	36.5578575632
0.7446183677	0.9999986525	0
0.3451561499	0.9999986525	7.8756215667
0.2079582727	0.9999986525	17.800444296
0.7369446817	0.9999986525	91.418750639
0.3368497904	0.9999986525	100.2875257086
0.4668132449	0.9999986525	0
0.8891946026	0.9999986525	102.3525547022
0.5470822871	0.9999986525	1.9561434952
0.469594376	0.9999986525	60.9118041951
0.6312664098	0.9999986525	0
0.6392077606	0.9999986525	0
0.7028378789	0.9999986525	2.3312256997
0.6328075842	0.9999986525	0
0.9982517065	0.9999986525	0
0.7994488175	0.9999986525	4.8030118431
0	0	0
0.6391808169	0.9999986525	0
0.5620260596	0.9999986525	0
0.9356460612	0.9999986525	0
0.1165639286	0.9999986525	12.5508360804
0.3377682375	0.9999986525	7.1029410566
0.8530673515	0.9999986525	0
0.5531052571	0.9999986525	0
0	0	0
0.3223808378	0.9999986525	2.0225918438
0	0	0
0.9727924573	0.9999986525	23.6155957013
0.0559433165	0.9999986525	4.0928330926
0.7447022421	0.9999986525	6.0622036532
0.4729816619	0.9999986525	0
0.4944758016	0.9999986525	0
0.4359146981	0.9999986525	29.6469468792
0.8841995098	0.9999986525	0
0	0	0

gene_expression_table

0.9102181137	0.9999986525	14.7360262908
0.3633580655	0.9999986525	0
0.7679460327	0.9999986525	5.7484536845
0.6326447704	0.9999986525	6.6189075698
0.2066608887	0.9999986525	0
0.9559768595	0.9999986525	0
0.1302065418	0.9999986525	2.9279794999
0.9676963106	0.9999986525	0
0.4330340628	0.9999986525	75.571135023
0.0629165605	0.9999986525	34.5527760722
0.1198099073	0.9999986525	1.9551296867
0.2442406775	0.9999986525	44.0891627898
0.580653275	0.9999986525	12.6889429211
0.6471427131	0.9999986525	0
0.3127561203	0.9999986525	79.7105277241
0.5450554682	0.9999986525	0.7383051168
0.1252358872	0.9999986525	0
0.3841443079	0.9999986525	8.9758528597
0.3549168611	0.9999986525	0
0.4279742937	0.9999986525	129.6047073038
0.0839176054	0.9999986525	0
0.6312664098	0.9999986525	0
0.2619291817	0.9999986525	13.1283561851
0.5593505092	0.9999986525	0
0.7193544149	0.9999986525	847.1078802493
0.7020358644	0.9999986525	0
0.3656979916	0.9999986525	15.6369854112
0.9293487641	0.9999986525	0
0.0674973728	0.9999986525	0
0.1641204455	0.9999986525	0
0.2558620752	0.9999986525	5.3908255819
0.128019257	0.9999986525	17.6601954403
0.30755387	0.9999986525	0
0.5056158194	0.9999986525	8.3924866083
0.6312664098	0.9999986525	0
0.6829927566	0.9999986525	2.2803937058
0.3169516626	0.9999986525	0
0.4384570901	0.9999986525	1.2008075628
0.1126832301	0.9999986525	0
0.2839715064	0.9999986525	593.1034057741
0.517119892	0.9999986525	11.3553898573
0.8621101163	0.9999986525	0
0.5537097735	0.9999986525	0
0.8599359055	0.9999986525	8.6353692326
0.7191787183	0.9999986525	0
0.4006869155	0.9999986525	5.8753941736
0.892213826	0.9999986525	0
0.2125384975	0.9999986525	114.9795026698
0.7376334641	0.9999986525	61.7081144567

gene_expression_table

0.8835273698	0.9999986525	1.4662794144
0.6389293507	0.9999986525	0
0.4038578738	0.9999986525	38.8623386507
0.9228614689	0.9999986525	23.1225114623
0.0969935031	0.9999986525	69.444135167
0.6364222391	0.9999986525	34.6974908278
0.2103478138	0.9999986525	13.6426007688
0.002754	0.9999986525	251.7946041779
0.8508072802	0.9999986525	0
0.8620671524	0.9999986525	0
0.9994539065	0.9999986525	3.1602392428
0.8417168521	0.9999986525	0
0.5823943633	0.9999986525	0
0.8634074531	0.9999986525	13.5978162272
0.0211466596	0.9999986525	19.1181604439
0.9499672342	0.9999986525	0
0.6606000771	0.9999986525	0
0.3121298701	0.9999986525	1.7728145489
0.4716647005	0.9999986525	9.1603361766
0.1057210977	0.9999986525	268.4866292253
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.639126584	0.9999986525	0
0.4040063247	0.9999986525	0
0.0676763421	0.9999986525	32.5544919178
0.0623031952	0.9999986525	3.917946456
0.9029162233	0.9999986525	16.2117775232
0.2038851977	0.9999986525	0
0.3529444592	0.9999986525	0
0.1709575017	0.9999986525	50.9393501411
0.6135932484	0.9999986525	1.6565434485
0.5094907924	0.9999986525	4.3658690772
0.2185530269	0.9999986525	517.3224403289
0.6648199808	0.9999986525	1.0549491286
0.4747585737	0.9999986525	142.8280517491
0.882268663	0.9999986525	5.0763089414
0.3659418466	0.9999986525	40.2944367333
0.6278614472	0.9999986525	1.8430317639
0.4700130955	0.9999986525	1.117612964
0.341919302	0.9999986525	0
0.4451605044	0.9999986525	3304.0965459275
0.847847837	0.9999986525	9.5014695019
0.1055625816	0.9999986525	30.2182338586
0.0875404241	0.9999986525	6.3091528164
0.6577762348	0.9999986525	4.5090001047
0.9892503672	0.9999986525	0
0.1307510215	0.9999986525	0
0.3440931694	0.9999986525	0
0.7249667239	0.9999986525	0

gene_expression_table

0.6312664098	0.9999986525	0
0.3817059147	0.9999986525	33.0045733198
0.428677106	0.9999986525	0
0.8635694455	0.9999986525	5.0241550824
0.8533599441	0.9999986525	302.1226594259
0.1724080244	0.9999986525	2.7278507425
0.2043173453	0.9999986525	9.0925227212
0.4067238921	0.9999986525	0
0.9966758046	0.9999986525	0
0.7314296451	0.9999986525	14859.1673176505
0.902833661	0.9999986525	6.2801440675
0.501040655	0.9999986525	23.4228837264
0	0	12.9668348211
0.1010347696	0.9999986525	78.7461505462
0.4447181956	0.9999986525	12.8126924372
0.3104577465	0.9999986525	0
0.8703533618	0.9999986525	1.6691080913
0.2682969754	0.9999986525	3.9048385964
0.3167171411	0.9999986525	2.4743572455
0.5174007524	0.9999986525	159.588799173
0.3646682211	0.9999986525	0
0.4795035964	0.9999986525	0
0.6066985222	0.9999986525	0
0.7946143621	0.9999986525	0
0.9947482803	0.9999986525	208.7506649261
0.7544151302	0.9999986525	38.4962678409
0.886682218	0.9999986525	0
0.8991061597	0.9999986525	3776.3895261715
0.903213545	0.9999986525	2429.3140402783
0.2986849292	0.9999986525	70.9162152862
0.4039902661	0.9999986525	0
0.5610935777	0.9999986525	8.4058440596
0.4100139465	0.9999986525	0
0.7404566714	0.9999986525	1.497714835
0.323131547	0.9999986525	10.8849790244
0.2284138568	0.9999986525	0
0.1059901196	0.9999986525	58.6170013611
0.2537488535	0.9999986525	191.0735311749
0.0848664561	0.9999986525	640.5595291592
0.9904925043	0.9999986525	45.8056532752
0.845431012	0.9999986525	0
0.799316296	0.9999986525	0
0.9784850512	0.9999986525	0
0.8072060678	0.9999986525	11.9456071262
0.2643306847	0.9999986525	36.8996334549
0.7802326249	0.9999986525	8.300160023
0.3547259916	0.9999986525	5.6642983941
0.2442410612	0.9999986525	0
0.2291891202	0.9999986525	5.29648681

gene_expression_table

0.699919767	0.9999986525	73.7785560415
0.7437324719	0.9999986525	60.5317114342
0.2768046646	0.9999986525	14.9408918358
0.8805302462	0.9999986525	2.2991562503
0.3051287142	0.9999986525	0
0.1441463528	0.9999986525	0
0.3813612433	0.9999986525	7.9948407851
0.2648451707	0.9999986525	7.8293877826
0.6975660089	0.9999986525	0
0.5905859871	0.9999986525	7.1784862858
0.1613771818	0.9999986525	0
0.3169156299	0.9999986525	0
0.9561098809	0.9999986525	0
0.3592483342	0.9999986525	0
0.096251594	0.9999986525	0
0.3892475231	0.9999986525	0
0.2041305215	0.9999986525	1599.7484696232
0.2055455807	0.9999986525	10.9800245793
0.4439859536	0.9999986525	29.5008620172
0.9971737817	0.9999986525	0
0.4702737991	0.9999986525	0
0.7819446782	0.9999986525	0
0.4875908376	0.9999986525	0
0.9366657846	0.9999986525	9.3833025187
0.5608149377	0.9999986525	16.4097653814
0.3173661867	0.9999986525	0
0.8662396268	0.9999986525	0
0.1871085451	0.9999986525	0
0.6293414305	0.9999986525	19.8697961724
0.1630125819	0.9999986525	63.2249619629
0.7802917972	0.9999986525	1016.5832105889
0.8118173344	0.9999986525	6.7858047316
0.3600851404	0.9999986525	0
0.6746313533	0.9999986525	4.9998975884
0.13298944	0.9999986525	14.9455728974
0.5322845677	0.9999986525	0
0.9456331844	0.9999986525	18.9510676432
0.1290853595	0.9999986525	21.4052627234
0.4808168953	0.9999986525	6.6401975893
0.3516879619	0.9999986525	0
0.5381117045	0.9999986525	0
0.563377122	0.9999986525	11.4186083404
0.8276278821	0.9999986525	0
0.4998964157	0.9999986525	0
0.2316534873	0.9999986525	0
0.7023096136	0.9999986525	0
0.0454427573	0.9999986525	13.9867368184
0.4325439363	0.9999986525	0
0.4649652624	0.9999986525	0

gene_expression_table

0.2391723802	0.9999986525	24.5149795175
0.917339065	0.9999986525	4.4993966797
0.3805439208	0.9999986525	1.8364309686
0.6390992849	0.9999986525	0
0.30755387	0.9999986525	0
0.7813731813	0.9999986525	0
0.0836350046	0.9999986525	0
0.4335068084	0.9999986525	0
0.4949849787	0.9999986525	0
0.94594699	0.9999986525	2.1752921548
0.1985702588	0.9999986525	0
0.3598625107	0.9999986525	0
0.045214126	0.9999986525	8.5373074522
0.3326812887	0.9999986525	1.4761975075
0	0	0
0.4622310623	0.9999986525	0
0.5074256589	0.9999986525	0
0.9502872723	0.9999986525	0
0.0930987177	0.9999986525	0
0.3168056145	0.9999986525	0
0.5517796838	0.9999986525	0
0.3587667714	0.9999986525	2.0090504499
0	0	0
0.2888534548	0.9999986525	0
0.2473221411	0.9999986525	0
0.9461643111	0.9999986525	92.4681576023
0	0	0
0.7492469962	0.9999986525	19.7582933881
0.3655586219	0.9999986525	159.4554356628
0.3278972033	0.9999986525	6.096492927
0.5264646667	0.9999986525	48.5719664865
0.4321310659	0.9999986525	5.8617001361
0.6796177136	0.9999986525	12.8657535265
0.8883478774	0.9999986525	0
0.4649376221	0.9999986525	79.3526026599
0.5596412406	0.9999986525	126.2484101027
0.3180714877	0.9999986525	1884.349359929
0.8762240207	0.9999986525	0
0.5645881146	0.9999986525	14.3555091672
0.4067710027	0.9999986525	0
0.6312664098	0.9999986525	0
0.4197357611	0.9999986525	40.546916491
0.3691169911	0.9999986525	0
0.9797342492	0.9999986525	0
0.098567488	0.9999986525	27.5646754835
0.7002249329	0.9999986525	0
0.2347849216	0.9999986525	65.2739994558
0.1040946921	0.9999986525	0
0.8293905383	0.9999986525	2.515427616

gene_expression_table		
0.4040131527	0.9999986525	0
0	0	0
0.4729816619	0.9999986525	0
0	0	0
0.2124370634	0.9999986525	0
0.5903653017	0.9999986525	30.4789463448
0.1568491502	0.9999986525	0
0.9983017887	0.9999986525	6.336250867
0.1394177859	0.9999986525	0
0.5059351725	0.9999986525	0
0.0268268334	0.9999986525	20.5235433522
0.6545694301	0.9999986525	8.7505456427
0.253182159	0.9999986525	17.8104490421
0.5882395221	0.9999986525	22.1947185918
0.5256674283	0.9999986525	0
0.0881275085	0.9999986525	13.1019395253
0.915195775	0.9999986525	7.1885011877
0.2727512939	0.9999986525	0
0.1533830043	0.9999986525	60.2211154234
0.0647580151	0.9999986525	157.2060420692
0.2722337886	0.9999986525	23.2634812141
0.1092865828	0.9999986525	0
0.4959705634	0.9999986525	4.196076608
0.0928799777	0.9999986525	60.2898609889
0.3460645961	0.9999986525	0
0.306173459	0.9999986525	0
0.2922211834	0.9999986525	0
0.6657229538	0.9999986525	566.4151125994
0.4096690927	0.9999986525	292.3421547851
0.6125167865	0.9999986525	0
0.4582824204	0.9999986525	6.4754681494
0.0883644951	0.9999986525	0
0.152478145	0.9999986525	0
0.1109235432	0.9999986525	14.0164326503
0.1333540305	0.9999986525	19.0137711123
0.0402503546	0.9999986525	31.3714987979
0.2417435997	0.9999986525	21.3260319912
0.7957961175	0.9999986525	41.3146687559
0.1953435797	0.9999986525	0
0.7731811087	0.9999986525	34.890281954
0.5571138466	0.9999986525	108.0039227532
0.2314890139	0.9999986525	0
0.2349821127	0.9999986525	68.9977157841
0.7679819458	0.9999986525	5.1342942912
0.8622086297	0.9999986525	0
0	0	0
0.6901399381	0.9999986525	6.2113925761
0.8503814968	0.9999986525	13.2412170251
0.9834261369	0.9999986525	1.0772414838

gene_expression_table

0.2578572073	0.9999986525	2.512794663
0.2472058034	0.9999986525	0
0.6312664098	0.9999986525	0
0.2646135424	0.9999986525	0
0.4644371866	0.9999986525	5.4218168798
0.6312664098	0.9999986525	0
0.9397428938	0.9999986525	0
0.9001283816	0.9999986525	2.3947546126
0.1724303348	0.9999986525	5.5702070586
0.7790770734	0.9999986525	0
0.2434893933	0.9999986525	3.8697185101
0.701678641	0.9999986525	8.3250186359
0.5203455673	0.9999986525	8.5491693023
0	0	0
0.3005511944	0.9999986525	0
0.7748054025	0.9999986525	0
0.8639546271	0.9999986525	11.9147055707
0.2162378755	0.9999986525	7.7919619691
0.7074557758	0.9999986525	2.6840432091
0.7343379307	0.9999986525	0
0.9697949201	0.9999986525	8.2226246655
0.6681817172	0.9999986525	10.0607521147
0.6921052483	0.9999986525	19.4168817008
0.4621797932	0.9999986525	0
0.5428454848	0.9999986525	0
0.0752862081	0.9999986525	0
0.8377068837	0.9999986525	0
0.7016306228	0.9999986525	0
0.4690494067	0.9999986525	0
0.0950225685	0.9999986525	6.6245115367
0.9321623829	0.9999986525	3.4494101121
0.6921175728	0.9999986525	5.3629080246
0.30755387	0.9999986525	0
0	0	0
0.2331921222	0.9999986525	0
0	0	0
0	0	0
0.251850022	0.9999986525	1.7274127764
0.2264981304	0.9999986525	2.1637510796
0.439530779	0.9999986525	3.1182569656
0.7020636051	0.9999986525	0
0.0438861689	0.9999986525	15.7794796015
0.8413564238	0.9999986525	6.2192555613
0.1732763365	0.9999986525	0
0.9365111787	0.9999986525	1142.339260999
0.6312664098	0.9999986525	0
0.2056444102	0.9999986525	25.9987782939
0.7760108466	0.9999986525	0
0.1805670284	0.9999986525	0

gene_expression_table

0.9115870334	0.9999986525	8.0829382042
0.662165823	0.9999986525	3.8609487701
0.3697413002	0.9999986525	19.2288350056
0.3333453972	0.9999986525	1.8739636741
0.9335868974	0.9999986525	160.6314144869
0.3662389309	0.9999986525	312.2774174505
0.2575397265	0.9999986525	226.4609051052
0.6933157423	0.9999986525	0
0.812738303	0.9999986525	7.9555008375
0.5464087198	0.9999986525	363.705852229
0.228718694	0.9999986525	170.0748762118
0.4068182128	0.9999986525	0
0.7191456347	0.9999986525	0
0.6069374758	0.9999986525	87.3421363379
0.8181238558	0.9999986525	28.5006615584
0.8083866179	0.9999986525	31.208135747
0.9725836277	0.9999986525	5.1824925891
0.7654925657	0.9999986525	54.7213480734
0	0	0
0.9000180305	0.9999986525	29.3807063168
0.6721468129	0.9999986525	0
0.7699825588	0.9999986525	12.5282939979
0.2206552562	0.9999986525	0
0.714188618	0.9999986525	0
0.6456711402	0.9999986525	0
0.9615242605	0.9999986525	0
0.3757801255	0.9999986525	227.0064264976
0.5770682031	0.9999986525	33.061649189
0.6184142948	0.9999986525	0
0.8186235975	0.9999986525	4.5049616775
0.1610088112	0.9999986525	0
0.5891053347	0.9999986525	0
0.7443861865	0.9999986525	0.9402513482
0.6487477962	0.9999986525	20.7660833149
0.7517291279	0.9999986525	3.4007674325
0.4528445948	0.9999986525	6.2723126889
0.3759017477	0.9999986525	5.2432905778
0.1365677284	0.9999986525	4.6828114491
0	0	0
0.7656860021	0.9999986525	567.1523922773
0.4433368805	0.9999986525	0
0.9236896736	0.9999986525	567.6009635376
0.3028255157	0.9999986525	344.005638087
0.5074792853	0.9999986525	0
0	0	0
0.0181517234	0.9999986525	89.0622567054
0.0819089366	0.9999986525	12.1709751635
0.705343426	0.9999986525	2.1189134695
0.8519827601	0.9999986525	0

gene_expression_table

0.5074755901	0.9999986525	332.7609609218
0.146851617	0.9999986525	2.018186336
0.0648117537	0.9999986525	39.5077186014
0.3278644304	0.9999986525	0
0.1624763494	0.9999986525	36.8092544092
0.0843031463	0.9999986525	153.4792586493
0.0655608463	0.9999986525	3.7544549816
0.2885935743	0.9999986525	0.3335033135
0.6604881553	0.9999986525	1.4661980019
0.8937421656	0.9999986525	0
0.3973066378	0.9999986525	0
0.3112668955	0.9999986525	36.9147397961
0.6312664098	0.9999986525	0
0.9729828675	0.9999986525	353.332551514
0.5781043344	0.9999986525	81.8820437617
0.9557875288	0.9999986525	33.1190958777
0.7125801489	0.9999986525	28.8157780604
0.2451833402	0.9999986525	15.4411611616
0.1364407512	0.9999986525	11.9646858911
0.7511080062	0.9999986525	1.3552803055
0	0	0
0.402809171	0.9999986525	61.57860656
0.6104302945	0.9999986525	43.5618626254
0.864001136	0.9999986525	3.0095687171
0.645064082	0.9999986525	29.6008957663
0.1193640649	0.9999986525	135.768427317
0.4019004972	0.9999986525	2.9701192642
0.3443789395	0.9999986525	5.5515959273
0.9606319408	0.9999986525	0.4627847236
0.7023385603	0.9999986525	0
0.6207895416	0.9999986525	45.6472931947
0.5432078722	0.9999986525	8.4014982265
0.2191810371	0.9999986525	18.5768266712
0.8042628244	0.9999986525	2.1689494138
0.567383958	0.9999986525	3.7300599072
0.4808255063	0.9999986525	0.2105127034
0.8197048229	0.9999986525	0
0.3717557442	0.9999986525	13.0670917861
0	0	0
0.6312664098	0.9999986525	0
0.7095567957	0.9999986525	21.5127976482
0.3408948927	0.9999986525	0
0.3712299149	0.9999986525	1.4524081684
0	0	0
0.7022768997	0.9999986525	0
0.5362967926	0.9999986525	0.211638315
0.2381293156	0.9999986525	0
0.0967632691	0.9999986525	2.9917814664
0.3570341241	0.9999986525	1.5814444313

gene_expression_table

0.9299732415	0.9999986525	0
0.4195190152	0.9999986525	0.0256662067
0.7239398937	0.9999986525	0.175255408
0.5327478271	0.9999986525	165.4767528473
0.3380031246	0.9999986525	0
0.4288017186	0.9999986525	0
0.4714794978	0.9999986525	24.3319817782
0.8395777911	0.9999986525	0.7698148591
0.7060221295	0.9999986525	13.4945768574
0.9566434401	0.9999986525	2.344263759
0.4729816619	0.9999986525	0
0.3088959974	0.9999986525	0
0.2674958908	0.9999986525	3.4321496118
0.8153821993	0.9999986525	0
0.8844124697	0.9999986525	0
0.1388816111	0.9999986525	3.0599025624
0.3340536427	0.9999986525	0
0.1859179555	0.9999986525	7.8428746995
0.7534940568	0.9999986525	6.9008386264
0.6312664098	0.9999986525	0
0.9405523047	0.9999986525	0.207011117
0.8326042867	0.9999986525	0.2156990738
0.3841092126	0.9999986525	29.0896734417
0.5719419548	0.9999986525	4.8707846746
0.6199233233	0.9999986525	0
0.0876301711	0.9999986525	0
0.8511499523	0.9999986525	1.3077567106
0.7785339904	0.9999986525	0.8755042475
0.3823834841	0.9999986525	2.4410768518
0.1610131278	0.9999986525	13.0986900363
0.9276453401	0.9999986525	612.4448641848
0.8114954957	0.9999986525	327.061668481
0.7330907536	0.9999986525	18.4052685925
0.2734712856	0.9999986525	0
0.1044723914	0.9999986525	72.8324325422
0.2016806394	0.9999986525	0
0.3482267956	0.9999986525	0
0.9397951664	0.9999986525	478.8251301946
0.0865465269	0.9999986525	139.048841561
0.0749618594	0.9999986525	38.6297017035
0.3758301116	0.9999986525	16.2975739759
0.8759333296	0.9999986525	0
0.089270718	0.9999986525	7.6828226846
0.8597868339	0.9999986525	15.5008320382
0.4750125382	0.9999986525	0
0.2924312378	0.9999986525	14.3023790106
0.0520637275	0.9999986525	4.4549909934
0.2834332815	0.9999986525	22.9800579686
0.1513227232	0.9999986525	0

gene_expression_table		
0.0476537518	0.9999986525	85.6673450548
0	0	0
0.1133016576	0.9999986525	1.7738267692
0.7038794437	0.9999986525	37.0612165793
0.3380204125	0.9999986525	0
0.6312664098	0.9999986525	0
0.0459719346	0.9999986525	0
0.0298753309	0.9999986525	111.1715932353
0.6390718575	0.9999986525	0
0.0723027508	0.9999986525	2.4222123567
0.6016187562	0.9999986525	11.6964927921
0.9405771679	0.9999986525	2.7434376514
0.829247916	0.9999986525	17.3274009929
0.4791249578	0.9999986525	15.4466808799
0.7768390448	0.9999986525	0.9207286872
0.239694873	0.9999986525	10.3992553548
0.4924056499	0.9999986525	0.7437794349
0.8553681698	0.9999986525	26.8428356347
0.5794071102	0.9999986525	0
0.7115754556	0.9999986525	44.8364746909
0.3658031652	0.9999986525	0
0.9093887077	0.9999986525	4.8089158412
0.050188921	0.9999986525	5.8786640946
0.6617963663	0.9999986525	0.9904838256
0.8897946199	0.9999986525	0
0.6964405623	0.9999986525	0
0.198776179	0.9999986525	19.3475293438
0.2963753272	0.9999986525	9.0090268197
0.0468681227	0.9999986525	32.294083199
0.7785485308	0.9999986525	36.7921592697
0.0600356882	0.9999986525	3.4733430815
0.8223645843	0.9999986525	204.1520593145
0.1554937782	0.9999986525	2.5497956948
0.6436277754	0.9999986525	20.5862086246
0.6714728772	0.9999986525	0.3555559027
0.9212599907	0.9999986525	0
0.2697191742	0.9999986525	17.1927302466
0.4317147738	0.9999986525	0
0.032958203	0.9999986525	3.6191268571
0.4645587152	0.9999986525	0
0.3475462471	0.9999986525	1.9053327402
0.8504753171	0.9999986525	2.9880576083
0.2767005188	0.9999986525	3.8277889637
0.919445046	0.9999986525	4.0880357784
0.9407241807	0.9999986525	3.3006635977
0.8591471603	0.9999986525	1.1988722272
0.7232203491	0.9999986525	0
0.3683802373	0.9999986525	160.8273605267
0.8110508418	0.9999986525	1.4459398841

gene_expression_table

0.3362580249	0.9999986525	0
0.6917967916	0.9999986525	1.6929165697
0.5143985178	0.9999986525	23.6894417265
0.6306911256	0.9999986525	10.0809158668
0.9888826259	0.9999986525	10.8542194371
0.3576180332	0.9999986525	16.4714066325
0.2488823208	0.9999986525	12.050897307
0.7029800023	0.9999986525	1704.693116689
0.7420796527	0.9999986525	34.0928515714
0.9288443016	0.9999986525	4.1450779249
0.9975317448	0.9999986525	90.901752541
0.4068655228	0.9999986525	0
0.7598024147	0.9999986525	0
0.4276148406	0.9999986525	12.6919922682
0.7360407371	0.9999986525	0.9502537971
0.1662733083	0.9999986525	7.7364138027
0.5475550853	0.9999986525	286.3591697499
0.6442099163	0.9999986525	3.1345431911
0.2361544983	0.9999986525	9.5137021166
0.8561108932	0.9999986525	21.5694179805
0.4818246561	0.9999986525	3.061924923
0.5727977078	0.9999986525	2.4967578228
0.3628161728	0.9999986525	0
0.8195837144	0.9999986525	4.7595828856
0.4399526551	0.9999986525	0
0.5097402621	0.9999986525	14.3474801024
0.6289901418	0.9999986525	5.7379406323
0.2065689029	0.9999986525	45.2044949155
0.4839319223	0.9999986525	2.0749118989
0.4729816619	0.9999986525	0
0.7029853586	0.9999986525	1.0466077093
0.1229697746	0.9999986525	0
0.6189785852	0.9999986525	0
0.2401162026	0.9999986525	0
0.4591374624	0.9999986525	1.5834358166
0.7019272262	0.9999986525	0
0.364861016	0.9999986525	0.9959628541
0.4879476149	0.9999986525	4.4024438983
0.0833918297	0.9999986525	0
0.6649779672	0.9999986525	11.8465553612
0.4757258152	0.9999986525	2.0474214287
0.8448152728	0.9999986525	31.1311041711
0.1664730065	0.9999986525	7.728919942
0.2030053228	0.9999986525	2.7649094692
0.5500128423	0.9999986525	0.3795248439
0.8436654101	0.9999986525	0.2440636904
0.3893423214	0.9999986525	423.1000066894
0.6240253077	0.9999986525	4.6306334662
0.3401998667	0.9999986525	0

gene_expression_table

0.8181275899	0.9999986525	2.7951759699
0.0157342974	0.9999986525	92.8657359976
0.3757583054	0.9999986525	0
0.3231312478	0.9999986525	0
0.7177880591	0.9999986525	4.961149615
0.1422626236	0.9999986525	0
0.5823971455	0.9999986525	0
0.5489079812	0.9999986525	0
0.3651810057	0.9999986525	8.464673292
0.3957255932	0.9999986525	8.157849587
0.4161869453	0.9999986525	0
0.9982056616	0.9999986525	14.7433394552
0.7037109706	0.9999986525	0
0.3592843379	0.9999986525	175.0177808145
0.6532874235	0.9999986525	0
0.327978604	0.9999986525	40.2041680805
0.481315482	0.9999986525	4.1877402033
0.9738672667	0.9999986525	45.4117955514
0.5123937553	0.9999986525	0
0.1936497492	0.9999986525	15.978624177
0.6967877543	0.9999986525	24.8686551584
0.0924236979	0.9999986525	0
0.6312664098	0.9999986525	0
0.5556744499	0.9999986525	212.729211836
0	0	0
0.6312664098	0.9999986525	0
0.7021977711	0.9999986525	0
0.8320674423	0.9999986525	18.9675967156
0.4389840454	0.9999986525	12.0524687874
0.2359584966	0.9999986525	0
0.5754872768	0.9999986525	6.7326047838
0.2884249667	0.9999986525	2.4506481475
0.1832520882	0.9999986525	48.5980383955
0.8761963252	0.9999986525	0
0.3187446311	0.9999986525	79.1265341641
0.3981417671	0.9999986525	0
0.3105098925	0.9999986525	0
0.4942163814	0.9999986525	11.8718533402
0.993384093	0.9999986525	17.4174023337
0.1353965648	0.9999986525	331.2082669013
0.7732732956	0.9999986525	0
0.2737536094	0.9999986525	7.2902088793
0.6312664098	0.9999986525	0
0.7419409444	0.9999986525	0
0.3153765897	0.9999986525	35.3648843085
0.8719264194	0.9999986525	2.5758489149
0.1973087362	0.9999986525	0
0.6203013843	0.9999986525	0
0.3950044981	0.9999986525	50.0795735125

gene_expression_table

0.9183983949	0.9999986525	0
0.6089117496	0.9999986525	1.4219555682
0.9796309339	0.9999986525	0
0.3664201557	0.9999986525	0.799932118
0.6443073668	0.9999986525	2.5935962042
0.2353031076	0.9999986525	0.9187186248
0.6131581146	0.9999986525	32.2829826484
0.7766093141	0.9999986525	10.4673809447
0.087612906	0.9999986525	42.6210856041
0.9589752513	0.9999986525	11.4287568809
0.6390442957	0.9999986525	0
0.8844155445	0.9999986525	13.7026474271
0.0776354707	0.9999986525	1.9922262628
0.2915732003	0.9999986525	0
0.3815198475	0.9999986525	27.147482097
0.8602445186	0.9999986525	8.9348533626
0.4404756221	0.9999986525	3.032145954
0.8498300124	0.9999986525	7.2671370108
0.6975959857	0.9999986525	0
0.3730215013	0.9999986525	125.2702045216
0.6449809275	0.9999986525	0
0.1384822133	0.9999986525	24.1217756064
0.0810653383	0.9999986525	0
0.655760826	0.9999986525	0
0.895357658	0.9999986525	0
0.7082268383	0.9999986525	14.9039645938
0.0200099068	0.9999986525	13.3649729801
0.6364420291	0.9999986525	17.3160387627
0.4586546533	0.9999986525	2.1017357922
0.029549125	0.9999986525	0.9231212074
0.6312664098	0.9999986525	0
0.5646485149	0.9999986525	0.4891309861
0.6034337394	0.9999986525	0
0.1608163072	0.9999986525	1.2603249786
0	0	0
0.0971865189	0.9999986525	8.8089263992
0.7167044883	0.9999986525	32.5442651081
0.9304354895	0.9999986525	25.3149636363
0.5264910292	0.9999986525	30.4127531741
0.7724669818	0.9999986525	0
0.1345967721	0.9999986525	0
0.795457777	0.9999986525	10.736406679
0.1227265369	0.9999986525	0
0.2801533037	0.9999986525	0
0.4742065335	0.9999986525	1.0789470419
0.5140428017	0.9999986525	44.1796733663
0.8974621748	0.9999986525	161.9516894763
0.4069129332	0.9999986525	0
0.21183497	0.9999986525	0.8363911351

gene_expression_table

0.4268583341	0.9999986525	0.9138462829
0.4853992378	0.9999986525	5.9644971619
0.3343023617	0.9999986525	18.679323133
0.1370343121	0.9999986525	13.8390891512
0.0160627808	0.9999986525	8.8618913071
0.8212267948	0.9999986525	26.5472804527
0.7897379026	0.9999986525	0
0.6805554646	0.9999986525	0
0.7659608046	0.9999986525	1159.3299122849
0.8913092968	0.9999986525	10.8872228873
0.316535021	0.9999986525	0
0.5216070162	0.9999986525	1.3575197555
0.8602737432	0.9999986525	0.74994204
0.8408699115	0.9999986525	28.3241500175
0.7986246881	0.9999986525	30.4754288669
0.3889286207	0.9999986525	0
0.8058866157	0.9999986525	0
0.7408358191	0.9999986525	0
0.6299106176	0.9999986525	0
0.3109693432	0.9999986525	24.5208937056
0.5738104179	0.9999986525	321.6533938323
0.517732681	0.9999986525	0
0.9800280022	0.9999986525	5.1415418834
0.6935441839	0.9999986525	3.6594375947
0.9250558141	0.9999986525	116.3814857345
0.5419540914	0.9999986525	0.906536642
0.9321943251	0.9999986525	2285.2176155615
0.8837430239	0.9999986525	2.8312382452
0.202680113	0.9999986525	12.1856713565
0.250399399	0.9999986525	0
0.323598278	0.9999986525	12.6895526733
0.5487972651	0.9999986525	0
0.5643585806	0.9999986525	29.7041159878
0.2580615793	0.9999986525	80.5792126382
0.6013228833	0.9999986525	6.5748923014
0.321133674	0.9999986525	30.5429888538
0	0	32.480884518
0.6245631847	0.9999986525	3.5083562718
0.4533572296	0.9999986525	218.6385369916
0.0981186247	0.9999986525	33.1100985683
0.958466811	0.9999986525	33.0754859303
0.6074206948	0.9999986525	34.2576766873
0.0820559389	0.9999986525	3.7400976012
0.0698941566	0.9999986525	15.5280248813
0.4729816619	0.9999986525	0
0.4097267777	0.9999986525	189.7051660428
0.7779031413	0.9999986525	0
0.6312664098	0.9999986525	0
0.3522092528	0.9999986525	13.0776075836

gene_expression_table

0.4201349055	0.9999986525	6.6839523927
0.4208895193	0.9999986525	41.7771537818
0.370052762	0.9999986525	1.3737883214
0.8697831655	0.9999986525	0
0.8155900864	0.9999986525	28.1764395147
0.9113642138	0.9999986525	0
0.5084573899	0.9999986525	46.5047709653
0.2144901587	0.9999986525	692.7654429876
0.2887385726	0.9999986525	0.5956568908
0.1651531913	0.9999986525	0
0.4260791745	0.9999986525	44.1487271441
0.6401681062	0.9999986525	47.7428530265
0.7518935766	0.9999986525	10.7745026218
0.4401392407	0.9999986525	0
0.1023814068	0.9999986525	7.9110123167
0.6034971603	0.9999986525	15.2254146178
0.195620317	0.9999986525	0
0.9730288091	0.9999986525	69.6549331824
0.1115546341	0.9999986525	2.5685204857
0.4563419235	0.9999986525	0
0.5731088616	0.9999986525	0
0.181801897	0.9999986525	0
0.2566239572	0.9999986525	18.5655471203
0.5511353587	0.9999986525	0
0.3974086801	0.9999986525	10.3021395155
0.9836291237	0.9999986525	0
0.30755387	0.9999986525	0
0	0	0
0.9242355592	0.9999986525	0
0.7340136382	0.9999986525	0.4808703171
0.2454597485	0.9999986525	7.9622973355
0.578155816	0.9999986525	46.8272361848
0.8338757621	0.9999986525	0
0.471840052	0.9999986525	0
0.8937260037	0.9999986525	0
0.3051619615	0.9999986525	0
0	0	0
0.6712261257	0.9999986525	0
0.571601529	0.9999986525	17.496742828
0.5651089912	0.9999986525	0.5379568956
0.2888948303	0.9999986525	0
0.0424585887	0.9999986525	0.3517972785
0.8062538016	0.9999986525	3.4723154652
0.5979038546	0.9999986525	0
0.9860156034	0.9999986525	0
0.3035092057	0.9999986525	226.8517292942
0.666317411	0.9999986525	5.6313822281
0.7025098937	0.9999986525	1.2722785459
0.6312664098	0.9999986525	0

gene_expression_table

0.0784617367	0.9999986525	0
0.3946965806	0.9999986525	1.6296568201
0.777308523	0.9999986525	3.8796678342
0.6284781141	0.9999986525	8.8400371964
0.5294715737	0.9999986525	142.0378894848
0.4600341569	0.9999986525	0
0.417294995	0.9999986525	1.1153000428
0.9499645417	0.9999986525	0
0.3598380907	0.9999986525	0
0.4408945528	0.9999986525	408.4427617932
0.0361274623	0.9999986525	0
0.1001879289	0.9999986525	16.1691759036
0.9251295645	0.9999986525	6.8971684955
0.4749637718	0.9999986525	0.6441900131
0.8931560988	0.9999986525	0
0.3609663486	0.9999986525	0
0.5423836703	0.9999986525	19.3192202017
0.549206147	0.9999986525	0.5314875539
0.629041537	0.9999986525	4.1739134531
0.6554771082	0.9999986525	0
0.7051410902	0.9999986525	278.0899599455
0.6406390851	0.9999986525	9.1534564649
0.2820550521	0.9999986525	27.3691560039
0.929433859	0.9999986525	8.822169586
0.8770466051	0.9999986525	16.7779443334
0.933238693	0.9999986525	23.337519627
0.4483257582	0.9999986525	33.8663645743
0.3209956418	0.9999986525	47.4876429218
0.4345144813	0.9999986525	14.199834619
0.903917215	0.9999986525	2.0114224103
0.8606410093	0.9999986525	0.8205314684
0.6447423226	0.9999986525	302.3535070205
0.9739379482	0.9999986525	25.0727831377
0.004284	0.9999986525	0
0.0204955243	0.9999986525	1.9325936119
0.9050604523	0.9999986525	0
0.9822431057	0.9999986525	0.8052375164
0.8995997157	0.9999986525	9.0965300235
0.2287885833	0.9999986525	2.4232681744
0.0655664292	0.9999986525	10.0490749346
0.5355509675	0.9999986525	178.5350646864
0.1156858148	0.9999986525	0
0.2083958331	0.9999986525	1.9206038935
0.0171318803	0.9999986525	2.8063649913
0.7675701424	0.9999986525	5.7589530002
0.4729816619	0.9999986525	0
0.496988561	0.9999986525	0
0.9770600384	0.9999986525	0.4412798609
0.6744274773	0.9999986525	6.7753583356

gene_expression_table

0.5601000165	0.9999986525	11.3809959621
0.9176527951	0.9999986525	1.1815194234
0.2709582675	0.9999986525	2.4714542546
0.3421389424	0.9999986525	0
0.1588490018	0.9999986525	0
0.0256471175	0.9999986525	0.7213833555
0.3059712082	0.9999986525	0.1791608061
0.297852298	0.9999986525	88.6996438225
0.1415660023	0.9999986525	52.3622934453
0.3462573323	0.9999986525	3.0745986451
0.6573569274	0.9999986525	1093.9859659042
0.2920432207	0.9999986525	21.0019557794
0.3861366059	0.9999986525	1.3219011896
0.0882190952	0.9999986525	0
0	0	0
0.1180324756	0.9999986525	0
0.5279029032	0.9999986525	13.4964653247
0.7952999852	0.9999986525	1.3581730758
0.6390165939	0.9999986525	0
0.7957266611	0.9999986525	0.6499534597
0.3161762916	0.9999986525	3.8355448398
0.4244914824	0.9999986525	4.4780327477
0.9805504146	0.9999986525	0
0.3499833314	0.9999986525	1.5132783324
0.6950671589	0.9999986525	174.702528484
0.5044586494	0.9999986525	0
0.4413704832	0.9999986525	0
0.009201	0.9999986525	1.2911517859
0.8972018608	0.9999986525	11.0327800765
0.5437202059	0.9999986525	5.6388979528
0.3167797566	0.9999986525	37.3233093388
0.7852305967	0.9999986525	8.7396852931
0.9544606777	0.9999986525	0
0.4252616642	0.9999986525	5.332764117
0.4872207477	0.9999986525	2.2304116823
0.005661	0.9999986525	361.5976404384
0.8384786812	0.9999986525	0
0.3331961438	0.9999986525	0
0.3174961243	0.9999986525	36.1451984905
0.0355339823	0.9999986525	70.889524823
0.5276695171	0.9999986525	2454.649094989
0.4874382814	0.9999986525	43.5100246269
0.860664349	0.9999986525	6.9018066045
0.7754852852	0.9999986525	2.802453529
0.8524016873	0.9999986525	19.8714575266
0.2001815163	0.9999986525	8.6339575325
0.0928986953	0.9999986525	0
0.1613561661	0.9999986525	54.0730477672
0.3645632248	0.9999986525	30.2542972463

gene_expression_table

0.9124291693	0.9999986525	6.8168981254
0.3773048325	0.9999986525	0
0.5324086245	0.9999986525	0
0.6312664098	0.9999986525	0
0.295950504	0.9999986525	47.6416257266
0.289893718	0.9999986525	776.6131985648
0.4419744863	0.9999986525	39.0908560415
0.0757049438	0.9999986525	892.0230801182
0.7435518353	0.9999986525	22.6590162127
0.5622876487	0.9999986525	0
0.1487321015	0.9999986525	1.7374599709
0.6796806758	0.9999986525	2.2019561487
0.2631856998	0.9999986525	0
0.0714329891	0.9999986525	26.1338602733
0.0330668892	0.9999986525	1.1419966317
0.3526823939	0.9999986525	0
0.7801426633	0.9999986525	0
0.0172348188	0.9999986525	10.4636406501
0.1157990125	0.9999986525	9.2927715354
0.3348103152	0.9999986525	0
0.0706916098	0.9999986525	6.7496700468
0.4437743144	0.9999986525	2.1704290492
0.5433675177	0.9999986525	2.3586276327
0.4294870321	0.9999986525	7.9719121851
0.1236352393	0.9999986525	67.4595621402
0.9293717861	0.9999986525	0
0.7019929104	0.9999986525	51.5492434536
0.3890761795	0.9999986525	0
0.6586859319	0.9999986525	28.5295582467
0.0816915423	0.9999986525	4.9055073239
0.2572171488	0.9999986525	0
0.8791669576	0.9999986525	0
0	0	0
0.3327047294	0.9999986525	31.6707880442
0.9336489641	0.9999986525	3.1066706146
0.6409168282	0.9999986525	13.032107345
0.3869771002	0.9999986525	0.4458545042
0.585262784	0.9999986525	24.1674427515
0.0127296413	0.9999986525	5.0191416704
0.004838	0.9999986525	11.5486537176
0.2397372358	0.9999986525	0
0.1760355844	0.9999986525	0
0.4458802453	0.9999986525	0
0.4881999538	0.9999986525	0
0.6076308211	0.9999986525	5.5159419312
0.2719904771	0.9999986525	7.3108967644
0.075129713	0.9999986525	192.6929214703
0.9207874573	0.9999986525	1.8821110519
0.769183151	0.9999986525	1.0458615832

gene_expression_table

0.8532902577	0.9999986525	25.2879665915
0.8827902622	0.9999986525	50.3195083142
0.267734218	0.9999986525	12.6284347595
0.4182299828	0.9999986525	5.1108182631
0.0214826181	0.9999986525	58.3966366943
0.5483163032	0.9999986525	0
0.0415446508	0.9999986525	0
0.4818203994	0.9999986525	0
0.7450573095	0.9999986525	3.1753922786
0.7821522534	0.9999986525	0
0.2882025207	0.9999986525	2.3834788218
0.9621627967	0.9999986525	29.9271388164
0.0236080922	0.9999986525	1.0497280614
0.7532140833	0.9999986525	0
0.9774441896	0.9999986525	5.0066913569
0.4318177909	0.9999986525	19.4168817008
0.9700572785	0.9999986525	41.6221772361
0.492588368	0.9999986525	6.533545893
0	0	0
0.2947647505	0.9999986525	5.8946298106
0.6581934196	0.9999986525	54.0019613766
0.5501864517	0.9999986525	0
0.8469342302	0.9999986525	7.3613378251
0.5393409987	0.9999986525	0
0.6233202677	0.9999986525	2.8949179565
0.7441851091	0.9999986525	0
0.5110903411	0.9999986525	5.9411376891
0.3519800592	0.9999986525	3.2792473519
0.6969165379	0.9999986525	4.3619027276
0.8831874997	0.9999986525	0
0.591109925	0.9999986525	6.2989943618
0.6435949706	0.9999986525	112.6576753974
0.6713135635	0.9999986525	0
0.1607505652	0.9999986525	19.4921270442
0.0727427402	0.9999986525	9.3031386694
0.0725400875	0.9999986525	0
0.1598720753	0.9999986525	0
0.8710635386	0.9999986525	16.993806476
0.0683058689	0.9999986525	117.993561721
0.1889254188	0.9999986525	0
0.6536428846	0.9999986525	748.2186754094
0.3509446465	0.9999986525	10.412838767
0.9035529349	0.9999986525	11.4482218309
0.2917459785	0.9999986525	0
0.2323865587	0.9999986525	5.8669093786
0.1804439167	0.9999986525	18.9410346299
0.3278332901	0.9999986525	0
0.7789350385	0.9999986525	2.1324309858
0.6389887457	0.9999986525	0

gene_expression_table

0.675370173	0.9999986525	4.3756353129
0.5084935008	0.9999986525	64.4268596844
0.7700002773	0.9999986525	0
0.30755387	0.9999986525	0
0.8465841633	0.9999986525	0.3836185616
0.2253995089	0.9999986525	0
0.6718933093	0.9999986525	0
0.3082099888	0.9999986525	57.1579201583
0.2883806156	0.9999986525	0
0.9747920884	0.9999986525	0
0.4729816619	0.9999986525	0
0.8749809911	0.9999986525	345.6731440712
0.4729816619	0.9999986525	0
0.3195082205	0.9999986525	8.8785270617
0.1378567246	0.9999986525	32.7223780832
0.7880597118	0.9999986525	3.5915619331
0.2294112342	0.9999986525	6062.6628023101
0.6772917921	0.9999986525	0
0.5146203386	0.9999986525	355.6702905127
0.485798293	0.9999986525	3.469681734
0.6312664098	0.9999986525	0
0.003547	0.9999986525	0
0.6635231276	0.9999986525	1.7973210036
0.5851103549	0.9999986525	33.7756884841
0.3501917558	0.9999986525	5.0257487369
0.5214268782	0.9999986525	105.5393196039
0.9024701352	0.9999986525	87.4991138101
0.4629538902	0.9999986525	0
0.6819161543	0.9999986525	7.058796876
0.1300087482	0.9999986525	0
0.6312664098	0.9999986525	0
0.9577839761	0.9999986525	0
0.2172987356	0.9999986525	0
0.2116184009	0.9999986525	1.9563246431
0.0214945266	0.9999986525	0.6425089961
0.7154144043	0.9999986525	0
0.4729816619	0.9999986525	0
0.5760025899	0.9999986525	16.8207905683
0.6034558956	0.9999986525	7.8726866254
0.0317531074	0.9999986525	54.0220476557
0.2405181231	0.9999986525	0
0.1579224669	0.9999986525	16.7932330379
0.6312664098	0.9999986525	0
0.6312664098	0.9999986525	0
0.1256800788	0.9999986525	0
0.7927157918	0.9999986525	12.4933128067
0.5561950675	0.9999986525	0
0.2663422736	0.9999986525	13.6611273219
0.1738540259	0.9999986525	0

gene_expression_table

0.7267663584	0.9999986525	12.7048155464
0.3573184973	0.9999986525	193.2323633758
0.9884622939	0.9999986525	0.8225442036
0.3298052387	0.9999986525	0.5544419063
0.8524141587	0.9999986525	0
0.9769302757	0.9999986525	0
0.4226774946	0.9999986525	24.3629108895
0.3474474659	0.9999986525	0
0.3122461567	0.9999986525	26.0149997831
0.5485753706	0.9999986525	0
0.8101925268	0.9999986525	4.5837457235
0.1953131844	0.9999986525	3.981448792
0.7846082949	0.9999986525	3.8897093754
0.9501130441	0.9999986525	4.4970979416
0.2122215339	0.9999986525	1.4647747456
0.8485560651	0.9999986525	346.8894464782
0.3179933875	0.9999986525	8.5017475061
0.3277158479	0.9999986525	0.3575659307
0.4729816619	0.9999986525	0
0.5188849004	0.9999986525	0
0.9450887686	0.9999986525	0
0.9892647244	0.9999986525	3.019922705
0.6534658777	0.9999986525	57.130440389
0.9327170056	0.9999986525	0
0.9298763483	0.9999986525	0
0.6876845709	0.9999986525	0
0.4764296226	0.9999986525	123.1093664949
0.3380377238	0.9999986525	0
0	0	0
0.2077382531	0.9999986525	5.2137863924
0.6950080455	0.9999986525	0
0.0722783654	0.9999986525	0
0.0320953349	0.9999986525	3.3342120092
0.5347243412	0.9999986525	0.2467444309
0.4792923021	0.9999986525	9.4058625514
0.6404227668	0.9999986525	2.435616963
0.1655086081	0.9999986525	2.263874072
0.3932523009	0.9999986525	18.9365070729
0.3987800878	0.9999986525	3.3805956021
0.2625403402	0.9999986525	7.7877107844
0.3244008868	0.9999986525	4.8267152464
0.6178429727	0.9999986525	7.7439762795
0.980493454	0.9999986525	13.7242381485
0.1826834251	0.9999986525	3.131755113
0.2861836753	0.9999986525	0.8628597279
0.586104864	0.9999986525	21.4098906382
0.8639907769	0.9999986525	2.3019287328
0.2037504091	0.9999986525	1.0349987894
0.719235589	0.9999986525	0

gene_expression_table

0.6215914123	0.9999986525	76.5360724811
0.3051142537	0.9999986525	0
0.2874182982	0.9999986525	0
0.8532943777	0.9999986525	0.3865328666
0.5758194186	0.9999986525	42.7418105663
0.3660428592	0.9999986525	26.2429407336
0.9085329269	0.9999986525	0
0	0	0
0.052285652	0.9999986525	0
0.928730095	0.9999986525	5.4823188069
0.2814192894	0.9999986525	3.2520885607
0.4181784865	0.9999986525	12.0506354334
0.8147693217	0.9999986525	14.4366063489
0.6917600049	0.9999986525	0
0.2628495573	0.9999986525	0
0.1374983584	0.9999986525	15.770841057
0.5648319154	0.9999986525	0
0.0009321	0.9999986525	1.0921105104
0.5979684136	0.9999986525	0
0.3479274819	0.9999986525	0
0.84457313	0.9999986525	21.7603768291
0.1805238717	0.9999986525	45.8025975278
0.6674620142	0.9999986525	39.7775041873
0.2563134896	0.9999986525	192.5103379121
0.9069535734	0.9999986525	5.8904660078
0.4468935717	0.9999986525	217.0859821399
0.2884442098	0.9999986525	1.9650959304
0.2912968014	0.9999986525	147.2559650278
0.7655217882	0.9999986525	114.1249583517
0.1547557771	0.9999986525	0
0.1818529048	0.9999986525	0
0.8505381394	0.9999986525	94.3155218076
0.8694162916	0.9999986525	1.6020723845
0.4042130361	0.9999986525	0
0.849481668	0.9999986525	88.1346316356
0.6746282237	0.9999986525	0
0.0296483841	0.9999986525	22.0643030949
0.513016383	0.9999986525	48.4028089078
0.1223171191	0.9999986525	70.8220285858
0.8847815443	0.9999986525	490.7655017456
0.5328123702	0.9999986525	133.1070467759
0.4644442936	0.9999986525	4.6462495141
0.0701406488	0.9999986525	0
0.3580190034	0.9999986525	22.6669176937
0.2074994238	0.9999986525	28.4404513874
0.2696706086	0.9999986525	0
0.3553972791	0.9999986525	0
0.8761199904	0.9999986525	52.8020377678
0.7707673247	0.9999986525	2.9089762456

gene_expression_table

0.3967504887	0.9999986525	4.9730619799
0.5892276919	0.9999986525	10.173440108
0.621162919	0.9999986525	0
0.4259809504	0.9999986525	0
0.5618628611	0.9999986525	0
0.627237929	0.9999986525	0
0.2036093187	0.9999986525	1.8534451036
0.6286553138	0.9999986525	11.5676246389
0.2238019175	0.9999986525	0.4897796408
0.3421695043	0.9999986525	0
0.7644337651	0.9999986525	0
0.4892951692	0.9999986525	221.3743243124
0.8809790223	0.9999986525	0.863918313
0.7076676636	0.9999986525	0
0.2206911466	0.9999986525	6.1418674528
0.4936046642	0.9999986525	1070.5523964793
0.8556233593	0.9999986525	13.3066057511
0.256238212	0.9999986525	17.237941383
0.0809490095	0.9999986525	74.364852473
0.772194576	0.9999986525	16.8745345474
0.1645030822	0.9999986525	177.6855084681
0.1569804634	0.9999986525	532.5936014754
0	0	0
0.0691421432	0.9999986525	25.4377797063
0.4577141762	0.9999986525	92.2715321709
0.8428134588	0.9999986525	2.9738403799
0.0701715794	0.9999986525	0
0.4063802868	0.9999986525	4.9179549517
0.6363306601	0.9999986525	0
0.4544433321	0.9999986525	14.4761767637
0	0	0
0.8854470878	0.9999986525	747.3667673534
0.7536968353	0.9999986525	13.3368480369
0.3796699848	0.9999986525	8.4787154
0.622758909	0.9999986525	0
0.8619987965	0.9999986525	64.4250735225
0.2324015399	0.9999986525	868.9999976794
0.7169806506	0.9999986525	392.9815865896
0.5977898212	0.9999986525	0.4438703889
0.318950863	0.9999986525	0
0.9844287684	0.9999986525	0
0.462317856	0.9999986525	0
0.2525246613	0.9999986525	1.4519689401
0.6897556792	0.9999986525	14.2011073478
0.6078956193	0.9999986525	2.6566357257
0.4301998799	0.9999986525	0.932947385
0.8501158083	0.9999986525	2.1223193983
0.4459084304	0.9999986525	43.9113072646
0.7312169421	0.9999986525	3.4865735108

gene_expression_table

0.7765041403	0.9999986525	36.5595446673
0.4158959081	0.9999986525	1.2076169165
0.1046897603	0.9999986525	0
0.0150929685	0.9999986525	8.0821960374
0.0859044975	0.9999986525	48.7340506293
0.9197000912	0.9999986525	6.3039888752
0.9219309964	0.9999986525	0
0.33805506	0.9999986525	0
0.9289541236	0.9999986525	28.6584376186
0.9655678901	0.9999986525	29.3802393337
0.7009610094	0.9999986525	0
0.1569457107	0.9999986525	95.4739057685
0	0	0
0.4565923288	0.9999986525	24.4094522691
0.8189829247	0.9999986525	0
0.5982427311	0.9999986525	66.5007597869
0.5160146056	0.9999986525	188.1655299126
0.1630711635	0.9999986525	5.7418915228
0.7811539533	0.9999986525	0.5283822381
0.6683434185	0.9999986525	1.6737099739
0.3812925443	0.9999986525	4.268941255
0.3616864129	0.9999986525	66.734796849
0.3050665215	0.9999986525	0
0.6556011434	0.9999986525	10.8793734115
0.7586108598	0.9999986525	3.6718405274
0.4772016051	0.9999986525	0
0.7396471468	0.9999986525	8.4252880635
0.4665817687	0.9999986525	0
0.6581225394	0.9999986525	206.958813725
0.3049228424	0.9999986525	0
0.1942097912	0.9999986525	28.1374098169
0.164722381	0.9999986525	0.426210856
0.5756138461	0.9999986525	1.8290851175
0.5219719501	0.9999986525	45.9691167432
0.6253396915	0.9999986525	0
0.1788949714	0.9999986525	25.3571721847
0.8977349665	0.9999986525	10.0406688643
0	0	0
0.005155	0.9999986525	1.7351025256
0.7938438707	0.9999986525	1.4477003454
0.7303597501	0.9999986525	1.0581194924
0.0907356776	0.9999986525	5.5696196389
0.1898658211	0.9999986525	0
0.8218879874	0.9999986525	76.5484363413
0.0213716838	0.9999986525	23.1752932246
0.3246334594	0.9999986525	0.1861874012
0.3099938696	0.9999986525	5.1335457063
0.8573542223	0.9999986525	0.3106280811
0.4868490141	0.9999986525	8.2862692683

gene_expression_table

0.5639218851	0.9999986525	19.0114896423
0.5602036278	0.9999986525	2.2917734097
0.1695458958	0.9999986525	0
0.4333265875	0.9999986525	0
0.4762289856	0.9999986525	15.2976135881
0.3502257966	0.9999986525	39.1794645596
0.9867457878	0.9999986525	1.6123433333
0.5521228414	0.9999986525	1.517445107
0.0393343822	0.9999986525	0
0.1105863416	0.9999986525	1.8263126584
0	0	0
0.3757221111	0.9999986525	1.699599398
0.2356264452	0.9999986525	0
0	0	0
0.364533022	0.9999986525	8.1111796086
0.3680177405	0.9999986525	12.5677603458
0.3318240821	0.9999986525	2.4071977314
0.1919262358	0.9999986525	0
0.0502528642	0.9999986525	1.4843848516
0.8870196233	0.9999986525	1.9616654246
0.3140103676	0.9999986525	0.1278530422
0	0	0
0.9599118054	0.9999986525	1.226861137
0.9003803373	0.9999986525	0
0.0532020695	0.9999986525	7.2886997276
0.0316420892	0.9999986525	0
0.5297563987	0.9999986525	118.5364565735
0.3294034513	0.9999986525	870.8835034523
0.6557359006	0.9999986525	49.7512323621
0.9601217925	0.9999986525	0
0.5630535714	0.9999986525	0
0.2253655523	0.9999986525	46.223252769
0.0769035624	0.9999986525	9.5228846423
0.1021934222	0.9999986525	9.6789059536
0.7425869806	0.9999986525	16.9737805645
0.0218216626	0.9999986525	41.7359931795
0.8784687825	0.9999986525	23.7152753598
0.8087219693	0.9999986525	0
0.2730684958	0.9999986525	0.5189333054
0.2756510666	0.9999986525	10.5374936605
0.9580414944	0.9999986525	0
0.2806583717	0.9999986525	21.5831296389
0.8462839515	0.9999986525	15.9414181184
0.5953710819	0.9999986525	73.5569891731
0.4936309138	0.9999986525	0
0.6253426382	0.9999986525	0
0.8611736583	0.9999986525	0
0.554184888	0.9999986525	16.1559859976
0.399265911	0.9999986525	26.132567158

gene_expression_table

0.0828788341	0.9999986525	0
0.244789775	0.9999986525	0
0.149596095	0.9999986525	26.0584276434
0.3681709418	0.9999986525	3.9083784671
0.7471794011	0.9999986525	7.5073089163
0.8972226588	0.9999986525	0.9960567721
0.1381458467	0.9999986525	0
0.5796808462	0.9999986525	0.9381135782
0.2468341571	0.9999986525	0
0.6613855294	0.9999986525	264.2898326588
0.4729816619	0.9999986525	0
0.2651687448	0.9999986525	4.1703978385
0.4060978096	0.9999986525	4.934760169
0.2122760006	0.9999986525	0
0.5526315036	0.9999986525	0
0.7793466465	0.9999986525	0
0.4889071867	0.9999986525	10.8864748302
0.4715723117	0.9999986525	12.6306279514
0.4622262422	0.9999986525	8.3151882589
0.9298459429	0.9999986525	0
0.3363266888	0.9999986525	0
0.4729816619	0.9999986525	0
0.4007967059	0.9999986525	7.2485522581
0.675350827	0.9999986525	0
0.4325016936	0.9999986525	0
0.3152948914	0.9999986525	4.256140724
0.7731699712	0.9999986525	0
0.9918811508	0.9999986525	0
0.5467984646	0.9999986525	0
0.3123682331	0.9999986525	0
0.6546998827	0.9999986525	0
0.4834708274	0.9999986525	0
0.2768789399	0.9999986525	1.8535101504
0.645645764	0.9999986525	0
0.9211552442	0.9999986525	3.2393624938
0.217384768	0.9999986525	0
0.7794280057	0.9999986525	4.5131684883
0.3164943708	0.9999986525	0
0.6593074429	0.9999986525	0.079305536
0.2099251058	0.9999986525	35.8030121016
0.708154095	0.9999986525	6.0032870959
0.6312664098	0.9999986525	0
0.4779416008	0.9999986525	16.066047585
0.6312664098	0.9999986525	0
0.8431543161	0.9999986525	16558.8192458728
0.4729816619	0.9999986525	0
0.53206264	0.9999986525	0
0.7433245737	0.9999986525	4.2924185815
0.3489018326	0.9999986525	2.5507808851

gene_expression_table

0.4099966453	0.9999986525	11.7919795986
0.8897589434	0.9999986525	6.0970207771
0.8255178344	0.9999986525	0.3145501762
0.9183636222	0.9999986525	2.260676236
0.0859608274	0.9999986525	0
0.0982187657	0.9999986525	2.7011337796
0.071459762	0.9999986525	0
0.4890952033	0.9999986525	3.279552796
0.7006237045	0.9999986525	0
0.212827036	0.9999986525	2.9127999757
0.4070557708	0.9999986525	0
0.2201016585	0.9999986525	3.7891355246
0.6058130744	0.9999986525	0
0.9046353916	0.9999986525	4.2811971406
0.098549886	0.9999986525	5.8688652324
0.3771806075	0.9999986525	43.3953246407
0.7143551275	0.9999986525	0
0	0	0
0.2508195129	0.9999986525	9.802820023
0.6052257928	0.9999986525	8.1828478177
0.9067639374	0.9999986525	125.0543052482
0.4491723987	0.9999986525	0.21331717
0.5717198832	0.9999986525	0
0.8733335049	0.9999986525	3.0110557712
0.6312664098	0.9999986525	0
0.1806574216	0.9999986525	0.4561693447
0.7296640048	0.9999986525	0
0.1487549146	0.9999986525	0
0.3731516743	0.9999986525	2.8682951299
0.7789895887	0.9999986525	0
0.533374596	0.9999986525	74.1143954902
0.6153804157	0.9999986525	0
0.6055651011	0.9999986525	4.7787022164
0.8989632508	0.9999986525	0
0.8890028715	0.9999986525	0
0.2559000487	0.9999986525	109.7052135565
0.5232764432	0.9999986525	5.3889920302
0.7674900611	0.9999986525	1.1509810885
0.0367723354	0.9999986525	38.5362409532
0.2501562072	0.9999986525	64.2351166117
0.7844019026	0.9999986525	0.482611981
0.3212903801	0.9999986525	9.5418099777
0.0895818102	0.9999986525	5.0017916684
0.7017268607	0.9999986525	223.9337693875
0.2204325084	0.9999986525	240.7294544655
0.5588423763	0.9999986525	0
0.12599896	0.9999986525	2.4298460227
0.3582306959	0.9999986525	117.3003254408
0.6693494727	0.9999986525	8.6371666095

gene_expression_table

0.6881748527	0.9999986525	2.4783631265
0.9604255438	0.9999986525	0
0.8067252101	0.9999986525	13.9371852527
0.4294959808	0.9999986525	0
0.5795137305	0.9999986525	0
0.367225485	0.9999986525	0
0.6345882983	0.9999986525	1.3522093894
0.9517287663	0.9999986525	0
0.617611013	0.9999986525	0.0951434558
0.2964708694	0.9999986525	0
0.640428486	0.9999986525	4.5563608952
0.7192958924	0.9999986525	3.1582549395
0.8082947955	0.9999986525	0
0.2696701629	0.9999986525	0
0.101033881	0.9999986525	0
0.7082925104	0.9999986525	0
0.2013352109	0.9999986525	51.7682005747
0.3101866407	0.9999986525	8.3735254233
0	0	0
0.3346275799	0.9999986525	86.3980901108
0.4534852542	0.9999986525	10.177072594
0.4058838746	0.9999986525	3.0500068276
0.4105821661	0.9999986525	0
0.8876295118	0.9999986525	1.746954162
0.6878660093	0.9999986525	108.862611185
0.6912769194	0.9999986525	0.3877749801
0.3561831065	0.9999986525	0
0.8196252951	0.9999986525	17.6605645298
0.7194435866	0.9999986525	0
0.7001342106	0.9999986525	0
0.0397669085	0.9999986525	0
0.5306832024	0.9999986525	0.2205745046
0.5839494033	0.9999986525	1.9239342183
0.7677319425	0.9999986525	0
0.1574215211	0.9999986525	4.2574702319
0.3430127398	0.9999986525	0.3302479848
0.0302612956	0.9999986525	6.9725946566
0.8337417369	0.9999986525	0.3545343481
0.9299426082	0.9999986525	0
0.5259885728	0.9999986525	493.7528248203
0.3529620677	0.9999986525	10.1516421386
0.0490533814	0.9999986525	54.2705395067
0.2382114967	0.9999986525	17.4346515561
0.1478612031	0.9999986525	17.1318016823
0.6389607448	0.9999986525	0
0.934424874	0.9999986525	4.0645892789
0.2373639939	0.9999986525	53.682600304
0.6312664098	0.9999986525	0
0.7309770198	0.9999986525	856.5687692781

gene_expression_table

0.428289909	0.9999986525	8.6679662279
0.3040181261	0.9999986525	66.5206792376
0.4618817275	0.9999986525	71.4764084806
0.8172614054	0.9999986525	0
0.4966246612	0.9999986525	3.6242180975
0.2823109493	0.9999986525	35.740277222
0.3657615078	0.9999986525	13.358212181
0.4246448625	0.9999986525	327.186065946
0.2649998145	0.9999986525	4.6079412142
0.0879310326	0.9999986525	224.806051455
0.020323613	0.9999986525	34.2813957071
0.5113101983	0.9999986525	130.7445532638
0.2044129258	0.9999986525	19.6144686275
0.6193428295	0.9999986525	11.1865454178
0	0	0
0.3482251511	0.9999986525	56.2209050738
0.9166583912	0.9999986525	19.990128019
0.1209012722	0.9999986525	66.175316151
0.4049047083	0.9999986525	203.9832274064
0.7851682968	0.9999986525	33.4053878724
0.4602780669	0.9999986525	0
0.1325715181	0.9999986525	40.7043685752
0.7459206913	0.9999986525	3.5704379547
0.71474718	0.9999986525	18.274712189
0.2297175428	0.9999986525	5.9365939031
0.7759232551	0.9999986525	9.4623162638
0.2920697948	0.9999986525	0
0.9480906463	0.9999986525	450.3013734277
0.297789068	0.9999986525	0
0.3468347588	0.9999986525	0
0.6389325845	0.9999986525	0
0.9604571037	0.9999986525	17.5345014032
0.2617485486	0.9999986525	0
0.4746097439	0.9999986525	3.338005197
0.30755387	0.9999986525	0
0	0	0
0	0	5.5331501547
0.9680841511	0.9999986525	0
0.3108141438	0.9999986525	0.5980480036
0.7680452988	0.9999986525	3.1893425663
0.1030281555	0.9999986525	143.627594244
0.0121322217	0.9999986525	41.0364554983
0.546547849	0.9999986525	28.0229491827
0.6662413254	0.9999986525	0
0.5593711871	0.9999986525	0
0.9767467887	0.9999986525	2.1490912808
0.0662108659	0.9999986525	0.5526376074
0.6524388646	0.9999986525	30.4402986895
0.4834157868	0.9999986525	0

gene_expression_table

0.477029788	0.9999986525	643.4526747675
0.0684174569	0.9999986525	3.0738729131
0.5906447342	0.9999986525	9.4095492849
0.5308519205	0.9999986525	0.9188385015
0.2685694701	0.9999986525	0
0.2430232666	0.9999986525	75.7887305421
0.5734504714	0.9999986525	3.1242828206
0.6153767416	0.9999986525	19.9421435167
0.9277432054	0.9999986525	18.8240174265
0.4248939637	0.9999986525	0
0.0131479141	0.9999986525	62.9486510445
0.2802921113	0.9999986525	0
0.1756919731	0.9999986525	0
0.1718566512	0.9999986525	2.9188636137
0.9391828831	0.9999986525	0
0.7705219059	0.9999986525	0
0.2295707982	0.9999986525	9.8680714175
0.1528427059	0.9999986525	0
0.00273	0.9999986525	61.8068089249
0.5609715237	0.9999986525	111.7163791144
0.391842174	0.9999986525	0.1437755032
0.1276311481	0.9999986525	18.7217008955
0.3944115248	0.9999986525	0
0.3731238664	0.9999986525	308.2524410096
0.0662580932	0.9999986525	0.3496244396
0.4933868237	0.9999986525	5.1206048309
0.4729816619	0.9999986525	0
0.2117929662	0.9999986525	0
0.1032421579	0.9999986525	30.8922806273
0.8953418243	0.9999986525	70.1663257451
0.2622540445	0.9999986525	2.8721948133
0.0902254532	0.9999986525	2.8532640857
0.0478135455	0.9999986525	3.3779721024
0.3254080984	0.9999986525	4.0107775081
0.7663602533	0.9999986525	22.0747829577
0.1256851781	0.9999986525	0.1247358758
0.692369315	0.9999986525	14.4581233738
0.338072421	0.9999986525	0
0.1157853793	0.9999986525	0
0.1854794537	0.9999986525	0
0.6411913928	0.9999986525	43.054824641
0.7000881567	0.9999986525	4.8417600134
0.8449979192	0.9999986525	0
0.8226633074	0.9999986525	70.7661809802
0.115594451	0.9999986525	14.3010880656
0.3281788989	0.9999986525	0
0.4531150242	0.9999986525	212.3549219128
0.4165742598	0.9999986525	4.4197596742
0.3473313164	0.9999986525	0

gene_expression_table

0.2720197809	0.9999986525	43.9046512944
0.3220518827	0.9999986525	179.2094905604
0.7564336002	0.9999986525	12.890875818
0.9868706507	0.9999986525	16.407426543
0.683991682	0.9999986525	14.7951960668
0.9891334423	0.9999986525	0
0.3476271597	0.9999986525	40.5481138014
0.404155981	0.9999986525	0
0.0111163023	0.9999986525	0.2180465135
0.0329234885	0.9999986525	0
0.0302192194	0.9999986525	48.1028457688
0.0747965103	0.9999986525	3.2090509197
0.3888787229	0.9999986525	6.1497343067
0.8531388119	0.9999986525	3379.0094834491
0.2479206962	0.9999986525	9.516021302
0.9133977633	0.9999986525	1.300899508
0.2675025074	0.9999986525	0
0.8284331923	0.9999986525	33.3726695689
0.7289603778	0.9999986525	2.0476661876
0.238268051	0.9999986525	0
0.4141207025	0.9999986525	0
0.1694150976	0.9999986525	157.0090471239
0.7526790586	0.9999986525	0
0.2942995921	0.9999986525	3.1906969987
0.1976722731	0.9999986525	4.5789106186
0.1946206224	0.9999986525	544.1055584876
0.4273980459	0.9999986525	0.3779441694
0.1021718059	0.9999986525	2045.8311589453
0.3707717982	0.9999986525	452.1779485372
0.6825244968	0.9999986525	26.5797273409
0.4534639726	0.9999986525	0.9393482895
0.3330470276	0.9999986525	0
0	0	0
0.3995414934	0.9999986525	0.3765725119
0.0145775071	0.9999986525	0.598512253
0.1306359404	0.9999986525	3.8213990282
0.6699214067	0.9999986525	0.5903239021
0.8280995194	0.9999986525	0
0.6732013639	0.9999986525	0.8500732602
0.1748386618	0.9999986525	0
0.892698194	0.9999986525	0.1251631805
0.9547380368	0.9999986525	0.5189503022
0.9006590623	0.9999986525	0
0.6312664098	0.9999986525	0
0	0	0
0.4835003922	0.9999986525	2.4956959752
0.7930890357	0.9999986525	5.1073997382
0.8752800465	0.9999986525	0
0.0127103771	0.9999986525	0

gene_expression_table

0.3511554883	0.9999986525	2.3328217596
0.716860987	0.9999986525	3.7864415796
0.004821	0.9999986525	0
0.9293947617	0.9999986525	0
0.6783082938	0.9999986525	95.6196467586
0.464578041	0.9999986525	3.8317232087
0.5061069607	0.9999986525	1314.0784971788
0.002257	0.9999986525	0
0.2453425579	0.9999986525	5.1661858776
0.5898225476	0.9999986525	228.5555715519
0.5054697833	0.9999986525	0
0	0	0
0.013208043	0.9999986525	21.1594223663
0.7902360292	0.9999986525	0.8922324975
0.7109554629	0.9999986525	0
0.218327334	0.9999986525	0
0.4370584874	0.9999986525	1.6645839078
0.6929029977	0.9999986525	3392.3297601282
0.5700469523	0.9999986525	45.8613392031
0.6235630001	0.9999986525	72.051730186
0.8790239337	0.9999986525	275.3114764186
0	0	0
0.4557412286	0.9999986525	1.827028686
0.3254064616	0.9999986525	6.8008341995
0.639508878	0.9999986525	0
0.006657	0.9999986525	3.5830685274
0	0	0
0.2266164324	0.9999986525	3.7099498254
0.4271576648	0.9999986525	0
0.6395347551	0.9999986525	0
0.4922782583	0.9999986525	100.4733214056
0.2334958428	0.9999986525	18.9477315074
0.4729816619	0.9999986525	0
0.0593590474	0.9999986525	106.4796738434
0.1717816017	0.9999986525	1.6059696596
0.4981819087	0.9999986525	0
0.8961337284	0.9999986525	29.6108534572
0.3868696651	0.9999986525	0
0.7125511734	0.9999986525	8.6040442839
0.338089807	0.9999986525	0
0.4447474069	0.9999986525	0.5802898292
0.2934404282	0.9999986525	419.1580811612
0.2097628806	0.9999986525	2.146488418
0.6389042565	0.9999986525	0
0.5976790054	0.9999986525	0
0.620638912	0.9999986525	0
0	0	0
0.4729816619	0.9999986525	0
0.6388757535	0.9999986525	0

gene_expression_table

0	0	0
0.9294176909	0.9999986525	0
0.4639141655	0.9999986525	0.5079970974
0.119757679	0.9999986525	1.9406790985
0.6627894132	0.9999986525	1.5630043867
0.9221649463	0.9999986525	3.279552796
0	0	0
0.028818051	0.9999986525	102.7758077865
0.8831943229	0.9999986525	0
0.6844724942	0.9999986525	2.8711538612
0.0788323282	0.9999986525	1638.870335351
0.7846104881	0.9999986525	17.4201152253
0.0616633728	0.9999986525	63.6120665177
0.721786791	0.9999986525	17.4803348057
0.897760468	0.9999986525	7.4819774169
0.003698	0.9999986525	132.8652030851
0.4878607087	0.9999986525	2939.7972325351
0.7288758512	0.9999986525	11.0679236821
0.3752256748	0.9999986525	244.3203618796
0.4730638327	0.9999986525	787.4624245344
0.5490586203	0.9999986525	11.2832170542
0.8398629181	0.9999986525	77.1146825717
0.948343335	0.9999986525	0
0.4636341448	0.9999986525	57.5523990842
0.985160795	0.9999986525	41.4497723163
0.8097997561	0.9999986525	0.8719052751
0.3612302784	0.9999986525	156.4784392613
0.5119216196	0.9999986525	23.7060189927
0.3939079226	0.9999986525	73.3908886244
0.0585748987	0.9999986525	35.3901618671
0	0	0
0.6312664098	0.9999986525	0
0.8259977367	0.9999986525	9.1681141728
0.1630330245	0.9999986525	6.8250152781
0.2621480477	0.9999986525	4.831776441
0.8620355816	0.9999986525	0
0.638847067	0.9999986525	0
0.4071035853	0.9999986525	0
0.4386155464	0.9999986525	2.648420471
0.6879206002	0.9999986525	5.4458566948
0.8690696804	0.9999986525	6.9101031305
0.6952887953	0.9999986525	1.2993312723
0.1898975429	0.9999986525	8.9356092084
0.453529012	0.9999986525	0
0.287921091	0.9999986525	2.3065868116
0.8775850171	0.9999986525	1.4227887453
0.6829147061	0.9999986525	2.8918533771
0.881847807	0.9999986525	0
0.5624127294	0.9999986525	1.5777594021

gene_expression_table

0.5472064358	0.9999986525	13.9289454663
0.2360083669	0.9999986525	0.1879579136
0.0198533561	0.9999986525	3.0049453729
0.0430852301	0.9999986525	3.2092069166
0.0426871268	0.9999986525	2.1875095565
0.1880796127	0.9999986525	0
0.6395605865	0.9999986525	0
0.3593891183	0.9999986525	0
0.3166671984	0.9999986525	0.4695593105
0.5222832035	0.9999986525	0.9519280155
0.008497	0.9999986525	11.7294754722
0.1725068002	0.9999986525	0
0.0758134545	0.9999986525	5.7267414132
0.3675249032	0.9999986525	0
0.7846016999	0.9999986525	3.8106654805
0.5685342499	0.9999986525	1.8110837312
0.5805637142	0.9999986525	2.7342057479
0.6634450278	0.9999986525	1.7062616944
0.8246729596	0.9999986525	48.8031838449
0.6664757558	0.9999986525	2.1802011019
0.9033330835	0.9999986525	0
0.2126323087	0.9999986525	9.766112979
0.2425554386	0.9999986525	41.1136567445
0.6312664098	0.9999986525	0
0.8614510808	0.9999986525	5.9131938415
0.9661122463	0.9999986525	104.834738863
0.8580059721	0.9999986525	0.7663891238
0.668381481	0.9999986525	9.436593603
0.731739938	0.9999986525	1.9011299545
0.5035032699	0.9999986525	22.3432758229
0.4352992079	0.9999986525	61.0399490004
0.4519447773	0.9999986525	32.144807198
0.341247858	0.9999986525	0
0.6351355523	0.9999986525	11.9498641234
0.002927	0.9999986525	10.7790839294
0.4071515035	0.9999986525	0
0.7392941778	0.9999986525	0
0.6588373372	0.9999986525	0
0.8115682595	0.9999986525	5.1270671028
0.5151405373	0.9999986525	10.7636249131
0.138676319	0.9999986525	51.4354482142
0.8357119069	0.9999986525	408.1637708357
0.5482185887	0.9999986525	15.3931559972
0.4707332219	0.9999986525	20.632048686
0.9732347254	0.9999986525	1.4018292827
0.850274252	0.9999986525	0
0.1737345907	0.9999986525	20.2662771398
0	0	0
0.1114423472	0.9999986525	30.9478532117

gene_expression_table

0.6529422942	0.9999986525	0
0.3163251725	0.9999986525	0
0.7671868155	0.9999986525	13.7973400687
0.4163357932	0.9999986525	3.2374859839
0.4029920991	0.9999986525	61.0131464447
0	0	0
0.4071995245	0.9999986525	0
0.3757751813	0.9999986525	6.3654234333
0.5072771216	0.9999986525	111.0496734505
0.9736941237	0.9999986525	2.6546327332
0.3702267844	0.9999986525	0
0	0	0
0.1824378713	0.9999986525	30.1518144704
0.5982483306	0.9999986525	925.2784198247
0.1525941222	0.9999986525	0
0.1414112935	0.9999986525	106.2710560021
0.4229130698	0.9999986525	198.2504437925
0.0790345996	0.9999986525	11.0976924199
0.1884970355	0.9999986525	69.6122161316
0.1935406499	0.9999986525	9.9125221896
0.8174387995	0.9999986525	702.2380361971
0.3656450521	0.9999986525	2.086626912
0.6312664098	0.9999986525	0
0.569428475	0.9999986525	0
0.6447750495	0.9999986525	0
0.3784361918	0.9999986525	224.5248917319
0.1102271766	0.9999986525	2263.1237368511
0.2621816205	0.9999986525	0
0.8011796603	0.9999986525	4101.5721289204
0.2922810747	0.9999986525	0
0.4763443132	0.9999986525	10.234263778
0.9906633513	0.9999986525	107.1547922421
0.394970741	0.9999986525	32.2281728307
0.5923482056	0.9999986525	40.4456411597
0.4128647692	0.9999986525	0
0.5511949577	0.9999986525	1312.3673434342
0.2967126046	0.9999986525	214.5453685564
0.2471355973	0.9999986525	46.8070176304
0.6743566875	0.9999986525	20.9350582604
0.1545254146	0.9999986525	13.0428889859
0.4688151847	0.9999986525	20.8412006856
0	0	0
0.4072476489	0.9999986525	0
0.3164003348	0.9999986525	0
0.0483826203	0.9999986525	233.1896309163
0.2939517545	0.9999986525	17.7069462091
0.7250205797	0.9999986525	0.5650481258
0.737724677	0.9999986525	279.274538212
0.3852930458	0.9999986525	29.8007371829

gene_expression_table

0.5166134243	0.9999986525	10.9447556163
0.8832774416	0.9999986525	13.3551559708
0.1737966975	0.9999986525	25.8921975663
0.3306093013	0.9999986525	0
0.337031408	0.9999986525	0
0.6312664098	0.9999986525	0
0.3941207814	0.9999986525	1.704293275
0.1191413927	0.9999986525	5.9161054182
0.4509617304	0.9999986525	0
0.1575894525	0.9999986525	1.9541892336
0.3524254763	0.9999986525	11.2609633745
0.7441417219	0.9999986525	0
0.9399775168	0.9999986525	0
0.7902325318	0.9999986525	0.9381135782
0.6459339676	0.9999986525	1.1452654934
0.7238275977	0.9999986525	334.7671213678
0.6312664098	0.9999986525	0
0.9807198019	0.9999986525	2.0851989192
0.2110850052	0.9999986525	2.8198629537
0.5767755496	0.9999986525	14.4986964384
0.8045619057	0.9999986525	0
0.9278209976	0.9999986525	3.6288249434
0.6614172283	0.9999986525	4.2102093171
0.4027195567	0.9999986525	0.0711600453
0	0	0
0.4827414207	0.9999986525	0.4226787266
0.2027879779	0.9999986525	5.9161054182
0.918482814	0.9999986525	0

gene_expression_table

LZ2_U937_0H_R1_001 trimmed (GE) - TPM	C3_U937_0H_R1_001 trimmed (GE) - TPM
0	0
3.2235207617	2.5522065813
1.2667179986	0
0	0
23.1941041125	13.9914795717
15.584893617	4.7006713346
0	0
13.9551008204	0
298.8652457825	1450.480989121
7.6964601101	12.0956346724
1.6822388917	4.5665290361
1.6893484522	2.2929141626
0	0
127.9998483991	97.5333489219
292.5324893784	198.5238412535
0	0
92.1800780412	104.5925888808
0	3.4098584873
3.7550013918	4.2471481931
32.7761249532	38.1311036554
28.9507369001	27.2036599993
28.1865402709	12.752316294
0	0
30.5165293418	34.2781158284
0	0
452.4710761326	478.9431231644
38.5413915966	43.5927938767
312.3748093944	265.596172633
0	0
6.5729689792	5.2478476653
38.1820100491	22.2519293346
2.6133007178	0
22.8450168986	18.6837177307
13.9684613765	31.5984572603
1.8919870204	3.4239344987
0	0
15.4116155684	6.9726115529
0.4657342838	1.6856814177
2.6308538805	5.3561970423
30.3356274426	30.568468799
24.4139206188	13.97592114
19.9895911164	15.2185417033
0	0
0	0
0	7.7113524786
0	0
0	0
18.4996507706	0

gene_expression_table

8.7764404809	9.8099339836
3.0426156409	4.0486989056
0	0.1872627334
78.4689265437	70.068477691
0	0
0	0
2.4185088807	1.4589275548
5.9212897353	6.6973597014
37.0933675621	47.5489835884
0.0394755853	0
0	0
105.0257086744	113.0118209159
28.6656429603	30.0336466319
0	0.6313873259
0	0
49.2756023903	63.2326167996
1.9321594333	2.6224759748
16.5051738625	16.801572311
49.6749574854	28.3885001918
1.462763969	0.5090708221
10.5845446546	14.3055445775
0	0
673.5410294398	717.9628316455
0	0
56.2218294174	41.9474219739
2.1408742344	0.9685866063
4.2814178192	3.9759958476
22.3773894291	18.2630948633
0	0
3.1410243074	2.842160483
39.5459475118	43.3735866722
39.5165042965	29.3714659699
58.6695803273	67.5655990521
0.8615455149	1.3642487799
0.3112520392	0.2682255879
24.4028910303	25.9776376296
3.3542015322	5.4197396601
0.6506544235	0
0.5345322553	0
171.0375403295	148.6177251654
1.9965867818	3.6132289958
1.9091170971	1.4767060242
730.5915251434	733.3136915145
0	0
0	0
6.717932697	3.7407577363
0.5659228854	0
8.3779829937	5.7758706925
0.5710319986	0.6889321962

gene_expression_table

3.0322254051	6.0971414125
8.4060252973	9.1274452844
11.4357083536	10.3476175911
19.4091028946	21.686847976
6.5689327376	6.4968302079
7.9949388184	5.7448314499
23.2729049432	14.8648393451
1.897735016	1.2265488083
0	0
1.1809270044	1.2466574678
1.7074580051	1.5449958974
43.3905067888	64.4141599234
18.3609349162	24.9208786094
0	0
25.5405827707	5.7776085091
20.6245621513	23.0532632887
0.7491060647	1.1862020255
0.8203062388	1.2370921859
118.141419368	106.9004377778
0	0
480.8147973992	471.321477747
12.2686534151	7.5330312158
2.3378355971	1.1846206357
14.3793451955	11.5098826882
0.249705761	0
0	2.949142286
2.8435115782	12.8647782531
31.1879451492	24.4068827886
0.4152925512	0
28.8085844165	28.7641270639
7.8772276914	0
1.9690218235	2.1380067656
211.1410221995	229.6474810348
11.4219065723	12.9189112862
15.3187948634	12.6731283692
7.9739541969	6.1844950547
39.3439763804	61.8323694331
1.2416674283	0.7958299293
0.2891869085	0.7850136036
10.5725057303	19.1330948454
2.3121204243	2.3013381384
0.0119135385	0.140139778
0.2143610759	0.3879298721
0	0
29.9663764549	35.5078952215
1.3501811871	0
0	0.8592707266
0.9535985561	0.8628650617
1.3061044916	1.575774104

gene_expression_table

0.9743811073	2.3511204903
0	0
0	0.3027943909
18.8827324086	0
6.3001526712	6.4442723327
0	0
0	0
0	0
1274.5961369222	858.8554656458
2.3636045081	1.853549559
1.2774391117	1.5411902222
3.9315704413	6.2256028095
1.4874154254	0
0	0
1.5190496818	0.7497350988
16.8785013875	10.6059284066
18.0318960701	12.9169819982
0	0
5.131421918	4.6431747002
0	0
8.8900525486	6.7034809807
0.7431521227	0.6724422957
5.6083251615	2.5373506522
18.5210473031	13.4070376022
1.1075518879	1.503254942
0.4150208479	0.3755322271
0	0
139.268734574	138.019188726
0.6569176057	0.5944128656
3.0501438115	1.1039708528
0	0
10.6972053516	10.9419101539
1.9493139418	1.0079083422
5.4781596956	5.8316716357
17.8839577652	16.9178858478
58.0325185849	63.3218592861
0.9691814739	1.7539305757
100.4718470181	103.499928256
2.1491787157	5.1858334257
19.0733995485	16.719262693
76.8482270678	63.9090222406
0	0
0.9581072963	0
0.7407812905	0.6702970447
1.4013181919	0.8453232235
0	0
3.0651382159	0.9244982803
4.5048422718	13.2476928417
0	0

gene_expression_table

15.1782136882	17.1675363373
25.8345425547	8.7661589929
5.3571879627	5.7288157008
20.2000026413	13.8912816871
102.9570459843	129.6150749194
0.2618271823	0.4738294251
35.8827560269	23.6932770016
1.0617271521	0.8183786583
2.1607319089	2.0580436406
1.2126549398	2.194545226
0	0
8.0345542631	7.019385935
1.1211909558	0
0	0
0	0
60.4345479722	53.3744866252
1.4259243459	0.7741498501
0	0
19.0844446145	17.2685878919
0	0
0	0.062647809
3.4062922165	2.8767093061
1.8666911346	2.1113477871
50.3823034124	37.329715114
1.4006007399	2.5346712956
1.3018991151	0.8835190026
0	0
12.5525507008	15.4884464159
15.6461747	7.0787321412
1541.5791763942	1448.8780021759
20.292152862	16.9489702921
62.2303678405	44.2429744725
165.831009686	194.5124144464
25.2229199327	40.5742157306
3.7120106622	3.9186213842
48.8569319883	32.3060413116
5.4539723967	3.3928365468
145.9345173373	116.6945212485
82.7130717887	84.3974764487
0	0
0	0
0	0
0	0.2923282355
0	0
3.9152174716	1.549927011
0	0.7615711245
0	0
33.257812872	32.7101968369
3.8295661606	4.9312299245

gene_expression_table

27.5586031648	25.1375431151
56.9534806587	43.804274917
5.4702460443	4.812266872
28.4962068511	20.2986997758
0.429466713	0
4.4179146393	2.6650377236
8.7251793301	7.0490994657
0	0.1558768678
10.5098217322	10.9728781321
0	8.1011493094
14.3008626846	6.7097108911
0	0
671.8936415299	620.7631948731
1.1398185913	1.7189442258
1.8076017974	3.2712223114
8.0853742908	3.6580314335
531.1388094202	441.3689412712
0	0
0	0
3.267064783	2.9562083934
615.6826213153	733.028064595
0.4054595906	0.3668807093
207.3088105171	365.0277081112
0	0
1.1215931768	3.7212092217
3482.0317785502	2433.2305401269
19.9810830156	19.5379699307
8.1357200229	7.2082512295
5.5895251059	1.2644225116
9.5553790027	5.9158202325
0	10.0394185881
9.2871151545	10.8044483941
10.2294075876	7.9337953386
23.2663747969	24.0073663781
0	0
2.0182677974	0
3.1085667216	1.64079486
1.5747924021	1.2468340768
9.2108951438	8.3344920728
4.8873822654	3.3167662951
3.4038551772	4.1066445115
0	0
4.6010904786	0
15.4451416859	12.2862059453
1.4603827231	0.5663269129
8.7767288578	10.2106749444
37.9393672231	283.218312778
1.5799938173	3.2167344124
3.1303030424	3.0899556333

gene_expression_table

27.18384571	16.3982286226
25.7683820342	25.1818832194
44.5086410351	46.5132983739
0	0
11.8274933821	12.2309998317
3.575752817	4.9090727428
5.3030934646	12.984208813
40.0899191457	36.2754225408
948.5347820918	786.2135251626
6.9657394525	3.43797798
18.8502040152	15.1614532798
3.0118013052	2.6242983083
63.1794171743	52.4039898515
9.1441469123	10.8597494736
5.4378449625	6.9465064159
3.7349751449	2.2530651836
36.9647071106	27.8729748465
0	0
1.5031224342	1.9834828917
84.1098664643	61.1573599908
15.6982709837	13.4367872664
3.0473725461	4.4808067663
0.9694605356	0.4386088986
2.3706325303	0
106.3792501058	114.9885954748
4.4570707106	4.0329870144
0	0
2.3513389054	2.4822145609
1.0605860393	0.5758037063
36.4543137329	17.9065443621
6.9708828991	6.3076136853
0	0
0	0
13.2843919555	11.1618015585
0	0
0	0
0	3.6056515062
84.8922567285	79.292783343
65.2442219863	50.7275137113
5.204651608	6.8500897358
15.7555422055	7.8988304173
22.7271676062	16.309943342
69.9623156415	73.8564220607
0.8306323887	0
9.5578499232	0
0	0
77.1652598653	73.7753502473
0	0.3779620213
34.4320588296	38.4679980891

gene_expression_table

242.0581983865	334.0157453524
14.9795255726	0
0	0
4.4021093959	3.9832551876
1.9655498184	0.5928435519
7.2481575351	6.5585060492
7.0736648537	3.3885614588
26.1733701255	33.5027983249
0.8807230416	0.7969235448
33.4102643929	32.0822246497
5.1967532262	2.5078879098
0	1.2911330507
2.132737598	1.929810765
4.0071567997	4.0287574974
120.8620011687	139.8924299707
0	0
0.7263794637	0.6572655304
3.6135959513	1.4862580149
0	0
2.0378124551	3.564907378
0	0
0	0
46.273574081	55.8276157875
0	0
34.3564942883	17.2708469955
3.5038563659	3.4586941167
2.5744283711	0.9317901253
300.8080107306	298.9332301558
11.1390476561	9.8207431127
3.7596883021	5.2092505031
3.2465638424	1.4688290435
11.303204903	8.6128182301
30.694855186	28.7104968984
8.2367658493	29.8121989688
12.0795697627	9.3306726544
2.6125727934	2.8893215391
3.1715926091	3.0905756602
1.1923229017	0.7192500923
80.4018148823	124.7172015904
0.4710725141	0
82.366249415	60.3009163181
18.7615773779	17.5069547772
27.9378718615	17.9403787558
0	0
0	6.2126284439
14.492704739	7.9822797386
112.4784199936	110.4999442395
1.343467579	0.8104257485
23.5350628769	25.8591084845

gene_expression_table

10.1366775644	5.3504428036
0.183355914	0.1659098696
48.8308226121	42.8457134064
27.5837780235	21.2418913007
2.9332645572	6.6354219156
0	0
10.5022011401	15.3856997695
6.7753589244	3.6784161168
121.3100259089	112.0543801705
0	0
24.344853395	28.8064693283
69.4500090811	75.4103319308
317.5586969038	359.1793198011
2.623167549	4.4834232797
4.3906283201	2.9032486102
32.14251048	34.6619894849
36.6793822387	31.680784403
83.1033511338	56.6695924595
0	0
45.8743208825	48.2242104788
54.9354738009	31.5224282787
3.8598036793	0
0.2604204892	0
25.5931389557	30.283524833
288.5830202324	345.0012139357
1.4844514612	2.0639539048
0	0
91.8872512741	98.7853247617
0	0
0	0
21.5329933222	14.7447703396
0	0
0	0
4.8082863094	4.0400146127
4.426595239	4.0054112389
12.7664234234	15.9946851976
78.8167646336	74.1539559894
59.5127760867	63.9804633578
3.1178080579	4.8125555021
10.9016621976	9.1336899428
4.2494489159	1.5380480507
9.1149270498	5.853174659
2.6212824125	0
0	0.6903281449
18.6145163406	3.3686745199
0.8673716133	0.7848424852
0.6128130728	1.6635144416
3.4636666947	1.4845755428
0	0

gene_expression_table

169.5204249545	194.2950220168
15.7886820176	11.1116539638
3.7181595076	1.6821910606
3.0543439192	1.8424850705
0.6735634508	1.8284246494
0	0.1745097281
1.9228890357	1.7399289836
0	0
0	0
14.5549547815	15.4942027385
0.218700512	0.0989457406
79.139289299	82.0378420304
368.6578682239	280.3301327394
9.1407591711	10.1797285346
12.018169611	7.7676132286
0	0
11.2915220337	7.66286279
1.5695547647	0.9468092978
0	13.4142273768
17.6969520803	12.8886033262
79.9264813334	55.0273002879
0	0
0	0
0	0
0	0
106.446645126	111.8536304921
15.5943329497	22.576888317
76.5947155191	42.4783866933
0.4533678638	0.2051152905
84.2891928646	108.956000908
0.7191826247	0.65075346
11.0608550771	8.1020632312
0.4566140384	0.2360959354
9.6272239576	7.4667495556
51.6005584713	31.1272276884
770.8407271271	1004.6838908439
34.1287904275	36.3960375631
0	4.9988017582
0	0
1.4395873569	1.0131432467
6.0356003479	1.8204406293
0.7608669166	0.9835307902
5.1444859829	4.9760299275
4.09794717	3.090027957
10.0332447888	11.9318695063
52.5084039582	39.5151859051
7057.7735126835	8495.5290917456
0	0
7.5845041974	22.8761660776

gene_expression_table

18.8380347421	0
0	0
0	0
1.8210658103	1.4539359597
6.6258210299	7.4942299292
416.6230841624	291.1346238569
0	0
0	0
3.7461634477	4.5196287036
61.3027643183	37.9530872985
0.0989424787	0.4476412398
9.2150505598	38.1177239184
367.9510217963	423.1357513896
20.4395560374	36.3045337258
78.9690696917	73.7237008922
11.055307568	7.335835011
16.3095505197	25.2989500671
1.0331073045	0.467404335
0.5856332926	0.3179466898
1.2839969997	1.5491021084
0	0
1.3840371138	2.5046960525
4.2656830449	4.288677336
15.1937159291	8.9891137316
662.7310770097	536.4969207896
7.5941204677	7.400131975
2.2352248863	3.3709108986
0	0
3.2269802748	3.981733455
3.1797009715	1.4385785598
5.243663928	3.9539475406
0	0
10.6336685885	4.8109453627
0	0
11.5097364738	8.5767310959
18.1391835098	14.068514559
0	0
6.2417360033	0
0	0
0	0.1236323707
0.0194035434	0
0	0.0847504731
0.4778998625	0.6104871477
66.2849677788	77.7493253437
9.8117403549	8.1679143294
0	0
2.0326323013	2.1590964854
2.8782911635	2.9874298347
9.1039516283	7.5022129968

gene_expression_table

0	0
30.361375741	27.4725356747
189.2578266335	46.7046065213
19.0128751838	20.2622865313
0.211793896	0.5749260587
0	3.696957559
15.0030839845	8.3849063728
49.0276703759	50.4517662064
1.4568877002	2.4337236682
0	0
3.6399312868	7.6850601333
16.6307194976	13.2163603542
0.560455504	0
0	0.8434869146
3.6361076553	3.7146712371
0	0
4.9265770413	6.6867307665
64.6860845933	42.3847338802
49.7996685988	70.9715532837
9.8643526758	10.9263786221
0	0.1133501513
18.5636844215	13.3656550259
6.5106831277	3.1188712461
0.863317036	0.7811736949
11.7908985839	11.2024625954
28.3981753591	27.4888842293
39.6041433557	32.3995515287
2.9842113364	1.3501340173
2.1039812399	1.9037905319
62.801260196	58.3898262313
5.4310528295	5.6163384834
0.168455022	0
4.0666317073	1.8398488528
15.2228954172	18.6939091835
5.7171073306	5.1731330107
0	0
0	0.3646714392
113.6273182438	125.9757302686
0	0
1.9581867595	1.1517143177
0.6879020207	0.4668368694
0	0
0	0
0.0116475027	0
4.1950197522	2.5971740858
3.8603994199	2.3287254106
122.9375929633	170.8332603263
0.3754469939	0.0849309417
0	0

gene_expression_table

0.4918018301	0.2396194835
8.219380483	8.329796796
0.034619209	0.0313252424
0.5257678525	0.4757418178
85.6522333788	76.6508734857
0.2497837797	0
0.719031992	0.1626542899
1.8501475374	2.7901812189
3.7027023742	2.7122250995
1.1747228589	1.9133094845
14.1608744812	10.2507905488
0	0
0	0.0593965584
0.165318942	0.5983563552
2.4262431922	2.4205579133
0.718509697	0
5.1613336309	2.8021442147
0	0
13.1273014594	16.1204931506
0.1754606926	0.1360850287
0	0
0.2605297699	0
4.8080222215	3.3147017198
0.7948674994	0.2397456769
0	0
313.9657196356	268.9251972687
13.8425596848	37.5763817173
0.9924159285	0.6984359033
0	0
3.1621278517	4.0057584787
0	0.0225557887
2.8759744221	3.4697729371
46.2836598209	42.1647347939
1.8242132918	1.3755350758
1.0286278841	1.8615109198
1.8990053244	0.8591588861
0	0
61.605889271	52.0767996265
0.0331626518	0.0150036372
0	5.0335851466
0	0
0	0
0	0
2.6121778042	0.4727265887
6.9611130617	6.2987734335
13.3537254895	13.4257091433
22.9583916723	16.322377192
0	0
0.1306891466	0.2128576811

gene_expression_table

28.5165196293	33.2912066719
0	0.0474780281
3.7098945588	4.1149140536
4.3386771673	8.6782133977
1.4602177715	1.0570241655
0	0
27.1711010697	26.0758600743
1.5038583666	0.6803842319
0	0
0	0.8503597709
0	0
0	0.0384565776
0.5453411792	0.1644842571
0.2782609789	0.2517848577
30.5327150942	25.5555044158
128.9904598844	110.321744652
2.0346728828	1.0520438644
1.366110291	8.0348249421
1.8605416983	1.1223426021
0.2059549965	0
2.3183530146	0.8990422067
51.0351819818	42.1046192123
13.1099451054	18.9800851014
0	0
7.4155313381	4.0259726892
0	0
0.5892354068	0
0	0
8.0284624507	7.2645661043
21.8935074414	15.7467063772
1.6431338796	2.2301881761
15.6913020126	7.7445260716
1.4387482159	0.607531609
7.7948257578	6.717294855
4.8473648361	3.2318964854
2.1606898049	5.8653100822
0	0
0	1.0110925514
0	0
4.1949562702	0.948953094
0.9696323458	0.87737326
1.1252768184	2.1636928305
1.769732979	3.202690999
3.9689056306	7.1825402417
4.22813255	3.0853483723
0.5945297735	0.7172815247
8.7712263483	5.8202152169
0.323275235	0.7605417919
0	0

gene_expression_table

0.4347325142	0
14.0694868927	0
0	0
3.5703247986	2.6921780553
0.1635455034	0
125.5036064061	98.2932666377
0.102852274	0.1395990481
1043.2009446579	994.6771243224
0.3398463727	0.3075104922
9.7489654095	5.2928194484
13.2002591902	11.5176928063
2.7934529833	1.9955210977
17.5024686993	17.4208481138
0.3599372865	0.2171265235
0.1022392902	0.0462556864
34.4211028699	29.7918124683
13.1549702447	13.5264707411
1.3108963513	1.6804025407
1.1504540221	1.0409900208
0	0
0.9699654015	0.1462791043
0	0
5.5810794537	5.0500479854
2.3420286652	1.4127920641
0.17300799	0.1408918817
0	0
0.5919127716	0.357062097
3.0389095324	3.6663490374
0.3220763335	0.582862492
12.1429619556	6.5402244389
4.1879723026	3.031594338
1.4675173916	0
4.1723629687	3.5656260829
13.1580260704	9.4256302955
0.2497342553	0.4519448194
7.5989884936	2.29198532
5.0640832501	2.4875034553
0	2.5539699343
0	0
0	0.0568765152
0	0
5.978715165	1.803283082
0	1.0607718005
0	0
71.5738689814	44.8364222605
0	0
1.667375905	0.8381819722
9.3359299195	7.6430937862
0.1847333837	0.167156275

gene_expression_table

27.5512839107	26.9242055269
67.4897548298	77.7231691367
0	0
1.3925354328	1.8900566141
0	0
0.7420434293	2.9095694023
11.5889492677	17.088749103
2.4310685508	2.3830689656
0	0
23.5551467674	31.9708640055
14.4158661913	14.6747450379
0	0.5067494029
56.2857014903	72.7574287316
0	0
12.2221493254	13.9442463526
0	1.4831856469
11.5003083876	10.4060710273
0	0
22.2183622961	20.104317934
0	0.7932365225
23.8341222049	24.8012917747
0	0
0	0
39.6529956982	50.0967039028
14.5489413344	15.4541321036
1.4129438222	5.1140172161
1.0140998879	2.0187415185
65.4262686446	46.6432560847
1.0020644167	0
146.5128716755	154.3380042838
0	0
8.630767083	6.4314042803
1.8457383037	4.0993830731
15.3009128156	14.9988080195
4.491617792	4.064246992
30.2296264359	16.1314463793
0	0
0	0
1.0837152126	0
68.1561256971	47.6549957611
441.1902180261	365.1703193427
13.834684153	23.3675575203
0	0.1636807608
0	0
4.7665443979	4.6913493634
0	0
1.2975091517	2.348106144
21.8668644746	18.6870276883
0.2081914656	0.3767647101

gene_expression_table

0	0
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61.8092433456	51.6260170308
7.2778739652	4.2334682174
18.594943964	27.3417015714
2.7347812386	2.4745708422
0	0
19.9967091103	17.5008041692
0.7407248773	1.7873226641
0.3456774593	0.1787352912
2.7929346578	2.3165917954
3.1689334976	3.6494361972
2.7694196301	2.9615340678
1.3592377406	1.2299082768
18.5539840774	14.3902284785
12.3278900784	18.1267280063
10.191727834	10.5781764488
0	0
4.4367658187	4.1261311613
30.0334809288	15.9306645753
0	0
71.5946852524	38.2323285304
100.3691571757	107.5068032847
28.6360312223	18.8446219193
0	0
4.5713709672	4.7727828119
4.6669932176	4.6921507831
2.1832766197	1.4111007667
0.2334521322	0
42.0130140372	35.0912656554
2.2592223456	2.6732639605
0.1562807462	0.4242325921
0	0
0	1.1221518046
7.4240213244	5.8779320763
2.072598609	0
1.6589456012	2.9188043442
32.5554665917	31.2253337423
0.4179574283	1.8909469811
13.3164359286	12.9100679086
0.5040592469	0.1710370327
0	0
0.9328170301	0.9646409911
2.0266080366	0.9168896373
26.4947188845	22.3484441177
2.5233427514	2.6909737032
13.3658660825	18.6909183874
6.4857055537	1.257557196
0.1268579345	0

gene_expression_table

0.181103472	0
0.7960746369	2.5211525877
37.172122058	33.6352495372
0	0
0.8045248364	0
6.5309122237	11.81901114
1.8290156585	4.9649625586
40.9258286332	18.5158982375
0.9125235277	0.7621830107
1.9230338616	1.7400600294
0	0
0	0
6.1304374202	9.0140949481
0	0
1.3440473028	0.7040944765
27.8023546834	0
0.8929044007	0
0.2518153921	0.1139277647
2.3939319902	0
4.8619635035	5.0278341211
1.1940793792	1.0804644896
3.651713948	0.6608517517
6.0413560399	3.3130484449
7.5631779918	8.0878350972
36.7507755863	59.8571884082
8.312562127	11.6243436338
0	0
30.8091496006	24.3929914487
461.0468056452	421.593474282
32.5988456665	26.8155578554
5.8914023451	9.328977196
2.8374286091	0
156.0990503682	112.9971649931
0	0.1682041031
0.1891741706	0.1711745276
0	5.1309115598
2.0281927273	0.9176065922
2.5034416451	3.7754047825
8.4244375255	7.7302290276
0.8599991693	0.3112686073
1.5680767277	1.2161798938
2.0367016722	2.1061857323
19.7697261623	0
7.8449401225	7.4447742232
0.3772607866	0.6827299597
7.3523774984	0
0.3600838607	0.3801261486
0	0
0.3876169729	0.2104414742

gene_expression_table

0.1080713009	0.0977884762
1.8176845197	2.9904264035
0.87573275	0.1584816144
0	0
8.8945689338	10.7310184461
0.9829919426	1.3341925663
0	0
0	33.3379682913
0	26.0391231624
109.288823279	123.6126914172
191.2554407383	74.1676148503
0	52.0782463249
73.6871611502	33.3379682913
13.1264578567	5.9387473879
100.1605806024	30.210149756
32.5670935441	0
72.109017666	10.8746585201
97.5429317171	56.1666418781
3.5378413937	4.8018315143
0	0.1874275657
1.6827131565	1.6917838718
64.4970580948	105.54514792
299.3675917937	244.8367452573
0	0
278.1032762857	333.6993863916
0	4.5818494135
0	2.8945045918
41.4435519906	39.2444573227
13.7858814876	17.0480394702
3.3732438074	6.5741515333
2.882556141	3.2603564762
2.5246682657	2.2844498085
0	0
0	0
672.1325828742	641.2610893843
254.839678122	177.7847173039
6.2972077605	4.1440274483
3.6717890825	5.906531153
3.5777483835	0
5.0037476422	4.7245027234
7.2004753434	8.572843089
62.3316480648	68.4867874693
1.0715377429	0
7.5193564204	2.2679669203
11.2136740498	13.0457693874
0	1.1949525202
300.7845912812	290.3097403707
26.8972147164	31.9436045985
0	0

gene_expression_table

7.6420850219	5.4842722103
0	2.3681838274
2.3528556536	6.386954738
0	4.2300017441
0	0
78.4778605889	74.0982344809
2.3973148057	0
50.3322394403	52.1849180239
5.9454188703	7.4291385853
95.8970942293	114.6638289681
9.8667187087	14.0295807049
9.3424463899	8.4535264121
26.2096848642	21.7395493828
0	0
621.2461419403	467.5186244696
7.9710231423	5.8166065011
0.524181142	0.4743060805
0	0.3049627037
4.3573923476	3.0329176157
0	0
160.4428454993	157.5324304191
0	0
4.8122511122	2.4882128716
0	0
0	0
11.2173689706	8.7967124943
32.1962616024	40.7859687984
383.2708368702	504.176055563
0	0
0	0
0	0.7050379409
781.4460757142	819.3955835983
0	0
16.5836858745	15.8168954992
3996.0596825844	3736.3685217044
0	0
5247.886459505	6172.5217817882
0	0
0	2.7952224102
0	0
1.907945326	2.5896107186
4.0071567997	3.6258817477
111.2750866798	63.1974272745
209.7976441877	235.2312035859
183.1454082133	162.8621621624
0.6240534617	0.5646756964
5.9967356793	10.8523102699
5.7989591772	5.3588392596
14.436353206	16.1363450504

gene_expression_table

6.6409002766	1.2018056844
35.3270167258	52.3075144135
2.1821803631	7.8981964962
1066.6052584299	1114.6950347371
19.3930765278	61.4174887706
5655.8731300671	5383.0886804206
1.346484564	2.1118388133
176.2754064115	181.0090926068
0	0
162.4912457627	121.7449533685
13.6411457093	10.2860090328
343.5027216433	362.6221024284
3.3973822116	3.5864806964
24.7489232772	29.5848657575
2.249954956	2.4430500774
0	0.2874400802
81.1363696955	61.6173054457
0	0
42.8559142199	29.0118664008
0	0.0763919953
47.2249209582	49.3622955915
12.073864538	19.6650974827
107.3474935403	86.0325622754
214.7454410664	217.1730505833
7.1783802744	2.1651226639
972.037278142	827.9796968597
43.0955061443	29.5824383534
4.5886457126	9.9649028381
0	0
2.5559225532	2.3127302966
158.5186647952	216.8750020682
7.5245270282	11.3476323219
3.3668069477	1.5232301192
2.0730403393	0
93.0591602546	102.5100921836
1452.5972733921	1932.9188057621
238.1442759745	259.2556309968
0	0
10.2862788408	11.1690655189
0	0
73.7874937953	59.0628701025
9.8060878881	11.4082111368
14.0983770095	15.9461715707
67.2552855227	88.3394193236
13.6841661112	16.0967792875
1.1745337231	0
34.2748235101	42.0899191918
284.8384407152	261.3161570946
12.7858345832	19.2821355064

gene_expression_table

1.7925477026	1.7957740182
94.2667351272	79.7943367773
32.0487230578	22.7533239029
25.7941974915	26.9705715542
1.5953700454	2.6465503928
0	0.5127722925
12.8783151815	12.6240427189
23.1804658347	16.6565213538
10.5094395734	6.5377688183
180.7725885598	165.7827807872
6.2983198393	7.8361855103
154.1881945337	146.4932862935
1.4610512625	2.644068785
25.6081580822	19.271412784
2.5980373068	3.7613406299
11.4665654729	15.9091593418
9.1558133788	11.6959782444
10.6419094878	9.6293475152
5.6463072398	12.7726736101
6.5573293967	4.6842704116
10.7214142617	1.6168812545
68.0189179848	118.697821169
103.5247700804	69.0233460627
3.0138520776	0
0	0.503906082
11.3978686311	10.6690119956
1.8546683781	1.9578993242
168.4095054512	142.5542613345
0	11.0183631465
0.5811614383	0.5258647856
0.8296876831	0
1.0974093951	0.9929925117
180.5000456615	161.357952952
8.5924958232	6.2199460275
172.9028546808	159.7801566518
485.3007078191	482.526957802
3.063483273	5.9399943503
6.8717303635	13.6793698075
0	0
0	0
0	0
0.1301939776	0.2356124258
6.707687102	5.3107780072
0	0
0	0
3.4779637444	1.5735203151
2.9353300287	0
0	0
0	0

gene_expression_table

0	0
84.624431327	56.882459514
1.4746617834	1.3343498924
20.8852390866	14.3529413387
0.2088142134	0.5668375482
173.1487197047	140.1818879057
0	0
5.3798148627	12.1698335577
0	0
0	0
1194.9092611374	1420.3158088602
0	0
70.8910726661	88.5824219938
3.6007053079	8.1452587879
0	0
18.8577006165	19.6885595198
11.523548277	14.3724887421
45.4682375167	34.8124631132
16.453555791	24.4932011936
16.5201637	8.3046080665
5.0502104215	2.2848451788
0	0
0	0
11.0176840359	3.987747068
0.9254714816	2.5122427104
0	0
3.1191523487	5.6447392178
0	0
30.7065084348	29.8055443752
0	0
0	1.9619312592
27.2415323505	30.3819921189
0	0
67.4501849511	54.2510217409
13.8481905565	37.5916670251
0	0
46.9511115294	53.1047282516
0	12.6353505599
19.7634250543	33.6620505329
32.8654255318	45.5987708661
0	0
141.4512929537	251.3305531258
84.9117742607	260.5625416452
33.3799161783	13.7290302032
3.2574364608	17.6849771512
0	0.4940067147
32.0158010515	20.6925320429
48.077449831	39.8340278583
0	0

gene_expression_table

11.744706913	9.9187343677
0	5.5987427665
1.6458046145	2.9784174717
0	0
0	2.1014000133
0	17.8862423023
6.6318445035	14.0019466823
56.6187179613	37.0986945417
0.221254802	1.0010136718
0	0
0	0.0879439332
0	0
6.2934684098	9.3555033028
3.4191886566	3.0938579052
0.2438544886	0.2206520941
13.3687572458	12.4869571467
0	0
128.2058603357	139.5222476004
34.0215879008	23.1789056396
24.1903630842	16.5644108449
8.3248868286	8.474384408
0	0.1191092896
19.8082363425	18.7027950322
16.1232305591	10.6102756225
2.0487983039	1.789932027
0.3317015359	0
67.2142903535	60.8189498835
16.7266026151	14.1260850051
9.1748256101	9.4339255705
0.1370254412	0.1239876729
55.0838175482	47.2534438522
4.3896533029	3.3099868945
0	0
41.3813417237	44.25196238
4.3335089425	1.5684727864
0	0.3954184396
2.2434163001	4.0599171041
0.3096638051	0.1120799005
1.5269020346	1.3816195608
0	0
0.6613207283	1.7951911128
1.3870194798	0.6275233123
5.9478426041	10.7638283272
6.14566642	4.6711688819
0.3541791986	1.9228774254
0.9510313929	0.2581626481
0.6719503481	3.0400763237
0	0
0	0

gene_expression_table

0	0.3519738574
38.622890648	33.5311696529
18.3699440403	15.8887443308
0	0
1.7334447662	2.5096160904
11.6833172911	8.7060786268
0.1770058101	0.0686417008
0.5804677902	0.2626185686
66.4695121082	80.1933815845
3.6711474889	3.6540275493
0	0
0.330637884	0.0997260592
128.5748057484	114.0373186364
0	0
0	0
2.6374296433	3.6715109347
6.9781066119	6.3141500725
10.3335120636	6.6231246691
1.2671580604	0
4.2365749139	3.4075298374
0.22690739	0.3158730569
250.25430859	210.7177736929
45.8632035584	52.817402231
2.5466071227	3.1272659355
0.034498224	0
0.8338637194	0.8048243391
0	0
0	0
0.1890952226	0.0684412366
0	0
0.1483513433	0.3355898301
13.5063859618	8.580894007
49.9516961178	60.265154663
1.6788449394	3.6458527744
3.8177995664	2.8449165916
0.0771834139	0
0	0
25.6707704856	23.2282345826
10.7403938747	9.024285454
4.5563175818	4.9473488308
83.7538623471	88.6193296276
0.2882783962	0
2.9224836612	2.3369236965
0.8473723956	0.5622805199
0	0.400942553
3.9737601884	6.1126267169
6.1302764318	2.3112457009
392.473803667	394.5894453608
0	0

gene_expression_table

0	0
261.5335589245	227.295310524
0	0
12.1381513376	5.0691803827
32.7526770507	113.9858007542
4.9897598864	2.2574958008
50.0531989275	33.3578290337
0.2724363802	0.246514461
1.1946040716	2.3780663683
0	0
0.3427652023	0
10.8229586095	10.4353451676
3.7135328385	13.4407826912
217.0026050491	197.7093009262
0.1995187488	0
0.3589160706	0.433020982
17.5822345514	14.7522701054
1.868928023	2.2366191465
15.401585571	16.3954675857
4.6755894179	4.0155929391
6.6330041196	2.7701001105
18.324520364	18.6112920845
0.3248033432	0.1959325231
35.6325232163	31.1850218664
0	0
15.1564297565	10.8270930372
8.2489255376	10.3667395195
5.1172985778	1.7363981906
1.6933679094	12.257971628
0.8156084969	0.8200050587
18.2941062547	11.4954507361
20.3440268293	15.3402689326
0	0
9.0089891372	16.3035942493
23.2097205858	19.343348635
27.0553676123	25.2971256487
30.4231174722	38.0154133509
3.4043248818	2.384832307
0	0
4.6637443766	4.6419955849
0.9340825396	0.2817353218
0	0
0.5259744515	0.3807430073
15.1474853693	0
2.4692590283	1.1969532204
7.0174695655	7.0181642992
6.3065672769	8.3919216376
14.7384956136	12.0025345686
1.4993893438	1.8089662159

gene_expression_table

0.4791362416	0.4335471357
9.465228339	10.7057823001
5.9096248545	5.5903933572
0	0.1807034882
0	0
9.5010552106	10.3880946373
0	0
0	0
15.3708996078	10.5703697187
1.4227262709	1.2873559672
2.3683435449	1.1823443608
11.3788426595	8.6200430935
1.3673906193	0
0	0.2633362345
98.0941207956	62.6545482777
31.650061816	26.953981339
0	0
0	0
298.4914845324	259.6128133923
45.0403104787	55.2453839641
0	0
108.9655149269	61.4634433832
11.9825962939	9.3564461511
0.1217370016	0.1101539057
12.6364310475	9.397884899
23.9268442365	21.6502403408
18.6509036079	14.4151709281
10.6868803697	8.1823411019
21.5989014178	12.2148736523
20.0298243786	12.8378447853
0.5585138731	0
1.8228458156	0
129.8708104708	199.773450885
0	16.4370296277
7.1748502128	25.9686952414
6.2193861238	3.9393345029
12.3037900173	8.0968018665
9.2134104073	10.8152666112
4.9626047305	4.4904202188
385.7948004452	318.7316040359
0	0.4831589607
0	0
1.2662782423	0
0.0914588086	0
43.116788543	43.0157554038
8.0847022457	2.7432955372
9.437294895	9.4881669134
0	0
0	0

gene_expression_table

0	0
8.9457170639	8.0945452957
5.2783735539	5.5403271617
1.6056321156	1.743430309
52.7368211257	74.7178929782
0	0
0	0.4675202013
0	0
8.3738614355	7.0719608267
3.8645747592	3.4968661778
141.9008464282	134.0431108982
68.0687852268	68.6312426407
14.7870210278	5.8872254379
0	0
20.6202954818	14.7530782276
3.2753525441	3.9516101151
0	0.5282953018
0	31.7013124307
2.459815112	2.0234248515
24.6379692978	12.3853905015
0	1.7762851187
53.7062618078	50.9288074409
8.9222185646	10.7643768585
61.4641723338	65.2417841005
0	2.6986581037
0	0
4.331964937	3.9197848704
34.2343508928	23.9367750146
0	0.7356832234
14.3791635096	8.6740048905
8.1271369533	6.0167878967
0.4007211829	0.5438897311
16.7782813631	11.8418450813
0	0
0	0
0	0
0	0.6910508503
0	0
1.1098477033	1.0042473333
116.2343921675	107.5651991582
6.4080121896	0.892046045
0	0
0.0837483879	0.1136697787
6.3947728343	4.8605084996
1.8101808819	0.5459816147
15.6924527107	14.1993390087
14.2751645716	19.7552645483
7.6863651995	6.5014307122
3.8260775145	1.5232940312

gene_expression_table

31.5101892787	23.9501146926
13.1894872802	10.3778496024
3.1447170958	2.845501908
86.504456579	92.9500012687
0.7894483393	2.1430004868
4.300997246	5.8376455642
7.4205770961	5.8071525566
4.0855430576	3.6968096689
9.2276996668	5.7805599256
0.2603368468	0
8.0050119355	7.8005273996
0.0890938774	0.0806167265
0	0
4.1750742497	7.083416438
0	0.130076315
39.9245810421	31.6100890995
2.6703621919	3.8660498763
0	0.016491925
0	0
0.5712602388	0.9691981326
0	0
7.7497746598	7.7637230858
0.1469498007	0.1329677441
3.489192373	3.1572008713
0	0
15.1397621098	12.8536042442
8.9964901543	6.1053655511
32.7355783871	30.3552373487
10.8044925505	6.6947504945
0.1070633492	0
0	0
51.5640852014	37.3262709125
0.3579767379	0
0	0
2.7190665459	2.0502928162
3.7765715469	3.4172363412
12.7839195327	9.4913218195
11.5978202764	10.4943048039
0	0
0.3047818157	0.413673414
13.722409555	7.8048096029
7.9474963258	6.5920284712
0	0
7.9093744001	6.3310234398
27.0872679546	25.7999520097
1.7019937677	2.6950902546
72.8149696836	51.3100220394
9.7945747494	9.1312001358
0.3341362168	0.5614953486

gene_expression_table

0.2478809855	0.2523324102
154.6800026777	121.139895309
0.9265454119	0.6097352613
196.0099450227	115.8055740645
3.6999301541	4.463849685
2.3539312013	4.9699022885
444.4999720998	289.8252404679
15.7597841058	14.2602639211
1808.0622536279	1469.8687267505
13.1867139305	15.0720221977
2.7725804928	3.3450314043
86.7833016238	79.0829206056
2.8464967397	0.9812025822
8.5716304487	8.7901927987
25.12031046	18.622291579
0	0
0	0
4.3992335015	3.7318621222
55.1218244449	34.2904816711
0	0
0	0
0	0
333.1747652467	271.1668006247
127.982964103	91.6794128011
169.6518361366	168.3654932761
84.5982097088	80.801526927
0	0
6.2085352799	2.4076295641
0.4206591523	0.2283804331
3.2268180709	0
159.0197047166	221.8292059056
0	1.4037039281
0	0
196.8053605783	216.9877736666
0	4.4714091256
99.4233222386	67.1878108478
0	14.1802743752
11.7280056675	12.1281179969
116.9283358591	152.8262339836
12.6366914458	11.4343289157
0	0
12.8393380052	11.4207838872
15.5898894868	10.9717490744
12.8460903945	5.6114915204
5.1517050138	5.4384492043
6.0482450251	4.5900596615
0.6995415316	0.6329811879
5.3796060595	2.818167861
0	0

gene_expression_table

7.189212729	6.0985966447
0.6026293331	1.4541067786
11.4526935601	8.534224325
17.8161518693	5.5803362291
0	0
26.7937935752	17.4256651476
11.4972875554	9.6858660626
45.3988577448	28.2419661371
14.5098270991	6.9507733117
4.998714655	3.2307816695
38.5246564949	40.7851380142
0.6688520918	0.5733585502
0.5019652052	0.5677549465
21.3969685173	12.1006741002
6.2865599603	10.4287389499
0.4214005589	0.2542032787
0.2541069354	1.1496451785
0.139016814	0
93.481950224	46.0254321496
3.4872265973	2.7046475453
580.0498578503	457.0542230722
127.2843172402	134.0322051542
10.0673988323	12.5797866813
1.8989700151	2.3728708977
16.3169333544	16.4048902682
0.5363400326	1.7794629254
17.1437980679	14.6852528119
0	0
6.421045972	5.3950862921
0	0
0.2128412947	0.1925897598
0.4360577993	1.183702631
1.130649131	1.0230695358
32.3123118643	44.8060452806
1.5762527224	3.3279740751
0	0
5.3210517726	3.1295950102
0.092134428	0.0500207839
0.0275863946	0
0.0948609572	0.1430584621
0.325792884	0.4308530209
45.2883168669	36.2279887554
1.601668711	0
5.5581172982	8.6615216665
26.8389348805	7.4723845724
4.866481088	3.1453161421
0	0
3.9939630343	3.011619458
1.1325602118	1.2944826697

gene_expression_table

0.2412596699	0.1455361124
18.7972167938	4.6387334657
0.3856335018	0
26.0757628212	19.9647398039
0.0774628902	0.0700924106
13.8116539395	9.4320720477
49.3412493293	31.1172591922
377.0507929075	296.1912810771
1.3136588251	1.443380298
0.0532345922	0
1.1356332581	1.1494956343
21.5703303309	9.2453424884
2.7110844906	2.3240167625
47.682092023	35.6547232935
5.3408336351	5.2590724842
3.6329825467	3.5861559517
3.2867893462	8.9221685808
5.789246055	3.9288058815
0.4056850714	0.3670847359
0	0
3.5420284424	3.605635875
0	0
1.9080284971	2.3019765376
0	0
0	0
48.817744262	75.0104286554
14.1526134908	16.2985622757
0	4.1995023147
0.6303081502	1.1406705211
1.2488547566	0.847521053
95.708169652	80.6970187369
0	0
0	3.053506521
63.1871104064	58.5694611409
0	0
0	0
0	0
1.5446161404	2.1663547031
2.4722256664	1.8422328606
74.7655430386	63.9948627281
41.1292433601	33.2983980025
2419.2105917389	2273.0400781029
0	0.2650279133
0	0
1.7323059217	2.6124659523
0	0.8122456974
1.738055113	1.6554544586
944.7224869444	945.6596007584
3.7558644597	3.6412494672

gene_expression_table

0	0.0873940689
59.5379410401	46.4931316972
9.4178773762	10.9185309472
21.4173132695	16.7368301477
19.93443718	21.37075909
128.8934589739	135.9742230675
3.0471129458	2.1767247227
0.2882157542	0
0	0
365.9052028378	331.0898631298
2.6961399992	3.5655783796
13.8350589751	16.9370289128
263.8475770218	204.8671922417
4.0383130438	4.0969915237
0.4558965693	1.6500747359
97.8247786879	97.2234753371
0	0
8.0700656427	9.5490449107
3.5231261059	2.4706270412
15.3910623253	27.2477454915
2.1481041889	1.2148220297
4.0888689371	2.995091649
30.4629442454	21.4390089557
0.3885280705	0.3984348915
24.7533331599	17.7178921399
0.5013421039	1.1341003577
0.7357197271	0
0	0
5.5105750818	3.9596707062
5.4315534806	7.3721237817
29.3218380327	30.9538931849
0	0
5.4481172172	9.8594738188
113.6848518535	113.0865722482
13.7838437026	11.1996444589
0	0
4.6246131956	5.129495065
2.0973876785	1.6131506874
0	0
0.0451432043	0.0408478951
0.9266078227	0.782546293
2.3723671395	1.431093273
4.3286233631	0.7833522485
16.9361127667	14.5949206162
0.8448454158	0
233.8097531769	156.4375038429
1.2582381638	1.7077779908
0	0
0	0

gene_expression_table

4.1642782761	3.2656462346
0.4712331149	0.473773311
65.5522499064	144.0508360315
38.8908658603	27.0695826191
1.3020508004	2.0945112703
2.0506775231	0.4638896463
1.3713163438	0.7896239392
1.3308453806	1.9267478527
0.7875741857	0.6235579569
4.4356485818	2.5541111078
1.5635276116	0.7073801341
20.1397584904	13.1260104316
34.3412585923	31.9744266239
5.3945344627	4.6371898511
42.7636326969	33.4969358115
0	0
11.4245725094	6.3615638807
0	0
0	0
24.9505648853	16.3485401763
81.6607718717	64.6545112664
0	0
0	0
39.8272736335	19.5204573207
11.3984827404	13.7519119202
807.9185160642	903.0571475911
0	1.6845521811
5.2055294376	2.8261385993
4.1490282689	0
182.4222601377	181.9084240728
80.2848874729	76.7970932166
141.7060791351	125.6584958672
36.2882055288	23.8803173531
0	0
0	0
28.9421470509	11.6392642216
9.3567997869	11.006468336
40.6208621736	60.5390423213
103.6520169633	86.2865061657
0	0
110.6355102009	104.7433670422
46.3816630101	69.3392877467
0	0
0	0
0	0
9.7878491194	8.5285293693
0	3.8897570546
22.3461403155	20.2199380636
13.4346757898	18.2345793417

gene_expression_table

12.038765649	12.150213515
218.1690902093	227.0222169699
0.6690661501	0.4843243951
0.5858323849	0.8540359811
15.4492752953	19.3559532443
0.0937923585	0
29.6401074836	23.9831753605
0.7335926745	0.3318962074
12.8176603221	15.4641051608
19.6066327477	18.7267067396
0.2056878732	0
0.5081401208	0
0	0
11.4915249166	18.9056787102
1.023755949	0
1.5552853607	0.6701439311
0	0
1.0226885181	1.0988901938
0	0
0	0
3.0424476922	2.2023706297
11.9030693771	7.0242455892
3.5666067775	2.1047278758
6.6806560307	2.2388894352
0.3533129412	0
8.7420872254	7.031369365
2.5616816623	2.1163813103
0.9825870985	0.8207034343
0.1290068142	0.1167320064
0	0.1028308469
28.8047252032	24.3824498699
0.0748023969	0
8.2553482101	7.4698640188
0.7411764241	0.6706545818
4.9799282285	3.9940391148
1.5523440019	0.3830838443
15.7794326432	4.4618884154
6.3044705423	6.617346997
74.644812583	65.2134182442
8.2762516077	12.3344586878
8.3229081048	6.0247965514
0.7854463087	0.7107122523
40.4565447302	37.0378367629
0	0
0	1.5388548133
5.3447856391	3.9001912729
0	0
0	0
578.3546257757	406.2874889482

gene_expression_table

54.0229597219	52.3743802302
0.5600431671	1.3513490314
8.6485227669	0
3.0520792494	2.0252308383
0	0
0.6206983534	0.3510248885
0	0
3.7135996711	4.2766896408
0	0.032979277
6.1681749124	8.0888147511
62.0351595323	51.7843052693
0.2801416622	0
0.6672816609	1.2075815924
0	7.488278754
0	0
1589.1192679544	1280.9390870128
0.8389430112	0.7229703072
0	0.4848802822
17.4099359268	13.2280510354
16.9072849125	11.9362560676
14.5056613327	12.2305507316
0.5303225749	0.7037993088
0.9830868788	1.1860634854
0	0
0.2990456756	0.4181875145
2.1239250274	1.6261695133
10.4475889064	4.7267581251
1.0352453577	2.810229872
27.275701884	18.7866181426
21.3157324296	11.1664890332
3.6572862887	2.8956382868
24.4469034117	24.101785309
1.2749885192	2.3073504888
0	0.579129472
354.9049980526	274.1407537926
4.4263485755	4.3321421712
0.5888192549	0.2663969862
64.173763418	47.0072056252
6.3451715318	4.1391761104
4.0618201302	3.2669723938
1.368599986	1.06146833
0	0
0	0
1.7453713638	1.3536873051
0.6920513815	0.139156381
17.8435278122	19.7336852666
6.9306240374	7.2613725625
10.9315435651	7.7894958785
0.1308670129	0.5526043126

gene_expression_table

4.8152006296	3.1297057947
0.2924539153	0.2117018857
25.2790402338	19.4466953315
0.4861975076	0.6599047991
14553.1304010204	17031.0694140174
16.8701194344	12.1336801786
5.1908158031	6.5956711651
6.8696811933	5.1800343103
18.6345927355	13.3018805733
7.0697714096	6.8382719346
0	0
1.1952485793	0.5150106867
0	3.5690282356
2.6644289929	2.73236751
11.2634813618	12.7719746403
3.4998067249	2.5910225045
8.4395218953	8.767849235
4.7458027524	5.9458799475
4.6771182895	6.5405141498
1.1092329494	0.8603066334
52.8893565858	36.3713294314
0.6695994945	0.5126745389
37.3245799683	25.7112113142
1.9920887367	3.1544527616
349.3944264109	321.290714124
1.4746488659	2.348435239
9.6910015818	16.61479028
0	0
0.783070812	0.6731346416
7.5061391165	0
0.2228816839	0.1283385223
109.0977486243	91.6152978747
12.3954812011	11.4769082945
1.3835121447	1.1475502566
7.2205931335	9.031691909
3.7857873052	4.4200970757
45.3094596384	60.7520729868
2.8563151738	1.2922705015
77.2351620047	72.9248873689
87.0868260523	78.4975637602
3.1470466428	3.58587901
5.4060414651	5.0834945874
4.4542994681	4.0304794515
31.522594865	22.1847628441
6.9192599154	5.297686775
28.2330970737	24.0869447465
31.0961960756	23.8361743883
0	0.3679338771
53.3606134737	44.1916138074

gene_expression_table

1.8452077789	0
0	0.2344825307
2.8846747748	1.8157928556
0	0
4.3238769249	5.2818296679
6.9458274774	9.7416604876
4.160715138	4.0489672925
1.9168754539	1.6622172691
14.0855147687	12.4903928622
31.0041960143	29.2231172378
6.2741693207	5.2040920938
13.4038198509	0
3832.9107010644	3400.3585293851
0.7092537022	1.2835385196
12.2356267079	15.0973975845
39.1815129848	45.746386948
471.4434505243	429.7777211213
78.7619680935	92.8642113634
0.1366929425	0.1236868109
0	0
0	0
0.9870151473	0.8931021136
93.0863331925	75.36306331
12.3609640563	8.6993173401
3.5390428147	5.1236929873
18.4320303044	17.3453798336
4.6019902686	3.1647294447
1.3740107358	0.5086127632
0	0.0203086727
0	0
1.0085370945	0.5069868218
17.6684103129	27.3116155702
0	0
1.1231761284	2.0326151568
47.4882221772	27.8039804474
150.4283226503	157.6781080923
3.9204777396	2.6605875541
1.236655188	0.2355766891
42.4788176662	24.3434465667
8.1236402604	11.7611006177
3.5867035486	1.7702367286
0	0
16.7983614198	14.3783993191
1.156646761	1.5698902946
58.3042595418	44.3156240905
41.4961829003	23.0293678572
76.7163656717	67.8392595679
1.7209857086	1.5572364598
15.0928380762	8.9622597889

gene_expression_table

0	1.7708699455
36.1587556574	49.0774551798
0	0
4.9659829502	4.4934770059
52.6928255095	95.3583619504
70.3700542174	57.610214383
612.1702618635	569.3099200515
0	0
13.915775339	3.4341026905
0	0
0	14.9342029902
0	0
215.483932176	186.8567478136
84.3355948425	47.6944922087
0	1.6887901386
107.7324950994	128.4285445146
0	0
0	0
14.9025303176	20.0093716769
65.8099138825	64.3120535806
0.0953243426	0.1725087444
29.3200956269	31.6652347598
3.0218420753	2.4608864378
0.018832904	0
0	0
25.981182696	19.1011531178
0	0
0	0
1280.3233072372	1553.157110983
3.9626706251	3.137424821
0	0.1492331437
130.5852055173	160.5437718085
33.2008536821	22.7903625042
2.3432197716	1.4135105804
155.6190830801	207.6005320561
0	0
381.9386886845	423.0954719273
10.4121733508	10.9917155044
507.4244220612	639.3140650535
3.2490942897	2.939947766
155.4041399432	292.0520745355
14.0525479487	9.5366015724
10.6810922822	9.3805432386
12.833946261	29.0320380663
0.3880540962	0
1.1698484902	1.0585391339
0.9138433825	1.6537850683
17.8441891244	20.9168506858
27.3005964052	19.100246113

gene_expression_table

40.4156728746	21.9421087701
5.8842177081	5.8314233762
10.9301559208	9.6703862207
0.2680850171	0.3032214045
2.1366938601	1.2889270631
7.3264823003	6.8579775814
0	0
0	0
1.2817410092	0
2.1849908509	0.3954184396
0.1857643757	0.3361783393
10.7133541754	9.6939943463
1.4417663842	2.0500612657
9.5990461622	9.3538427177
1.2349803545	1.6762106962
0	0
45.0003150797	25.9445956798
0	0
0	0.6984728556
0	0
16.660071833	10.3639872878
1.0219059562	1.0171404248
0	0
0	0
1.441491667	0
95.0286012228	131.8463808933
201.3218762491	197.5762432952
23.3427587805	13.5782548415
81.7217582585	85.4487730962
39.8819867952	30.257791819
15.5232147973	12.7692762117
27.4938277156	27.3656136703
8.0652614194	11.9684964771
0	0
6.8329506651	3.0914027499
2.002949703	1.5534617113
7.5646039303	14.3119445323
4.7773601532	4.3228013894
47.9792636727	40.782949551
72.898219382	62.4283795947
0	0.1192373074
15.4719596052	14.9331471964
0.1928167509	0
2.8407724731	4.3292247029
1863.8679498432	2094.2546632183
148.4037752871	127.811887258
0	0.4087508652
2.9198730006	2.1466667596
0	0

gene_expression_table

3.9043212041	3.7977931177
61.8760611573	48.8106138619
52.8040700391	25.2171381747
2.8653669756	2.94628584
0.9222798868	0.927251464
1.2952328487	0.8371381113
1.4774742185	6.6844736422
10.6717478296	0
17.0800291077	31.5817308412
30.7923728774	52.1529296696
0	1.8225768542
20.281407034	14.8561066087
67.7366548861	58.5628760425
4.2314081094	3.3870117369
0.0244503026	0
0	0
11.8714873131	6.1382473292
3.0150977284	6.3658364747
0	0
1221.3377990911	1212.4674521123
0.3862010542	0.3494545942
80.3398852325	85.568854256
7.9102485336	10.0206400936
2.2096662404	0.6664732536
1.6870152779	1.5264982655
5.9993232609	6.4337736439
0	0
0.1323517322	0.1197586604
7.1318455358	3.6875776942
3.0022460272	1.5523352864
0	0
0	0.2880547106
7.2088504238	7.1159334016
0.5457644659	0.4938357829
6.8314337271	7.4603500471
6.1767624468	6.0822043232
12.2205563502	12.2217661925
0.187176809	0.169367212
2.3402442743	2.5587346307
0	0.8880556601
6.7869465806	9.1464362663
0	0
0	0
0	0
2.3981817134	2.6039979178
9.1610127354	14.2473304565
1.5592444169	1.0816782034
1.2642072553	2.0018596533
0	0

gene_expression_table

0.2722040239	0.2814905291
0.8167867718	0.3695353583
21.9446509141	19.8566497859
0	0
0	0
0	0
0	0
0	0
0	0
9.3873176343	12.0877978571
0.3023587705	0.13679489
17.49628252	9.9988655213
7.5391235271	5.8152938844
1.4438658263	2.7996088395
4.0973078248	5.5611825538
2.3069792816	1.1742039055
5.923242915	7.7045042043
1.1315385379	0.8190994536
0.4470198663	0.2022432931
13.8622877983	14.8951825073
15.7331990265	13.1122971854
18.7912429355	4.8580811199
115.2979143469	138.1237165869
6.8297520926	8.2398816889
11.3304837435	10.2524049474
20.5928834266	318.6328667345
0	0
0	0
0	0
0	2.1617546166
5.0525422744	29.7167021985
16.2355818833	15.8430090852
0	0.4194121245
0.9973721098	3.3842760989
14.1171339214	19.1608642139
0.9016783825	9.7906201916
4.580696704	4.3886648934
55.6133788807	39.9994176458
69.2448649218	85.7794833598
4.2975133749	7.777222647
3.5482377418	4.2808375472
3.3751406282	1.832400589
0.5558223169	2.011746577
6.7582545836	2.446086656
0.6769176741	0
1156.2128334853	1055.5838574111
0	0
0	0
19.7697261623	62.6103306934

gene_expression_table

0.4533708826	0.5274428305
0	0.0794841201
115.482101998	93.377751536
12.2825420694	21.2613286303
0	0
0	0
3.3233583192	2.4565415437
159.3024453515	141.5001895662
107.8637801288	90.0929545245
0	0
119.2530689792	134.8018837151
2.9485785121	2.2233546841
12.2615500079	11.452781039
7.203188303	5.3327581962
0	0
14.8813524667	12.6059192601
7.7381204602	11.2638452106
0	1.9483228222
57.0937876148	51.6613980352
4.5016727841	4.4436493816
23.3146425776	36.640922593
12.6307724806	4.1144303272
10.0097253494	10.1228812068
5.7099343769	5.4705627031
6.2829203032	6.4431243432
15.6563368489	13.1725079728
0	0
0	0
85.0438072078	103.9069574841
189.6607045515	234.6917199598
2.1721092612	0
119.8172790908	141.7758702066
111.8986487608	87.4446133602
18.7987139975	15.6492405915
1.0401919339	1.3494588637
15.0403071012	10.134543472
25.9344228018	17.0134305585
0	0
53.9291582083	59.1315468197
0	0
6.4968864531	5.2908455711
4.620693571	4.5360354825
3.1361559898	3.4351775635
0.4517885027	0.2044007469
7.1985681408	3.9081810075
3.5491152565	3.746659211
0.9551071676	0.9722588974
3.3117825236	2.0431849821
0	0

gene_expression_table

14.7764425812	14.2821099284
0.2955786533	0
90.6632817995	65.5577956728
30.5756770763	27.6664465544
823.9722748005	755.9758672581
0	0
0.5579692108	0
1.225094428	1.6627927534
0	0
1.464487157	1.230490269
0.5273887074	0.2726905433
3.9688578824	3.9794676634
0	0
4.4790108479	5.2107937457
0.3236265978	0.159727639
2.7411180939	2.3884416161
16.9453677436	33.2796685916
0.4126240952	0.2986908175
53.7579124406	37.026705214
1.0284103692	4.6527932062
37.5027192776	33.9343909196
0	0.5878717301
10.4949925467	10.4095258026
0.1756751797	0.1059732972
59.8865435371	35.4862267638
0.764397648	0.4940473862
2.9578438791	2.0073070515
0.4636695504	0.2936864542
24.8238582184	22.461904767
11.4402797183	8.5249738801
0	0.0226726582
0	0
2.8462851946	2.5754653616
0.6758500559	0.5241805039
0	0
0	0
1.3978721807	1.6864889427
0.2092739686	0.3787237191
0.1034932039	0.0936459783
0.58477186	0.7055089081
0.2210112536	0.0999911796
2.2883224511	4.4000078918
0.1836946514	0.2991894779
7.5384695303	8.4676907007
0.9848830773	4.4558645347
0	0
1.2949500125	0.3905791437
0	0
3.6852554411	2.7391429659

gene_expression_table

2.6468025472	2.7941237257
20.7335296969	17.2292739466
0	0
0	1.630930091
5.3691865243	6.3925215201
2.7612812574	2.2486944811
7.4390190576	8.5669912105
0	0
0	0
0.9015483774	1.0876898409
1.450358031	2.6247172123
0	0
2.7333746114	2.158514665
2.2876604661	1.7801939378
0.5554520085	0.5026015702
12.0631212277	10.3955552922
8.5137467625	6.3442040369
0	0
2.1487566874	1.9443056618
0.8809889444	0
4.4363054255	4.0141975155
33.4921686073	23.1339223077
10.0551742989	5.4590635879
0.2540361449	0.6895949425
25.8789342635	26.34366587
276.3226842862	237.0811767538
14.3962620722	29.0590685281
0.9095018351	1.3373166277
0.0917265644	0.0553326115
0.5043227759	1.3690116257
0.6086545371	1.9275968483
24.5065317072	19.7867190996
1.9413612638	2.1409093953
3.5538282125	2.3286007182
0.7697343438	2.3216508588
9.7573324543	8.8289366801
67.1956451847	64.5890594599
6.1832313364	7.0233926454
50.013257168	32.9711864261
1.2374343344	1.4396069376
452.1352867717	248.6162097795
30.827167327	31.8788661476
56.2560701608	53.4068334792
145.7163400269	148.5225431579
0	0
2.8789936414	1.4396393317
107.1652223459	59.9442314469
7.6343898984	7.1308273274
10.9306811575	8.3920607162

gene_expression_table

3.6807949984	6.1060501147
2.5490011777	3.4597012198
0.2336989301	0.4229256441
14.7881001449	11.7753101436
0.0708028394	0
5.7778192367	3.3019378538
4656.6270197842	4858.6591477272
9.9679039349	8.6854180548
0	0
11.2671106222	7.3096668684
0	0
638.4607268347	502.7150191017
15.0805961894	14.0247469466
4.6350138296	3.494999257
0	4.9912421336
0	2.8275509624
0	0
1.6917970672	0.7654125373
29.4347261971	35.9559748798
8.1063383134	17.1150751187
4.4989386086	0.8141742487
8.9372483355	8.4544679158
0.2073666446	0.2814540219
0.3579679549	0.7287926235
7.4720224865	4.8595194801
4.0407399651	6.0407931274
14.4056302708	12.7131050627
0.2422873212	0.7673191413
5.2343697488	2.706472684
0	0.1033166458
14.3654551565	11.3479870186
0	0
7.2628413615	5.3769213255
2.7225336644	0
0.0855415828	0.0387012138
0	0
131.4136400069	111.5135212419
0.8030635132	1.1626451293
0	0
0	0
26.0765758093	16.2460324823
5.0504601599	1.9585355717
32.4807819424	23.7921342666
0.8218084168	0.7436145595
5.2929649584	5.5875716853
69.6556570254	60.8546439797
4.367113383	2.9636917453
0.4052718813	0.9371499762
6.5736926074	5.147494151

gene_expression_table

6.2094160481	2.8092996404
0.4658334173	0.7025167593
2.5740599684	2.8467290666
2.3260620255	3.3074496066
19.9741150604	14.0226265154
24.5238173391	32.1177020628
0	0
34.9011049367	24.0010404195
0.9019905479	1.7139517064
16.513930852	7.471327359
0	0
6.4586356387	13.533719147
0.0730761632	0.0991846113
0.6206092456	0.4211693943
11.9144659943	11.1401828877
0.4669914404	0.1408526315
1.3552487904	1.4562299073
56.5060220453	38.8829568949
8.665909115	9.6509054276
659.6483708199	519.7421155481
1199.3557841673	974.8110393709
32.5252412116	28.0455472452
0.6765493757	0.2448706807
127.6098359278	51.3190882152
0.2169342545	0.5888798416
27.4345900251	28.7030151254
7.0704075449	6.8897970703
61.2818870004	52.453654276
0.7444624548	0.7484755018
4.1403938631	1.8732207506
7.1076630583	4.2875862762
194.4392570186	156.6283093393
14.9182596194	13.4988092468
4.7506565066	2.8657590369
26.9705301595	15.3656855085
9.0656256303	6.5141825869
1.1915844505	2.0216380306
97.8779220189	90.4493436028
7.4657105432	7.6871328939
0	0.8512553482
14.2488910632	7.0547315753
0	0
2.5496807743	1.5972109019
6.9993081831	3.1666671728
0	0.1001945587
4.3746425664	2.2619438779
0	0
0	1.3053353547
3.7886413679	6.856315473

gene_expression_table

17.1012399906	14.2524441862
25.3766885024	21.2225784548
0.4572682455	1.2412795415
1.1925296254	0.3923862518
0.1476188626	0.2671462917
11.9967019004	8.9836414597
0	0
14.7583586265	14.9215078787
2.8141061246	2.742221012
0.4196565074	1.1391804314
0.3783597881	0.6847188259
1.8935421567	2.4272804237
12.0453752467	11.6024546494
2838.4135438033	2845.3596174378
1.833013959	2.6537686202
0	0
13.2628277845	9.8578733588
0.4389527526	1.3239568213
0.3834544379	1.3878772576
13.2057127074	7.8689910586
2.2881237897	3.2535048701
14.9444549831	13.5225121603
0.4283047314	0.1291840562
57.0737582689	55.1326848879
2.6792726298	2.2817353371
0	0
9.8770560134	11.4198433637
0.2918984576	0.4402079174
14.473639503	10.534136541
0.0724338363	0.1310837275
0.0125405442	0
6.942109464	4.7111835001
0.1409327014	0
20.4547788202	17.1273027304
0.7706559216	0.1743322872
0.8215932261	2.7878244147
2.0157117927	1.2159465282
0	0
35.0473055095	29.6710220589
0	0
1.6523281889	0.1868889502
4167.8076314531	4230.9139421611
49.3889777003	70.1669889741
0.6223099982	0
0	0
17.072953085	15.448486811
110.4387687555	111.2703349675
0	0
328.7021761818	286.5716623126

gene_expression_table

8.2114668469	8.2941297516
7.9354171151	4.308224337
0	1.134470692
0	1.7452356988
78.6681186504	114.5872092664
0	0
1.2349489947	2.9053580959
28.8061594905	23.6957235943
0	0
3.3121584354	4.7952183222
53.9231284869	20.9110381891
0	0
6.655180852	5.1616716187
5.3168485409	6.5089435198
0	0
3.0374860321	1.8323158145
0	0
0	5.222245033
1.1939211774	0.1543316201
1.6892506551	1.5285209498
76.6919259248	82.0120392308
56.0693962966	43.486693747
208.5747469378	170.3165660405
1.581578093	4.293279819
22.6443812711	24.3316396764
25.3262975398	36.2845180708
4.9558620611	1.4947730348
29.9652041646	32.5368710865
670.2251999271	784.3475120491
3.8480965074	10.4458674219
0	0
19.283851632	14.6194505517
0	0
0	0
0	0
7.1766148095	8.1172131354
0	0
57.5246109664	32.8744605354
2.10443645	0
0	0
4.7062172704	3.5486897058
0	0.1905425442
9.7939455765	9.1730158063
10.0941071605	8.0119892723
1.241359928	0.8023188314
3.332727911	4.9003886291
14.2975537865	15.0933564335
13.166283275	16.2270506601
3.5447176647	3.0928914773

gene_expression_table

0.5255784549	0.7133556616
0	0
1.0811614776	0.5869743357
0.2931982478	0.6632521688
0	0
0	0.0878786607
14.7302181654	15.3481535473
4.0958457531	2.9649056625
31.3511854048	31.914187212
0	0
0	0
6.3157253895	4.638093231
0	0
3.1473309571	3.9432005506
0.1283793635	0.1161642567
1.0894200416	0.9857633335
1.5779493593	2.753633201
5.7964455719	9.1481203527
18.913222368	12.6100631921
1.3521331839	2.9363512997
10.4426788171	8.3106307765
31.787589386	30.8463520179
0	0
694.5508227347	639.3009468825
3134.9576289718	3894.501984486
5.3702440002	5.1292328369
8.9921685252	9.0938213183
0.3433978262	0.138099569
0	0
0	5.0369459914
28.6867044981	24.7591819924
0	0
2.0552775528	2.0214357921
1.3554494526	0
9.0733577639	10.7087493541
0.9924309297	0.8980025923
0	0
5.0870159043	4.2661894249
1.2788340575	0.5785774427
0	0
21.2325929476	16.995534266
0	0
276.3130827283	243.4427667103
0	0
0.022878757	0.0207018771
0	0
0.3225890578	0.5837903707
26.1197515878	22.6497251378
0	0

gene_expression_table

0.6351880556	2.1074197837
1.7363948715	3.1423589273
17.5181447899	19.9640938895
0.9778640719	0
6.9258430428	8.3558124065
9.4765250115	8.2318537449
0	0
0	0.9306898444
11.81022597	12.0223129607
25.4166924566	33.7044516335
2025.9606782555	1456.6072475177
4.1174590861	3.1525060214
1.6329717103	1.3134194342
6.2912833001	5.6926769846
0	0.2111719283
0	0
9.2218619458	8.9265839161
76.8272186269	45.057458851
1.3517239654	2.8539219945
0.3155323459	0.1427549546
11.0502836969	13.3318206951
17.1530023408	23.2813792476
2.3543743598	5.3258977906
1.6931058999	3.0640187475
0	0
0	0
2.8057803669	2.1156787569
0.3297262742	0.8950599184
7.2783316049	6.1984085655
0	0
4.7766590199	7.0048912929
0	0
16.9035968654	17.6745048545
0.8421754424	0.1905109232
38.8446696159	26.3614924987
4.1184604267	4.7203536654
10.0632193261	8.0130326037
36.3874250839	32.9252153215
6.8715685424	5.9068614959
8.0965915137	8.4829832278
0	0
0	0
0	0
0	0
15.4042843672	7.9649082615
10.2786369275	11.4144215758
0	0
0.7083059953	0.5798725138
1.6822388917	4.5665290361

gene_expression_table

0.8643082263	0.5586218392
17.7002435623	41.1842353519
25.8618424871	23.6261371958
3.6145318736	2.4529608776
0	0
0	0
0	0
5.0718258093	3.8721789055
0.0381550147	0.0690492428
23.7583406431	18.7416453058
21.2172863738	22.6443762499
0.2631589392	0
7.9889671713	12.7127677884
1.676889653	0.5057786929
36.728211102	38.907601233
12.9509951926	14.476074684
0	0
21.2454859172	33.3890687945
109.8423359012	123.7869725371
0	0
3.8690156213	6.0015162829
80.3990225062	130.5205773168
0	0
139.5806762368	140.3330900171
3.0572168557	1.8442181244
0.8813614781	0.7975012349
2.509901584	1.1355440774
0	0
17.12271821	20.1143903067
46.7829988491	31.0432214359
0.7724614053	2.4463699515
22.4594059568	14.0321517321
227.5351259222	186.4407535321
90.9151165737	71.2960538234
1.6650037554	1.3391832061
28.9750615339	39.5288687274
6.0808799282	3.6681954552
79.2155167745	71.0266566301
0	0.0343851525
0	0
1.5034024207	1.2557131389
1.646727766	2.0770311012
3.8977216302	3.8474827342
3.1508475453	2.006293779
0	2.1008649655
0.8760166861	1.2250277151
4.2295386466	2.6311341996
0	1.2272215146
22.4042087722	7.9112122507

gene_expression_table

4.7064119006	5.0775660196
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0	0
2024.3210806019	2040.5367828989
0.5670357984	0.4788776343
26.3515312389	22.575912277
0.5557270476	3.5199530778
0	0
44.4714543495	44.3672468983
31.9189143705	26.0641327253
4.3518636007	2.7564531439
98.0494676623	86.0317145275
6.8936821423	6.0856180162
6.784811155	6.7531710322
0.2932527593	0.3980252885
0	0
1.8650758417	2.2068832849
82.3758172611	72.1840521092
9.5277917253	6.8062392731
5.6246609055	5.0894827264
5.1962477326	4.7018324343
3.4658713123	2.5658989978
29.0696511412	21.0429734104
0.8148707973	2.5806796549
4.2547982914	5.7749407757
2.7865957271	1.2607276293
3.485025178	4.3188282883
0	0
60.7229046482	41.625159047
7.1860406704	4.4432380001
0.2212056023	0.6004746476
0.2533735171	0.0458530802
1.1959513157	0.8341637005
0.1905011951	0.3447505755
8.2996507095	7.7734582605
19.532049383	15.9408974799
1.0835542449	0
1.6583525203	1.2697069228
18.5347909975	12.9378083181
0	0
0.3762273216	0.1021289543
2.0418049971	2.4633736891
81.141320195	69.5818450542
2760.1096056437	2380.6588504411
0.8252528583	2.9869250699
0.0189823941	0
58.1147132917	54.5546666937
10.2608148895	7.056230264
18.7843305783	10.9266616691

gene_expression_table

0.222642753	0.050364656
2.742983134	2.4819923394
2.1560599834	0
3.7692523535	3.7354338971
35.4167294321	25.637503942
0.082328307	0.0744948902
2.163882044	1.957991863
15.5446670123	13.940029054
0	0
5.3946038402	4.6690841533
0.7757898422	0.4011283339
6.8542976171	7.6492829623
112.1272968836	128.9623740069
12.3468332553	7.9380357423
1.8087324271	1.3390643517
0.3656243759	0.3308357565
17.399669548	14.8257098784
67.3068675659	59.3411103439
0.1328252604	0
20.4546615569	14.451788367
2.2333866196	1.3670680341
8.6141168748	12.6196607974
0.6095408937	0.0787919968
47.0710296795	60.3390785151
12.9414222185	11.4804558876
2.4670769137	2.6575454625
5.8978801299	7.8983242067
0	0.4682581249
0.0794083741	0.1437055691
4.1747905196	3.9934262447
3.7965282091	5.4964706504
2.6326340505	0
0	0
31.1217088791	29.9773322529
138.0357513824	92.9502165429
4.5171456845	2.7735561758
0	0
3.981028578	3.8506699041
1.8780323741	2.3790765138
5.3179574202	3.4996084544
0.2871691202	0.2598454025
0	0
0	0
3.5915194241	3.2497916546
13.6413631097	6.7327677569
0	0
19.4503595069	22.7760649117
0	2.8065126368
8.797864104	2.8948219369

gene_expression_table

45.8380969611	38.6487149716
2150.8746112719	2063.4915324001
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228.7176412808	255.0846804586
0	0
990.6652190854	1002.9341627898
3.3348703789	1.005854129
1.8107425266	0.8192265246
5.4915217017	4.9690115212
53.0249921522	37.9973799287
0.1018261488	0.0921375411
1.7885958517	1.8051536282
8.7901843779	6.7110282971
38.8062943059	34.1106774887
15.777299711	13.4524910417
11.5485814913	6.649841556
0.4220683264	0.1909545742
72.1812556006	50.0531952263
0	0.456716095
0.371962878	0.6731423189
17.9225696455	13.2686702267
4.5148093538	8.5789870129
0.4485508363	0.5682206413
7.3309966562	4.1459144689
0	0
5.113577004	4.071784379
3.4645661373	3.1349177856
5.000448259	3.3934972436
0	0
3.7322680642	3.3771482695
1.2088870584	2.18772648
128.5567013049	111.2227595707
2.7089151979	2.0186072259
15.5254673134	28.0964840508
0.3646602826	0
21.0721335283	25.1339719585
23.6260029246	20.2910054845
0	2.675957321
0.4548802914	0.8231982069
439.5068546712	667.5484301643
1.4564388174	1.2354945137
0.6701679045	1.5160060452
42.8470153026	37.8303017955
0	0
4.2482940622	3.8440751558
0.936148263	0.8470751382
10.9980837538	25.874244047
0	0
6.0817248469	0

gene_expression_table	
0	11.197485533
0.296365182	0.8044994176
0	0
0	0
0	0
14.7886812732	9.2641569846
15.5513241306	15.8305934302
4.9418288785	3.8455941963
5.5888368914	4.5754418559
2.9646709411	2.4762340422
10.7874734993	7.3207959945
13.3385353338	15.8150672062
10.4952829128	20.4543709835
0	0
14.5135454732	13.4693364656
24.374356596	15.9132257713
4.1582796334	3.2092981924
31.9784630614	38.1616538657
6.8018917985	6.1547018384
2.9799954877	1.1556228504
12.4498205713	9.2170133419
0	0
0	0
0	1.4961847429
42.3104627581	43.7539253802
1707.3472019704	1483.2368310776
4.6205187082	4.8776970391
89.2148413926	31.0485311462
34.2794846735	41.3571231043
1.6319975288	1.1813722992
0.9343616976	1.6909171237
118.9964411713	111.3870057094
15.9454184784	0
13.4388006519	16.2134914871
0.5515464374	1.497202825
9.2308753935	8.3525712313
22.9246708484	20.2924783082
26.8485327116	26.9790535453
2.774368645	3.1379894567
9.130198941	0
24.9283085262	20.1820571209
0	0
0	5.9387473879
99.8985260884	94.8027595298
140.0568286411	161.690801524
137.1347131027	133.8188259094
5.4148389408	5.5120781383
76.1385931259	88.9882363001
35.0804153525	41.9821029378

gene_expression_table

91.7133027203	110.6492232026
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0	0
0	0
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8.1107374011	7.5486987923
0	6.337895076
3798.59495823	4117.9013344025
190.9087672306	160.5298520736
40.992904447	40.1835309678
4.9449442155	2.2372200379
20.8667876255	13.2169405182
3.0524958262	3.3539243609
147.2043893834	112.9012543921
10.455075534	18.9205810725
10.238012383	6.847216113
9.8183431411	4.4420711451
23.353434026	58.111320479
3.9846895292	4.2418261232
0	0
92.099260859	118.0595489411
3.3333465633	6.0323671206
7.818894913	1.8866502956
0	0
0	0
6.9003300737	1.8731321571
4.572285879	3.7523801292
26.6977138412	21.5221058896
0.4287284508	0.7758711436
88.8793437916	82.4432739598
0	1.3731886253
185.9752447122	211.7070650867
30.7575381281	11.9275730553
38.6491600205	26.2288121391
1.11689948	0
28.828409223	20.8683429257
105.1535705063	99.1128787039
44.4858729139	61.5635766348
0	0
122.6398815445	99.8737901291
99.4285427787	43.028204408
64.3679025342	61.0168865029
0	0
6.943100545	3.9265467383
2.9328223343	5.9709793955
29.8420671226	34.3669944602
28.8402683292	32.4438738324
361.1574055511	358.5213662819
107.6513834482	117.2878017103

gene_expression_table

6.779643141	2.8868565213
4.153257802	3.0470930719
6.1618996262	7.1686336837
30.838544192	27.9043022523
19.9378258685	22.049831442
7.2855577288	13.1846953394
73.8918142689	56.0770660884
37.8041986274	53.4487264913
0	0
34.5093446036	42.3779140773
3044.0595980311	2463.5822512007
85.2879697012	75.4190147555
9.9154663724	9.4704701889
26.0456558525	24.3801208557
8.6093968771	7.790225478
52.5120477831	67.5221740804
5.9856647827	8.1242064267
81.3168944573	80.1201308799
7.5802353073	0
0.5002991693	0.150898814
65.7209815664	69.6207538213
24.4389579694	35.1807705587
7.4337930916	6.7264786566
14.3706147368	11.2460730517
14.9865194682	19.7244716681
190.9276934493	138.2089642925
5.8118624207	4.2258795219
125.8643372783	92.3420525299
28.9285630929	27.3141422966
1108.8942389321	766.6309224152
5.5568824354	2.5140766388
4.1186929505	2.2360832391
0	0
12.9527361164	7.3794496609
0.6926584153	0.9848975556
0	0.2682863649
6.8868595461	12.6857266689
21.2986786759	15.5015045985
72.0026418652	85.3277061577
5.2265607332	4.3180210935
0.0458658293	0
3.641505992	2.6360176595
9.9267678233	22.1101551362
84.1236337082	50.7462627923
1.0115338625	0.7211359285
0	0
5.6364478187	2.8560829541
5.7795225506	8.3673752236
0.4975424063	0.9004039621

gene_expression_table

0.9154833349	0.8283764475
0.4895007015	0
3.5091426038	4.3298902733
26.5843060229	22.9857441821
7.4235584063	9.0880005347
76.5076143827	67.7120856392
0.2156219302	0.195105822
2.0987694999	2.5827415665
7.3904819252	5.559312113
0	2.7064033299
0	0
3.0589795561	2.5372619879
24.9128931221	18.5170273934
16.1138319161	15.4299813781
194.5966264411	137.8947941215
2.8426805471	2.5722036909
1.819946725	0
0	0
0	0
0	0
0.0193991318	0.0263299995
1.5263204888	1.4707747345
0.0305843023	0
0	0
40.9926812397	25.0157292206
1.7856031016	2.5661206641
47.6870114352	24.516853817
0	0
0.169616335	0.3836939781
0	0
0.9515849898	1.3453798176
0.357809935	0.215843232
5.6515563634	3.0682914727
1.0228538535	1.2765942342
1.8825881171	1.0220775827
3.5835701471	3.2425987396
28.4473130318	22.1369101569
62.0853527989	56.1780231632
0.4699408547	0.3543555636
0.3186952095	0.1730230986
2.0171356257	1.153867221
7.5322962869	5.5922949074
8.6127850695	11.6899369333
12.9633589162	11.7299144587
2.7944949067	3.4601933641
0.2300309478	0.6244315283
18.5247564487	15.1223773693
0	0
0.262302607	0

gene_expression_table

0	0
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0.0130799983	0
23.2112213055	20.0692541916
0	0
0	0
6.5561909366	4.9885914745
2.5612169813	2.008518172
42.4283763221	23.9946118563
0	0
0.2887576525	0.5225655766
1.1588608346	1.2233630938
5.0880759922	9.2079061506
0.228770351	1.0350159498
0.0154073891	0.0557655951
0.3816190078	1.0359255684
0	0.1073782642
15.2401453582	7.7569132685
0	0
74.9291886229	57.3690505176
24.0623111536	16.5173100406
4.1286125191	4.981041513
1.2420594133	1.4985057257
0	0
3.8820660787	3.1101971255
3.3964068008	2.4585949674
13.9504306619	22.0903686244
47.3003985939	49.063226081
0.2646290476	0.2394499845
0.1719815867	0
0	0
36.3979370242	37.2594892061
0.1488325809	0
0.7717443208	1.3267965778
196.1794817351	125.9771762107
1085.7317783303	988.9063855567
12.1118650068	10.9594389373
533.8458133208	600.2966027529
1.4868091213	2.6906828581
2.8260092795	3.6936158563
27.0698568639	23.4175318281
4.8580529418	5.9942950615
0.1388200618	0.1884173069
0.0681485432	0.3083215497
1.2647678096	1.7395290708
29.689984198	26.8650260455
5.669803426	5.557857503
0.6039859803	0.3903697187
5.3184090065	3.3085045423

gene_expression_table

0.2769641867	0.1253057267
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0	0
0	0
0	0
0	0
3.1751742348	2.7533502162
0.084938511	0.0768567371
0	0
27.1808158083	20.9509566823
0	0
0	0.3222553627
20.8026082807	12.5488472151
9.6278592502	6.9694261282
22.3988607296	17.7341869322
34.5975924938	32.8327891304
0	0
0.2765695511	0
0.2013254851	0.7286786501
0	0
2.7201649197	1.9143796347
63.0736417594	67.2479553415
13.9081117817	11.9758347349
0.947098858	0
0.1576962593	0
10.5898552095	6.2492909508
0	0
0	0.1268216777
0	0
6.0033155566	2.2633787278
0.5827258966	0.9491046985
5.0422110674	3.4218390977
10.1905646789	9.7332223594
63.4325719369	44.0727397278
0	0
187.1945945989	179.4456799338
0	0
2.0301292233	1.7402830348
0	0.3310334693
17.7848009927	17.165443671
138.0237087994	137.810710875
0	0.2426629557
9.9257425299	5.4360637914
6.8575870831	2.9392568521
0.0847341228	0.0511145307
4.3291295598	3.1107329537
0	0
0	0
11.8493922299	20.1036376079

gene_expression_table

3.3652538133	4.1108240915
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5.1146326434	5.1422032225
0.5851940441	0.529513695
0.3984612712	0.1802741349
0	0.4013813944
0	0.128396295
54.6931838741	43.2048642975
11.0833949078	10.0288262494
22.4990291187	26.9747206329
6.975882337	3.156068717
4.8613140204	2.2703314427
2.7777736926	1.7953375912
32.2254177973	42.523857953
4.6581048892	6.0589088137
0.813073277	1.4714211108
0.6779294151	0.3067127162
1.5342129075	1.2494113335
2.0205037956	2.1939070118
0	0
2.0275666816	0.7056333485
0.0536385384	0.145604732
2.364996554	3.3882868219
0	0
25.463925902	25.1357137699
0.4184609048	1.3252573869
1.4549803452	1.7553881519
0.1121190956	0.6087067752
2.6317194895	1.8521340961
7.9325048771	5.0244171265
0.8752284288	0.3959758681
0	0.3059805183
2.0338985017	1.4314036044
1.3793991341	0.9707843783
0.374267191	0.1693281102
1.9771065665	0
0	0
5.2939252205	0
10.9639988423	14.7101377022
2.3912247657	1.8030860503
4.6064169357	8.3362463334
0	0
2.7770183907	1.0769096536
0	1.6477235176
0.5125293077	0.3607044785
1.8477114982	1.9107479746
12.1723894983	22.5528951597
137.5391671536	107.4568001203
1.6711786296	2.7219032115

gene_expression_table

3.6479704732	6.6017429395
6.0887497696	8.0673565371
9.8198681233	36.9090921015
28.9177323233	13.7483701133
0.2674738743	0.5324530864
1.0598618268	1.9180350782
28.7958563553	38.0160919681
33.5694913682	28.4397163381
13.0171520367	6.6745339044
0.4773999283	1.9438921354
0.372775439	0
4.2189745844	6.489827151
0	3.0467704181
9.9237418861	8.1986853263
99.3565510959	95.6240170168
6.2087554485	3.7453343575
17.6261647934	15.9490612424
1055.2862056698	1217.6875425524
0.5338281771	0
36.3329722692	41.4522767277
0.7252240734	1.4764951659
0	0
0	0
7.0788411453	8.4549958203
0.6528946154	0.322239631
0.8810421442	2.3916368557
0	0
1.9333400252	1.5550094016
1.8433649357	1.5885442707
8.9909461764	4.0677354624
0	0.040794755
24.4526110186	23.9698129558
36.1033871198	35.5792311537
0.019397984	0.0175522945
0.2838587892	0
1.0806916627	0.4346068653
1.5735301781	0.6471868661
14.1818667855	6.1372745278
1.3944763956	0.6308970129
0	0
164.1294211738	154.042479144
9.6832487409	7.479672373
34.2745620897	23.6124659558
0.2037347675	0.1843497053
2.8054206976	1.6923260407
38.5794800445	22.214626948
1.961007324	0.8872101865
0	0
0	0

gene_expression_table

0	0
5.4279611091	7.094386903
2.1927022292	2.4800873126
0.8764313532	0.7930402042
2.7697132222	0.7160511712
1.9583313188	1.6243324036
0.8376185038	0
0.2707980606	0.49006405
21.9446509141	6.618883262
0.9189181889	1.9005359548
3.7331169219	1.3136341398
1.2601970968	1.5964076856
0.3215794117	0
0	0
0	0
2.6419516517	2.2456905896
12.2176185281	2.0100236668
23.5420168083	20.9147190618
0	0
0.9902390178	0.2240048094
0	0
11.863702527	11.0811754849
1.3877890811	0.6278714997
0.348544145	0.3153806843
2.842580856	2.3663444064
81.480253586	46.0797048634
44.7233959066	40.4680308303
0.9246954314	0.5148997087
0.4286088015	1.3573955744
1.7534143793	1.6799078016
2.0265220256	1.120595329
0.4976230123	0.1125687294
0	0.1581721134
1.6360235375	2.0354926816
20.2085191114	15.6097510394
58.5116736097	87.2024988002
0.3751879251	0.2489588553
10.6388055328	10.2683081568
0	0.1247798739
1.9673756618	2.225228466
0	0
24.141069838	10.9220413463
5.9402618449	4.9076586414
4.3489499186	3.9351537561
0	0
0	3.0127419999
0.2811877274	0.1908248478
29.1177206997	21.6423531858
0	0

gene_expression_table

1.6596029791	0.9716844865
0	0
846.6680731928	603.6009171053
3.0951677271	5.0921219792
47.9300750095	36.8965246517
7.7884851181	6.7118307244
64.9783579387	64.62674791
0	0
23.4965592144	18.8985744917
0.0831311542	0.0752213476
0	0
0.2175964252	0
0.7102626689	0.3570456804
0	0
151.5228752376	127.4842449664
10.7721755627	9.5689161795
60.6979706135	65.9071780127
5.9758582461	5.4072641587
0	0
0.6681041262	1.2090700104
7.3083405742	3.7788358634
9.6284557236	7.2899023997
0.5181214381	0.2500389058
278.784976637	221.0430014161
13.0771651777	10.2007691573
0.7215267452	1.0683401578
37.8590463978	24.0723558123
0.0598235148	0.0541313957
6.4010198484	5.7919722624
14.3011741891	9.0583070088
1.0738248258	0.6072824871
0	0.748000535
11.5322031886	10.7095345347
36.220551041	26.1243775414
0.2103930673	0.1057635987
2.0309100651	0
118.8484158505	112.6611248075
0.9211735159	0.8335252162
284.7718753692	205.4745974666
43.7620319499	22.1012870145
6.6136194726	11.2206437743
0.0451179367	0.2041251584
14.4675359626	16.3637141004
0	0
8.1681791375	5.35209545
0.1616895651	0.4389151253
6.0196906122	4.3878014516
2.7657304623	2.1158136568
4.9042211455	0

gene_expression_table

5.0108956752	3.0227442343
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0	0
35.5719859064	40.5477182574
20.9326512306	12.0782808207
3.5623283639	3.3635249537
1.396996604	0.31601861
1.8623069932	3.3702224659
515.0707919866	299.2612270697
7.9360449481	7.1809419906
0.8347649396	0.8210198786
1.1805883376	0.8169024887
0	0
1.7779153085	2.0109366155
3.2422350906	4.4006118145
1.0864589998	0.8192366919
3.8985038689	2.3517113219
0	0
0	0
4.8359489253	5.8591428236
0.5299982893	1.1989243369
1.1103544831	1.1482353071
0.5343952058	0.9670965822
12.7111228406	10.4560711574
2.7788822121	4.4701789747
14.7225609564	9.7534102129
19.4335958969	13.4469843112
24.3438118594	12.2375189501
34.7840479692	37.5014093958
2.355704837	2.7128983642
0	0.0545314067
18.8920468654	13.8384019322
6.640522459	3.7554290958
31.2678458293	50.0564152979
1.9151788649	1.6310140462
5.447778172	2.4647150619
2.5939417876	3.9118867617
0	0
0.1153934387	0
41.2005598584	25.5076335046
1.4979086174	0.1936264035
1.4766368346	2.6722740407
1.0164719998	1.6095733326
1.4994920768	5.4272704803
9.4901182878	9.0391026811
2.8264639033	2.1537095047
60.9691438322	67.9977918851
16.7390305978	15.8675906771
108.8810291623	108.5160603174

gene_expression_table

12.8660122643	6.6524743983
66.8989733161	56.8649296574
4.3728127447	3.6523809872
64.8735344942	41.0906394413
158.253113793	135.2402546171
151.7466720658	141.1047404078
3.773209519	1.7070971027
88.9896067565	95.8599727226
0	0
0	0
78.0680863078	109.8844805036
1.3954346422	0.9881695539
0	0
0.1581355246	0.143089163
2.4062339327	2.689586522
15.427786727	39.0875956872
2.6010710715	1.7651872501
0.8047112046	0.8737729461
96.569605567	84.5804723131
15.3344770672	17.449397124
0.4071000281	0.7981243002
0	0
1.7882164368	0.5393567612
51.1254921726	51.4980688369
0	0
0.5383387908	0
186.8154743167	196.1701757312
7.8142419168	10.2132742659
6.9893200333	5.7898489574
4.7260350616	5.7018130728
4.7936450475	5.9641131002
0.3362575742	0.375854495
0	0
0	0
0	0
0.8153888189	0.7378057769
0	0
0	0
0.6011709357	0.1087940818
0.0798322266	0.0722363082
4.5999915061	3.6577867912
0	53.427096088
10.5533247053	7.0444854915
1.8969889147	0
13.3515834435	12.4977930988
245.8737898603	268.6542029808
1.5820380104	1.3664408195
6.3231293288	3.3701944542
11.5794110379	12.7553965636

gene_expression_table

0	0
8.3105092582	7.5197765747
0	0
89.6402365523	65.4510364763
1.7246950656	2.3408893156
0.2917544774	1.055977879
7.0051245679	6.3385973099
0	11.5377385387
5.3345732752	5.4458422117
7.9234865445	3.3961161319
0	0
8.1309970924	6.4376766356
25.2722966827	26.1344856842
11.117978593	10.0601193481
4.8455854891	13.1536055563
12.3466682811	13.4062812321
7.390077935	8.2519474487
2.4004343018	3.7516994484
54.7659618392	45.8843161524
1.2649059697	4.0059321212
7.794667116	18.8080428014
1.1935165576	1.0799552197
14.9250682867	9.3495946704
1.8320242479	2.1550227999
20.9062559577	13.6202807348
1.1850755722	1.4744363997
1.4395715745	1.6747694551
1283.8016039439	1357.1980362328
1.3974983928	0.7903303028
0.6234534616	0.5641327854
0	0
0	0
84.4597508446	71.1529419808
1.7255255348	3.3457378464
4.6576973823	2.5935534489
0	0
582.6822916389	568.8652161614
5.5864931363	13.4798575044
0	0
9.1691044485	10.9273316055
0	0
11.5855409537	9.6890124891
0	1.5076325211
11.928915643	13.4923711692
0	0
0	0
7.7416238815	7.0050198015
6.94252238	8.1665371161
52.8978700178	48.5436479403

gene_expression_table

9.5723867938	8.3991159527
0.6884051103	0.934356571
6.5676605482	5.9427573456
0.1323253241	0.9578781192
51.7662341437	40.9031931182
91.761370489	90.3566243811
70.5100293911	65.4654808504
0	0
14.9912364305	15.6290575733
10.3978725921	7.9793865162
24.620956886	26.6371088222
8.7250675205	7.8948902304
15.2328856836	15.1618490162
0.6000364577	0.3878170535
14.1253344058	2.5562659393
8.927829832	9.8735511203
0.9784499046	0.3541407364
0	0
2.8062600695	3.9499422168
0.9634782312	1.2592734559
9.9137445864	11.6616063575
7.2837997626	4.1192231071
7.9417768448	5.5042686428
614.1396468145	586.4071092281
37.087081616	29.4280481902
0.1888509508	0.5126461852
3.9606887168	3.3501066625
0	0
1.290839228	1.7071029116
134.2844677852	127.4458353931
0	0
17.1998482094	7.2628770908
29.8697166655	24.6774261703
3.2329979536	0.8358237064
0	0.346768812
1.5374014379	1.070092278
20.4916543648	18.5419037126
8.9601174459	10.8101006701
0	0
0	0
0.1204078327	0.3268536158
0	0
0.1801071245	0.1629701976
12.9744321856	12.0194563638
983.6611546089	830.3979356084
1217.2977486056	1109.3979364164
622.705546315	484.6933618488
264.2442570614	196.4050551081
1.7259362082	2.6028598778

gene_expression_table

6.960286368	3.9496091482
13.5532353997	0
7.0318373282	7.2717353034
90.8354828949	65.1872510084
0.3977436179	0.26392586
0	0
0.3769592738	0.0682184311
0.9886202675	1.7891090179
0	0
2.7431182024	2.6594084532
1.2231772223	0.7378624773
0	0
0	0
0.4879182874	0.5396032679
25.3174882207	24.7660179498
2.4943112448	3.0093082843
0	0
1.6050921019	1.1757280618
0	0
4.9471239345	4.9240536375
1.0775045351	1.5599705116
0.137186493	0
0.2188858904	0.0990296106
6.239754166	4.2773111905
21.7537278129	12.1131647605
5.1495690034	5.110523677
4.4755375756	4.0496967844
82.7597545651	66.0752524692
0	0
5.5236915482	6.9973686361
20.3251329107	19.9238287397
6.1854537177	6.0274490023
57.028678305	58.802830354
0.4881577191	0
37.2730203615	37.9423659557
12.4250926299	9.6921236333
1.4422674755	2.1750630917
0.8423577788	0.38110434
0.4535123101	0.5129516044
0.3856657816	0.4459064332
32.4518784245	20.1155851969
0	0.0758342645
0	0.6506893116
8.7193511036	5.5520235823
1.9323620228	0.6556877362
6.7165241259	3.5185276059
1.6327140012	1.7046503943
11.1601666811	6.7321955346
5.478462197	4.7627948206

gene_expression_table

0	0.1532513256
0.8859049922	1.3627411488
0	0.03095941
0.1939780351	0.1755213115
0	0
0.2044957764	0.3700766104
3.6636191361	2.3481470897
5.6302767637	11.6447182719
1.940699059	2.0753252112
0	0
1.5629413934	2.4749021988
0	0.9381634056
0.9351162583	0.3384565309
0.4377323785	0.3960827891
3.4135386637	1.7458126743
0.2821870455	0.3830060473
11.2753035153	11.3732508602
0	0
1266.9915571702	905.6595920727
4.6983870463	7.794127838
6.5757437526	4.1192802313
1.1137205879	1.1517162499
19.4536400851	16.356449298
7.2435713754	10.1294596681
1.5614240558	0.8073467787
1.8999591724	4.1751535241
0.4918225986	0.4450264046
0	0
0.5381296439	0.5193892298
0	0
44.3017952664	32.8915239947
0	8.2995612594
3.7578835158	3.8083656225
0.469205358	0.4245611611
0	0
9.1633758337	3.553497495
2.3494457178	0
0	0
16.9520424954	9.2034484113
0.4044368096	0.1219850815
0.0597686194	0
1.9472161514	1.5661701423
0.2116648471	0.1915252494
0.1088688424	0.0985101328
2.0666048335	1.5583086962
1.2375380448	1.1197881274
82.0172223571	69.0656541472
1.3831686307	1.0727675812
0.4267596206	0.1930770364

gene_expression_table

0	0
0.4733861791	0.2141720916
7.8920821232	5.8992209178
0.4506326409	0.2038778053
1.2814408093	2.7055317535
0.17623397	0.318931136
0	0
18.381515873	11.7406177286
6.3451586969	5.9710832657
0.4894432281	0
6.2371271393	2.3087756056
2.4156867722	0.9367876042
3.5022443018	2.3767581963
11.3890457943	7.1825479645
109.9094916548	84.5082362494
58.2730203081	46.9892798011
0	0
13.0398772949	6.1355591579
10.1907228524	10.1431996841
25.0005752089	24.632634721
3.8629668545	2.4967223306
0.0998088515	0.0903121866
2.2843951335	2.480445972
2.8481372803	1.5462847344
1.4996462029	1.6283484975
4.2705441652	2.7822298999
0	0
0	0
0	0
12.1216493191	13.6272722351
0	0
0	0
309.6780260207	222.8964016003
1.6767130014	0.7585881177
42.4546114509	38.4151178652
0.5077451856	0.7657233016
10.151778457	5.2995298432
0	0
13.5595333715	8.7638312821
3.4667509893	3.2794808772
86.3317035961	201.4605844673
0	5.9872269584
0	0
0	15.0705884057
0	0
0	0
12.9920373177	17.6337962289
0.7302331285	0.4405016831
9.3159915571	5.8640617166

gene_expression_table

0	0.4104793061
0	0
0	0
9.2797315362	10.0115439349
1.7878379488	1.7647939725
18.2622023286	16.9594381334
4.6196934214	5.1447832792
0.5742817239	0.519639666
30.1322963811	21.8122023021
0	5.247152402
4.3093179868	2.7295049208
8.7281676297	6.9403989605
0	0.3785798189
0.7364872495	0.4442743835
0	10.3442393288
0	0
0	0
3.7103894459	3.7952667654
91.5069989016	80.5129435542
9.0783591244	7.1877458274
0	0
3.9597918553	1.482630417
5.9429316855	5.08679643
1.6179648443	1.2742377832
1.2506835935	1.2259898046
18.0674373496	16.8932922787
4.2705441652	3.1686507193
3.6505707687	3.6105010348
13.2560778619	10.1008687401
0	0
205.2751946601	169.7862122483
550.3167234846	551.368747308
18.061708382	11.6122477512
3.5758562007	0
0.9478483885	1.013600562
7.2894285393	5.9523525999
0	0
4.2936706199	2.091995339
11.4620050831	7.1303459051
5.3138489405	2.1369973604
3.4842999138	3.603170197
1.7087178118	0.3092271671
2.4045747566	0.2719728774
85.6460581601	104.8488312145
5.1247129989	8.2437406663
1.453979177	1.879478865
0	0
0.2948926157	0.3557786918
0.0553135607	0.0250252785

gene_expression_table

0	0
0.6930485421	0
4.5316676103	2.6909440223
3.6170110174	4.1456198298
0	0.6905447977
5.0602588487	2.8918627527
2.9584686402	2.3423528782
0	0
15.0374211881	493.2404378476
1.0401706691	0.941199966
6.967297976	10.1839820854
0	0.8184393195
0.5887004623	1.598059448
273.8219083253	191.6697072159
278.9883594258	215.0440617544
0.4993132471	0.2259021645
0	0.034250893
13.9952593839	6.3318155604
0	0.1876726909
0.7419548768	0.8951452879
0	0
2.4408294283	1.4198066438
0	0
1.2137534251	1.5863850587
0.3395607557	0.2048347008
0	0
3.1980662424	1.4468874811
0.7748510533	1.1218001917
18.4542702551	16.4453680302
7.1676404352	5.8960454841
27.032278421	30.3899417875
4.2043853114	3.8043442578
0	0.7140372894
9.9013287054	9.7737075279
1.7341933764	3.3999061147
6629.5062595361	6551.4617493249
0	0
2.5214115542	2.1592795949
0	0
6.4873534494	3.2145738338
5.2837914716	3.1873643439
2.4784476289	3.0581277232
58.3516159561	58.4692957591
23.2657238982	19.9440233303
0	0.098014993
3.1963928074	3.3372239446
5.2458635174	5.3400682692
5.6719157345	3.5640564779
0	0

gene_expression_table

0.3268162513	0.5914403353
4.0298653192	5.2810359508
0	0.1023929905
3.3542933346	3.5409934901
1.2573481098	0.9480944116
0	0
0.26781756	0.3392691605
20.3989981456	18.0653388385
0	0
4.5167067952	1.7338570724
0.6384936121	0.144435472
0	0
28.8835777506	14.5196377671
0	0.108735837
1531.463719137	1486.8189811294
59.247247566	64.3319513425
2.323584097	1.2367638244
1.7028413148	1.5408184783
22.6050071996	25.7900456623
10.1632406562	7.2256040341
110.6744748095	70.1007733772
0	0
0	0
0	0
1.0019497247	1.813231376
5.9934028714	4.466114832
24.1322226534	14.1292264912
1.0274754447	0.4225966697
0.597567468	0.6758872574
16.2669703756	9.5994731519
1.1410963482	0.5649652596
0.234645314	0.0424638318
0.3655556702	0
0	0
0.3997002372	0
5.4236117274	3.4352941565
2.1407633667	2.6207456797
0	0
0	0
0.7036779159	0.1591810003
78.1577787509	55.9190737603
0.5416323117	0.3920774377
100.0528376086	49.7043690216
19.1206442438	22.7649252369
34.3251823353	31.059191925
128.5639281591	125.1442345098
0.6317136261	0.2858035037
0	0
0.6933548408	0.4391682061

gene_expression_table	
0	0
0	0
0.9611052276	3.0438011957
0.2208489999	0.5328947833
10.4663256153	5.6822821134
0	0.2711684388
0	0
0	0
0	0
4.1882928945	2.526522007
12.7118779418	3.5944879774
2.7254155494	1.918074888
4.8988858882	4.2554535651
1.078900244	1.3016593053
42.445429528	53.2304904826
9.118508189	5.8359993271
1.4696810193	1.0276059859
7.6729202775	2.0828559732
5.4020003744	7.4162880244
1.4502559134	2.1871103415
3.906895726	2.9827915597
1.0292083739	0
144.341688838	78.364674179
5.3907172474	5.0256105366
0	4.6557056886
5.2761732193	5.4251740102
53.5680291688	36.2789905303
0.5000145506	0.3619511236
1.5140834894	1.4754068875
1.1163297642	0.6734084237
5.4174054679	3.5650526092
0	0
22.284176199	24.7465674098
0.4429949958	0.4649798244
5.9921178326	4.405356044
0.6355662096	0.4792441861
15.5752770269	13.1937392852
0	0
0	0
2.1092722104	0.7031603432
33.3264861317	28.8990401825
7.2368197515	3.131770323
0	0
0	0.3247843791
0	0
21.3082423022	20.1989275856
0.2718293147	0.2459651569
3.2179219029	1.4558706929
4.2024649873	3.2593771283

gene_expression_table

0.1284652723	0.0774946609
0	0
0	0
0.1747984537	0.070296284
2076.498399075	2552.0083475148
0	0
0.7994464668	0.5787042528
1.0186785793	1.720605258
1.3496316425	2.1981891325
0	0
0.2211016838	0.2000641851
1.713277603	1.7440444903
4.7633228559	5.6218692004
1.1074823681	1.9271289542
1.0984835046	1.9879288425
0	0
0	0
11.3416269284	10.2624878746
1.4912160576	0
0	0
0	0
2.6187731078	20.5365395194
0.9798890431	1.7733080954
0	0
0	0
0.8152236636	0.9835417812
0	0
48.8506403161	78.5823538295
2.3909635224	3.6057781234
25.5535552539	24.9719459836
2.2033656661	5.5064611071
0.4623154096	0
0.2278824186	0.206199743
0	0
5.0950722772	5.1865691333
21.3083592949	23.8474294107
0.0848502879	0.0307107633
0	18.7260077211
0	0
6.3373039017	6.8095035678
0.883947458	0.914104186
13.1789670758	16.1839391847
0	0.2207554043
0	0
0	0.1287770364
0.2357417662	1.5998346393
3.7786982858	3.3051886998
0.5775202035	0.7465285843
0.3325596715	0.4212839538

gene_expression_table

2.273767876	2.3145999979
9.7311440393	9.7321074283
0.3358591632	0.3039026598
0	0
2.8199706036	2.041323652
817.6897882478	735.5861390726
42.0590350853	40.0601894807
0.4455841203	0.5375832657
0	0
0	0.2773844485
3.1668074939	3.1259895681
0	0
0	0
220.5046535176	203.8147992393
2.7475533704	2.4861277246
22.3888356641	18.0076186781
0.0627227224	0.056754748
0.0107642974	0
18.1130451989	9.6409504096
0	0
5.3877614135	4.8751238713
0	0
58.6993836253	44.2618532969
75.1351403299	41.1495074125
34.2681983026	24.940919653
3.2226604125	3.888038711
1.4769864959	0.697280041
0	0
1.1759266486	1.2160445308
17.4169653628	7.2737385363
0.6434850335	0.2911291914
14.2011644804	8.8961155279
11.7133100571	10.0409740129
7.4983495869	3.1314889369
0.4566957119	0.1652967157
0.4383636664	0.7933080217
16.3933234919	11.1251422275
3.8618469846	4.991997067
0	0
0	0
23.9355671108	11.4306814356
1.0235285222	0
0.5887123394	0
0	0
0	0
48.8811910605	49.5378440651
1.0869446404	0.983523463
20.6666914605	20.1169746422
42.7397092375	27.710638588

gene_expression_table

2.0669502539	2.7562065109
16.2365450547	18.3645772121
1.1127043725	1.7619563405
3.1343378835	1.0313128227
5.3404311522	0
0.2144650582	0
13.0402717635	10.4380273358
18.7228521934	13.4534650678
0.1382760383	0
0	0.3109240566
93.4336053667	68.1179345524
10.4989622747	8.2333346493
201.044105028	190.5776770038
126.307931444	120.5893626046
0	0
5.3987662842	4.2988718474
55.2569985902	69.9991274833
26.5102746111	25.1485640882
2.4155058483	3.2785110507
5.7551798137	3.0632840902
0.1681455647	0
13.2918839123	9.3544739451
9.5684462091	5.3597283271
0	0
4.185157782	3.7869461994
229.1307905716	187.316850215
8.5774403838	5.4785714808
0.7126487524	0.644841276
0	0
2.6529080415	1.6944619475
16.7158111709	10.7808177694
0	0
0.3579357544	0.2878921741
0.8482838401	0
7.0648964922	5.6823840212
0.2621298111	0.8696913377
0	0
15.3396557522	6.4773847413
3.8495927712	3.8499738831
0.3190594724	0.2887014348
17.2582861811	12.756884123
0	0
0.1718916551	0.1076790586
0	0
0	0
3.3239299011	2.1053640157
12.7019178233	10.9186816447
0.2784686958	0.0839909369
15.8814555226	9.0480034888

gene_expression_table

1.3571831267	1.8420737346
7.9092902619	5.6961752237
37.9371371007	34.510067478
0	0
42.0723673059	46.7432485766
0.1187322627	0.1790584388
0.36420514	0
12.4288235845	11.2462393744
1.1484165381	1.0391464004
0.082764035	0
0	0
23.8124985053	27.8840610363
40.9833087296	37.0838074252
11.4042933518	11.665173204
0	0
0	0
0	0
0	0
1.3670318855	2.2265294766
11.4420609021	8.7356523128
7.0467768768	6.9076436684
0	0
0.711883772	1.1272608942
3.3955313256	2.9327946463
3.9615288545	2.1355035437
1.8278012487	2.9769995863
0.6251882776	0.6010589447
0	0
1.0688530503	1.2572992393
2.2410174488	2.2617634804
0	0.1644494257
0.2724058609	0.4929736909
2.3916951474	2.8133675518
0	0.8725601747
4.1345450958	6.4619850432
1585.0745074106	1514.3085627295
3.0900228537	5.5920234847
0	0
0	0
2.1787819809	0.7510377497
5.8953131698	4.5723281379
2.6646885257	1.607431565
0	0.0442860057
0	0
656.898341818	594.3954346534
5.5228512007	2.3796952689
0	0
43.1376745727	42.5816602251
3.6105961315	3.5937585656

gene_expression_table

1.0155610558	0.4594659605
16.3917448326	10.5943532271
5.2414449777	5.7681841965
68.6330493384	70.1159697295
0	0
15.4857539141	8.1271382325
0.4038792715	0.2923606042
12.9221115139	14.3908820748
0.4411764429	0
0	0
5.1759819454	6.5568928696
0	0
3.8040759789	2.7967255608
0.4445592344	0.2475446645
1.7927107478	1.6221369675
0	0
0	0
4.8209097248	5.6452094259
6.933849677	5.0416908104
0.3960062402	0.2388845542
1.3493695175	1.3736013756
0	0
1.0608250924	1.2798522018
4.1408201211	1.7632128007
1.0796786809	1.4654232732
4.4570208974	2.6886279606
0	0
6.9052819913	8.5731865538
0	0
35.5565992878	32.1734413729
0.1052647149	0.0952489327
0.1440698357	0.1303618035
3.2499281573	3.9635552636
0	0.2854327476
0.4095627299	0.3705934409
1.5438546382	1.2064647198
76.5159319685	52.6190210664
0.6138874295	0.8023555903
5.2221181556	3.2587871205
52.0498919975	38.534254067
0.8787399826	0.5504740414
0	4.8643461471
0	0
0	0
10.6471567707	6.5095240047
1.1095278702	1.2153174964
0	0
5.8929093817	4.9767272391
3.6004091242	3.2578355129

gene_expression_table

2.103465573	1.522659144
4.9331210624	2.8695483502
1.0257712875	0.6961279982
3.1336035025	2.4656050059
1.9834869721	1.6238314857
13.3313557369	10.0524141044
0	0
9.1521534183	7.9746232567
3.5370790101	4.9786040353
70.1195378265	75.1973538959
9.1144042672	10.1503780439
44.6646419475	45.732612911
0.6844008776	1.5482028618
2.675602037	1.100464752
25.5294101623	23.1003244853
174.383162244	147.7723944523
8.9775106344	9.2837871484
0	0
4.0072790884	2.0144402227
3.2680161066	0
6.2366221955	8.935093272
0	0
1.6330935648	2.2165606856
7.7952223906	7.5237530577
2.3186629674	2.5642779679
3.738265798	4.6287872905
0	3.7644241355
0	7.5288482711
1.3082693724	1.7218755979
7.558662857	4.8061121204
0.1426161296	0
8.2463217359	8.5089520354
2.2453727511	1.6931073747
15.8136785846	10.1243139763
0	0
12.8433608343	34.8640020511
498.5628900272	451.1253672823
3.2407947374	5.8648758078
18.1993124664	10.4794293931
0	0.0417996538
2.0814691359	1.8834204213
19.7488047874	17.2199266236
4.1082731069	1.7157124558
196.9225858325	174.736937251
0	0.1460040858
0	0.0783022369
29.4428365105	24.0797215864
3.3552984819	2.8520439507
1.7685893105	1.891276222

gene_expression_table

0	0.2180031613
0.6740457789	1.8297339553
0	0
1.6270835182	1.2990608155
3.6959311753	2.0065612691
0	0.7943342625
9.6290195661	7.5763761511
4.1689850198	1.2574374172
0	0.0532321342
1.0745365965	1.2500948908
0	0
62.5094918166	60.1259745756
0.9479571188	0.7223245464
5.3391430919	5.5997206152
1.5334037529	1.4505709525
13.7711545983	12.0261687754
0.5183153188	0.281399029
2.3585291567	1.2449025111
0	0
0	0
0	0
1.8129800791	1.1847894513
1.2115472624	2.0098289375
0	0.4837343291
161.345055455	158.3889702308
844.9840487112	2663.3046405997
0.5910415594	0.6536503451
0	0
12.7909452923	0
15.13884089	19.4060702583
0.1713856209	0
0.0873933518	0.3163120138
1.1713522381	1.2442302028
6225.8928682264	5568.7553861515
0.2222400291	0.402188437
20.1585650546	27.3607610375
0.2988490141	0.0450689953
0	0
2501.1527841852	2131.1534358559
0.9403385533	1.9144501392
15.2076194996	7.1794627626
1.4682003958	0.166062912
1.3344684821	0.9233791234
44.3412895324	48.1467375761
3.5228921665	4.7815412689
3.5910452898	1.2997450534
9.3853563841	7.5487587411
1.9974067914	0.9036782424
0	1.1706868354

gene_expression_table

1.0871219417	1.4356467647
0.0311917331	0.0564477714
1.3852909938	2.8203358532
0.7283902165	0.6136308277
0	0
2.8824295896	2.1734755589
3.5019640943	2.1125049214
0	0
0	0
0	0
67.8983304294	64.363519059
0	0
0.1890124225	1.5392535268
0.5180806558	0.2343930232
2.1463372861	3.0625682683
0.6667607124	1.2066388304
0	0
1.0891586366	0.9855268007
0	0.2591288092
6.5032573692	6.4729302374
4.3486915767	2.8617599964
0	0
1.4182454175	2.3099426287
5.4513402526	2.8773810787
1.3992127653	0.8440531579
0.4752066284	0.6210987169
0.4272344922	0.7731675223
5.2564157227	5.0733605643
6.5790130352	5.9530296603
0	0
0.5578668049	0.2523933011
0.0971037027	0.0292881429
6.2030910776	6.3144856371
1.4569013777	2.0506567869
0	0
8.0977898548	8.3042700561
10.2771011325	7.2327501059
2.642328628	9.5636598443
5.4205498044	4.1050980666
1.2611066325	1.8543105729
1.7878039747	2.0934903215
28.3639655801	22.7674949638
0.9525401781	2.8730246226
9.9435385644	8.4169464859
0	0
1.6090989666	2.4266592936
0.1656098016	0.0899113641
0	0.4733113003
3.4937320384	2.1075390628

gene_expression_table

3.9467256124	2.678400374
7.2913832622	2.1992063041
0	0
1.2238954708	3.3223308724
40.4904474776	24.4252274623
21.3679817044	32.8692446598
12.4811467283	10.3828111412
0	0
472.9780141188	509.7061635604
1.5907056106	0.5277625176
0.1110591139	0.1004920032
29.9643083147	34.8353764014
0.1635372543	0.8138730931
6.8365730032	6.9200252497
4.2199226369	4.1121265551
0	0
1.0264929755	0.9288236848
0	0
0	0
9.3111346314	9.7554876983
0	0
0	0
2.7805416046	2.1805135534
1.3902310602	2.1385194673
0	0
3.8776826393	2.5062334732
0	0
18.1173936733	17.9236151256
0.6201410255	0.9619466104
0	0
13.2350249156	15.8502333169
0.1219384536	0.2206723796
2.8932672578	1.4959869433
18.1618978105	10.955880036
0	0
1087.1589472967	1040.3028918437
6.7638549684	3.8251775978
1.228100557	1.6163616037
3.6627760438	2.8043808795
0.2349597061	0.212603637
0	0
1.4641890199	2.3847724744
3.9423456093	4.0768425672
22.2482094226	15.8174697611
2.1627717029	2.1075246437
0	0
0.8964521715	1.0815414282
0	0
14.9095482269	9.636376236

gene_expression_table

0	0
1164.3103019257	1095.1928411079
0	0
2.1484159395	1.9439973355
3.938335974	2.2272557012
4.9506304166	5.4750486306
30.9275207371	22.9875248086
13.8373921012	14.9183817426
0	0
114.4983471906	79.3018260416
47.9758975593	34.9946314138
0.8023569021	0.3630069139
32.0614658079	26.4881807969
13.9384360236	21.0203573654
4.4454024805	2.9050876105
5.5239215931	7.080965532
1.4679972741	1.6603993766
46.1256572888	36.1719532311
11.4858545783	7.1109948524
10.0494027605	9.093216928
22.5155214626	14.2138624498
129.8539755031	150.7745212906
0.3330911353	1.5069900282
24.5361010526	12.1099239658
0.3279707045	0.0847899361
65.2584756892	61.0645601132
0	0
0.047120031	0
0	0.7560322668
3.5093344336	2.1169509631
0.1948934518	0.1763496277
0	0.1113224059
1116.2599073335	1232.5272726018
0	0
1.0943637795	0.7426775114
1.279234909	1.2732693561
0	0
5.6254078916	5.4295025471
22.7259468968	19.094777566
15.3304624653	8.7340910078
0	0
1.648873584	2.486642829
21.5351408232	29.2291559631
1.9008271388	2.345408514
26.7077419859	41.4283539017
30.1933578504	27.6753161842
75.9459347425	60.4479644842
1.3654409572	0.9448103803
0.8116635369	1.2065717035

gene_expression_table

35.2623710784	26.4374013643
7.8472110372	7.1005604952
40.3458220747	40.3097867553
18.6335350035	16.8605816646
0	2.954752785
1.4926908476	1.3506635177
0	0.9303619058
44.1940346923	45.4420881294
26.2438419902	18.8404198451
11.963313123	12.268357752
0	0
0	0
66.1430656944	82.2932696696
15.2456195483	27.5900427238
0.636916471	0.9605246823
13.0600256697	7.954008134
10.6024692303	38.3746397598
2.0081503607	3.8254269882
2.2709798117	0
61.0143561223	27.6044651194
10.9057365699	11.5127504801
4.6047208167	2.0832942155
35.3503605694	55.2499721198
0.2867373761	0.5189094764
0	0
337.2031542855	348.7071681282
38.7557729466	35.9674034692
21.9140447064	22.6616636727
5.227537767	33.1110168769
9.0041874431	13.3321946802
12.9393646718	15.0534041543
145.3928579861	169.1472114698
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
464.0846306168	304.8789884522
0	0
0.0954571845	0
0	0
0	0.1900966974
12.0607966556	8.8828613547
52.9518402259	80.9573789781
3.5309917492	12.7800923943
0	1.0863919884
2.530097095	4.1208517667

gene_expression_table

10.385520057	11.5659731202
4.7131599392	5.9705936234
3.9456582808	5.0578325229
58.8926209241	80.9993940175
17.2455538365	18.2054423319
0.9973380209	0.902442781
0	0.124671465
0.3817429871	0.9499069404
3.6108962851	3.2673248359
24.4019764306	26.2859100099
0	0
0	0
0	0
0	0
19.2409238197	13.4361158866
7.3227874271	1.8491260513
15.4092403157	12.0976670212
0	0.4428325753
0	0.0668752112
0	0
0	0
1.2385027595	1.5689254712
0	0
100.0297799748	96.9772437073
62.051500371	37.4315944959
35.060214677	20.394184516
0.9747499938	0
12.5823816377	9.7248468923
0.1759534239	0
1.028998677	1.0345455249
0	0
19.6926396475	10.8893363735
0	0
1.3885242974	3.0153798264
235.0650120618	215.9948776808
0	0
0	0
0	0
8.8901219968	4.0221200085
9.0380889694	25.7026884738
3395.2857796782	3921.2904272811
27.5972046192	29.7104637268
0	0
33.9369441545	44.7823454659
3.4773420503	5.2441301489
21.740281061	31.6152730004
0	0
1.7052428597	0
6.572325888	5.4895188787

gene_expression_table

62.0071719674	67.6519891723
8.4743145693	8.5881555786
0	0
26.9204781784	24.3590344339
0.5323090192	0
1.1070228452	0.6374398903
0	0.5085648693
18.43575677	35.8654867364
30.7057864583	32.4706637762
0.2804728594	0
3.5871311034	3.5163059491
8.6770456848	3.5688352734
0.8237600556	1.0320653115
21.2612621031	20.1127518843
14.0554116715	11.2505915446
3.466807154	2.3527091796
26.3288556267	15.415337814
4.5952033725	4.4178500923
20.0787698367	16.3048886876
26.3715461505	14.9139577986
0	0
0	0
0	0
6.5265300415	2.952770173
4.7312165175	2.038594406
0	0
34.8038355815	28.8679435199
5.1448925916	5.4312576023
5.3645032003	6.472104857
0.2167655837	0.1961406585
11.3627576069	7.5231278051
8.2609212892	7.4749068277
11.0724433227	8.5616197182
9.0467354068	11.6942169891
5.8608276984	2.9081947149
0	0
8.3463057838	5.178628878
2.0992889076	0
24.1488316491	15.8232146744
176.6452672601	146.5179200257
0	0
0	0
115.6074961801	70.9204160266
48.944994506	62.4057485124
10.2109519316	7.5595049461
24.1824164217	16.2085149704
0	0
19.0986784996	13.6644161184
4.8659883796	2.7518729819

gene_expression_table

0	0
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1.4062359685	1.3316177017
2.0121442432	3.6413833798
9.9741021185	10.0868552699
0	0
5.0673119416	5.7314558667
0	0
673.087837376	667.5627940759
0	0
1.405544887	1.2718093666
4.0895611235	3.1589168235
0	0
1.7708052428	1.6023157389
0.4512051803	1.224821021
26.6988628048	28.0973921917
14.0694868927	4.2435986639
2.8326383256	2.897436577
29.007881519	31.1692915096
17.403761046	19.3620723973
0.8795549739	0.9550399404
5.8518230854	1.9856365351
0	0
17.6261647934	15.9490612424
0.6023639453	0.9084165091
0	0
14.805015342	14.4268276871
1.9271705888	2.2420326255
0	0
9.2911811552	8.4071389888
0	0
1.4910913659	1.3492162244
19.3857143981	12.5294230718
1.1761907298	0.7982084391
119.8542124259	177.2235974163
633.0397026089	913.7634036207
12.0778625064	13.1144060696
6.380285114	4.704097369
25.2483398571	22.0582045837
0	0
1.0182188504	0
21.2500843413	21.490307867
1.0371096039	0.9384301566
3.153754749	0.7134199105
1.8604072615	1.6833922579
3.989761178	4.2870427863
0	0
0.6110653385	0.8688795876
79.9455227822	62.0047065833

gene_expression_table

766.4570758291	511.8910553396
38.6662312043	75.8055922101
119.8907479503	148.1089642811
11.7259858612	9.7260859873
0	0
39.2258580663	30.1695392576
34.7934608293	31.4829144118
18.9727671102	35.56132527
8.5979210636	10.5583564181
4.1064052653	3.7156868684
54.2633487968	78.25355737
73.5846398826	61.9912272992
0.8385813667	1.5175831759
1554.125778161	1741.7205898061
29.9502654998	23.2290359707
0.326867504	0.2957665437
1.0784284062	0
3.2352254355	4.3910977693
311.3929655722	316.9849328329
450.1350799754	371.7156003221
2.3968225238	5.4219210002
0.620079528	0.4488639013
2.990991781	5.4128066598
0	0
2.2818357691	3.4412041089
0	0.7075128189
0	0.5229899554
3.0959678113	1.6808346276
4.1702700994	5.1052897841
198.2441022065	185.7879496566
69.9076551766	65.7464404943
6.2382946699	5.3476390841
0	0
176.2159623317	184.8482730953
49.7215693426	64.5698934625
1.3524966774	0.6119043079
10.8343591679	11.2451749943
4.4548407121	2.4679403247
4.2414409595	4.9666606203
8.854770784	7.0696344882
38.9269624012	54.1489746203
5.7544740452	8.1823411019
0	0
0	0.7382338223
0	0
3.6242588162	5.4656932365
9.3034005469	7.365921258
1277.3356328462	1242.8150001841
16.4766323069	11.1816788058

gene_expression_table

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0	0
3.1564422119	1.9040742644
0	0
253.5931270176	252.4105270166
0.8681276264	0.976600594
0	0
13.5854496568	16.1747555052
420.3762311349	384.4535326682
0	0
6.0774182146	11.5482377769
21.0912556365	11.8455230537
5.6881317379	5.6616058432
1.2569328812	1.5164500983
41.3209672979	47.5864305373
10.8275012302	8.3276884058
18.8849417875	15.0606696296
0	0
0	0
35.183259461	14.5913277947
2.5253730905	1.3268250408
18.0466938916	13.8173349074
3.0459146127	2.8709378492
0.6286453254	0.568830651
0.4398238875	1.1939258823
1.9199571992	2.1944540298
37.6406442355	36.110951107
0	0.6281005191
10.8564671555	12.6302018628
18.0959880339	8.4903163309
14.8047264411	12.5030066773
4.0170864283	3.6348665868
13.4741949483	8.1280967978
4.5310738844	3.5142419104
0	0
0.6749282011	0.1221419559
0	0.5649777654
5.3985836428	5.5827615788
74.5931140749	57.853448078
61.9251792023	45.0462094855
0.3827804048	0.3463594145
0	0
3.2635569963	4.4295515513
1.3193656015	1.1275060288
3.8650866461	2.6229970195
0	0.9985353405
0.5373738364	0.6483246792
0	0

gene_expression_table

0.1525491809	0.2300572527
0	0.6383660477
4.477675518	1.6206525219
4.9388762858	5.5861868757
2.6975332012	2.3391641131
1.0692081423	3.8698982661
68.0823980763	47.7434552898
0.4858763803	0.8792919205
8.3327119944	6.5973834091
20.776159356	20.8135533105
8.8258677956	6.3123660784
2.8086209949	2.2590087599
15.3019303182	16.2539697661
2.5610071806	2.3173311293
0.6626408554	0.8565593665
0	0
5.1045422576	6.9282788997
7.1519891705	4.8895686827
5.9761920307	3.9327754067
2.3440582614	1.3497429142
56.3378473665	45.7489347047
1.4230290296	2.2240880416
7.1225832982	6.1584409037
0.2508506291	0.3026434163
98.6824986587	100.11639914
8.7714523429	2.8345934305
0.2104375744	0
7.5991683982	3.1255085214
0	0
20.7061314994	16.3939769564
7.2883160312	6.9419405513
26.314551858	25.4528825638
50.9456762828	53.19031202
0.1226014076	0.1109360647
0.3421853905	0.2709235864
0	0
3.3439148725	6.5557836725
0	0
0	0
0	0
0	0
0	0
0	0
63.5732370708	28.7621687219
239.1812771762	180.3529432152
4227.3757527575	4569.8661150076
0	30.1411768113
0	0
0	50.4528743058
4.3666465867	2.9633749592

gene_expression_table

0	0
5.8127720748	0
0	0
77.4008377069	0
75.1096932188	101.9446752383
0	56.6602379543
102.9886440547	0
0	0
1.3487614054	1.8306431241
1.2174614409	1.1016217827
2.2480828825	3.0512716741
2.2543352762	2.0398386037
3.897333558	4.2318096303
71.3035178177	47.6212355997
300.4387728751	314.329415318
0	0
0	27.4466433334
29.2973050356	26.5097097256
11.9227650425	27.7414239996
0	107.0419090002
30.332760723	0
0	0
4.5640794277	1.76992029
0	29.143124599
93.3265964248	56.2978057286
0	27.9108571741
0	0
0	0
0	296.6704594012
494.5782341609	522.1064864604
0	0
0	0
93.1280291984	0
18.4684277313	16.7111841055
0	55.2378052023
29.9590511453	27.1084916701
0	0
0	0
0	0
1.8593166698	0.5608018115
11.5172544267	0
5.7283305488	9.6261069473
13.2848239542	12.0207925731
11.5951868023	5.2459609505
0	0
0	1.1771587555
0.6588420821	1.7884626927
0	0.3944850129
6.0586796399	4.7969295668

gene_expression_table

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32.6694960297	33.9637500687
0	0
0.9440958915	2.1356664041
0	0
1.7148634118	1.5516966906
0	0
790.3838105222	746.1066590242
159.0197047166	230.2227434264
71.375822858	72.1826973881
1.4083067479	0
0	0
12.0570687207	11.81901114
0	0
2.4943112448	3.7616353554
92.7691543267	137.3601375609
188.4549146417	288.7901503234
26.9886383791	21.978638363
10.9589819037	16.5270849316
70.2698916113	66.861331441
28.8467753009	27.5521609648
260.2668863737	253.7353572379
0.7301600394	1.3213727798
4.7278217459	21.3898824422
8.0506966133	7.9469287846
168.6345443409	133.0853316615
77.836704902	109.5588003598
23.2709096538	25.4132790957
3020.7506039385	2377.1387585529
23.1236472156	29.6415773013
237.4121848894	1396.3479795857
0	0
37.0682365542	64.8464139325
15.4807992818	21.5504986016
0.5775495965	0
10.1576352522	11.6978288739
120.4730712692	97.4134027795
0	6.2302196524
1718.2506213669	1617.1079424417
3056.1423073033	3612.9283387881
0.9393547455	2.549929586
7.1854508287	12.1908108625
20.2358639497	22.6187928784
0	0
2.4359392116	2.2041631928
1.0591693581	0.9583909578
31.6030135186	57.1920669026
62.4841880417	63.6062735494
192.3259189597	164.3582589067

gene_expression_table

0	0
939.4808889413	1133.454226287
11.0866701427	10.0317898506
28.6825076594	15.6927591792
5.0301871773	4.5515722956
35.3698373521	74.6770489725
49.0664657629	31.3396687083
55.7005312632	119.7016814239
0	10.7331995474
37.3374623523	54.6992938184
0	0
0	0
0	4.2765906846
0	0
67.7766703674	44.9737348643
162.4004664709	242.9545258201
1.2837145667	1.1615710214
31.4610413105	35.5844621115
1.1055586806	0
35.6473344472	25.8044345727
100.3798417504	116.97654672
2.6819959389	7.2804239577
264.2908801733	184.7930856624
17.3691165568	20.9552943545
538.2564644449	503.3675921312
248.1174496035	234.7144152516
0	0.8326607028
21.9472707955	12.5038276526
0.913973141	2.481029839
0	0
43.7639217344	69.7711628916
22.6470949992	21.6976842568
47.0647029282	15.9699622299
19.8027513887	17.9185488373
0.7074310467	0
0	0
0	0
0.21386775	0
20.2436631727	30.5291808603
36.8435805751	41.6724603641
4.0742970979	0
29.9502654998	12.9050199837
0	10.7594420891
38.2941152434	22.656087476
248.3156389446	268.530484319
95.4489769666	40.0990328887
13.3755573045	75.0379352299
0	13.8733033242
0	0

gene_expression_table

28.0308509275	50.7275137113
1.1245612693	6.1053655511
5.2728796197	9.542345821
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0	0
0	0
3.4041199038	3.0802229219
72.1302374346	48.9503638945
397.6906042643	413.0462854996
76.5882304869	72.3140592584
76.9112172259	92.7909713116
0	2.0493380074
0	8.7836563163
43.1591312856	51.3850048395
0	0
0	0
0.4812341813	0.4354454596
39.363436956	62.3316121027
109.0618946592	116.9597824439
0	0
34.6228237013	37.5942157855
10.0880828163	7.3025733069
2875.1965131971	2840.0336743832
56.0210127568	33.3816779332
76.330646752	49.3342131665
24.5211057273	8.5338302801
118.1582204316	142.8536705794
32.9905209898	3.7314402045
94.8893651771	91.7822154618
70.208266679	84.7040717106
7.6749384049	6.9446793495
893.6097287515	1050.4036214232
0	0
14.7573073915	8.9021142572
15.0645925738	27.2624376734
5.4294359722	4.9128331572
48.6627239936	29.9421256136
10.1223192492	12.0214441207
0	0
1780.4449376396	1718.8140293088
192.4668686988	232.2052404841
4.5642772186	7.759380753
1.3652056603	0
1568.0274411924	1721.7799684542
0	0
6.3914975639	7.4701681785
191.4705762172	200.0278097478
3.412958878	1.6985214844
66.6147971308	64.1239335698

gene_expression_table

8.5974356006	14.1041196157
0.373787767	0
2.3973804586	5.0616375793
20.099854344	14.3294531822
1.3630154292	2.0041556013
34.5782791692	28.6063606573
8082.4386309612	8178.3734896889
0.6211707215	0
0.9707936594	0.8784240763
6.8714909597	4.5993787956
0	0
0	0
0	0
14.2346872845	9.1360110049
0.179366845	0.1623003546
8.4176354235	10.2479368804
2.0782078068	1.8804694029
3.6456916311	0.733068768
0.8169925893	1.1088854263
1.7379461474	0.3931457845
0	0
27.7463531743	20.7400106186
4.0803741702	5.6612699766
505.7312046802	449.8114291877
17.432973603	40.0423317675
19.7965507568	11.1955863665
0.7393210793	1.2041563867
9.3049827747	7.858318911
45.5126583575	27.4547974164
0	0
87.1426600343	86.7362810798
281.6933383665	237.3981387694
0.6227482727	0
1.7445961865	0.5262001452
9.6630010427	9.3912534123
0	0
6.1630771224	5.0455580606
36.8934131157	42.6992619456
0	0.2016070651
3.395780481	2.5211708577
0.1236508459	0.1678284757
276.7892242149	224.778058334
0	0.0418481486
15.7390052942	23.7357703045
7.2040774757	2.9333790641
0	0.033824321
0	0
0	0
0	0

gene_expression_table

0	0
51.5731986842	30.3329552428
12.3896551526	13.4529573132
0	5.6237850664
8.8925037313	9.1958801521
0	0
0	14.3194331032
1.9111943814	8.6467352917
3.1287316588	3.7747166156
9.209133372	9.5954582236
0	2.7136352402
2.2069366068	0
4732.5534207689	4239.2201831149
5.1185419243	3.1294055533
49.8805398555	30.9254771386
118.4979322457	116.1582813967
47.6255378256	34.869100827
21.3760692135	13.7007021877
0	0
0	0
6.2494893805	0
249.5823356867	216.3261052211
2.8886881868	2.6719189666
0	8.0910125291
3.4898788986	3.157822075
0	0
379.9954512617	495.7685024155
4.6792616827	3.4740815127
487.9663488803	440.3071631005
0	23.9163685568
0	1.3402878623
63.1977306498	70.1810507916
50.3814839553	45.2078621553
13.2887132072	19.7542264782
70.2692770644	80.5628794535
5.2393643508	3.318592599
245.3303233515	231.1605427825
119.2447836041	99.598909418
8.0390915373	6.4659411991
147.5258640201	128.963945205
10.3502281043	5.9598122084
614.3483059471	559.7723018971
4.4714685464	7.1583340845
884.1309473355	803.4407005839
0.3258454955	0
78.0664287057	80.729740911
16.4285244064	16.248200111
2.3873121014	2.7002036005
9.2915509682	4.2037368073

gene_expression_table

21.6082003869	16.3692937921
0	7.8140487975
110.1882762204	74.1388899801
105.1309785116	92.5097214911
0	1.4738029372
13.8066924752	12.1955535493
106.5210707387	82.8315023254
130.4167826299	142.3035456606
0	0.5081146734
67.6116068185	73.0963445347
52.8787650689	43.7925618245
30.6173292719	19.5558604271
238.0056461657	176.8018993696
9.0897494926	9.59568546
0	0
132.4829454312	140.6080650757
5773.3027277063	5490.650711389
234.8267895442	191.5833639537
76.5580895067	55.4189602764
0	3.0338585415
0	0
26.3409389011	17.024741045
0.4228021881	0
20.4085946159	17.4174999888
0.3969565311	0.3831324835
1.824349066	1.3363335281
0	0
0	0
0	0
0	0
2.0457697512	3.3656686917
2.1467734585	1.5010313309
0.3540588698	0.6407413824
2.4866944323	0.5625222823
6.6380802759	10.8116581325
5.8789394209	8.8659450276
0	0
0	0
0	0.027832303
176.1881633483	169.5462861232
7.9901741006	4.9163461673
0.7720628606	0
13.0034534407	8.6174942326
34.8211405913	21.2891624901
0	0
3.3476872386	1.5145798707
0.4817903744	0.6539230976
27.4408407952	23.297176346
0.2127450847	0.8662621682

gene_expression_table

28.7226935407	27.4426160447
9.7696510295	9.9450935563
0.6753145318	1.2221187028
0	0.053360153
0	0
0	0
0	0
0	0
0	0
1.0868702348	0.6644973899
7.6284735476	7.8108770751
30.105462668	34.4096492876
20.5324865943	16.4414608989
7.9109531645	13.2938699275
3.7174226756	2.9899692423
1.0545505161	1.0337292245
221.4809549563	776.5785554915
30.194656266	32.3108555337
10.2487831667	5.7960166144
0.0440510875	0.0465029735
6.2725958331	0
0	0
0.9613822967	1.3048622863
0.0987342436	0.7147186088
0	1.8017244259
2.1782371712	1.3592973249
20.3771758488	9.5370608578
0	0
0.4551420209	0.8007920856
0	0
1.9057577599	1.7244277233
0	0
3.5684977412	6.4579209017
3.305072267	3.3228883573
10668.4447657822	9375.9770175032
9.1432986542	6.3138550366
0	0
363.9349270241	306.0866868063
33.2887709725	36.7233428492
0.1466816589	0.0663625578
2.6237291253	2.4871368485
0	0
0	0
0	0.1937315349
3.6506580992	3.6703370801
9.9904025642	9.3746390508
0.8522905717	0.6059400148
73.1383596063	28.3625797265
4.844224161	3.7089490187

gene_expression_table

0	0
0.9463412117	0.2854327476
0.281384311	0.8911385326
5.0199758835	6.813498887
0	0
0.5285510787	0.2989126401
1.3029810489	0.9170033649
0	0
0.2815281943	0.5094824048
5.2659213527	3.7225599315
91.7969773292	60.3759208446
45.8806852445	0
2.4177518582	2.4307848214
0	0
5.173517317	7.3562732322
0.6491972016	0
7.4033022493	5.694055627
1.912472035	2.0766037741
2.4937996378	2.1060837326
2.6616422044	5.7801381101
0.7422447638	0.5223720994
45.8909931944	44.4905710291
9.7704599403	6.3423238798
0	0
29.9647482987	25.6073330396
6.5557222738	5.1230520286
0	0.1315860941
44.6725594236	62.6541486136
4.0955211755	2.993177156
2.6207527059	4.4463599176
0.0393916004	0.2851483822
12.0711461212	9.4901229977
0	0
3.6525367149	2.8918778353
3.9254587656	5.130604788
0	0.6089969298
27.2043965183	15.3849614769
0.0595836022	0
0.5163635237	1.1213575127
1.6522866062	0.4983579919
9.404218931	4.7865495303
26.7266127638	28.0529934316
0.4040373456	0.4874583851
0.1748045038	0
40.0599626609	19.3655388833
0	0
0.7428368162	0.7075336738
0	0
0	0

gene_expression_table

0.2213515882	0.3004354672
0	0
0	0
3.6022538997	2.5234875567
0.4616303462	1.0442672512
1.3418992734	1.2142195392
2.7142092634	2.581902735
9.6096279711	4.9997894847
2.6287039368	2.7183847304
4.153753141	7.5170593272
9.9697171268	9.5849328438
2.6257902969	1.055977879
1.425149001	0.8167138461
0.6817545136	0.3084432892
0	0
7.4140568006	9.9170907962
4.8153451044	6.3377049144
24.7812909072	16.6196873338
0.5686629098	0.1715184912
5.0211088704	3.9094008772
1.0250938254	1.4840922587
0.1350068744	0.7329670179
1.4073946195	1.2734830998
1.5353915188	0.3473253208
0.2281371931	0
80.0152745782	60.0606996987
1.4316048735	0.2590779568
9.1330565933	12.3960896182
8.6579975716	10.244725546
1.408170824	1.9112781744
0	0.0665418447
0.6522348114	0.5901756323
2.5921175967	2.4920740249
5.6332269914	2.0388935048
0	0
1.2485608581	0.5648810681
3.0830974351	3.0433584732
2.1897024272	2.3648436312
17.6319247649	15.3030783381
121.9878354383	107.5505942432
6.9405858536	7.7075173951
1.671949453	0.4727706036
5.9660837897	5.3984197274
1.2639950539	0.9292788302
8.4995579788	4.3581413002
0.4107542075	0.2477810341
3.4549036012	2.3446309691
3.8094145973	2.5852158179
370.6316615549	292.3708875259

gene_expression_table

27.0648905252	21.8523531882
0	0.0826618127
1.3093564235	0.455681959
0	0
17.642149828	6.3854101298
1.7934441338	1.411130933
74.9061729434	52.7169698251
0	0
31.4964146423	24.3433889443
0	0
0.8791045044	0.795459009
1.4402347314	1.0859987696
0.1056117925	0.1911259728
0	1.0323958319
12.0795767321	7.8073020316
23.9900027967	16.8419400961
0.8531137451	1.1900760661
0.4096194014	0.1588477373
0	0
0.9589731934	0.5423301939
23.1971771968	14.8679166967
0.057017136	0
0	0
6.5194336625	5.1125699533
7.1585060177	9.7160771119
0.0573380096	0
0	0
0	1.171362002
0.1040276972	0
0	0.0129200112
0	0
0	0.1190158706
38.6715239277	27.5993125332
2.3176756471	1.3981014879
11.1611152715	10.0991516354
1.6564866018	1.4988743478
171.6477400911	155.3157110983
0	0
16.1051840707	11.7703381298
5.8468664427	6.2524631412
0	0
0	0.1630862933
0	0
0	0
3.1556423306	1.5753862747
0.8312273056	0.3223445378
0	0
0	0
1.3057148656	1.1814780243

gene_expression_table

2.150577869	3.1621745359
0	0
0	0
0	0
3.1446914215	3.3197251227
0	0
0	0
4602.0042466025	4983.736944738
0.1000069087	0.0452456995
1.6518137508	2.6156306955
0.4483179052	0
0.7840586783	0.6207745713
0.8914586447	0
3.5502304449	3.4917731095
66.670541167	77.4137581137
0.6824034119	0.740968482
0	0
19.3416587376	9.9174194669
63.0538571036	47.6755742264
0.6989751555	0.8222093121
2.3487191457	2.1811694081
0.477241168	0.719720626
15.3122874666	5.1957547223
6.0083777712	15.5333985685
0.1596740638	0.0722406562
115.1680609067	92.7897171084
0.2696130801	0.3415437112
0	0.2723768892
17.6822395489	17.3331172816
0	0
4.3284692611	4.8566110356
390.1725355262	387.3597842281
8.3010526851	9.8223643283
0.3475850891	0.1572564406
316.645664108	247.947660664
0	0
14.6321748434	10.1983360249
1.4308777466	1.2947318421
1.5399453166	0.9289478625
8.8839494406	5.6743445439
6.5925555362	7.622306838
19.6562401522	19.332584705
0.9813676252	1.1839892598
32.1272561092	16.1502195187
0.8216444518	0.7434661955
3028.8722657874	3475.110008156
0.843420952	1.2719511565
0.4366127736	0.4880272925
0.1240255693	0.1122247195

gene_expression_table

2.4215863747	0.7967912753
1.2318175702	1.6099950353
0	0
51.8066858686	22.266744201
0.1347823805	0.1829370541
3.6809365981	3.3307009165
0.1220550841	0.2945112617
0.088130824	0
1.4312101825	1.9766287772
0.3902859029	1.0594523267
4.2078613462	2.2210355726
2.3781675481	3.2278326267
3.5029504082	6.3392996995
2.9129624466	3.0750981001
32.1193655081	12.4556808478
41.3637489892	38.9251713301
9.2814109137	5.7919299113
0.429688055	0.3888038711
1.5445752602	0
7.9967431668	0
0	0
0	0
2.8543726634	2.7057730015
0.0598436357	0.0541496021
3.273681651	2.8504147074
0	0
7.4031680877	4.306350585
3.07670819	1.9487747644
17.9881906507	6.658625812
0.2294864166	0
0	0.0255990418
0	0
14.4974969656	22.1998302953
18.280531634	9.9246996266
0	0
0.2884066123	0.7828954472
1.1082354256	0.5013942307
3.3268693614	3.5338570293
4.555325841	3.5330514121
0	0
1.9546289117	1.1892638868
12.4212990871	8.6168969634
1.3773951294	1.9585311693
0.4459219906	0.2882094084
4.8500460992	2.4756043654
1.985818658	0.6738266045
13.165800426	15.3168350885
0.9391498347	0.7081592624
3.3894724645	2.6669297086

gene_expression_table

47.3874129086	31.7619041101
0.3604916382	0
17.9372591817	17.7060605007
0	0.8208224976
3.7054787517	3.8318947662
42.3296017913	24.7109694775
12.9353782998	13.2862983399
57.5923338464	50.3308841127
11.0556512474	4.6171026265
515.5865546554	407.6240463503
127.9188443816	77.716215661
0	0
7.9914084856	9.7340893049
0.3899729481	0
0	0
2.8979577142	3.4613321386
1.619666594	1.648752423
0.0105695493	0.009564
0	0
5.3379562579	5.554566243
0	0
0	0
0	0
48.4655973158	38.0838821304
27.4143116255	18.9692026265
0.1931656342	0.1747862094
42.5617434627	30.2246518773
6.7700143417	4.2881002322
0	0
0	0.3443807341
0.4234341244	0.478931241
106.4967730492	77.7127115809
32.5864902645	22.9335040956
1.1182691736	2.0237350262
7.7909730843	5.2872551253
21.3689446598	8.9241789838
3.6149178898	1.8046696777
173.8246714605	165.9833269204
12.5925626564	7.8336492543
147.1642722851	127.3721652248
0.6062015085	0
0	10.3608816853
3.8714110847	6.6168760698
2.4914716373	0.5636029475
1.9617763809	1.0354844823
5.613532041	6.8461650202
6.6358662406	4.6701459523
25.6854296449	30.5459700415
7.8648500233	8.4939123497

gene_expression_table

58.360231631	47.8950309108
7.4864351902	7.5176120279
0.9927235427	1.7965347273
0	1.8835547786
14.1152715027	10.4500016702
0	0
2.8210792969	2.5526577678
3.422285324	3.8708249116
20.1454665718	10.7227383393
810.2586768464	840.6944451156
0.5345648965	1.4511055079
3.0426555395	2.2468246716
18.4497444458	28.3802734619
76.8414076271	68.0506981616
4.2614469315	3.2133137908
92.9764050444	87.152466294
9.3769452153	6.7877941802
1.7526647736	3.9647532715
21.9472707955	13.2393469263
2.6164406341	0.9469960686
47.1019716824	45.4348359962
1.1610345632	0.7504027422
9.6208081495	11.0206690735
0.2261900574	0.2319575285
0	0
6.2157355409	5.5201634557
40.4006076576	47.8047185765
0.8623373391	0.6242297718
5.5480193159	5.5779260788
0	0
20.7226150069	16.6338529594
0.490207906	0
5.8725307291	5.4244716045
2.4576454381	3.1133257455
7776.5768987153	8328.5464479072
0	0
3.3659007785	2.0304268599
4.1507988358	2.7760678154
0	0.4967764983
45.485234629	26.1470425066
4.203306191	7.6067356281
17.9951378881	32.565854184
31.9550791047	34.269156168
3.3470708296	1.2752008349
1.974600242	1.9058346079
13.4326143082	10.1287674109
272.2672225176	210.5270131435
4.5011362031	7.466909524
66.8400958692	64.4743454533

gene_expression_table

0	0
16.3735111188	19.3742405505
18.0877829323	12.2750678227
0	0
48.0348313596	68.6611348089
19.7130977514	11.4159523912
0	0
25.0624144463	24.6077850814
4.1934967135	4.3936219613
3.7967976576	2.8108947005
16.8938448563	11.263678238
0.5503651532	0.7193314868
4.8496926682	3.510601258
0.5855384969	0.6181296026
0	0
363.2453086092	219.6564799295
3.3293260319	3.3814287083
0	0
2.8011476995	5.0692452649
49.7226900459	67.4874742723
0	0
4.1195159376	4.3010193226
15.2206267294	11.1490910351
0	0
2.4572729108	3.3352005331
0.4871211524	0.7933901293
0	0
58.0335243826	40.8424490734
1.5871026055	0.3191315858
2.1878943927	0.3045722265
0.081428185	0.1473608269
22.3585038785	22.869967676
0	0
382.5589980703	414.6159062046
2.9587436187	1.896366669
1.6749004601	2.4627462513
10.5045415638	13.5786427805
17.6665638046	31.9712326945
87.5672912284	62.169308182
3.4550758447	2.1390682233
59.9400809063	55.6896440461
2.7716675357	1.1146433167
0	0
0	0
0	0
0.3625129303	0.5467006006
0	0
1.2708971294	0.9343531798
913.1015230597	594.0924309184

gene_expression_table

0.9504510927	0.8600170748
0.1880040965	0.6804631373
3.7612936086	3.7815689735
606.8561860957	467.7193931804
446.0459745935	392.9561408888
12.9200134318	10.0892284067
0	0
3.1268578946	2.4520963857
0	13.1405130491
0	0
0.9434853794	0.5691427592
0	0
33.450648623	20.1785792027
0	0
34.4802178779	35.6565440739
160.3821431825	256.0976807634
373.9043137063	366.5218596126
107.8083096632	120.3122934493
27.1274705443	16.3642211879
0	0
1.5909253182	2.1113416478
36.7999690577	31.2538612189
0.6665056175	0.9046328884
0	0
2.6104087491	1.3122401175
0.277687493	0.1435805361
0	0
0	0
0	0
1.7991316244	3.2558938143
0.428602506	0
15.7276944748	15.1799760757
2.6245517067	2.3748294876
2.6862425724	1.7014553909
6.3656448114	1.439990777
271.5337379741	250.5153058221
21.9042066352	25.5309166568
0	0
0	0
239.5909166797	163.5931653771
6.2540434257	6.7907765151
17.6450927614	9.9100478744
0.2945820124	0
10.1892157515	9.4908953583
20.9943275362	21.710569456
0.0574417382	0.0259881208
1.336563233	1.9350259442
0	0
2.799991922	2.5335768255

gene_expression_table

19.4486648999	16.9080295019
3.2445292022	1.8682472072
0.2211418987	0.4002011472
4.1041591889	4.9515393371
0.6865651132	0.4969915652
0.4158077472	0.5975644035
2.4201403158	1.532907277
0.2816341648	0.2548370899
0	0
28.8258369803	23.1382348996
5.8398051321	5.2841562976
6.6737786743	2.1313335843
0	0.0532602671
1.1813301915	1.1401902595
0	0
2.5532760918	2.3103356422
10.4496129197	6.8202507868
3.6565570437	1.07307277
603.4631281215	262.6543177212
0.1004989654	0.0545619824
4.0158227963	44.123781562
0	0
15.0064879483	13.5786427805
157.8228602037	124.7403974512
177.1536570894	148.3352297006
0	0
2.6355468481	4.4714596078
10.2415965163	8.8310237915
7.1185482778	6.9779979981
903.031352604	821.526059707
0	0
3.754518247	5.7492454126
2.7058712737	0
6.8772368172	2.6669476671
3.319442873	0
21.3592227964	26.2846170331
0	0
2.7846279049	1.2598373359
194.7721602992	179.1772081532
0	0
42.6962000752	50.5210180544
47.1948237547	46.5975760281
0	0
35.1875985497	49.2065780612
198.8649419502	140.9555351744
4.6950424768	2.7034738936
15.7286773789	12.3757538724
3523.8318035511	3239.4146155706
223.9551218535	231.8619747797

gene_expression_table

46.5315824617	36.2966992284
12.4208458929	16.8585311226
6.5029163623	9.5185159129
0	0
38.8299961487	39.6689766928
0.7834797537	0.4430830076
1.9459738914	1.5460835262
0.3171407001	0.0717413077
8.9301370472	9.6965372335
0.5985419227	0
2.8571541972	12.9265009726
0.0919398533	0
21.2429888179	17.0138461085
31.2707915965	30.3165235227
0.27264766	0
5.1646222682	4.0890640754
0.0485353232	0.0439172589
245.9466904449	337.5897920515
1.7090630831	1.1598361909
2.2183775554	2.3896454844
0	0
0	0
0.7965599688	0.9610246187
170.444601726	92.5362297431
25.4053696085	18.1680036152
8.8441745719	8.0026644218
263.2257501438	200.6292749214
5.252630952	3.1685672491
29.128332114	35.1424191039
5572.3716925229	6547.5269884781
0	0
0	0
0	0
0	0
0	0
0	0
0	0
3.7099941512	3.3569936863
5.0125813602	3.1182536316
1.4852199224	0.33597586
2.3951284323	2.1672354989
0	0
0.6370647938	0.5764490194
3.202266066	6.2780795539
0.2606624249	0.2358607801
6.3666736191	4.694061799
50.587321117	45.7740122163
15.7910054256	7.5202708307
14.3144136852	10.295512031
0.1880404422	1.3611893742

gene_expression_table

25.4199907794	21.1612108995
3.157679452	3.7756265664
30.8713995798	20.86212479
116.3658245586	71.8671887662
1.0820096011	2.0125080811
0.012213403	0
0	0
0.2300110025	0.1040628976
38.2426004017	27.4633916249
21.7045960106	24.8077083182
0	0
310.0846690091	361.637179966
0	0.4330458389
0	5.6369920766
17.4579757873	13.0566009073
14.3287291803	6.1739865516
19.4733832444	25.7530670866
0	3.9029816536
28.7885909782	36.4691586833
49.7818271726	58.5587077807
0.7117795838	1.2881096149
31.5574432035	28.5547990844
0	0
0	0
3.7652734026	6.8140263973
156.6476339651	105.145305608
167.8605128344	139.3958120326
20.9727713097	24.727922815
0.6263494109	0.7934544652
36.6776507173	29.2155383108
15.1437513152	15.4157014583
5.2640333043	4.0486930626
0.4365666639	0.9875699763
20.9040027333	16.6565081615
0	2.0749627849
2.9223951743	1.3221667945
7.1367607882	12.1556866602
2.7327323296	0
2.4118260438	2.2465309561
0	0
0	0
23.5133890536	29.254671611
6.7100358301	6.4395607286
55.8435490217	96.0072238162
3.5861363736	4.2433579606
160.9472780998	157.1485799312
0	0
0	0.154588237
1500.9312445326	1456.7542558185

gene_expression_table

121.3009312634	105.2542797873
0.70493588	0.637862272
4.5851847604	0
3.9485057823	6.252419754
1.0010331326	0.9057863083
0	4.9291233765
26.1168607888	38.8782542794
0	3.5570080677
0	0
0.2536107593	0.0764933567
0	2.042679165
2.2089622964	1.2492392475
6.6632921493	6.285855262
2.6248035287	2.0583830359
55.8411742163	53.335078338
1.5627641367	2.994499984
15.5193247949	12.5014137679
0	0
0	0
0	0
0	0
0.9954101183	0.6004655437
7.5834933749	2.1113646705
0	0
0	0
12.5418965276	9.7723655948
15.3289114391	11.4926073262
0.5428919358	0.2456182849
60.0166923396	39.8245413073
0	0
2.7915541773	1.2629709599
0	0
6.1889910975	3.2421734249
0	0
0	0.1199959593
0.3560884102	0.3222071238
16.7701815032	3.0349046996
16.7104251934	8.4002516183
1.8902711547	2.1768913673
36.1571555	44.9856763791
9.8999544751	6.4385541814
2.4385856439	2.2065578211
18.497696238	14.6454592874
0	0
2.1089486002	1.2721901702
6.1964061445	3.3640963501
16.2456358928	13.8089853475
11.7119930379	8.1476281183
5.5172819056	7.8450753539

gene_expression_table

0	3.5976224775
0.6797455231	0.3075343702
18.3341540893	20.1446192027
0.4721395996	0.4272162139
0	0
0	0
4.3464473592	1.3109631038
0	0.1172395301
1.661836555	1.1768206389
98.763468914	87.4914538258
7.1639510372	4.4565892767
2.8571541972	11.6338508754
2.1081867702	0
0	0
0.9938151271	0.642325061
2.3782321564	2.869262505
84.1761663636	80.3804180976
15.1943672143	16.5224951651
0	0
0.9744461847	2.1553377247
0.7502215128	0.7919788844
0	0
7.5858186695	9.4789113111
413.1928756107	297.7906936594
95.8090883307	81.9814192414
66.336536818	74.4306444929
0	0
0	0
26.084728083	15.7352031506
141.5277349589	118.210689208
1.9740302946	3.5724084544
14.8186891112	14.3664779201
5.3360365394	7.644840859
1.7268384315	0
30.3829697993	12.6886500417
0	1.0235567874
6.9805035718	1.9434827585
1.3747777412	0.4146565564
0	0
0	0
17.9914394971	14.922948881
21.4330444692	27.3275172772
0.9553469033	0
10.9218698914	4.2354300428
270.1028924606	207.7425509445
267.6348405958	217.8095069348
37.9422449057	27.4656770666
9.1266293895	6.1936830605
29.8416047201	29.2524051071

gene_expression_table

0	0
55.8645307946	57.3647126045
3.3914592998	12.2750678227
0	1.3883516083
9.3274887532	3.375996789
2.4449488977	3.1604508866
0	0
1.8950588268	2.5721201669
65.3131089573	32.2356344125
0.5473666444	2.4764275827
0.5134813088	0.929248641
49.2076152032	96.4720971128
218.7414978673	237.51428084
3.8109071197	1.7241524675
53.7365975757	46.5545486209
0.5029320203	1.8203151249
0	8.0498996606
8.3864678399	31.438103782
250.4730971287	132.2072218934
0	0
12.3289318132	4.4623408631
169.0827082935	136.8900289948
3.9141671114	3.5417398909
362.7362463252	449.7862904274
11.8489912624	8.0411829311
1793.5292179413	1796.1060651526
0	0
24.5535293555	14.2825482618
14.2899685678	9.2359279721
7.1438181366	6.4640943904
75.6458384292	60.7357698942
0	0
0	0
0	0
55.8293032184	54.726996417
2.3957402147	13.006734427
2.123116692	7.6844210962
1.9589229199	0
0	0
34.7559657493	50.5430147142
85.4534834301	91.5663679024
2.1682356825	21.5812438515
69.235536704	98.7908839528
6.9008196324	3.1221084175
0	0
1.8703004443	1.692344119
0	0
3.4794152287	0.787088502
2.88664339	2.1766529452

gene_expression_table

27.5615038614	29.4734433735
8.4286874106	4.5760261502
0	3.1865400539
103.8614291738	132.0183544336
0	0
0	0
16.3782240056	16.3398458369
12.7249445993	4.9346506766
0	0
0	0
5.0598432141	2.2892033021
1.0505354797	0.6503958706
0.7097626225	0.8830659159
2.7891527256	2.5237689626
29.7197329271	25.3100651548
1.4594436239	3.6976232111
15.7167223776	8.9391025131
7.09784203	6.823898645
253.9584326305	205.4945375321
0	0
0	0
2.6784837115	2.5852052712
0	0.0455311852
3.0671019467	3.7003623009
1.5316788464	1.6631302393
5.3240290373	4.8174555366
3.2786646984	2.5958665198
0.3212973234	0.2907263576
0.1827652423	0
51.7331496729	35.5525191473
20.2596403333	16.2167386882
16.4896676173	11.9365600754
13.0205775246	10.2712158778
1.246118847	0.7892867352
6.0848047517	3.932746118
0.3217469513	0.1819582525
0	2.1462909191
4.006331546	4.5314187696
4.3762431139	3.9598500442
0.2551824732	0
12.2143640919	9.2101544882
34.4242360578	17.5486314547
0	0
2.2741690539	2.7437136356
28.7017532611	22.5080473133
11.4297359246	33.6121936474
0.1297056889	0.2200582203
0.1215078735	0
0.5311385727	0.2883609131

gene_expression_table

4.5880685244	1.2210354646
0	0
4.1197396323	1.863876245
0.9667812183	0.7654442364
1.343151511	1.2153526282
0.0649185647	0.0587416591
3.9274185779	2.4602749615
5.3988690254	3.9546651607
0.1581881037	0.3339857248
0	0
0	0
21.1471251162	26.3931136413
7.6163816729	7.4218245274
0	0
5.8336896872	4.1673337328
0	0.023228927
7.8981057423	10.2094466347
0	0
0.2172918	0.9830840303
1.6271742495	1.4723510225
4.0906977492	2.643909928
55.7432335104	50.4393471594
95.7010357694	106.275956163
2.4510584491	2.3676981719
8.4437454551	5.3150160307
3.7273417119	3.3726906523
17.298510392	20.8701102311
208.5099044367	239.6625206017
3.3417448254	3.0237827401
0	0.8618792521
0	0
15.3885528149	18.565806319
4.4185517589	0
8.072874119	4.2969129812
397.4318366731	467.9350928396
5.1756147243	0
8.2992365801	9.6551697538
9.1012698595	8.4967354874
2.3363718176	4.2281389786
0	0.5349854295
0.0711023397	0.1930111713
0.2703514723	0.244627929
0	0
1.9067904351	1.0897024049
2.9841645411	2.2681895811
10.5578420607	6.7669059439
3.8034561803	2.6317834258
8.5853329521	3.8842256
0	0

gene_expression_table

3.0754759502	2.2262791641
0	0
0	0.4061578332
0	0
2.0759685441	1.7076756389
5.6956007163	4.2166413156
0	0
7.3613547603	4.5294342534
0.5565332568	0.4873354251
0	0
9.421754485	12.7879326887
0	0
0.8832288824	2.3975728755
0	0
0.2906115881	0.2629603246
2.9728608645	2.3537478504
0	2.9011834839
2.6310199278	4.2852280806
1.1803219438	1.1570173917
4.3365429713	2.1799596175
61.7513211304	35.9877867179
0.3106382624	0
26.7617724236	24.9965721779
27.9128163988	19.7889529741
0	0
0	0
4.2579646799	4.1382201194
5.3942459009	3.9463334475
3.1587048945	0
0	0
1.281311221	1.3701956869
0	0
0	0
0	0.2635973799
10.5785743568	12.3638832284
1.2525160026	1.3600091455
0.7305475784	0.3966222331
13.1680807601	16.68122025
61.8699448671	58.5277978406
0	0.801802313
2.8326935496	2.8072780788
3.0135034798	2.9994503812
1.0948565142	3.9627301346
0.9495026622	0.2863862954
1.0332755845	0.3739843754
0	0
18.6981518607	12.4404781788
12.4943029813	11.3054885033
73.1991667055	71.5331240158

gene_expression_table

1.0653098738	0.9639472125
59.5445056886	61.3621191676
0	0.0322493098
0.8420012835	1.3967911922
7.3872084682	4.9405891458
0	0
101.8189591263	107.3055590223
0	0
20.7856732175	25.5250710719
0.2427004335	0.2196078456
0	0
1.7734359922	4.8140885292
0	0
1.3697655643	0.6197171968
0	0
0	0
89.5723604229	67.1554512993
36.6960700893	48.1126330191
0	0
0.5047589658	0.4567318956
21.8250679248	29.6226674122
66.0648627338	81.0336045527
6.4557778353	7.3019001346
1.1788040646	0
0	0.1182695224
1.7211684286	1.0382678629
0.1138413399	0.2403555105
0	0.0171827006
6.236702981	4.4889806041
5.6630362815	3.416137828
32.4387916192	33.9868603683
0	0
0	0.5602782092
2.0612157321	4.1964617229
6.6346448406	7.2898042205
4.5702474338	4.1353951395
0	1.1568380164
7.886517788	5.35209545
5.2440303982	3.1633790998
2.2296456484	2.6899975433
1.200926653	1.0866602554
0	0
1.5062000593	0.9085915653
16.9520424954	17.0434229839
0.0328482837	0
67.7207432541	77.1638997893
6.0429957682	6.1515153503
0	0
3.6769299163	4.9906131968

gene_expression_table

5.6667754691	0
4.6302944804	4.1897287983
0	0
0	0
0.4006386552	0.3625184788
0.4373649662	0.3957503355
1.8590797538	1.6821910606
14.1747380819	24.3694621028
3.014319076	4.0912666009
0	0
31.6106213697	9.5343058089
10.3554680498	10.0909421384
167.7018150316	102.1957704975
17.8726719981	48.5163409515
7.2195966168	10.8126830236
0	0
17.9220692899	10.1355067894
4.6032679942	24.9916430542
4.9311239809	5.1483863262
8.3342277851	7.5412383187
0	0
0.7310014484	0
24.8972479275	20.5693279402
0.3634815341	0.6166815054
0	0
0.1509201844	1.2290431656
1.2089151051	1.4001774312
0	2.2249284487
0.1875141989	0.1272543748
0	0
3.4212248879	2.8745789355
115.9242161209	91.1202125304
0	0
3.6211017349	2.6983429136
1.1871487313	2.1483865652
2.6842516125	1.3879137346
1.5116881218	0.8704520551
11.194417832	3.9391665858
0	0
6.7121358866	4.8587888552
13.4226501215	13.7867892143
0.7790631359	0.6042312248
26.9368322693	15.5920839984
22.3367779306	22.6207803827
1.3642835817	1.4813688163
0.3008114642	0.907298992
2.8788590978	0.868313302
3.4855394102	4.8236048556
6.0111995363	5.4392427773

gene_expression_table

0	0
18.0048127982	8.1458407243
7.0422657835	5.9800689264
49.1356226121	43.0027213139
0.7264952052	0.2629481037
0	0
0.9649748527	0.8731589205
14.000657672	11.6749066897
1.9628760807	3.5522226405
0	0
0	0
0	0
0	0
2.1233020793	1.1527638132
3.6096466102	4.5968657221
2.1039508995	2.4114332326
9.4808356019	6.862998476
1.0278398301	1.1044253358
1.2850628048	1.1627909766
0	0
0	0
0	0
0	0
5.2566962931	2.818684091
0	0
7.6867173327	6.0481195911
0	0
0.1756061084	0
15.6758143094	28.3685674535
82.7293678378	83.0076307685
50.6698073824	76.2426989354
0	1.0987794793
3.6475144769	1.1001529536
8.6874023685	4.7164853172
0.0126490707	0
0	0
8.7813824787	6.6215390863
71.9720289511	57.5367349303
3.0311404801	1.5237399665
0.2499624442	0.2261788868
0	0
0.2187382184	0
0.0924673793	0.0836692447
0	0
7.3504294126	7.0205495146
47.2778879937	71.2991112794
1.9171858113	1.9825924715
0.0260719718	0.0471825243
0	0

gene_expression_table

32.9978406731	21.1652672439
78.594827123	89.4345691967
0	0.2283382992
0	0
72.27273267	49.0470666626
10.911027348	7.4426169417
0	0
1.6029507699	0
0	0
7.6784726835	6.0793926783
8.3754637817	7.5785507712
81.5087033952	90.5153775954
3.0919655642	3.9168774494
0	0
28.8816718728	15.2446136759
0	0
7.6352331271	5.1322157493
0.4355371178	1.4450201486
14.3480540626	9.9535243951
26.4792339524	27.3825987936
11.1331994718	10.0738919827
11.0530741725	5.834144451
4.1915989967	4.0636870093
2.5859726884	4.6798424117
0	0.0579421775
0	1.7058104199
6.2289830053	11.2726089416
7.7329835002	6.1898321312
0	0
7.6943665793	5.5698071694
0	0.391618031
8.739416085	10.0645663367
19.6007128707	16.1233945327
0.5438318902	0.8611524056
5.1049887711	3.2334796397
40.3290721914	39.6035261538
0	0
0	1.0244304682
1.3429111241	4.2529728981
1.515889546	1.2573503197
0	6.8486090835
10.0055912763	7.3290837482
9.9590838961	8.7611725544
14.1965091109	13.9839616717
14.5309653155	20.1608269834
0	0
5.2691808953	5.5930267878
0	0
15.454400447	9.988526476

gene_expression_table

5.129355765	6.0693990274
0	0
17.6840255435	16.0014166275
0.2907457511	0.6577043055
25.2204976798	25.1700050397
12.370543054	3.2497270114
22.544777803	14.3724986389
3.0358908877	3.1394632605
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57.4664674417	63.6256380845
0	0
4.1911001688	1.5169292708
2.7378156947	1.9387694929
1.1700796856	0.9074985697
0.1487969109	0.3365977615
18.1458123111	15.6729348358
101.3248018242	91.0382353163
45.8730928756	30.2729968087
0	0
16.0078168903	9.1736412765
7.3199166706	6.9546092793
28.9409872541	20.1033780219
6.9337058385	8.3652986229
17.1477523432	32.4869789071
0	0
1.973032742	0.8456691743
0.0128831102	0
0.7057243941	0.6385757601
9.0655262258	19.6870915025
32.8670223854	6.9975938214
0.7530352469	0
0	0
0	0
129.810864082	151.4610013403
13.749288892	17.417490101
41.3017847078	27.1130057396
27.5669827146	21.5807856899
70.1212594174	87.5163105294
10.7888029882	11.0638995581
20.5191009954	29.6183690967
22.0205339193	18.4215154552
7.6636505451	11.0951448206
33.7279489292	34.4566920595
9.9349416488	8.9896466221
6.4017805162	5.7926605538
39.3325379689	27.2159626964
2.8573007438	4.9246339
0.5399125896	0.488540704
1.26436885	0.6864396126

gene_expression_table

16.1276802966	14.698902835
18.0674373496	16.8932922787
31.5195682116	22.1826327661
2.1559803329	0.975420994
0.4112447195	0.1488461567
0	0
0	0
0	0
32.8685373307	31.0342377825
12.8944391584	5.0003795632
20.8812295429	21.996478929
0.2995437654	0.0542085237
7.8576869628	7.540951146
12.7996998862	5.0670494629
0	0
4.280562041	6.4554548067
3.4986050975	4.7485769834
0	0.7282164181
164.1050246715	173.3928366181
3.4806741621	1.8896958933
20.943256306	13.3768492207
21.9135745085	3.9657060509
4.9014409164	4.9894605577
4.584978916	3.6548291164
22.7583134539	20.5928935366
0.4916615976	0
5.6134498755	4.4444211082
0.9519447452	0.8613686085
0	0
2.8076401285	2.3993585766
164.1158089634	145.559829479
30.0557093481	30.9953875963
0	0
0	0
1.9665078295	1.9411609239
0.0487883481	0
0	0
5.8671667183	3.8740727208
7.3000828574	6.6054907537
3.6541090018	3.7197291672
0	0
14.0933961866	13.9332109396
26.4792339524	13.9963035913
82.2438438994	66.4804941529
0.2403891341	0
3.7880948872	3.8085147252
8.499488765	8.1869539901
10.1482536523	9.1826623035
3181.4621741979	3105.5864070124

gene_expression_table

3.7618904143	2.0947397518
175.2192403388	158.5473883715
18.266494334	15.4265667479
11.9635212065	11.8093198152
1.9655203971	1.7785040339
33.6361398937	32.1650126073
0.0464835091	0.0420606719
12.9859511991	14.4714924521
0	0
0	0
0	0
0.5452061717	0.8633285667
0.0194391552	0
36.2805490969	39.9910920836
0	0
29.8581249293	24.9389247088
7.9032343824	6.6330465409
0.6871244923	0.3108728058
0	0.154338837
0	0
444.7145434952	572.6470239205
0	0
2.2834428215	0.7748162284
5.1310902962	5.3571630367
0	0
1.0503407228	0.7467447068
1.6579057146	1.3236692066
55.5432458778	43.3834198774
0	0
37.1402585838	18.5178220672
1.4133649741	0.9837579877
2.4943210477	1.3230631524
0.0449000843	0.0406279076
0	0
0	0
0.838994092	1.5629868535
28.5657452935	29.9684136958
6.3937399665	5.3721432611
0	0
0	0
13.5054918793	11.2020922484
3.3822494819	0.4372047769
0	0
2777.2568735183	2016.5666691225
4.2794460034	3.4420115874
2.9417236571	2.1375245265
0.7382586429	0.9352201925
42.9909625274	28.6890714975
142.7813556163	137.1464386618

gene_expression_table

0	0
0.8360046646	0.0945575069
0	0
9.826372767	6.3510056494
0	1.8647977178
0	0
0	0.5091179386
1.5714707114	0.9479650625
2.0265154413	0.3860411557
0	0
4.5508286894	5.4904320799
356.6836042639	433.4013498284
22.3021368202	9.8658371464
0	0
0.7304524836	3.3047550424
0.6826716221	0.6177164254
5.6125681178	2.7085549598
1.5715694528	1.0665277051
93.9077510546	101.5525803335
0	0
0	0
0	0.2386621492
0.3489832224	0
8.0312812144	5.0310807694
22.3146437539	17.947945203
0.0778536416	0
0	0
0.4379031727	0.3962373325
10.0926575589	10.6544154456
5.3934219278	5.3939558798
10.0783932022	7.0350034927
0.6010570119	0
7.9323638828	2.760619682
0	0
0	0
0.312387494	1.6959857116
17.2663407192	11.7176054231
0.8757687952	0.3396174375
0	0
0.1765901878	0
0.4589511767	0
5.5223534851	6.6625462747
0.2305780692	0
22.168527318	21.4920264435
0	0.1464559855
0.9900578285	1.2797932688
3.157679452	0
10.8745221849	6.8276353788
3.7389716924	2.4928945686

gene_expression_table

4.7015247899	1.1097865171
5.3222487504	1.6052815471
1.5273002262	1.7456587769
19.6948310533	16.6711616746
0	0
662.8143284354	667.5333693314
3.9404189524	0.5942489847
47.5847870992	54.6844161511
0.4977773095	0.9273240397
52.9231782165	48.9585850094
0	0
0	0
2545.0835360847	2248.4960649466
0	0
15.7178108352	16.0000698883
7.5438030029	4.964379118
1.3816081047	1.0001201071
0.1984451764	0.2821710743
0.2849054409	0.3032907164
374.3142197306	375.7825819082
0	0
3.3910651732	5.3697180769
223.6683405669	194.6025271721
0.6944670335	0.7854869011
1.6587989031	1.3341925663
3.2075674425	3.9577801869
445.3371258004	325.3950378161
229.3762801827	202.7160374335
255.3704607759	137.473416603
0	0
0.3993938738	0.2108120796
5.9004220552	11.4407263071
3.2736173607	3.8672350735
55.2808817723	44.4631000057
0	0
3.3180588806	4.0031339706
31.5677128271	23.6872954471
7.289701864	6.5960974966
0	0
6.3484718074	2.297769636
33.2029105578	27.671831388
27.9211268242	22.9677025806
0.8202191313	5.9374119376
0	0
0	0
0	0
0	0
0	0
64.7964747709	56.6674619541

gene_expression_table

12.1347861722	7.015114481
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2.0331959737	2.5473328329
139.1559054614	110.0342015815
0	0
8.3222751118	8.0324511197
0	0
0	0
12.354654109	10.7034194824
32.0974141212	19.3622617111
121.5291865955	115.4413426596
0	0
8.8796822485	12.721756526
0	0.0422516873
0	0
0	0
8.9762876263	6.4977656913
9.2898443846	5.4315236188
27.2029274315	25.2149653761
0.5594715108	0.4339188195
0	0
34.7354296085	22.6405458132
0.932415061	0.8436971448
5.4384364951	4.9209772936
0.2265923979	0.5467532423
35.9017146055	25.7178612533
1.0657542969	1.0714992771
19.0515143132	12.9290931451
0	0
15.6894393355	19.2668310488
8.510851352	7.5299218271
2.2975112348	2.8584963462
1.3457290481	3.3486335203
0	0
9.6203640435	6.1777423694
0	0
14.2586002917	15.0853166197
59.1488834098	23.7870908889
35.8115773075	22.8735237251
26.8183691159	29.4852733491
383.3492477369	382.0466848559
0.1641748856	0.3713847192
26.9664180434	25.5097215153
4.9670120171	3.7127719571
2.8617516637	3.4046606582
1.8045835384	6.5315203183
103.3213195107	71.3479738832
0	0
17.7118796768	17.1447567938

gene_expression_table

1.4525067541	1.3143028814
4.7943232594	4.2176463011
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0	0.0366819546
0	0
1.4381809309	0.5205360556
6.9523761303	5.5719114873
0.7622809774	0.344875534
13.575609537	9.5101241319
0	0
50.2297705085	52.4428638695
12.2817156535	12.2356667828
0.4961296906	0.3928082228
0.0396072892	0.0716774282
0.0895499376	1.2559555958
0.5190379837	0.4877158355
57.3038476568	60.8691183351
3.5804115963	4.5356370082
22.1499085625	19.256401885
6.0577961972	4.4373285329
0	1.2245464654
2.8846933731	1.6313869116
0.8393334989	1.6570301584
0.6123394046	0.6925952681
9.3967740926	7.0855707618
0	5.8106670085
0	0
38.9867939981	39.3477109823
2.4223904878	2.1919036101
178.3807385563	279.101462506
0	0
0	0
4.5924009782	4.1554408068
0	1.3903986776
13.6291993533	15.4155014518
8.6410103295	7.5582032585
2.0828991883	2.2380983576
43.7279536301	45.0248625083
11.1035448309	14.0658825119
84.0507904896	86.5436173283
180.1542274609	226.8962207018
66.5384067103	21.8935911167
7.6762844131	4.6305981913
45.7115710342	53.5275303638
1.6469192807	5.2157607012
5.2191228431	3.5418982588
5.9648642305	4.3178529659
71.5911758105	65.7915589832
2.7327323296	6.1817922098

gene_expression_table

6.1527476822	6.8520896323
0	1.4165059489
638.6952091837	719.4567856266
0	1.0345455249
37.010474852	28.7048424208
275.8965344068	326.7417559674
825.1897974297	582.5117925267
7.7703131055	18.7492781017
161.9172593241	138.5915538445
0	0
42.7026085105	34.3462385518
1.4087394074	1.3905817452
28.2935835315	26.9489377267
8.5222300863	19.2783811965
27.7485432436	38.2331089131
30.7482779931	39.5937352196
0	0
6.1199907331	5.5376826524
94.2510200759	38.3774286144
218.318384751	183.0911484845
3.7446891607	1.3553550068
20.7527106913	7.3479603581
45.573585611	53.0194194512
108.7713364067	85.1216470255
12.0740182571	10.0847937692
25.3566893065	27.0411873646
0	0
56.0294082479	55.7681220725
6.0451866202	1.6409988121
74.1553133812	109.0367603327
100.2523447623	94.7451925237
8.0898574482	21.9603583754
103.4089155833	85.063372702
0	0
0	0.0770496168
2.9436635064	5.707667723
0.9631672767	0.8715233327
5456.3117380576	5813.3361888899
2.0610337488	3.7298588624
2.8370148088	3.8506155588
183.8184852133	177.9327367109
4.6023604456	4.1644526457
8.5276262673	5.7871764157
0	0
113.6993101634	165.3444461316
0	0
35.5343944546	30.5044595893
0	0
10.3054883061	7.0505616019

gene_expression_table

1.8383780892	1.2475943466
26.1845978244	4.7386344018
1.005069015	1.4838201925
0	0
3.680103841	1.849970775
1.2749832136	1.5382272582
17.8822090968	20.4735935738
0.2844943938	0.3432335631
0	0
24.4717509355	22.1432999721
3.0346430286	2.7459012258
13.4727203039	9.75264869
4.4896432809	4.2559108457
0.4078340133	0.2767719069
0.1509584417	0.0682974844
0	0
0.9060909632	0.9838532953
0.7271396914	0
0	0
0.7873908893	0.6234128329
2.2984822201	2.0797850311
1.6241020063	1.6956589601
0	0.6979927801
28.2874884036	22.7519783599
3.107341925	3.233435369
0	0.1165941185
1.251164852	0.87086028
65.9785555068	51.7406875983
0.0190421426	0.005743
0.303510597	0.2746320119
0	0
0	0
10.2662927896	16.1816577524
17.4009294806	12.9336037482
0.0926778515	0
0.5060106441	0.3433983589
0.4668457503	0.8096499609
0	0
0	0
0.3596710935	0.2169659467
335.6066588949	335.6398841531
10.2528214828	5.5663683956
57.7042256968	107.8626230541
1.6267206944	1.1959517558
3282.9462293675	3176.1321835094
0.3154811752	0
0.0182276155	0
0.0519442817	0.04700186
0.9506415694	1.0165875057

gene_expression_table

7.7905050768	2.8197000093
85.9794890302	59.8451289363
7.6018679891	7.5038852463
37.9559618734	36.7631354864
4.5515700851	6.1777423694
3.9172447589	3.2913443687
3.6389134089	3.8913445666
0.3675355293	0.3325650665
0	0
0.3564741187	0.5160898123
0	0
4.8062121141	2.4160600716
3.7447683128	5.5809915212
0.410854453	2.4164546804
12.0728654595	16.386225209
27.4597966624	21.4893297822
2.3471779131	2.1238474008
2.9953112696	2.0560986263
103.1870807484	71.8222941495
13.3911330288	9.4663957001
20.3100310957	23.0301088772
0	1.5772802202
65.2878679461	71.965094354
45.8299765586	56.0603796966
3.9751479804	5.8858666695
0	0
31.1064967195	27.141518082
15.1214277037	12.1481438117
2.1783563988	1.4523813716
10.475394997	14.0545894893
18.0592128512	10.5946529626
0	0.3276174219
10.2689033698	8.3626491406
8.5098033874	11.5501622427
0	7.8672409243
1.6901452224	0.2184757715
0	0
205.9983621106	251.2319820405
54.3547077807	41.6163318174
0	0
108.0745030203	106.2949713636
10.9152552926	9.8766848703
9.0080620957	14.9434235313
0	0
0	0
0	0.0765301611
0	0
1.6094934261	4.3690575102
162.7436744133	164.6765680491

gene_expression_table

49.5858902837	57.6872563474
9.1959666265	4.7548479897
541.7945480362	567.4473129162
2.3859456922	4.3178529659
0.5395642789	0.1627418448
0.1974297416	0.3572891866
0	0
12.2657065219	11.0986426594
0	0
0	0
36.2260903979	49.1688470888
22.1135939996	20.0095181863
1.8092829747	0
10.8200891526	9.7905736481
37.3385998919	28.1549060426
3.5315615397	6.3910773487
3.6584899468	0
4.367742343	3.952158109
0	2.948154409
146.8797775948	120.2468233096
0.3675170132	0
2.4996958186	1.3571120717
18.1189995202	18.8060333951
155.4841838615	150.0279314306
4.8931777192	3.3734088267
0.7730497544	0.6994952118
7.098633429	4.659975114
0.2879484084	0.4559634496
0.9196148794	1.1649608343
42.4662663188	17.4662108135
8.5481316242	2.9005460713
11.4992293367	6.6889894157
3.0697446755	4.1664945042
555.713111698	393.5252580702
0	0.2751796502
5.3529710551	2.9061862584
86.7971468764	61.358223849
10.6518987645	10.4251933741
0.8706843652	0
0.2854899275	0.3444346433
43.7555885271	30.7940180285
0	0.061250901
0	0
1.2862609458	0
0.2159666342	2.1495950068
0	0.1111181429
0	0
0	0
4.1484384156	5.0049608353

gene_expression_table	
0	8.0108224778
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0	0
0	9.6293475152
0	0
16.6021525521	8.5842755735
0	0
0.3386735819	0
6.6908060051	5.4682967561
0.2399996366	0.3474624409
11.2984444304	10.2234141275
4.9675200255	4.0862434825
1.6910345156	1.7851575917
3.4649546774	2.0901795711
0	0
15.5878386403	13.7448655776
3.6508610996	3.7164229395
0.9706967771	1.7566728244
0.0158945732	0
1.3545842754	2.2981829662
1.1269717415	1.2746775556
0.9395059666	1.0626417015
0.2062913363	0.3733260406
65.4404680808	58.2588412099
0	0.1259112396
0	0
10.1629294755	12.0254622803
0.4610638421	0.2781295323
92.5765095669	58.6375939743
10.1015863659	2.4928460019
0.5259005121	2.379309275
2.2361384348	4.0467463298
0.0309282419	0
97.1375360036	106.9389688598
2.8846824048	2.2086384979
0.0494838234	0.0895510213
0.7901664013	0.7699819455
2.1294218588	1.9268105135
5.1652317351	2.4926760337
65.838415102	45.580097536
1.5050024275	1.5320291276
2.115707646	1.9560186049
3.3452693878	0.6053943891
33.5361957251	32.8057040277
0.3721146667	0.1683542528
0.3288085618	0.7438072817
2.3436589057	1.4137754812
840.9387707457	826.414108462
4.9980928901	4.5225317324

gene_expression_table	
0	0
0	0
1.6192284455	2.1311436364
6.6774504002	7.591357485
7.0920198847	4.8129184992
0	0
12.1381513376	8.78657933
3.4964566243	2.5705663261
10.3182870635	0
7.0394353384	7.1814607652
0	0
0	0
8.5608186822	7.4539573728
0	0
12.735920193	3.8413720647
0.0826454243	0.0747818342
58.2648890852	55.1174832451
5.367321788	5.767246992
4.8890377983	4.2315116336
19.5777038636	15.8071542555
0.8863050263	1.0692992158
4.5539852387	9.8896326438
0.064113241	0.0580129608
5.7086341276	7.3568758473
14.4940132417	14.5370300513
8.7839000047	8.4156616489
1.6619213517	1.3215141724
0	0
1.4151365575	0
0	0
0	0.9308867186
1.022392902	0.2312784318
1.0912738015	1.7280212439
0	0
0.8204220691	0.4454160724
20.3902282528	18.4501281454
7.9689766974	7.2107403327
0	0
32.9114516458	22.3349817172
32.0058078557	27.5759366454
2.9757987594	1.2822170961
3.943258894	3.5680636333
0.5521935473	0.1665510489
1.3055396097	0.2953298609
0	2.52690888
14.6192965007	39.6848760822
4.3806904127	4.1163308886
0	0
0.449818107	0.5948733068

gene_expression_table

0.1334393458	0.2414855782
1.7748502537	1.070650582
1.0580492213	0.7180330503
0	0
0	0
8.4766260052	7.6700875584
1.7714120135	1.9234377315
0	0.1062521967
4.1446084533	4.6878188493
0	2.7502677895
0.2389032095	0.4323438438
1.0980701368	0
0	0
1.0408335606	1.4126996765
0	0.2625558936
6.079009872	2.3574004542
0	2.9463998163
17.6388684833	8.2872118704
7.3240636347	3.3135948978
189.8574905673	164.5339787057
19.3377523676	17.9977307517
12.3109865269	10.5826336219
3.4592884858	4.0507723815
3.8581705912	4.4220237188
0.1385846931	0.0626992821
3.8434156326	3.2731485278
0.1145207487	0
42.1804086656	40.5359915916
57.9388581174	38.1280446017
274.9206782905	175.8765883596
0	0
4.2971969392	1.9441624981
2.5559438749	1.1013093284
0.8625047164	1.105621444
8.5987414736	4.9277031496
7.7347179186	8.0755049201
0.2149849026	0
0	0
0	0
25.2394036001	27.4054939431
4.9328232297	0
0	0
8.9036154848	7.6088690852
0.0862148799	0.1560233228
19.3055038265	18.3004523914
57.491985322	43.5283677666
3.1210905393	3.7654978447
0	0
10.6097472627	7.5576400574

gene_expression_table

1.0586794066	0.4789738122
1.6404382626	0.5397647216
0	0
5.3321687628	7.0764038095
0	0
35.7606762583	30.4705448457
20.9756429152	2.7114059239
5.8960316631	3.9518762646
25.8736427154	21.7971966594
1.4379298476	2.044606058
4.1753878911	3.6521690358
0	0
1.0760820082	0.9736943942
6.2403507978	7.5643006616
0	0
295.6906271739	230.5098713315
0.3944538204	0.3569221219
0.4758373845	0.18452664
0	0
0	0.0795252966
3.6459561247	4.25683714
0	0
5.7091530943	0
0	2.0365345844
85.7645174383	60.8660001999
0.1329087489	0.1202626777
3.023141321	3.0774306247
0	0.097980076
6.5431911272	6.8314801777
2.5069097233	3.6861190684
1.9634043746	1.7765893478
3.6934517835	2.0887658128
0.1166915238	0.3167654928
0	0
0	0
3.319694632	5.0063843168
1.0361153221	1.6406783387
7.1311815679	7.0671992365
22.1009965976	23.0747531636
15.2050163467	9.1721876633
0	0
1.0760026482	0.4868112926
3.3614546834	0.6083234468
4.0595597963	3.6732986765
2.9127685981	4.3927049455
942.2313357208	893.8938365629
0	0.6933372955
0.0953505075	0
1.2137208903	0.2928632373

gene_expression_table

0.2765957669	0
0	0
4.2070524532	0
5.1462398828	6.5615484311
0.1410594198	0.2552756486
151.6665218477	160.8969997577
2.4015426753	2.4834736414
0	0
0	0
0.0586959726	0.0531111375
0.103181307	0.1733898362
3.1266643134	3.7722224283
12.051560936	8.9221685808
0	0
1.6778772515	2.2083341219
0.5138701385	1.1624403842
28.7835425624	17.363220662
8.81199811	6.7922829097
11.9701664722	11.9713515258
0.5447913785	0.9859105667
0.2375457165	0
2.2700974057	2.3108636136
34.1131160634	38.5841293071
0.7751068612	1.7032945708
19.1012029957	15.5975320562
0	0.0603794018
0.787423115	0.1425001937
35.7364144118	30.8882601585
0	0
10.3761770976	5.7376606036
6.1967219546	2.915698766
12.4420991538	19.9578099965
0	0
23.1606602234	20.9569576051
1.0453015642	0.945842664
11.0677473224	0
0	0.976250495
1.3475623818	0.9145078584
2.2780251709	2.6886188347
0	0
0.6890791284	0.9832340363
1.353814411	3.0625024226
14.1536038415	14.3381702359
42.5873741119	41.302973375
0	0
0.8614954913	0.5716520095
0	1.049597348
0	0
1915.3247706472	1707.2175150849

gene_expression_table

74.7441491176	80.3134200255
0.6968219461	0.2101734557
0.5082328385	0.3284823103
16.1487485778	12.481270394
10.8340941484	10.5875057763
1037.3665026151	1287.8854759726
2.4029818872	1.9185368022
2.3249709645	1.7123574272
1.9891916798	2.399897372
5.3438097088	3.8829358733
5.55583798	7.3474581395
1.1572981604	2.0943658988
0.1419298548	0.1712339183
0	0.2340958497
1.3314526289	0.6023834387
958.6976066011	997.4251838023
1.1219669262	1.7766235025
4.5550608372	5.7344744698
5.0741724185	2.6236413749
2.0178956122	3.0431597076
0	0
33.983054133	30.7496167159
1.0820006853	0.3263499726
9.201213732	8.3257318331
58.8763391143	44.2063692188
8.4394983119	9.2965995778
0	0
5.4529532007	2.4670563781
11.1410936352	12.9613307505
1.3176246643	3.5767638698
43.0385189019	23.3660804307
2.5563277271	1.6522120849
19.1722180128	15.1795085584
2.8427497811	1.6076664609
24.4106502961	18.689857127
32.3935566335	52.7604436013
6.8535463436	12.0583585302
0	1.0176001421
10.1224446558	18.3186179897
5.3596568613	13.5791415919
14.2588146745	16.8719893653
21.4059708666	23.9266889023
3.4814493433	3.1501945794
35.9499929121	36.3563929013
2.7915541773	2.9469322397
4.427170894	2.5752420779
36.0775162303	41.7712953406
1.6189589334	3.4181405572
20.7548888247	19.3491854933

gene_expression_table

985.7995161733	824.7965066809
6.3352400815	2.8662256716
62.4650797274	32.2980683629
2.0490695063	1.5450863072
7.5381337679	5.1156686037
116.0378874534	114.2614997437
7.4771509887	6.7657111138
3.2350460993	3.1933486257
4.0605766351	5.1439062705
0	0
33.0990424404	35.9396609166
8.596256595	9.3340025692
2.1286924289	4.4943511382
2.0562120057	3.3490196457
1.5629413934	5.6569193116
12.7678966564	5.7765250721
6.9114438218	5.5589601319
91.5243484988	68.201363914
1.5711322633	0
73.2781126744	61.0711393758
0	0
0	0.6728078404
31.7098578048	22.3165535145
39.0073734277	38.8254673942
426.2796292187	359.3457518606
11.3145078773	10.2379491612
14.4447351181	13.941695896
4.0497940158	3.8171480163
1.5778640344	2.4475416027
0	0
2.3212862602	2.567179145
5.4601652429	5.6143620264
0	0
24.8954737537	34.3828673424
1.762946092	2.6586739579
0	0
1.9914905282	3.2436056616
0	0
2.8080947307	1.9359304105
7.3399863704	6.0881310475
3.9543964544	5.084727354
2.0930649256	0
7.8021700041	8.8247563124
0	0
1.9656046514	1.7785802715
2.6554173589	2.7031031084
1.0508919154	1.4263516523
4.4403924914	2.9095106815
14.44837066	9.6997896498

gene_expression_table

0	0.0808554508
2.6387899119	1.705509249
25.7599032118	18.5411596853
0.0952117484	0.0861524912
2.4326899388	0
2.4351938201	1.2241604024
26.7380413703	25.1427388155
0	1.3354071863
16.7144990691	27.684864913
6.6330505127	1.2003851103
82.1751081287	91.1463929592
34.1828809856	21.8332449449
6545.5396777907	5684.3519359155
28.0518096923	33.8436285666
9.4720133571	19.9984523055
122.0185438015	96.0075300408
0	0
46.9675822041	39.2295564144
0	0
2.6961208367	1.2197944603
1.8099563215	0
0	0
0	0
1.5192635826	1.775664366
37.0199486529	30.044199
45.0421644472	45.6472452969
12.2730149587	9.1387000107
0	0
1.7418884799	15.7615036334
5.1898827595	0
9.2420130328	8.3626491406
168.1671562472	202.8883995564
0	0
0	0
2.7982748725	1.4659081399
29.7840123416	26.0207934967
4.274318647	2.528830776
308.4077281312	275.9965597914
0	0
0	0
4.8006973804	1.6707377361
0	0
0	0
53.4154839719	62.1425308526
3.0002175422	5.4295025471
2.9594437947	3.2134285055
87.3958082252	59.3101695992
28.7619611496	25.0243298267
6.4861998345	1.1738094997

gene_expression_table

8.8609569586	8.9087222102
6.8185806322	4.6273520657
4.2219656826	7.6405037652
44.8391805505	44.2612349851
13.2123682379	23.9104618222
0	0
0	0
131.7717221974	178.8507561318
5.117522942	1.1576495478
17.1049196898	16.2711252684
137.5184991305	136.2846567312
1.7301147762	0
221.113830475	221.9583984083
0.9761412516	2.3553676081
127.6882083128	155.0653172757
0	15.2710647118
74.8688026055	67.7451465984
0	0
2.6907755835	0
0	1.2965856849
54.7058789192	29.7004171954
40.959086916	54.6175225198
0	0
75.9718991646	45.3080743026
39.2427944857	31.771121537
10.456012117	13.6003858818
45.0976121325	70.9680711913
0	0
0	0
470.1149241049	440.3099441255
14.4376603815	7.2577435093
149.9299463866	178.059437579
7.4574958273	9.6398944457
0	12.257971628
0	0
0	0
1751.5218558096	2080.8119563639
0	3.4691460894
60.7619267351	70.8959325688
57.5843581735	79.5291291768
66.7991968306	85.6280818531
0.7522651861	0.6806882646
1.3225215652	0
23.5163810865	12.3193238783
0.1608340176	0.1455308983
960.1468723267	1189.8649970406
12.7466495845	8.7876759618
12.1482580414	28.2660923017
15.0088035261	16.2968856414

gene_expression_table

1.4782226857	1.2159745273
2.675602037	0.4401859008
3.3959136596	3.6215113271
0.0351126848	0.0317717647
9.4553408797	9.2950588382
32.7978140978	26.9792277453
23.0822144377	5.6961752237
47.2333936197	54.1872075661
2.3201173424	2.2743084037
0.0781381412	0.0942712166
0	0
6.7340995088	9.7112923167
12.4648081228	5.2634400173
51.849225819	63.976157113
0	0
0	0
0	0
10.0391745807	9.3678357552
5.2597634766	5.7111656988
2.5861691361	3.5101484428
50.114832244	54.9074847731
3.1073529549	0.93723097
2.7342687233	3.2988094561
4.3997494109	3.9811197517
0	0
49.1903336076	41.7280743802
7.1723681759	8.0523179942
0.4666105968	0.6333199313
2.1925793829	2.5582625245
0.7872474995	0.7123420624
27.4054291089	31.4999627291
1.1044428282	0.9327329424
0	0
3.004264001	2.3408553959
0	0.2618026595
0	0
0	0
0.5962792124	1.3488603146
2.3694967735	1.8224362564
3.4922439387	5.1045541374
5.789992721	3.9293125979
26.98618622	16.7073882043
22.7014025913	14.25814661
0.4202620624	0.5160871577
0	0
11.4596606161	6.9128605542
6.7714214314	4.5287487648
7.185611685	7.0929941939
19.3771621981	18.3887442604

gene_expression_table

0	0
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0	0.0384194778
5.0655773122	3.9655822874
0.7748716293	0
15.6405837853	12.1867934829
3.9999375457	0
6.1887838421	6.9999127483
0	0
8.2452997501	13.0563503961
3.4118149289	3.2929981619
1.4171124053	0.9617071895
2.6595420844	2.9221671359
7.0628381497	0
3.8577285343	4.0142720653
0.4469513964	0
6.0420573176	39.6369425259
3.7252117506	2.8892257317
1.80619699	1.9975266833
0.2989337166	0
0	0
0.1800330439	0.2280644318
0.6395894154	0.4629867416
12.4282044495	10.6538012993
0	0.0278730253
0	0
0.9713661212	0.1883447291
2.0655689718	2.4564435481
467.1784743014	362.3375420286
0	0
509.7149463684	441.9454449702
2.8292930356	2.1943628412
3.6528313759	3.011468099
0	0
9.9042480894	7.9661097863
4.6868159035	4.2408722915
0	0.0773753899
1.337470844	1.3963990019
0	0
0	0
4.1667861202	3.1589189134
3.8414329681	1.6042736741
4.3327216649	3.8051616675
0.7191471761	0.8947419033
28.0753821728	22.1546956559
3.0499434198	3.1539952084
1.7671263609	0.7994934486
14.1822231659	15.6074662398
0	0

gene_expression_table

0	0
0.9260809386	0.5761014221
17.2145533112	14.9943106583
45.5520632565	33.9441131693
1.3042488404	0.5192666553
0.5117792205	1.3892525503
13.6535015071	11.0187811632
9.4423845806	8.5439556316
2.9526193888	2.1092226428
0.0690424849	0.0624731944
1.4178985487	1.3899032286
28.6055442387	20.8740072153
1.9701562671	3.0900112666
0.0668068945	0.3929270616
31.4180891412	21.1509560404
0	0.1677328773
0	0.7782724426
0	0.0187056835
0.7396796546	1.2270504176
2.5412906549	2.9126880957
3.0910190538	2.877983102
0	0
1.5449023621	1.2425841633
3.2321794213	3.8995230965
6.4704834796	8.24998284
10.688305148	9.6713286969
2.3459513459	1.3267109623
22.5395691663	18.6324348262
0	0
5.9152249114	10.4230947295
0	0
310.5449867805	255.2995428916
2.6566019497	9.615320789
0	0.5136101557
13.350161645	9.0599351092
0	4.1076028137
145.7386472472	99.6364939121
0	0
1.5596222189	2.6342894067
0.7495406145	0.4521486213
3.3262537976	3.4110677489
0	0
1.3288655572	0
15.8536902801	16.0329097746
117.2806777616	102.5155208658
0.3359983858	0
0	0
0	0.7887814688
0.1113985108	0.403196428

gene_expression_table

1.3394590689	1.2120115165
0	0
0.989365148	0.8952285152
0.7829857133	0.5313643342
0	0
0	0
10.3423631682	7.0187269392
1.2007007531	1.7072877635
0	0
0	0
0	0
0	0
0.7073795984	0.7467523866
2.556183769	2.6020874905
1.991001352	3.6031210271
4.8913668277	2.4141602713
0.2749443218	0.3317117008
0	0.0100993233
67.4479562645	51.3940065921
302.9077766314	218.6166521762
2.2354246612	3.0340909588
11.5621380026	12.3082560538
4.8939397594	3.3212164637
37.2829418426	36.5468187316
0.0916265239	0.1658167909
0	0
3.9355473485	2.0031107794
4.5783406207	6.1580947281
95.3713989854	85.4979053649
0	0.0674612813
0	0
0	0
90.1104543175	124.0774007834
2.0343081299	3.6814934309
8.7064839477	10.3020978902
0.2466932901	0.4464415756
0	0
0	0
5.1918834853	4.3063931522
1.521283327	1.6346358646
0	0
0.2900665601	0
171.1052287276	129.5697065887
0.457533528	0.8279997769
2.9949826353	4.2908562288
0.3067522635	0.8326957158
1.1428108163	1.128080787
25.8071608554	19.830367415
0	0

gene_expression_table

12.7250436917	6.4767794489
213.2032505951	144.1178705945
2.5811233605	3.2697465981
264.527367922	217.0141774454
17.9966494963	11.2939464441
3.0296019189	6.8533494255
0	0.2793625377
7.854644734	6.6067737257
0	0
0.1488098109	0
0	0
0	1.2775145581
11.6587220724	12.0564707245
33.018924715	37.0217760637
117.2734600655	77.6451684301
0.8717664648	1.4198745114
66.6593165402	45.2375857568
0	0
0	0.1201160546
0	0
0	0
3.8000763664	2.6294447796
85.2039650368	56.8082668532
2.6444438638	2.3928289353
0	0.0630138155
0.5584924938	0
11.7729573895	19.7837303474
125.5577319733	172.6738229419
0	0
0.9693585521	1.4253289657
38.9342464685	26.5884606885
323.3063279887	317.4415877469
5.2294114365	5.3233207433
1.2399514574	1.3259667995
2.0889408143	1.3501294148
1.4781852443	0
6.9895997018	6.0303845137
5.4404988935	1.8460662967
3.4767205785	4.7188736245
0.9845906378	1.7818165852
184.4782331214	132.5584072036
242.473047545	167.9797290897
0.2719311491	0.2460573018
17.2154075608	12.8682761792
1.4614903243	0
8.3236063705	5.9809983216
0.9058209417	1.6392668335
1.8608185411	0
13.021256879	15.0813485002

gene_expression_table

15.0037322395	15.5155991695
520.095872884	421.0716745535
3.5975978074	3.2552916887
19.1181083359	17.29904856
7.9892733063	5.1028981759
85.9270237355	50.7762901668
0	0
2.1518025215	2.4879121584
12.304697058	8.136328568
1.4900644858	1.7267535908
0.1404936798	0.0635629568
2.4624050814	2.5066247334
0	0
0.3535612346	0.7998010131
95.9196105698	60.7551008898
114.3197485426	103.4423932878
89.7297534302	74.6967319058
0.3369737909	0.5042762688
0.0189920555	0
2.1486933975	1.555398715
4.291824653	4.3688968595
355.66984229	349.8881519862
1.1788278755	1.2266637655
374.4367548425	345.5187525513
3.2267161226	3.7538985195
60.7919079489	68.7595596008
0	0
8.3929289755	2.8478828166
0	2.1077409505
19.7448826204	20.9289609735
0.9963504564	0.9015491818
12.5914344556	15.0624320132
0	0
167.310071569	136.4385909768
0	0
0.4608259852	0.4864755854
0	0.0172136708
7.753407005	6.1005928505
0	0
0.8473527103	0.3833641756
6.1814007993	5.8876312016
5.7162231598	5.5806750438
0	0
1.1517709025	1.3027270025
0	0
5.0347507084	3.380036681
0	0
19.7684506138	20.3211867958
0.0716246955	0.1620242787

gene_expression_table

0	0
0.804835498	0
0.9096896784	0
0.6611559038	2.3929915837
0.2590380283	0.7031728274
1.8000194816	0.814375143
12.1359427373	13.0402055275
1.991001352	7.2062420542
2.2190202141	47.1852673641
3.1394472617	7.5752893091
0	2.0515672795
1.7664577647	2.1977751359
8.7515683936	5.3992292622
0	0
2.3581320739	1.600319467
0	0
1.7949041542	1.5158468962
3.4799339096	3.3456247956
25.0344164512	18.1219429559
1.7688217178	1.4774039478
0.417836022	0.3240681785
5.5756407405	6.9370492919
1.3110694784	1.1863231536
6.0862133488	4.4480577639
25.471469811	27.6574764875
0.877921856	0.2269682537
0	0
0.0828622749	0
17.0680725455	7.315612412
7.570511454	2.6639621823
0.2609569201	0.1180636272
8.3368957155	7.0999081407
0	0.098591793
5.9569227962	4.9214233985
0	0
0	0
0	0
0	0
24.6598989833	21.2757066616
11.862607249	8.1577622422
1.9293682241	1.1109583461
0	0
0.4772749933	0.2159314912
8.0952438039	5.1274953173
5.6281048882	7.2751414561
0.1770509175	0.961228705
0	0
0.1954187008	0.1768249
55.4457330234	55.7233383232

gene_expression_table

5.9639733294	5.9154052737
1.5451828455	1.6977669037
0	2.904694267
0.1553050781	0.1405280292
8.6918261035	8.2393265274
49.532448574	44.8195092381
304.3730901389	197.5784896284
6.8589929721	6.2063699196
0	0
556.0964694346	642.0564778462
21.6491115458	20.8951792555
12.9804785656	9.396324159
39.6557132231	37.513554792
6.4549745337	8.0310907037
0	0
0	0
4.8974990879	5.9086790426
1.4574026479	0
0	0
13.4939788107	12.2100466538
0	0
4.7856429106	9.2792058315
0.6614406523	2.6334244243
0	0
13.3655014475	12.9278484614
45.5257608771	51.9216696563
0	0
9.8976914782	10.5134956634
2.6901278614	1.0818516302
0	0.510314474
20.80166672	13.5939691694
9.1427860056	11.582008786
1.0253892041	0.7422599485
0.4342828455	0.3929614741
0	0
64.0911129177	56.5247625188
9.8884520954	8.3084675896
4.535427485	3.7308075067
27.1493448228	30.4619946962
293.9793898457	296.3873927902
0	0.6412393357
3.9559702699	3.1818360361
525.1949819899	468.8303143726
13.7481838275	20.4895178989
0	0
3.1887932774	3.1258329982
84.248633	78.9550892673
46.6746072372	55.6715468747
9.481099643	12.2556957328

gene_expression_table

0	0.5623785066
27.7127961859	22.4363893369
54.1839030998	33.9427278932
0.8602882106	0.5189553719
13.9855704729	16.873152127
3.4213624209	3.095824839
2.2411233671	2.0278837882
4874.9930203961	4872.482109539
31.9331818683	26.1979400049
0	0
0.692657006	0.8774524006
103.7466692542	138.3425869813
10.5177689878	11.2473858551
14.3039783409	12.9429759249
224.5391948867	143.3509833538
33.2761013861	24.6353968464
0	0
2.3360742491	2.4020457205
0	0
0	0
63.3216707765	37.0743400247
27.8731736722	29.4245960847
0	0
6.0719171441	4.8074102951
4.9611282043	9.5393038865
1.7877234379	1.6176241928
9.4980485475	10.5041728663
7.8851616177	6.8105864915
5.3222487504	6.9562200374
7.3386642548	9.6913963287
0	0
16.283546772	29.4683826861
0	0
0.9102004372	0.4941577258
5.9585192329	6.896200488
0	18.5941344273
3.6219345641	2.7310940324
12.4388311628	8.7541181361
459.3600761416	428.0337858108
13.8027157598	11.1607473405
44.0161463055	28.1139352831
0	0
0.295755408	0.2676147176
1.618401607	1.7673951014
1.6612782887	0.4294886037
16.926639425	15.9542652914
0.2672514408	0.4836457217
20.2265128111	15.2516583218
0.142375365	0

gene_expression_table

108.8400069977	130.3172664516
1.9545666088	2.1223109788
10.1326883171	11.4607224836
0	0.0634559224
0	0
11.912682513	13.6985772954
2.9344444706	2.6552364126
0	0
4.7559773022	3.3103485271
70.9323854693	56.4370165642
5.3334032416	10.6170631581
31.9888125413	25.7289993482
0	0
33.0981038599	36.5001830633
7.7768395108	3.1985839617
4.7964092042	5.1800452969
3.1169628687	3.0218447728
0.2690750771	0.2434729809
11.5866708567	11.587817944
0.2641935886	0.3585839382
0.7380237146	0.5463833302
0	0
2.2555550603	1.7858245363
0.741327062	0.6707908868
3.0251523956	2.0529852093
15.2935617482	0
1.091845459	0.740968482
0	0
0	0
0.410951766	0.8451143462
2.4290604068	1.1835055594
7.7590968411	6.6865049855
0	0
0	0
0	0
15.594983425	6.539310533
8.6023567613	8.7568371212
0	0
4.1679925461	3.1428451753
11.2111095644	4.347595305
5.1079445984	4.799697798
37.2764286851	29.4053198066
6.0218399383	5.4488707608
27.6728297685	27.7036094857
177.6885354575	126.4973934306
0.2942315104	0.0532471633
13.2513334514	9.838349655
30.0598258201	32.7506324332
4.9601677622	3.9895245551

gene_expression_table

0.4677912392	1.2698447808
11.2167771365	7.7613956253
7.5630987887	3.2950094222
0	0
3.2504584727	2.9411821491
1.3940951706	1.1212880656
12.0638811872	10.1882859934
0	0
0	0
0.5050385236	1.1424621347
0.8199118411	2.2256953205
0	0
2.388054522	0.8643338643
4.3457897687	2.2470253084
1.4072200914	1.2733251778
6.477273211	8.7914553452
4.7276302508	4.8125286156
182.2609912085	158.9867843453
0	0
65.2964665983	47.51052711
0.6702789614	0.4332163629
0	0
3.0330820482	3.1667178119
10.6930740141	11.2237468224
5.8550940408	4.162706813
1.2301212333	2.226154029
2.3584928465	1.6767816489
0	0
2.9422689545	2.0706905399
11.4315269982	8.2750672684
36.2804397427	25.3873033293
0	0.2194928333
0	0
0	0
2.1216561179	1.9197836714
57.875645716	42.6051770788
0	0
1.0175718262	1.4322799083
16.3147111198	13.910714077
4.1161366326	7.6352092363
20.3615350049	16.5817485158
5.0158500298	4.5385993065
0.2836104873	0.5132507365
12.7066500067	7.6650873486
0	0
0	0
0.2375244468	0.3223865197
71.5449424548	101.7304307369
18.1152941492	6.5566602649

gene_expression_table

11.0774873678	4.5561276378
11.9484865101	16.0011763817
71.6872288401	77.2217796172
0	0
19.4201189112	7.5309956893
73.4712676182	77.3592261834
5.4944859184	3.480185588
0	0
0	0
0	0
87.559805181	55.7534726436
87.5593820948	53.39294178
7.9868936131	4.8179683202
127.9201888907	136.7940030611
1.9253177498	0
5.5202640589	11.6550445332
3032.1362676376	3087.852615202
489.3701170305	628.1684571331
0	0
26.1002824826	20.2430392691
0	0
6.0882103658	6.733131949
83.391342567	84.7596700873
0	0
43.8666804202	51.6006797245
2.4599659261	4.4518076019
37.7625028201	55.9136559954
17.9419381761	14.7588993218
12.7054205292	26.8252098994
0	0
0	0
12.173716698	13.8332999698
18.156247526	12.3215305393
0	0
223.9138086223	207.8615595867
18.4486677172	30.8184078047
3.7434401303	16.9362866496
0	7.881692802
1.4129438222	2.557008608
4345.763593059	4628.0490792586
34.9514787429	31.6258971543
11.3382482964	10.2594307145
61.9903887991	44.8736758782
680.4192189088	606.278665786
1.8017607427	1.6303258688
35.8569219767	32.7248887049
2.5319118967	2.4437378333
0	0
0	0

gene_expression_table

0	0
11.5744899112	13.4655355138
0	0
6.7343909106	7.6170294504
0.7765212575	0
1.6046255604	1.4519478079
1146.0742934384	1507.9758659611
0	4.9297369094
12.2530643598	13.7750102605
0	0
6.198643827	3.8060067282
0	0
35.6579826666	16.1325891365
0	0
7.0137015901	4.2309054941
33.637021113	57.0684529252
0	0
0.7942721815	1.3067242842
22.5590381256	30.6188684423
0.8033730471	0.726933288
4.0010344494	3.6203419299
330.4368515692	494.4938362929
78.5066100817	59.4726882407
11.0980451094	10.2756193085
3.9161933109	4.8935059864
8.2212948391	6.8191298778
0	1.9457384589
0	0.6444320728
3.8284066932	0
5.4660878441	3.6557373991
3.0557228235	4.6082921821
123.9623654878	106.5120237826
2.5800496494	3.7241818158
65.9571795744	54.3101207181
13.263689007	7.5010428655
0	0
1.8390211137	0.9984245823
0	1.0796839455
0.685719693	5.5842702914
0	0
9.3614025415	5.647119276
1.3084080269	1.1839149353
55.9006050105	42.1514541614
0	0.5343358337
0	0
0	0.5107685783
6.4396312672	7.769213149
117.2616709742	110.1853344577
2.7333174188	0.3533209004

gene_expression_table

11.4769383738	9.5195142496
61.0718204594	42.3667106456
102.1712738638	129.4297592486
191.7450860038	232.6488324845
0.4225817618	0
164.4222634615	175.0326210587
0	0
0	0
0	0.4973566698
0.3800360214	0.5158142328
0	0
154.932833634	137.2084117475
0	0
0	0
2.6328715885	2.9779471811
0	0
1.8447411693	1.6692167712
3403.364349659	4005.8902698828
0.0670498985	0
19.5337158198	27.9855933754
0	1.0209446635
10.649079378	16.3067980323
3.1077059529	12.3728542112
0.2023474136	0
1.0379375799	1.5652989199
5.9874193378	5.4177252296
15.6225228754	12.0572301155
1.2957422653	1.9540905038
24.487571549	31.1847918722
2.7895291507	2.8210636386
0.2829998624	0.3072874121
0	43.588396016
4.3317379701	5.7640874986
1232.8033425926	1555.5651065039
10.3685690715	12.9561160019
0.6034036091	1.528773811
16.7357889032	17.4378583492
1018.5052934766	693.6744227952
19.0186974589	17.2090964811
72.1259924818	37.2933204615
4.3311198763	4.3669082406
1.0272156798	2.2462375932
0.2019524937	0.5482110365
0	0
1.3188752911	0.7160317529
1.3562774608	1.2272296633
67.1050835747	76.6991165918
9.6216309529	4.7676519155
0	0

gene_expression_table

22.3705273041	17.7506810151
13.0381970219	12.1782005978
0.0638880842	0.2890461368
4.1867304724	7.5767385011
7.8147069672	0
0	0
0	0
53.9168890992	46.1135286824
64.1325459466	74.8180104415
1778.1910917425	1323.4015420061
2.1628251377	1.1959661509
29.162985111	26.0191048267
0	0.5165037341
17.8537174593	0
0	0
0.7777389107	0.5864485016
15.2989072783	7.1779756964
0	0
0	0
1.331543764	1.8072740117
7.4946137773	8.8454508833
616.0949976952	366.5585546094
1.2273961393	0
4.0661740085	1.1320872481
2.4633301099	1.5602635213
6.1598246101	6.9671579935
0	0
0	0
0.491893662	1.7803628257
24.0500016668	12.7568466172
0.2630864046	0.3060695851
44.280488202	19.0483719517
1.9164820291	1.9508980435
0	0.0145693753
13.227613697	19.9483763121
0	0
0	0
49.5698456662	32.0381057516
0	0
1.4992523882	0.7536670764
1.4249494978	1.3479752781
19.9149311708	18.0200548788
0	0
0	0
0	0.6285989641
6.800218603	4.4439689992
0.4247515921	0.9128006253
0.4398570367	0
9.8608123194	4.4612852945

gene_expression_table

5.4986504122	3.5933891829
85.5229227858	48.3659643604
0.6060913353	0.3427641499
2.5715697102	1.3961331899
3.8375130868	2.5665412835
2.1864315762	1.3189305603
4.7426983889	5.8363551916
2.6169985884	3.6835478358
3.4743403263	3.5367322218
20.3397022502	10.181162767
21.7727851278	14.5166270976
13.408682415	10.2171503867
0.0704758813	0.3188510265
65.6059460482	46.2159859799
4.2764773889	3.4826191925
2.9071099194	1.4796577707
11.2311608668	13.6911896123
0	0
5.4298689646	9.826449902
4.1303193009	4.627164928
0.860752455	0.41233401
11.0543625598	12.3108385065
0.3452655246	0.2343105149
3.8471543057	0.497300465
0.6729007291	0.4059168123
15.6757130026	9.321040496
3.0027535771	2.9111207234
0.5801973865	0.1499978463
10.3504426618	10.0345857078
0.1044527023	0
54.9324469418	39.7645645884
1.9468725941	2.1139566502
0.2951123184	0.2670328171
6.659329372	15.4258022817
1.208256939	0.5144908591
29.2432196052	29.2461147012
0	7.8676015753
0	0
21.2041087536	29.5177986436
3.2304797338	1.8269402235
0	0.6295581995
15.5305169923	3.1228469411
0.6834960189	0.8246165094
0.3332204615	0
15.9219939392	19.6711503983
0	12.9684041683
110.1314715233	117.0183635206
0	0.902689603
2.7320345394	2.0226153989

gene_expression_table

23.5014285318	22.9441419684
16.9981257178	20.5077055431
0	0
7.0980578486	4.6243354508
0	0.2065756313
0.1280627225	0.1158777435
32.0393517586	24.9921161657
17.9559898171	26.5868245671
12.0196547413	14.6826031623
4.5851847604	4.1489112016
0	0.6367240013
2.4053775237	2.6118112853
0	0.6198917896
5.7239763265	5.5030577088
6.2290779839	7.0454880155
37.8716623173	54.8291673183
0	0
7.7612143478	4.7701672735
76.2926334817	70.6771568805
0	0
225.9173532708	278.108524824
0	0
0	0
46.7995911608	53.3637013957
0.2594710636	0
6.2975784098	6.7344409646
8.9036997251	4.6840266539
0.3066958417	0.8325425558
2.8806779947	2.08526859
414.4148662769	472.3996509601
0	0
3.7690668839	6.8208914716
137.9289907408	128.0053855951
6.006610913	3.1057661456
31.5721721527	32.3492021747
266.7751119397	293.1186798481
22.7477515952	39.5833396599
17.6977897959	19.216645478
27.1223192097	20.1875032265
18.6292091683	21.4539403606
38.9738287227	45.4739683473
1158.342992242	990.8535929286
1.5098890518	0
0.2540980844	0.2299210269
0	0
20.4497687196	24.4150045187
22.3473328464	17.7322765575
0	0
80.6998485218	68.7260019827

gene_expression_table

0.3926491713	4.6187593725
0	0
5.9412888215	2.8461091573
21.2136959525	17.5616063129
24.4009704502	23.1182778699
209.397200871	189.4733664306
0	0.811821144
0	0
12.0836976253	8.2004637304
0	0
2.2343120839	3.0325808829
0	0
0	0
10.0217913505	14.358035113
0	0
9.5850593941	8.6730551473
0	10.463115073
0	0
74.5736301462	55.9574150812
74.8991972215	87.136263272
0	0
0	0.8802397282
0	0.2708791153
0	0
13.0982596883	8.8889847161
0	0.3565076677
89.0111925901	92.6622934335
14.4134926231	3.2605175212
31.221345877	21.4315510444
19.1153703108	17.2965710539
12.1973453318	9.197321613
13.8724266082	13.0352736138
16.6563179864	13.4850208819
0	0
0.4367038689	0
2.4383139504	1.8385933156
221.9497902154	215.988696978
446.4405740001	446.9371374053
43.5199341022	38.621786704
9.9830314899	14.7111475655
0.7801335637	4.2354300428
1.7859180988	1.615990629
0.8222530381	0
2363.9696906214	7781.8875984234
25.4730869445	15.9250125975
0	0
4.5524221997	3.0894494625
4.6350751831	6.174580419
905.5408473463	891.8671150223

gene_expression_table

6.1550295519	3.9781339852
62.4950385027	70.3038238475
13.5055613327	8.5543689812
0	5.5469896821
38.1716631307	34.539685753
102.5920696677	166.9744951285
20.3424509945	22.4973183388
91.1878619234	99.0137658252
3.2592556479	0
13.263689007	6.0008342924
229.2007133274	162.0254718134
334.1234635362	256.9822929813
0	0
1.6725963439	4.5403538152
47.4441284176	27.7255537392
12.4300001107	1.2497004395
4.5282612997	8.1948078481
132.4575471632	142.8052510774
1.8192092154	0
137.3739218587	137.1619266842
128.7358050684	93.189426659
13.0979797182	16.7899455777
1.1564725672	1.0464359102
24.576178396	37.0629855232
22.1922272873	20.4822830254
0	0
62.5890761686	48.0156283028
0	0
12.794822461	11.0261085698
10.2123163894	14.6169958585
15.0069167051	18.1053743223
6.1024989506	7.3624735829
3.238052606	1.2818560485
0	0
3.1798742239	2.1579854155
1664.6374794074	1485.8028532016
30.1831242522	42.0172993105
2.0830664655	1.5707214729
0.8766588499	0
54.4941728152	55.4727743379
135.5087516828	133.3441323007
5.940577324	10.7506803285
27.1695677984	28.0964840508
7.2932056525	19.7978037141
0	2.8203023806
95.8970942293	78.5085675818
823.3934426215	927.2909182706
23.597974307	16.9348697823
2.9421371058	8.8739903498

gene_expression_table

0.7613263362	0
0	0
0	0
7.8049525184	3.531161406
1987.4717928319	2187.8748004054
27.3368322683	67.1399554132
3.3673897427	6.0939751628
17.8703916806	8.0850251509
22.8141744487	22.0671249188
0	0.9214654459
118.2158431583	120.6815982357
5.4007247484	9.7737075279
54.3775452159	69.5637132987
68.6603681137	65.5517823178
14.7705150701	11.0407532648
0.8619908961	1.5599474706
0	0
0	0
32.5307868623	47.4239103007
5.5412297409	7.0195858795
152.4057004376	141.2680480563
0	0
22.0727048529	13.1247985821
3.4896096407	28.4182059293
0	0
6.4861174491	11.7379459042
3.3295431099	6.0254839997
32.7621060803	9.8816133558
5719.2285445235	6181.5455665521
31.3091371411	64.386634039
44.3242265552	25.0667761583
19.4268762736	22.2946038924
0	0
5.2555478978	5.6471447031
3.7891333353	0
21.2472887823	14.4192304733
5.205158012	4.7098949138
3.4289207774	0
42.759110206	39.6701539884
1.1576654692	6.2850918559
5.3455183952	15.4780806839
7.3575682843	1.3315013054
71.4198638841	83.0884748183
47.3191067278	92.7696544668
0.878019974	2.3834330102
7.960625715	9.6042452452
2.5232492382	0.5707914498
3.4131451749	0
71.5732818339	67.5789806208

gene_expression_table

0	1.7345730447
303.7734040805	351.6716728634
56.6688834182	43.3881654846
0	0
0	0
2099.6762302662	2139.72410961
40.004997489	17.0346263785
2.2466981687	0
0	0
91.1878619234	85.261853905
23.6851589411	32.1473265666
12.1714223995	14.1599951126
25.9263578992	5.8648758078
100.5777365463	73.9439296698
0	0
1.5817495563	5.0093694766
69.4397256318	51.1969645256
302.932153565	261.3593689897
0	0
51.9249435457	47.7545972863
0	0
6.9029418564	0
79.7270923921	69.1966394377
4.8520312297	4.3903676233
66.7809973981	40.2845894087
0	0
22.5633990454	22.9685905645
43.1381066819	16.9711215366
6.29152993	51.2361013326
0	0
0.8313423309	0
142.5864085015	163.8896634542
3.9751315705	8.3927752342
11.3188967477	8.0154159942
0	0.5748426127
4.1145115363	3.1911615768
0	0
3.4192776911	5.1565641135
22.9454965972	23.7283045488
0	4.416511255
34.797746362	43.9041186769
30.4711914843	24.5083578775
0	0
0.4431031648	0.1336475177
4.6748022774	0
0.2655224057	0
73.1870712398	112.9693797159
0	0.8983692403
0	0

gene_expression_table

3.0467526396	3.1371149873
158.0438570876	125.9504300683
13.2697206983	16.0095018261
1.5928010816	1.4412484108
30.9111396351	27.9699903461
1.4575482425	1.3188646797
9.032693334	8.1732459021
419.0969654037	357.9558066521
34.3403214524	29.001364539
0	0
132.3504173057	222.4067310112
0	0
0	2.2860321114
1.557269496	0
26.6349941521	24.1007137911
45.1425059027	26.1422484027
0	0
273.6857669162	247.6449703533
6548.594150813	6443.3933693788
107.69462779	167.0531022709
30.2002118606	18.2178041997
0	0
17.9211520439	17.2294796973
10.5541506856	9.5499388334
84.6712032451	65.6698828222
108.6745916747	108.1678012355
4.0449287241	3.4674250066
5.9307169436	3.130410491
30.0910540893	27.227934729
0.9700191415	0.2633169758
6.2276881312	6.0620368023
10.8864780688	17.7311623624
0.975032272	2.6467781736
16.0864199404	16.6142197447
23.2362763302	17.8715721084
1.5879903031	0.7184476854
4.545298301	3.1637075998
0	4.1910588709
2.1825067925	1.9748444941
17.6559641537	22.5543885707
0	0.1186745842
158.2883640935	146.3411004334
2.4356288736	2.0878885734
0.7663046775	0
0	0
50.9887195977	38.6046111674
6.0329382682	5.458913101
0	0
1.0631053561	4.8097622571

gene_expression_table

0	1.7595409094
2.3882890666	0
1.2705973765	1.7245528686
2.9320855924	2.6531019782
5.2488965877	8.141951706
0.4736877993	3.0003197332
136.4227855547	97.4544939224
20.0780613409	22.2049219995
0	0
0	0
43.9028366427	44.9071395993
0	0
0.8204728192	0.7424060421
0	0
17.7713454707	20.1985866322
0	0.3387083522
37.3020059002	34.6528491269
0.7167072814	0.432342428
3.4728310739	3.7708755908
4.7032979804	2.7082275329
0.6901635718	1.2489910542
4.8368650416	8.7532889513
0.2213834958	0.6009575493
0	0
5.1181811905	5.2486863162
3.6123416764	3.2686327003
120.7786250641	77.4942176838
2.2869325456	2.3280010774
0	0
8.9246745215	30.6869186963
0	0
0.3678946476	0.4161125189
0.8703934895	1.7326690356
1.0703742926	0.7748238075
9.0558199443	19.4611586177
0	0
11.2015799676	2.5339415438
2.659230468	3.7811849679
0	0
2.8070399361	2.1166285262
1.7517016642	1.7069552098
46.0455075819	48.756149027
0	3.5122473777
0	0
11.1362343642	11.0843019206
304.439223395	332.1871622166
1.2001363747	2.1718903419
0.6393749973	1.5909833789
0	3.6845758982

gene_expression_table

5.3371751888	5.6342426596
1.3288373167	0.9218403131
13.6443624419	14.9004914711
1.0879983526	0.984476916
1.0810052722	0.6113432606
0	0
2.7629196896	6.6667518967
0.9672480758	0.954780927
0	0.2229625482
0.16760549	1.3649226765
2.3029509552	1.9970023821
0.7877915955	0.2851337554
1.408170824	1.2741854496
73.4353671936	64.6192536478
1.7187097015	1.9284194942
1.4559482993	3.1288653007
0.3636634878	0.109687148
0	0.4093275077
141.3169931265	108.968236625
14.3217142099	10.2308086201
0.828415734	1.4991864006
4.2299454237	6.1828399712
0.2881517167	0.1955508798
1.5755548337	0.7603429962
10.7387388314	9.7169636897
5.3111085968	2.8033625998
0.4430583122	0.2672679787
16.2676603849	16.5597935875
1.8716900509	1.0585009416
11.2169583036	16.9161354757
69.5898331234	48.0548798616
28.7239124993	32.1063745582
57.7062277169	62.6586784391
0	0.2032427404
11.9090889755	11.1273466398
11.7326293578	11.903109667
4.6706334052	1.2074941525
0	0
0.1256209595	0.170502466
1.5004173085	1.3576548173
0.1504176202	0.2722112115
0	0.0360690119
34.3326550458	26.2865761385
0	0
0	0
0	0
0.4716054533	0.6400993362
14.6307696145	11.5118899925
0	0

gene_expression_table

4.8802527705	1.7172959713
1.6153590893	1.9488800765
4.2454920293	4.9940016517
46.8213660794	42.3663822393
8.6077037804	5.0070172352
6.5196876392	3.6303686081
0	0
2.3171490792	1.6307478181
1.8351889362	2.4908601285
23.4818528558	30.6909622253
0.7445806536	0
159.2169017711	69.8509811818
0.5392341319	2.1956706026
0.6852366104	0.5425326889
38.4961950072	36.0344885179
63.7120432653	81.9235938797
1.7027750698	2.7733653655
0.2176678439	0.5908712099
9.5204293036	7.3839210124
11.4003720066	9.3778576777
2.0768083479	2.4574194391
0.0397925502	0.180031739
4.3170496284	1.4204686296
8.1737019091	14.7919724856
0	0
0.0476385165	0
0	0
0	0
0	0
1.9937220426	4.209385447
8.3400883591	9.642802731
26.4946397126	20.0168873083
0	0
0	0
2.2151458146	0
0	2.6072549508
38.5516783534	234.6711080491
1.8484806674	5.0178013848
14.7544648012	14.9399563189
0.0787729922	0.2138335749
1.133957013	2.0521253555
4.3405566961	7.8551182725
8.4189601314	5.0786056716
4.0618201302	3.675343943
0	0
6.9055556171	9.3727532966
0.2117975854	0.3066325727
2.9956317281	1.00392659
0.2315330938	0.6285091856

gene_expression_table

0.641810225	0.5807429299
0	0
3.8284453308	3.7306493658
42.1741293977	26.2668848449
0.6498043873	1.1759529188
1.1941200997	1.4406684474
0.5541861172	3.5101928858
0.1429220829	0.1293232577
2.1152215476	2.4403007097
0.3674290872	0.3324687521
3.8321460774	3.5758831321
13.7768087145	9.8216699533
0	0
0.8201466779	0.6360950851
9.8659480852	6.2680464662
1.4690113906	1.6246231541
18.9060357931	7.3316376028
8.9436399108	24.2779973417
0	0
0	0
0	0.1382289826
0	1.003560277
25.7145814535	7.7559590005
18.7274970852	14.5248029082
715.270472716	600.984004675
69.8788694624	20.58651105
0	0
0	0
0	0.3038746793
28.7621065339	13.8802317712
1.1481002446	0
0	0.2913485548
0	0.3696750516
0	0
11.5049371146	8.1330151077
1.8775973423	1.6989467278
0	0
0	0.1339003235
0	4.3508191069
10.1299747425	11.7850147778
13.3927463813	23.025048047
0	0
9.4019463742	6.9122341119
22.2183622961	14.743166485
1.1440849637	1.2940337111
51.4506350431	46.9600107764
4.0031986796	5.795680379
2.6677743477	7.2418186744
7.4398401278	8.1745111104

gene_expression_table

0.5499041877	1.741535657
0.9545031506	0.8636835853
1.5053556925	0.953486325
1.8196629967	0
0	0
4.8333856449	8.7469922768
0	0
0	0
0	1.1384818423
0	0
9.5718378441	5.9961403442
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2.5839403886	2.4842124186
4.6814021394	4.235973639
0	0
19.5035171405	17.647786286
0	0.5102848866
33.2041960614	50.6817433861
1.1666446432	10.5564012821
0	0
0	0
0	0
1.6460831396	2.2341911395
1106.9846667486	886.466188723
100.8916797309	68.4689890454
31.1563164595	18.1233250443
51.3813094286	56.5995088675
5.1275946819	6.4955962679
42.0268979944	22.8168604275
311.20575211	347.8526277421
51.8253071825	31.2628038239
11.6337841029	11.6964963616
2.1562193021	2.9265873295
7.4424831513	4.2089636687
2.8643339631	4.0172850653
82.9275049819	84.4167097621
1.6509570656	1.9918279184
2.8977914369	1.3110354304
19.2959555464	21.6503676001
0	0
0.0949496483	0
10.5561869871	6.3678542559
4.5001280174	3.2721006552
7.0749698274	5.2378338241
0.4262982588	0
0.5323349151	0.1605613447
2262.5812878476	1868.5674781365
1.4618591232	1.6167132501
0	0

gene_expression_table

3.2825373548	4.4553131594
0	2.0949308838
0	0
38.3142276989	22.7822790514
1.8005748374	0.9775516804
0.6963895713	0
24.0693834057	25.4090866383
3.0780712886	2.7851973509
0	0
0.8485551883	0.3839082076
0	1.6434501984
0.6679741285	1.057730409
8.5197418439	7.7091009888
29.3579410585	25.0466005307
0.0453963151	0
0	0
158.4031102819	152.7160749878
18.989229381	22.9099096631
8.2397600647	7.7128542025
5.1103530325	1.5413701627
0	0
3.4263037416	0
14.1788706586	11.5467948484
0.5478650773	0.6196706553
0	0
28.8791645221	27.5066891204
0	0
24.2605069316	26.7243632457
33.6952838516	40.6523031358
0	1.9341931644
15.1213677849	12.7496879723
3.6490232077	4.8257428249
4.6431611017	4.8162059863
7.2947440029	6.2912539514
0.4969365772	0.8993075915
2.9309075749	1.3260180236
1.021878628	0.5043536649
0	0
0.32992013	0.5970574336
11.9199819508	8.711618411
0.4233419774	0.1276872045
34.4366690626	26.5828853055
0	0
9.5908894579	8.9775832646
1.5852440594	0.7968946823
2.023839024	1.2818916107
23.2806685607	19.9268690925
116.7432424312	136.5529427201
16.5701963745	8.5677523766

gene_expression_table	
0	0.3546782936
0	0
0	0
4.0009665283	5.6717727387
3.5590181225	1.2386087707
0.2874435145	0.3901405328
0.7335668558	0.9292766738
4.7745641072	3.1571213954
5.8406226534	7.4318850464
0.346061256	0.5218900643
21.2147524282	7.9594000261
0	0
8.8108723381	8.6481690537
2.2334570085	1.7178048415
0.7483616079	0
0.1402364297	0.0906379575
72.3796041979	83.1254664436
5.3730787021	4.8618381982
1.4319420854	0
0	0
40.4551027994	31.8606554987
34.3239782043	25.7032571299
0.5804216059	1.0503906945
0	0
85.2208343926	80.7721875986
0.5216286586	0.4719964621
2.2589425137	1.2264044816
17.071950368	18.3700945418
1.8784192383	2.3795665904
1.4366232013	4.4197641257
12.3505004862	10.554514792
4.2881305519	3.3258182248
0	0.3936146525
28.0745842154	22.6570231495
0	0.2930420067
0	0
14.0478854634	8.932229664
0.8073741302	0.730553674
75.3472042238	49.4043688472
9.0039853788	26.0712622925
0	5.7801381101
9.5735288109	1.2375173831
6.7367230326	3.0478668922
1350.4638374818	1347.5921992352
16.196178991	10.4679546267
2009.7611874938	1994.73716092
4.4012241049	8.7613990876
24.1831196238	27.6405871622
44.5223674041	41.346291206

gene_expression_table

0	0
5.7869498286	15.7089902943
1.2634272521	0.5716070074
0	0
72.0998806896	38.4746851492
100.7232424088	91.1395746343
0	13.7119188236
3.7244475976	8.4251797718
0	2.3482453652
0	0
0	4.0329419408
54.6239532301	56.8405494566
9.0484096727	9.0971853937
1447.8367643072	1306.3341564307
12.0429697959	10.897099004
1.5341806422	2.7764112394
6.3112611259	8.5661309246
0.8169582792	1.4784518107
284.2957503458	303.5496068425
20.7849681882	26.8675845126
1037.1311063634	943.3373715541
69.8356208489	50.5526917226
3.7892675305	7.1691508523
0	1.0786694537
3.7369681521	4.2267514386
0	0
0.5105882032	0
2.8698930416	2.1640224639
0.8053063854	1.1658922753
0	0
0	1.9804733638
0	0.1677808406
27.3526189612	37.125086489
3.1935511771	3.4676273983
12.7075283507	4.9278967687
7.4979420095	3.3922619499
0	0.370048084
2.2943950162	2.0760867186
0	0
0	0
0	0
0	0
0.2875171526	0.2601603201
1.0886478069	1.4775968635
51.2149676583	35.1075296334
0.1287861832	0.1747985521
0	3.7665721664
0	0.2416502314
1.1553736069	0

gene_expression_table

0	0
5.3769310167	3.5384174332
62.2584400934	60.8414127738
32.9385813031	20.3925690071
0	0.7457400126
325.3171679162	298.8923924057
0	0
11.7429738885	11.6882119906
19.2787934262	18.0459772771
3.6993047433	1.6736606799
4.6087208111	1.0425519579
0	0
0	0.978421066
0	1.9006385608
0	0.622551893
1.4181627049	1.2832266177
27.8790915435	25.2264371529
0	0
0	0
0.3011747193	0.8175551686
0	0
0.3114618777	0
7.6228097742	6.897510681
45.2171216149	43.6424312177
0	0
0	0
0.5342125824	1.2353122236
0.2926674538	0.5296411556
2111.7189077003	2142.4031201936
0	0
0.3891200936	0.3520958913
2.4436774896	3.9800973332
3.5076470508	3.5706370655
1.5462394674	0.4663723551
142.6482001149	172.9610822653
2.4483697481	3.8266189691
21.9254296522	11.9035544392
0.1873282135	0.3390084212
0	0
22.3615601038	22.309161521
0	0.6540742887
9.4330707117	18.3842140754
0	0
2.4440025919	2.019158541
0.1839821177	0.1664764909
0	3.600173287
52.3833744775	55.1695301047
0	0
0	0

gene_expression_table

2.9747701969	0.5383450411
602.6264047743	518.5576181435
0	0
0	0
0.0861095511	0.0779163545
37.9859495823	29.9970698831
2.4276302675	2.1966448325
0	0
100.9961410014	72.9334625798
2.8095624702	3.8133551252
1.8524862121	1.1174832564
0.2780267845	0.4192882442
0	0
0	0
13.8758835274	10.59379906
1.336085889	1.2089592897
14.9066040286	13.4882626683
0.4249325152	0
314.6243154653	224.6003820456
0	0
32.9194681268	27.0792994069
0	0
1.6717600544	0.9626238071
8.4601986861	7.0508635423
0	0.0127775814
6.8013552024	5.1127335404
1.0377919735	0.7042856998
0.4967053679	0.1498148619
2.9666648857	1.3421955514
20.6197820538	11.5904765134
0.08456877	0
11.567934912	0
0.1293972534	0.1170852958
0.7619410712	0.3712388096
25.0824375902	17.9178005474
9.8034126763	13.0725109599
37.7657275976	33.8967907219
44.7437987848	25.9113551391
0	0
2.1399060696	1.2908647781
1.0986489388	0.5680652084
0	0
0.0850965449	0.6929976086
0	0
17.6239388765	12.4676913833
13.2728823455	20.5885494698
0.8517018293	0.5504740414
1.0945631663	0.7781848622
9.3514484309	8.4616719223

gene_expression_table

3.9188396977	3.5459678875
0.6421256479	0
4.672406939	2.1139171593
0	0
12.786519353	8.6774256891
0	0
0	2.4087643923
1.2568534775	2.2745314502
0	0
4.6779362535	2.6936238808
0.5269033054	0.5721230808
1.7163172577	1.7672207852
7.6846402127	7.5494687341
21.7067811592	15.4325387754
0	0
9.6911709782	6.5768027782
13.4182016319	10.1178996347
0.5121435025	0.3089425363
0.5828756646	0.7032212079
0.1246782611	0.0752102058
0	0
0.0822605371	0
0	0
0.0377840798	0.3418898036
3.9353131901	5.446042514
4.8474935521	4.223807562
29.0866230984	22.5592061688
8.2183417878	6.4664162634
0	0.2008907267
0	0
4.7633228559	3.4480797763
6.1921175541	4.3099590099
10.3778172109	6.2602554857
0.0245641653	0.0222269212
0	0
1.3652702371	1.0000588301
1.1452485812	0.9622598792
15.0082888915	13.9424129631
8.1083092655	6.2668633358
83.5137897275	51.2779979742
0	0
2.8496206851	0
0.185788425	0.1681109307
10.2490776148	4.1882097486
0	0
0	0
3.5037361609	6.7936303698
17.7068481059	28.2127713087
5.2850040456	6.4454980509

gene_expression_table

93.0348778814	86.6587097745
2.5307593823	3.1226745876
0.354756192	0
22.3135061803	14.8062999467
1.7129507376	1.5499660045
0.3500451748	0
0	0
9.0428015405	9.5461243823
12.2687148238	6.0132392265
9.0484096727	10.0069039331
39.6981815591	22.3769903585
1.6697250982	0
0.8352927181	0
0	3.6784161168
54.9205762796	53.836211595
11.1904110352	2.0251319901
0	0
0	0
17.4689390658	37.1459689797
3.8317886779	5.673599417
34.0037973545	41.7570956257
2.9209325141	5.2860201975
7806.071089145	8143.4851250858
338.1801501796	355.546120108
220.0733196839	214.2503847302
0	0
4.5608183519	8.2537264416
0	0
0.908828364	0.8223546873
21.0474003285	22.8537255223
0.6389060215	0.5781150571
3.3230214339	2.4054726813
0.8229487229	0.9308079589
97.7860871512	80.5917809349
0	0.7020012466
6.1761215921	5.5884727431
0	0
0	0
11.2805450566	9.0063686936
5.6145839713	10.1607291952
8.4650929068	3.4042896966
122.2005557921	102.7864974946
4.5799072641	6.9068930854
4.4667171745	2.8169533189
7.1847703625	7.8347193181
0.6586041578	0.7042914802
3.2997121275	5.2824796924
0	0
15.0810291914	9.0973943563

gene_expression_table

0.4011563901	0
4.2069658046	3.2628679035
16.8711823554	9.5411964177
2.5975978827	2.3504402801
8.2701744073	7.1506893241
0	1.2694479416
162.4362213897	189.9188236159
0	0.5265989407
12.3692721075	9.9823699019
3.2001004349	0.723903901
7.6433472051	15.8082148701
0.1172391292	0.2121679983
0.1963606963	0.533031798
0	0
0	3.2103679113
3.855299031	3.4884730214
0	2.9517798644
1.1934282289	1.4398337271
50.430936666	66.6936648295
0	0
0	2.708346588
27.9293345364	25.9549239127
20.8317799861	7.0686250812
3.8304168831	0
0	6.9826351076
0	0
4.542359249	8.2203209485
0	0
0	7.1933407102
0	1.1796832672
38.9587661088	48.4713584369
0.8385090752	0
3.8636366522	3.4960173302
0	0
0.6600940102	0
0.6276103544	0.5678941559
22.9855185628	18.198670363
1.8170568414	13.9754158128
1.3452637414	1.8258958245
78.5902992496	104.5772769594
24.7152730079	7.801273702
226.1458975701	316.8440506405
13.6246538626	14.0894721914
2.0588524529	10.2462562532
7.2443187228	6.5550324942
680.5772757768	705.6836963716
81.834053851	78.1361858249
0	0.641644493
18.532100409	19.1643410537

gene_expression_table

0	0
0.8930449394	0.3463170138
320.3758578273	326.1291390705
0	1.6093911305
0	0
11.4029370127	30.9538931849
0	0
0	0
3.9885341465	18.045155062
8.3538837147	5.6692680117
0	5.7052011423
1.4895794081	2.0217721907
5.9447267377	6.147536877
19.8742300618	11.5414736727
1051.2686301143	753.1525377969
49.0092640502	36.9550874576
12.5390976713	15.78576841
57.7304449587	42.7397550324
0	0
20.664082682	18.69792573
23.9709749773	22.438109076
50.4490494773	46.2304115294
2.9329697272	2.6539019888
0	4.3058824016
1.8544719298	1.6780216642
123.1060955744	100.6127905318
0	3.0168728161
696.5709518707	1157.6178089068
13.6287096932	10.43473377
14.7137985414	11.1312117911
41.6330124191	71.1576418951
8.4073169919	7.6073731954
3.8628694487	10.4859693752
9.9098540561	9.9632734186
2.5431511082	2.8764675447
0	2.0941997848
116.3133664793	127.1726383848
24.3477317858	32.4668563009
0	3.0175623871
0.473872419	0.8575683162
94.2510200759	51.1699048192
431.9825318808	455.5679244944
19637.3023971529	21751.696691868
3.4104857194	15.4299151979
39.851448003	38.4636176802
0	0
31.4440903184	33.1942701521
746.6315003965	910.0602999784
8.9490180557	12.3844610163

gene_expression_table

7.4901472908	8.8107120881
39.1804624121	33.7642850214
6.3789420048	7.6959934574
17.7537818298	12.851628565
35.0857001929	26.2260697826
145.4813953958	131.6390554602
4.9094468872	3.7019335549
0	4.2232359064
0.7820152172	6.3684686172
14.129096146	11.985687668
23.6371938562	26.7351872081
1.6702029544	0
3.8934193005	5.1243144779
709.7266577876	516.7680709396
122.7569519062	108.0196493243
232.8256767718	215.4390071629
2.8080754285	4.446559597
1.651299633	0.7470904557
0	0
0	0
11.3969987562	1.7187651925
0	2.0112485441
0	0.593367587
5.7369938236	5.5904448204
15.5142648267	10.0272181706
20.0237850262	23.0599745735
0	0
0	1.3673573737
228.5222569925	182.1621895969
2.489770974	2.2528729426
1.8847768903	1.7054431525
0.9055194034	0.5958985959
0	0
1.2024112335	3.2640107409
62.5539922373	43.0494634022
28.9737414466	20.2376322861
25.9873804973	33.5924565989
18.5486486803	13.9864767914
51.4982948948	45.0704948014
0	0
27.3489268034	20.4429399693
0	0
6.1944768926	9.3418026064
4.4522605761	6.7143909284
11.6284923367	18.1744646179
6.3307730792	0.7160511712
3.5122912633	0
247.236736416	338.3651956463
52.1760023051	47.2115327355

gene_expression_table

9.006208585	5.4328540919
31.7002887729	32.2695597475
24.947795658	9.2951969527
20.3123320116	18.3796436164
0.6839196507	1.2376914117
34.5352358198	27.8313714132
10.1795405927	7.5362500945
0.572050509	0.4358911561
2.051058468	1.8559032836
1.9874454544	0.9990794191
0.200444547	0.0906862722
3.4322625808	1.7746787799
0.0480739456	0.1739991228
4.4599315544	2.5680935974
15.29127195	9.8830928607
0.8743542494	1.0548809783
5.5306634996	2.2747404704
16.8084571049	17.2179138485
0.1200491871	0.1086266842
0	0
2.777612527	1.8431063177
4.494852249	3.0854421136
0	0
0	0
85.4330001104	80.7399174805
18.0520980842	16.7328692586
12.9342508009	9.2821464332
0.7099957618	0.3212203568
0.1010622781	0.1828927032
13.8151257384	15.407761792
14.0002954614	13.4599497743
3.086536473	1.0473214071
31.3689030106	31.5674727783
5.4964967092	2.8420075224
6.4758357336	9.3754712425
13.6552579626	9.1787282471
1.0415332328	0.3534123314
31.4242244294	23.5056515274
62.0325591316	114.5057155801
10.3007372668	11.8626293256
0.6665474854	0.3618758859
168.937512616	161.0378688756
0	0
1.3699906484	0.7747737883
0	0
3.7777491212	2.9468119578
0	0
0.3629638507	0.985285129
0	0

gene_expression_table

2.4150837978	2.4281023787
0.87094424	4.72845109
4.0611417658	2.2048380744
12.0909994574	8.5473114954
6.362211543	4.5448867184
0	0
0	0
106.9884746087	68.1246261336
17.8900917563	21.1687608505
11.4636169275	6.6009177217
4.609812925	27.1127742123
135.0420229539	116.5328088869
3.687151354	3.3363243476
2.8056050166	3.1098534069
0.8139229877	0.8837753008
0	0
0	0
0	0
5.2270534158	4.4850669849
0	0
0	0
0	0
0	0
104.9472859148	73.3795005843
0.4833425675	0.218676618
0.4885969245	0.1473692162
0	0
0.0168336657	0
0	0
11.9346076955	12.5988886303
0.6261558692	0.7082225786
1.5200088111	0.6876911087
211.5341067062	212.3830528127
3.2865117067	1.7347195664
8.113099856	0
3.1271712263	3.4826160025
0	0
119.4204028036	159.7375107025
0	0
0	0
0.7197147745	1.0419759624
55.8807398346	43.7871822334
22.1952031726	18.2237917775
18.0953230397	10.5518625212
1.0344807521	0
0.4024862066	0.1820951192
1.2848207995	0.6643268559
0.4151743756	0.601073835
36.4909124476	22.8278510723

gene_expression_table

3.2786646984	2.2250284455
0.2073688551	0.3752760295
3.7742521485	1.5523352864
58.9969801026	66.9662897543
13.3509251658	8.682934378
0	0
162.7576180944	108.7003715124
0	0.1731297433
1.1533642615	0
0	0.5569454709
11.2577607313	7.0997525065
7.5411808307	6.648683262
1.4312397398	1.4029810081
7.2212466511	7.6705305998
117.7868323061	108.0967363276
538.243540293	345.176929572
16.1353648499	9.1772111904
1.1310999231	0.8772663735
0	0
2.5022823859	2.0377745209
2.9972591125	3.7969040677
0	0.4315030379
3.3253470321	1.5929709738
0	0
0.5341604272	1.2083396283
1.644058247	1.8595356657
34.7358701293	33.2268492894
12.0671047716	7.5592644732
0	0
2.9053306677	3.0928149942
3.1514046067	5.4179509131
1.1841378032	1.3393360498
21.5946703029	16.9537969039
1.3203672315	0.853383028
99.413113583	111.3717461153
0	0
0	0.2206742239
3.3863427893	1.7235772164
160.0205248733	160.549683746
10.3382270668	6.8033163841
22.1406532592	16.5996023178
0.3880592568	0
1.9673314481	0.296690461
10.3314388244	12.4645569026
29.6076370806	24.1409028467
2.4388414109	2.5962226496
0.0934110448	0
31.2346625047	26.6925787984
0	0

gene_expression_table

2.6129603391	2.1494009286
0.9273243657	1.2586362326
12.4905713077	7.7500195837
203.1435213411	178.5628662652
0	0
1.0521147559	1.0385537352
0	0
1.9025216341	0.6885998041
7.8852391005	4.9944791711
1.477324616	1.3367593604
1.5656248426	1.9318062965
0.0426018188	0.2312899121
12.7651704198	12.0318576094
7.2248447478	5.1365375593
0	0
3.3695283852	3.0489227352
13.4027937605	14.4856700621
128.9199764633	99.9886552135
51.0652026771	75.9105537993
3.2069028973	3.9708442832
1.1684977702	1.5859753993
2.0220906275	1.2197944603
21.4402026565	29.1002985526
44.6412219565	38.4232524098
1.2192693079	0.5940618028
0	0
0	0
13.6355681381	9.1393807154
2.4236342588	2.1930290381
14.7084610189	20.6289076437
6.6910129653	6.6047705045
1.2997129693	1.1760471996
11.8513974746	12.0642238195
3.5106948953	3.1766574604
5.2578364183	1.9823171031
7.6095573232	14.4268020939
3.3010425524	0.9956510761
0.6178235635	0.2795192819
19.4208336614	13.22696668
11.8306719761	11.1332010485
71.4369540645	98.660798314
16.9548073546	11.304323927
42.5133721588	43.8778905193
45.3448776564	29.8402760068
5.3781622809	6.4885841093
0	0.5407485641
0	2.2564668602
0.777998111	0
61.5471960281	46.1549288832

gene_expression_table

0	0
0.7835864963	0.9175674566
5.1670609991	3.1169485169
7.2137953454	6.8112139525
4.1554995635	2.5067399444
2.3275993745	1.504379808
1.0266735562	1.3005819169
0.3385242792	0
4.1339875401	2.8604930292
0.4933907513	0.3348340125
280.5496409748	297.9464936614
2.6642668105	2.4107657579
5.7195522803	3.7638875106
0.4602438222	0.7139182322
899.7380260593	863.3826544521
5.7603702998	3.0404964172
2.2963811927	6.7531227183
2.5141545549	4.5498729234
0	2.7789158955
0	0
69.23606323	79.6156166134
1.5462667794	0.9327611858
46.9065138054	28.9387011034
1.1264714259	0
2.0799450109	1.0265679898
7.2194255255	6.5325078478
4.8608485624	5.9977445452
4.5556915967	1.6488897075
1.9500992967	1.1469576484
1.8315182973	1.9472711422
0	0.7581597337
19.452624579	24.0023673771
0.2529899673	0.2289183455
3.4622823701	1.5664256577
1.3203780943	1.7378124632
37.0966338296	30.7333707158
0.620483878	1.9650601366
0	0
35.4631476297	28.9582589165
2.4526052158	4.4384869027
3.2176064977	1.2939804404
1098.9523266938	948.1380014445
27.3297970219	24.1377945816
1.3013185192	2.6493749635
0	0
0	0
8.4819753842	10.5530259339
0.7617675604	0.5514292016
0.1393643892	0.5044162936

gene_expression_table

19.4569888405	22.462425798
11.8880192134	10.5613118908
4507.6553021719	4172.3885953512
3.1641280049	7.8734312188
0	0
0	0
0	0
835.9173773003	766.3334558148
446.2701236056	446.8810529358
25.2773006025	5.3368473148
351.76326558	342.7776264966
204.2883208564	171.4823417343
20.2850996284	12.7465294127
23.2572655278	24.3992707912
127.2388771024	76.7548572288
0.3618745451	0.3274427165
71.2627480739	80.6027535379
9.9432470975	8.9971618196
20.4471416267	18.5016262958
2.1600728697	1.0238093517
0	0.5501223203
8.2892169066	9.3756376986
0	1.9451650867
1.2875095224	0.9320039141
3.6105067824	5.4449539897
12.7567030554	11.7607125714
29.8371683526	26.4237759336
18.0346822098	15.7747518689
2.3508816498	3.5208806605
23.5460233486	29.8279155973
0	0
0.8419081584	2.6663064413
21.0587594527	12.4272062536
23.1492364706	22.768066093
0	0
40.0619403679	34.8907269311
0.170901804	0.1546407497
3.2697657105	2.3011740358
4.2524214246	4.2325907863
0.4080792635	0
104.7995180803	88.9012487768
2.9366593685	1.9929304247
6.2573514972	3.3971842456
1.7331862223	1.2197703099
7.9199635801	10.3016866903
16.9568416969	21.2447398847
1.9101550193	1.0636348246
0	0
57.5797067177	57.8900918367

gene_expression_table

0	0.4911397114
3.0754759502	2.7828489552
3.3118362201	2.5686170523
1.6148376212	0.4870627354
27.327323296	14.8363013036
414.0836336817	342.3040724626
0.3446199018	0.311829827
5.8875150515	3.0236178503
17.1557263644	14.4528061051
43.1001621122	17.7269296975
10.3535419341	10.5828422262
3.9927442572	1.0322401535
61.6401068989	55.3064430829
8.3362232361	7.5430439055
0.4657937588	0.2107370853
52.5053494036	68.8403581432
34.7989932606	34.2868467019
46.9023345004	35.1938533067
10.1088186155	8.6896304796
5.3121291788	6.6759554611
0.587882098	0.2279768505
3.9888612811	4.6921251268
27.6425016606	26.8882853316
0.212800938	0.0770212972
2.461150091	2.8244564708
6.4209367023	2.5992078676
1400.1645210261	1853.7755391465
3.104120873	3.4329391016
24.8189926263	23.3648759522
2.8069679302	1.3546075076
0.0613507107	0.1110265623
0	0
0	0
0	0
7.5785126943	5.5716605773
0	0
0	0.0317373938
0	0
2.3496821995	1.063056704
2211.1484311913	2064.4939219178
7.0768001854	3.7229378478
1.2481336163	0.5646877729
11.2906283714	14.8601334619
39.8037318449	21.6098793235
3.2410678095	2.3259225811
22.6144013037	25.5783430186
16.3078143529	16.3957221105
0.4370374403	0.0988634933
0	0

gene_expression_table

3.2337145095	3.62270548
0	0
0	0
3.6610718838	3.5197716942
16.783685618	9.1120456298
42.8004380832	36.5150087697
8.8615005789	10.5696324846
23.2576517135	17.0988354048
0.418364911	0
1.1128528971	3.020899762
6.7289555668	11.1626265327
2.3434079518	3.3926978332
1.0792261194	0
0	0
1.7028545644	2.5680507787
0	0
18.6896981713	15.2534205007
3.5028210239	2.4381021355
0.3633434917	1.31508758
1.7364723695	1.9640619848
0.6322611331	0.57210242
15.8788948751	2.3946735794
0	0
1.9102091249	1.1883131889
0.5836396692	0.5281072166
6.4602244008	3.2475242161
7.4525035951	3.2251085964
1.3956658235	1.9995446122
1.8124704904	2.2363862724
226.3739736036	209.4551586907
17.7556337542	12.6234518321
439.9526578072	361.0600156317
1.209187627	0
5.3788231918	4.8670361081
1.8314755999	3.3144268024
0	0.3949570826
0	0
4.8677103957	3.6494883787
0.1378266915	0.1247126853
1.1909503504	0.9118434627
18.1524826224	4.1063251768
0.4901240712	0.2822205843
4.120410862	2.724570662
0.930043532	0
0	0
5.3882920183	3.5754429259
684.4718524622	325.9712455149
8.8176630009	3.191470155
5.6987727211	3.52816094

gene_expression_table

0.0669431463	0
47.3996311978	16.3389052517
2.0970838941	1.7515841154
2.2203416275	1.3976204525
0	0.2011815555
0	0
2.3455132007	3.6204642009
631.4404798526	774.1004428294
0	0
139.8115884049	96.9506095607
14.3395930164	11.2451749943
4.0746763846	2.8091252905
25.6294933255	18.3830185051
2.3217787886	0
0	0
0	0
1.9483099076	2.938218495
0.1498083293	0
179.8714165233	191.2062966388
0	0
0.0212796593	0
9.9739695567	6.2715831249
2.0293093664	2.1422608397
0.5564741991	0.7552897512
136.049124038	127.0726886965
1.345511865	2.4349767959
20.6175378179	26.6881719822
0	0
53.4111446012	40.3524967347
0.3308353141	0.4989280375
0.5416142158	0.3920643384
0	0
0.3465860085	1.4112398773
1.5131252367	3.6510762798
4.7652675456	4.4316332472
2.4368291964	2.3427790279
0	0
0.0508629335	0.0230117002
3.1819649313	2.4557930689
0	0.0180735401
0	0
0.9002874187	0.8146264003
0	0.1864297377
12.1330157819	12.7120368128
24.7189363504	18.1065915722
21.039306731	12.6916318433
0	0.3479157066
16.7674765261	12.7764849647
71.0401001784	58.5668960374

gene_expression_table

2.0263165222	0.2619307854
30.8621002808	20.9442127605
5.1644394562	7.9441861363
11.1289534003	10.0700499187
0.0560449045	0.2028492585
0.5362454115	0.4852224525
1.4467218074	0.4760248596
5.9173342979	3.7795120078
5.0637945016	6.3002251573
2.5913644582	4.0779129682
4.550049245	7.6460777316
83.7225970223	58.0799952558
29.2581375155	48.5361597182
1.3760455344	0.5533852595
2.2164582244	1.6044523979
12.9958948109	14.6991932638
0.6290620397	0.2008968408
0.8630531834	0.9110907721
2.2533777996	1.7841007009
0	0.1246820619
1.1883228269	1.2288636168
0	0
0	0
3.8651719737	7.8691647785
0	0
1.0102309125	1.0055198263
9.5853456292	6.570692536
15.8879008047	9.5841270035
3.9078291895	3.4556412627
4468.1352154132	4232.223929563
9.6786703892	5.1897832263
4.6734350716	3.4933272996
8.7554890462	8.459530223
0	0
181.0758578672	201.9996451831
0.6743833003	0.4068111501
2.0435890298	1.1226949062
61.2842060001	47.4598640399
4.5920637162	2.0775678174
58.8917675846	34.1591685038
67.63702543	70.7216898171
63.9848528707	61.5438304103
12.1212534261	9.8563191237
22.9554628702	17.4029680754
0	0
2.363880636	1.8012302184
7.3570843611	6.0781931139
3.1175567115	2.9181990974
12.9469465372	7.029038216

gene_expression_table

0	0
16.1708696818	15.0277011307
5.1657771695	3.4441923897
23.5576823053	21.3162036222
52.5605747034	50.5587622457
6.0782167217	6.3460192806
19.6168845818	11.0939793642
20.3952163102	19.6849510362
28.3102199656	27.9453211008
1.3172479565	0.9932614656
24.4827820448	16.940744667
0.7069511536	1.492600189
0	0
6.1237826247	3.5621445543
2.3969734687	2.8918733105
0.8869156395	2.1400718029
0	0
1.8361050449	0
4.2270419248	7.6496902557
32.7498494001	22.2253121942
0	2.0257534822
0	0
4.2881980698	4.8502279449
2.4873939423	1.3504332491
11.4951739169	14.5619951315
33.6081627247	22.3423315138
7.7621436712	8.5286415557
20.9444096791	14.0076895854
0	0
0	0
1.024576551	0.8741130564
0.9045650056	0.5208617152
102.7997291381	86.9077832107
16.4048437473	12.5245803574
80.2461373307	70.1410795434
1.8051532667	1.8586915437
0	1.1700124468
0	0
1.989724186	1.8670865297
102.3821449813	104.0844782333
23.223947431	11.9080597728
0.9140227643	0.9373288278
0	0
0	1.3091863788
39.9388030323	9.9692923869
18.1321528911	19.8409087588
8.8859812334	7.8067579726
0	0
0.4395323896	0.1988557659

gene_expression_table

11.6930938952	10.5805132786
6.5294508426	11.8163664742
42.8985531212	29.1126143559
27.8085369751	17.1944404275
0.1936150792	0.1751928903
28.3853266688	28.252955229
0	0.0223533358
0	0.2337394069
4.5959142001	4.7527082867
5.3384770976	7.2457933279
0.6732550273	0.6560570215
0	0
0.2193828721	0.1985089158
4.4568318018	4.7048993103
0.5212741459	0.5764924986
0	0.0176276195
0.0578188162	0
15.1178881749	11.3343959932
19.6169539917	14.38719046
0	0.0429730461
9.9984642976	12.4787933582
0	0
0.1992360769	0.5859069397
4.2341159587	5.2502261067
14.9910690036	3.3911727314
7.7236939692	3.9935976536
32.3576872625	22.9597138145
0.481857204	0.4360092026
0.7271512222	0.8972234417
39.5677771637	30.8490926971
5.3285785307	4.4506819868
0	0.1476357569
0.0214064179	0.0387392578
5.854544814	3.3711322403
53.3289235347	16.639570763
0	0
10.158523128	10.9428031592
0	0
54.5960401328	59.4940477872
0	0.0377883586
2.6704599447	0
11.1400653589	5.4277486258
108.8922378332	94.1143817637
0.0409672555	0.0741385634
105.1985477446	88.3322221165
0.1844507953	0.0834502873
2.6947186819	2.6308191402
23.3911768277	21.1655408949
2.3784583132	5.3803787926

gene_expression_table

12.543104222	11.1665875654
0	3.8299493598
15.5360294806	28.1155984359
2.0828062681	0
13.1664819229	13.7188182796
1.4504860935	1.3815520881
0	0
0	0
9.0088037137	10.7601507339
0	0
1.7762517553	1.7411810258
0	0
0	0
0	0
0	1.5979949698
24.2192767825	21.5013606569
23.339578624	21.5830027816
162.6793122372	167.2962631341
0.7295940946	0
1.378761851	0.6237873485
0.4619299638	0
2.0135882729	3.27959698
3.2018966659	1.3371881199
51.1336806967	53.2435201305
0	0
0	0.7676824704
2.1384815826	4.3537684905
0.669960184	0
0	0
5.5593377501	4.6893326017
0	0
9.2559379817	8.7242178659
24.684013131	19.6115406438
39.7735046944	25.7065103267
6.0561198621	6.2627302862
10.6375450683	13.2349227502
2.9447102882	5.3290509056
0.9145460452	1.1033711194
0	0
14.4796505721	26.2038664054
149.1035440989	119.9258329449
27.1623418495	59.6891496109
426.1352101011	293.7821517297
0	5.3760698154
1.4575482425	0
0	4.0274055654
0	0
0	0
277.6120954962	362.8411432635

gene_expression_table

1466.565406271	1340.7045320713
86.7735117612	49.3014601619
0	0
1.5107228704	3.6452795205
12.938860277	9.0059590991
0	0
134.9140314285	111.3571231716
0.4606901771	0.2084280935
51.6068521817	49.5144308441
2.8001262658	6.8409856438
6.5010840627	5.8825155145
17.9043524911	25.2012130089
7.7108648814	4.9837053391
26.3845525437	21.7037284836
1.9949487807	3.6102647004
113.5520831848	80.1933815845
1.2526342913	6.2339639355
152.1558762106	178.4720898097
0	0
19.0279647673	43.7059158939
0	0
13.3759901004	7.8315369615
59.4856355467	50.916169754
30.7440523938	15.7236702486
1.2721299074	2.3021772506
2.5046234767	0
71.8645105211	62.1994602749
1.3817651205	1.2502922098
0	0
9.8445776819	9.9768263316
125.9025667335	90.0787487606
417.5818828757	326.324640187
1.999802338	1.3571430741
0	0
4.6815523529	3.1770821699
8.4238209629	17.1501903854
0	0
0	0
321.0883034049	420.3985611339
85.7734150955	86.9256654707
4.0527938633	0
0	0
15.3676615839	22.2487220448
43.1741822938	27.1765026817
1.5973787226	4.6975191122
0.3288344995	0
0	0
14.5871404797	13.1991956042
91.3089154098	121.4278435431

gene_expression_table

0	0
311.5314855747	253.7007522922
21.004978272	15.2051084864
166.1317322491	170.3678156911
4.2329898913	3.8302271541
0	0
5.1157285792	0
35.2173811566	21.2443328974
28.7641420687	34.0356691746
0	0
120.1534180638	90.083112437
20.5108592892	49.4914168448
0	16.4718571768
155.1133733749	132.6988614152
57.71045466	63.8236990376
81.7504892656	39.1616740245
1.0349760877	0
7.1872206442	21.6778907116
108.9989168076	111.4923305091
20.4540874367	22.7789676581
70.6996829644	40.5160512718
84.7999694852	105.0008325259
1.744909156	1.5788836265
3.6329825467	6.5746192447
3.2142001229	5.8167474554
0	4.4094306758
162.6280340036	155.5630291096
0	0
632.9627747072	587.1760569046
0	0
0	0
0	0
3.1123158544	3.2494426118
3.0830850961	1.394867051
0	0
2.6381480433	1.7903491146
0.6135002274	0.5551265867
3.2438570191	2.935208814
0.5664062234	0.6150162092
47.1922495486	24.2362570426
0.8756690941	0.7043115315
0.349140503	0.9477608991
0.0578136613	0.1046255536
18.4085982127	13.5057140085
5.5151632227	7.208360736
18.2503051557	16.1297733483
26.2765563399	8.9161428028
5.3414304437	3.3295386215
8.7062127617	9.8472868426

gene_expression_table

3.4127016444	5.1466468709
5.1155906034	7.4773726113
1.2459976929	1.7345274652
29.2385930015	31.5443886807
184.3427963691	264.4435450903
0.2153887635	0.3897896814
3.7758949037	2.2777493864
1.9788495738	3.5811299182
8.9647053197	5.1620079935
3.2118297688	3.4874746912
4.5150488662	2.3345420766
101.6728774059	77.213323275
0	0
2.037480448	2.9190605542
7.26918297	7.6737861025
0	0
1.4657482326	0
0.7746453534	3.5046949596
0.9099125582	0.3528581666
9.7257790072	4.6097257365
20.8088090174	10.4604897602
0.2246283087	1.0162762843
6.3923938815	6.5729170949
0	0
1949.3335449858	1716.4418170068
62.1008974541	45.4494835619
1664.9315330162	1321.5050493849
91.4905881342	136.3524132844
4.3522097766	17.0651149213
2.9267267233	3.5310039968
0.4859465064	0
24.9636712187	18.2164635216
3.4938370277	3.5333334285
581.8675558948	559.2058114476
3.6194636338	6.550154028
1.0215875441	2.1954143699
1.8811856561	0.9456631216
12.6751371826	5.2934384296
0.2145565199	1.5531342708
0.4091607305	0.7404593824
0.2918390972	0.2640710381
0.8278516743	2.621789835
6.8129474151	3.7936649412
0.4437230591	0
12.2468309242	9.0667334021
0	0.5081029398
60.0688568937	46.8043113843
0	0.0546370265
3.0923738942	2.6905183507

gene_expression_table

91.229875682	65.1706482098
0	0.6147059806
16.3142725924	17.5298674557
1.1959652038	0.8657367046
0	0
20.3156991057	13.4335044767
40.642781742	41.2141253455
2.9294037071	0.589038949
10.6264077988	13.6217044511
1.6268323152	1.1323397099
22.5619452182	20.9822985998
54.3278945675	52.8000590067
26.0966913595	10.8985983297
2.4777627043	0
0	0
4.7977829358	4.1242169257
1.8202821544	1.796819995
5.8715131984	4.1322146353
35.323215465	22.0184483103
12.597805027	20.3556115754
5.6936157848	5.7579797861
0.8862978476	1.4435422492
1.9253177498	1.1614177394
0.553996731	0
13.2791919872	9.3595951523
0.7165375466	0.2881600254
1.8048290934	1.4697920433
7.9074142581	4.3725216752
12.7061298141	6.190778637
5.9159542787	5.9478444059
0	0
18.4829853569	9.662961588
46.1218518679	30.57216074
3.291762126	1.5768824933
0	11.2212795949
25.943306776	13.1182926324
1.4416222294	2.1740900052
0	0
0.4788990259	0.2888883272
2.3188267495	1.0490969043
3.0888235223	2.7949265255
14.6144152665	10.0753335127
0	0
4.2330103599	3.5748959635
13.6006132908	15.8959410683
4.3767985324	4.2078746538
0	0
0.0620465407	0.4491432319
23.9918732296	17.638629061

gene_expression_table

0.5687023156	0.7718866952
0	0
3.3122210956	1.9980454331
3.4257003775	0.3874687557
0	0
0	0
0	0
1.7218455075	1.6359151727
7.151192469	3.8236350844
0.0942213984	0.1136751619
0.2027326123	0
12.5685347746	12.7373761212
8.0173412963	7.2545031114
0	4.7660055752
0	0.3284283763
2.1766459656	1.9695413163
0.3275965401	0.1976174754
28.4745037232	30.7925522051
0.4919268319	0.5341448644
0	0
1.3462301665	0.5220592947
22.9945751107	24.3657118008
0.1749769336	0.0395820342
0.0950163529	0.1719513744
1.8474858853	1.2537752487
9.8848630811	19.0812436399
35.0829636713	40.8148347676
5.6916821049	4.9441218794
0	0.2331985346
7.9603844182	6.0024713301
8.7011864857	12.4314970119
9.2198200538	2.7808559303
49.9291230917	50.0438113047
0.8960300871	0.4053870737
6.1065602881	3.4347889776
0.2872923581	0.1987905817
5.0960733174	16.9076947115
29.805617899	31.2346264433
2.135672157	2.1901282524
0.5553462967	0.5025059167
0.1212211626	0
252.7702255495	246.8718540722
2.7351230221	5.7747202464
1.8316474119	1.5298789528
311.4364871546	378.4221991285
30.6147156694	25.371715205
0	0
7.1579747895	3.8099435639
0	0

gene_expression_table

0	0
15.0326870257	18.1364654059
7.8221553089	2.7525123043
0.5045960334	0
1.8239501563	1.713881069
0.554739234	0.4392120382
0	0
1.2237585966	0.7382131822
2.0205037956	3.1994477255
9.7418592751	7.5556592153
4.1801969778	4.8415454827
1.8802105605	2.0415735627
1.8300130985	1.7278852743
0	0.2539872789
254.2027917476	187.2221395938
0	0
0	0
0.4958051418	0.2243150074
33.1215843536	49.9501908564
2.911644785	2.6346060834
1.7351042554	1.1775087358
1.5971951119	1.4452243556
12.6980486577	7.8992705547
1.1070686629	2.0034654288
0.7306353802	0.2203721676
0.2472807347	0.2237523379
7.6125823907	8.3643113647
1.5038066987	1.13393476
9.0224104444	5.1952354454
0.204951086	0.3709005856
130.4223557061	157.0253772444
94.6893969134	135.6597476602
0	0
1.9690825641	3.5634545319
29.1766832645	16.0474022172
6.1129599689	4.28231292
0.6174117857	2.7933298302
6.0077101693	9.060142364
0	0
1.0470081025	0
37.1137190531	29.6315324929
15.2512442004	5.6823985798
0	0
5.5165806906	5.8725719817
42.3049997989	37.9875297735
118.1722943063	187.1246562697
15.5358419167	18.934766266
45.7573500691	28.4985857974
23.6970742037	17.4574743189

gene_expression_table

58.0431180106	33.3056201754
0.6950601811	0.4492330223
1.8293978819	0
0.5955307982	0.4041501916
6.0608334628	7.1715861425
0.2236144147	0
11.7388889409	8.1226684066
3.8576168217	4.4878760714
0	0
157.9390439857	158.7904190926
29.3562533355	0
4.4414179323	4.0188235748
7.6576171247	5.5432049308
0	0
0.9384242965	0.1698269221
3.1767239827	1.7246780321
4.0864693981	6.1627464491
11.0207216752	10.59537355
0	0
0.4560390682	0
1.8846551583	3.8369992569
80.5246383318	70.5858742228
12.249373802	11.0838639737
2.458446064	1.8537737929
503.791881995	415.6749195011
13.044157957	11.8030255901
0	2.9623775257
0.2179328266	0.4929920999
0	0
0.4851416131	0.3292358288
0	0
10.8357791364	6.3442634284
7.0236807541	6.9909266926
0	0
2.1649825425	0.8706611781
3.0119855301	2.7253995548
0.1722292671	0.1558419067
0	0
5.631922299	3.3124345859
0.2451561203	0
0.270969057	1.4711205085
2.142913475	1.3116889327
0.2739162529	0.495707052
4.8725563535	3.9680458307
93.4794702972	101.0093157211
1.5129160321	1.1408035881
191.2094722701	151.9736657785
9.5718631976	11.0058361677
0.9851593161	1.0971358301

gene_expression_table

1.5718657518	1.6593558878
4.5522801584	4.9429649086
2.9740021283	3.1395352538
11.5458121138	7.7110618899
0	0
0.4986008444	0.3007731402
3.3486476722	4.2776877053
4.5527536637	3.8449281508
420.7437131828	278.5687099002
11.0515043566	9.9999700371
0	0
0.5828629131	0.3013739244
0	0
1.2761076604	3.1753917276
1.7931413869	1.0325169476
107.7154515153	68.2265397589
40.9833087296	55.6257111377
124.3765296422	93.7852387641
31.6030135186	18.468271604
5.8028552641	4.2834838632
0.8508337172	1.0148393735
350.9635922826	396.9624059428
1.7106812105	3.095824839
6.2177958269	3.616831116
15.413220199	18.7408446094
8.1729387962	14.7905914779
0	8.8498980683
198.2344824422	265.4716909805
0.5535763359	0.2504521825
2.0923645357	6.6264769901
3.8617931857	2.9426099089
0.422992184	0.9568627559
0.2900290805	0.3936498626
0	0
161.895227991	88.1659615553
3.3771636403	1.1258326605
8.5683464369	7.7530809265
0	0
25.2403652348	24.2662056156
8.6530365026	6.1071760289
0.1424434759	0
5.7562254322	7.1431255992
10.1743778994	5.2607433526
1.5667176277	1.417646759
0	0
5.0824632749	7.0516074128
0.1427864075	0
3.7998680764	3.3619092128
0	0

gene_expression_table

19.5645176811	16.7194836755
19.8478471246	19.6697684263
7.5425621292	10.2373477214
1.7065060518	1.6299197722
0.2903031937	0.525362547
2.5686721669	1.1621334017
0	0
4.9673473942	4.3370024453
23.6766480867	25.0965099826
198.2855426356	148.0989470532
1.5417642707	2.3251127952
0.7227183766	0.3269763952
6.7865995385	5.6291258965
9.9692913616	12.6290192147
1.3589650555	1.2296615373
11.8753523586	17.1926881893
4.6546683387	3.6374494036
1.9595368099	2.8566446394
0.1166952571	0.2111837514
43.0570414738	41.3952417837
0	0
120.4367987668	75.4459028421
9.9756448199	7.8006590897
0	12.3689901093
25.8492547087	25.0604317452
102.3700443216	75.7879247266
9.9825923901	11.7425925055
17.9442147171	12.7705555391
10.6103576192	16.9860268067
27.6743078864	23.5681302197
0.6331556067	1.0312412143
444.9818286337	395.5286402902
0.2347083516	0.3185642978
13.128863973	10.1197205531
0	0
586.4235982258	568.9188754595
39.7986046356	28.0091981371
14.1788706586	19.2446580807
0	0
0	0
2.0110348598	1.8196878626
110.2236052426	76.8081777271
6.319168751	6.5347533441
0	0.4741357364
13.9168311985	17.3149147343
1.0981114596	1.7388486077
177.2303272493	160.3671233323
5.3961195093	3.9332754025
1.89962345	4.2971927099

gene_expression_table

34.4098376394	29.3195378452
0	0
7.8021700041	21.1794151498
10.8718762353	14.0534760947
12.202445978	22.0828025258
0	0
0.9393245072	0
24.0355311148	18.197796301
3.5348572666	3.3169845517
4.1173417734	3.9584317078
2.5400682424	2.4686352038
10.4079134082	13.2954576241
7.8785424575	7.9066101347
0	0
0.0633680846	0
0.0257851866	0
3.2478093449	3.3139491349
0	0
10.3068327131	4.6630764004
0.6266211087	0.4535992284
0	0
131.2055567243	87.062463955
4.6007832306	2.5467920708
33.1474514056	28.118925332
1.2131422872	1.4636181201
0	2.2341911395
0.5104988771	2.0786654827
3.3710854685	0
5.5526175627	4.019435361
1.4216172569	0
0	0
0	1.4611882062
8.8496918686	6.0664066332
0.42360255	0.2299784357
0	1.9261504878
17.2124208488	0
0	0
93.721772197	65.7471415079
72.3444780558	49.494908338
2.63220659	4.525336438
0	0
0.0262727237	0.0475458256
1.1887361404	0.4429063273
55.6403980555	41.4616558145
6.2942441362	0
3.5701781186	2.280339489
146.7755873869	143.026269071
0.6750343719	0.9772893572
2128.9780211166	1442.5242047373

gene_expression_table

0	0
17.5593427702	4.7665791708
2.5500852777	6.460855602
4.498784472	1.1307588258
2.7008146404	2.7929555608
95.2544961836	91.4952436311
0.3549169216	0.4415772634
0.7590488728	0.7440620345
0.7632271267	0.5022597765
0.6936877946	0.8787581954
13.4674784165	12.5791666921
0.1901976002	0.1721005794
0	0
0	0
0.0792094177	0
5.0312527269	3.6420291678
2363.149145889	2465.2445348253
8.3391614619	6.2880854696
9.9486491188	3.7325572535
4.8584941418	7.0339449582
6.9229219017	6.264216106
20.1215319486	16.4450303592
157.7009613584	108.2520983056
1.5332133152	0
0.5980267208	1.0822507229
56.7559306577	39.9433126312
9.5785569247	9.5338885161
26.5999232593	22.2175198542
146.0333366563	108.1133020839
10.3853068122	9.7887085471
118.5745378539	107.2923456793
9.9575262626	7.3206919039
26.4094534492	24.2480540259
12.0002532527	17.6449761747
116.6561012751	105.5564455079
1.4578759369	1.648951493
0	0
17.522087159	31.7097728824
0	0
1.0698092028	7.7441474957
28.1118649475	38.1555937669
19.8275928079	20.7011845756
0	0
1.0142549814	4.5887505886
2.9559747429	2.6747181113
10.0642903244	10.9280255547
73.0939785564	53.1374724533
45.5590451035	34.944991144
22.817762921	18.0658506654

gene_expression_table

21.7336101846	21.2548358778
21.0534746144	14.9680673961
11.8434533972	12.1779162454
35.9060341284	34.4390056848
1.1765780377	0.6210332187
0.8193286235	0.9884942865
41.4533898252	31.9522482581
9.3766438996	2.8281566931
0.3176447337	0.2874213064
1.3967888257	0.722220818
0	0
0	0
4.1155892629	4.5219963841
18.0258266961	17.147141849
1.8235520889	1.8150481805
0.8286980522	0.4998991042
8.8917456555	7.8780902457
0	0.6313948751
39.908330134	31.5972225235
39.9501160726	28.6698343119
0.7026370653	0.9990862925
9.6106653861	2.898741589
0.1603109284	1.0154030623
1.877489191	2.0224391274
5.8884019	3.2983656672
46.3099064897	45.211765217
0	0
8.5165093003	4.2383968093
0	0
40.9977039909	18.5484164993
3.6166224931	1.0908354012
18.1510711861	16.4240235669
15.0750992253	15.0047983754
0.2715793591	0.3686084762
0	0.638541013
2.3113573282	1.6266717379
7.1817174125	4.3322584041
2.2176710606	4.0133258682
29.4973514824	51.8706485091
9.3029062111	11.223664564
792.720846625	722.8550521791
0	0
524.6770478581	395.6290012993
26.6992503381	20.8941458127
10.1939883228	9.2240453876
0.0899138944	0.1220380802
3.6720136933	1.9728097889
3.0503077879	2.7600755063
76.5331760004	70.7900719297

gene_expression_table

4.6233707956	1.8302654527
0	0.2891461615
4462.5068469522	3321.7266161237
32.8364708807	30.9818782766
0	0
0	0
0	0.3887237337
0	0
0	0
2.2917521191	6.2210858679
4.994884597	0
0	0.4096895309
0.3310429948	0.898634228
47.7854423818	37.3956567396
35.1731324359	36.8747959912
0.741712723	0.5145405537
0	0
0	0.1350184647
568.1968127671	458.2028596113
0.0614362203	0.0555906547
7.818615577	7.231901092
1088.4978639926	890.2241977585
6.2968519783	4.3302640166
34.5735969378	32.5874690051
3.9204500169	3.4851894612
0.1489110644	0.2694847931
10.4622602942	6.3111944514
3.2886973259	2.8127260493
5.1148790569	1.2179489126
0	0
6.5269054267	4.724704011
15.2128332697	8.9474805221
0	0
11.3652520375	12.4220944646
7.1285429823	7.0744925778
4.3470973506	4.2047517645
0	0.1011309421
0	0
7.4987448558	6.3329003326
0	0
46.2523850545	34.4112653332
0.900579165	1.6297807748
13.615571971	12.4800713188
12.0943105399	9.3801897875
15.2957817455	16.1826340494
3.5210167715	2.9985856237
0.5639705031	0.3827321569
0.4605281436	0.5952993869
32.5641860275	33.0016420332

gene_expression_table

0.3406318725	0.821923341
0.2094752788	0.1263626769
0	0
208.8271647101	168.8020944093
17.6953424405	21.8476811572
130.5922637193	144.4258477145
3.1791813276	4.3150303786
18.6181492592	14.6169548709
0	1.2958220891
0.3225034904	0.1459088798
0	0
0	0
1.3118196285	1.2661353899
2.4143118443	2.352639302
0.2166550695	0
0	0.7252361053
2.2465468191	1.6516428556
1.9939678038	2.5825463523
0.0837349298	0.1515353498
64.7741992824	40.6688778721
0	0
0	0
0	2.4886688937
0	0
6.5986370767	3.8383627521
4.0211164018	3.9295941634
29.8300411365	30.0970031277
1.461237499	1.5626034376
106.7155179866	96.5616940399
0.1847591164	0.2786325989
0.8243369764	0.7459025304
36.699837653	35.2410391712
54.2524118456	49.9592311687
46.1719768678	47.2281877286
9.5548807496	5.7638319708
0	0.0534472839
2.1035565547	1.8399593797
0	0
0.2249048246	0.3197942984
10.3092602982	10.2167636338
15.8384128082	22.1485446104
291.5928775281	276.412448017
7.6448263753	6.4112788422
12.4630335203	6.2651079363
0	0
5.9894834415	4.5407400282
14.9653426543	23.9578834778
0.8416830612	0.703013687
0.8370958745	0.2840427893

gene_expression_table

112.9114038548	110.7846330911
44.2087712698	45.5290154633
194.2314071398	239.6598757871
0	8.9918508673
1.6064386063	0.9690588968
446.0845942612	430.8160866967
3.4583840967	2.3469929677
1.6159536756	2.1640531431
32.5090416839	34.4585722675
0	0
25.2773006025	28.5902534723
12.2887164613	12.6357536786
3.429360392	2.8209652863
95.3669387122	82.3705100826
15.0423663014	14.5498044206
0	0
2.0997420893	1.8999547303
18.6165521973	28.8775109953
22.7467168069	14.9044967642
6.4012233538	3.5256604202
0	0
0.7015631432	0.3174052231
6.7859832663	8.5964297714
26.2131526953	21.512590398
18.3872490769	10.1449570001
5.8841555555	4.259429475
2.1911764435	2.6766304749
75.1096932188	62.104227444
0	0
11.8466588986	15.5919517071
5.631922299	5.8604611904
1.5332719064	2.1441379026
134.5694420044	105.8829202782
1450.8431523495	1408.1004777158
2.3000789441	1.4865927351
70.7568278746	72.5610095496
1.8314263363	1.6571688249
2.5913244365	2.038924994
32.1107576284	29.297595346
0.3543670176	0.2137663461
135.8877942388	159.6300364066
1.5444351161	1.4973047094
4.9098323825	2.6656014491
3.8258969209	3.7503575185
9.4703738204	17.9954916468
30.7820658244	30.1742975278
33.9247318898	31.4277209801
0	0.0978783767
0.0696642279	0.1891073385

gene_expression_table

97.4093231078	75.3714300578
0	0.809332727
0	0
0.5226835487	0.1182377452
0	0.3206819725
17.0733812038	11.2004337914
13899.6259671385	13802.3591392381
33.4594316474	31.855423935
2.5829345294	2.8683476058
0	0
0	0
0	0
1.2453925626	0.8698840907
1.3295562544	0.9357062868
0	0.4485690409
0	0
198.7356028666	218.7075450795
7.9003339523	7.1486288434
1.6458974457	1.4892927343
25.1712612592	24.7741698444
11.3048844692	7.6425366828
0	0
2.2318341669	0.5048696104
21.1521861151	21.175713102
0.6906754252	0.7291184582
0	0.2034118431
0	0.2259466266
16.8935420537	20.1417459427
1.9101309734	3.0246734561
8.9548799083	10.4179323972
11.8044760764	6.9552635598
0	0
0.4447917172	0.8049408843
0.1090698665	0
4.1388557851	3.7450497691
11.5093804163	11.2821365214
0.7685044987	1.6225590045
3.6790160519	5.4095650496
2.4506877136	1.8143250518
43.2725395188	21.752900714
30.3743812605	39.9771690738
0	0
244.6754356006	191.6275437804
41.3343967707	48.9781416111
23.1661764175	34.9365815692
55.2261477464	39.0402041736
359.0394563428	272.4539864988
106.314181068	141.4684466712
6.1819897918	5.5937825922

gene_expression_table

2.3886800766	3.2421010421
31.193515449	47.470156599
0	0
153.328492725	160.3212150991
1.7458487385	0
15.8476849025	7.1699005434
4.0508715747	2.5963512978
4.4223727065	2.236182912
12.3749430939	14.4634188134
4462.9797796902	4794.8554879015
6.0659215914	8.2331371645
10.6087467907	9.5993401998
16.9072131452	9.8067415268
0.5707803075	0.8263542466
0.100596807	0.0910251694
50.4305291034	44.2451436331
7.6082346121	4.589548216
0.5236252347	0.2605916868
42.2673351405	37.5374076447
7.8411845004	7.0951073745
58.9778909985	65.9800683631
0.5483678538	1.0337322131
5.2720630474	4.4978378033
0	0.0635079179
10.582218878	6.7027354652
0.5330480402	0.4823293063
16.5038124987	24.8891651852
0.4339695987	0.7853560644
5.6575673252	3.6566129635
149.4919235121	119.2599418613
17.2919887973	20.8622421317
0	0.4428659994
362.4345147228	327.9494058638
8.8275980618	7.5439059676
0.5165719412	0.4674208838
0	0
0	0.2526086917
411.5309414261	409.9291826035
18.7460592416	29.4014922718
0.1114365861	0
0	0
20.9161079381	24.2640655836
0.9606938769	0.8692852732
15.7469130175	8.5983036625
0	0
24.4329687627	19.9513095374
318.0890458182	368.9717743005
14.8073558549	16.2456300967
52.3981065783	52.1145706389

gene_expression_table

0.0753665408	0
44.9959505039	50.3460753755
0	0.3830616134
140.3783427983	146.6351725933
329.961978248	367.7994141872
0	0
3.3626942721	3.0427388779
2.5334359972	2.2923833032
2.8018066507	1.901414164
6.6834896508	6.0475654802
1.3209250882	1.4940512709
0	0
1.5385487618	0
5.8214694894	3.9506739481
3290.9326927619	3287.4135688988
0	0
5.5757472801	4.7929620022
9.842260703	7.4214867762
0.0977682781	0.1769315416
96.165160257	95.1728610747
8.510157933	4.9502757683
1.718769093	2.332846128
6.9417699921	5.9323113379
0.7656331224	0.4156705569
0	0
0	0.0342231909
0	0
0	0
0	0
1.1160451241	1.514782618
3.2092864167	1.1615710214
11.3550143262	8.2196811851
175.935237475	102.3398096384
66.538922348	57.9570816923
17.1419378635	12.3174855978
0.1598122341	0
0.7357892952	0.4161125189
0	0
1.7805154426	1.6827065621
1.228360613	4.4459356585
0.8819119849	0.7647493885
73.6406708277	39.9803218474
42.7346795646	30.7365301347
0.8526214299	1.9287393997
28.9893134253	33.8618661348
0.7037797457	4.4577129952
0	0
0	0
4.9334070155	12.4992017452

gene_expression_table

7.4092982169	7.397864202
3.7881236454	1.4432375893
66.2789932535	67.1122455073
2.7823975261	2.2658908593
1.2464098221	1.5037543575
0	0
0	1.4266085415
0	0
30.332760723	0
6.086799294	11.0152986595
53.084862539	52.4406975686
4.8033488965	5.5881222972
0	0
2.1692565344	1.7992837304
92.6751807673	135.0244245162
0.9783011941	0.5901448534
257.0428292977	249.9427167819
0	0
147.0367723181	98.7769028439
0	0
12.0300820446	11.580252663
24.5147344024	15.5504037788
2.6760927931	2.9595701858
65.7519257294	72.8156659955
24.410981001	13.9505129729
14.3264512056	15.5559726355
19.9664888013	26.2788463665
353.2701672578	167.8199420766
63.6657072338	83.2115688551
66.2859973442	34.6032591826
3.0137275691	1.6361855048
0.3616377467	0.3272284491
2.1514668359	1.7810764165
0	0
0.7608102366	0.3442101331
2.5138132619	3.5153336289
0	0
0.2886045739	0.3656019848
21.3721551383	10.1297565483
2.447128627	1.2533705388
0.1046850342	1.3261417096
1.5456183808	1.9230132272
7.1679961335	4.3239812577
0.3534727222	0.142151251
0.1009078064	0
3.5137715474	1.5897206868
2.6715193923	2.6859202969
0	0
0.4805019697	0.5217395002

gene_expression_table

25.4622451349	17.6694294085
123.5697584443	111.8122784071
70.9746518419	71.8897595478
36.0712222288	22.439380357
2.05920115	1.8632712014
1.441135708	0
160.0652580802	164.6757351666
239.3058183255	216.5362231011
0	0
145.3554959676	125.5467199413
2.2065194008	2.2461438805
6.8423532667	4.5620204425
3.6960248025	5.0165302508
0	0
0	0
6.6722497697	5.0636216609
54.953137129	62.1555341024
30.0287545305	16.5392121885
105.7779198312	95.7133069643
20.5880403214	12.4194124585
0.4518724575	0.8177549209
5.4355330854	7.3775252086
0	5.2786227283
2.0594336803	5.5904448204
4.3861185684	5.6224466402
4.6988914357	0
218.0988037756	122.4912566909
41.8368699437	31.8788661476
22.9068095569	18.5830610972
81.4284256178	95.3514050406
5.5986407935	15.1978151689
181.1406737982	153.9717452009
0	128.1731596442
4.8311450026	2.1857343449
5.4742825708	3.9627301346
3.2545299817	8.8345987798
40.2762123057	136.6649631817
0	0
25.9517216431	37.5719258438
9.0493004921	11.6975327338
34.2288748569	54.2010839317
13.8908834412	16.7589151931
0	0
0.2280017176	0.7220769179
0	0
0	0
0	7.139986719
862.3516654739	1061.4894312815
94.7300300738	73.1546909712

gene_expression_table

315.8500952304	330.9233343188
26.752048901	27.6647210897
1.9813833612	1.7928576604
234.6556144103	249.7982108487
2.888548388	5.2274145489
18.8714598833	16.2001827873
11.9339104176	10.0271010028
0	0.7790072251
0	0
1.6142250605	2.0866198997
43.5322790154	27.1848183192
1.8199183482	2.0584447561
0	9.2256012882
797.0815484042	658.5238582196
0	0
37.1311280313	31.3582789628
83.7840300971	77.9179951195
6.4500698089	14.590887979
13.4843418741	10.1677722145
0	0
0	0
296.9326149966	247.8115722424
0	0
296.5458924339	295.1629875547
6440.5136317279	5192.912856967
8.7261111888	5.9218759465
0	0
8.1033367996	14.6646325391
101.9026230204	66.1718949913
0	0
36.2126033948	29.4903248921
1.7828846088	1.6132457711
0.927511045	1.9582727237
17.6035196849	9.4391530563
75.6852803514	102.7259065387
0	3.4879353879
276.395506948	192.6975980862
9.5243136077	11.849872695
5.9309178487	0
42.290022921	37.1407135235
89.655843847	67.3166741571
1.3494943262	2.4421838678
12.2235008353	16.1956630016
54.115195207	48.9662142964
7.1449842839	5.6031296364
639.9148205152	709.0551815529
7.9121789088	11.9322446162
127.4240865305	105.6915501288
3.8025815143	5.8695513799

gene_expression_table

29.1394305728	23.3819296016
1.7937125532	0
126.1454388377	127.9783880225
205.8430743401	190.7455401471
0	0
6.9049019914	0
0	0
2.6540246012	0
2.9672682342	4.0274055654
45.5064186182	38.0091231575
161.5389214756	133.7288395911
3.7656621261	0
0	0
42.2492024356	38.2292532143
87.5228428779	118.7927604381
0	10.6323506926
0	1.423225037
121.52618153	85.8248935168
375.4318361355	530.0648214834
3.7656621261	0
1.5888982203	0
6.2928867405	3.79608524
0	0
4.8048931032	2.8984764133
4.3998968359	5.9718797241
8.2926326633	4.5021605468
3.8425224935	1.390764861
5.3541496909	6.4596136726
2.625055399	1.1876426271
3.7019499685	2.7406758238
2.0130233736	1.8214871723
8.0041213398	5.9257153753
1.4389563325	1.7360556833
20.894109115	20.1337320777
0.2449599219	0.2216523471
1.9681592049	1.6112830237
0.8065806373	0.8920213876
10.148001074	8.3476670524
2.937161877	4.2523124188
20.9891140554	10.6830173521
0	0
4.2073220497	1.6920006976
18.84350897	17.4768413412
29.8894931188	12.621257594
15.9606254636	11.1092273232
8.2954026696	8.444370775
2.3628772099	1.9242476394
9.6558953724	19.6585901704
2.9383054781	2.4814813808

gene_expression_table

203.3570018115	207.3739638226
0.7705745172	1.3945109795
3.43150146	1.8629994981
0	0
0	0
41.414423849	44.0869442089
9.9058918488	9.5609182589
31.4361714441	30.2921483716
0	0
16.0365551855	26.1192611541
0	0
6.5590138947	0
25.8937654208	31.2400158387
0	0
0.5619557797	1.0169730342
0.1326501551	0.1200286887
82.7301784967	74.8585241827
3.6811402775	6.9179923721
39.0375514923	42.7164111166
30.6757089916	21.3232279958
20.0568296934	18.1484519665
2.5416656532	1.623409355
6.6958866007	9.3406236046
0	0
3.8998932853	4.0329419408
0	0
0	0.1751952152
87.8483333682	75.7490026855
0.5524165601	0.4998549402
0	0
49.5698456662	7.4755580087
138.3818328272	108.5196716811
0.0961067242	0.0869623113
26.9893689865	23.5279056133
36.7233675314	19.6913738318
0.686063633	1.2415713829
8.4402451848	5.940019804
104.8739067549	87.3036846455
38.7785612465	30.1927214219
0.2197459672	0.15465136
1.1138299036	1.0078506331
0.0254151199	0
2.2647632653	2.8689841391
0.3727582959	0.3372908945
0.8997969703	1.7640623376
9.2124123395	11.2352961825
0.6597060005	0.5969359488
7.2515198349	5.2915713154
3.4703116864	0.7850291635

gene_expression_table

6.1964813344	11.1336920679
16.0092806361	16.6589244087
23.3855914474	26.9315288522
0	0.7398058528
0.0911570964	0.3299345332
3.5878662013	6.7635125637
6.321591641	6.3556683685
0	0.0857830215
27.9954013319	31.0888802905
0.9048191449	0.5458179596
0.2342655412	0.4239510419
2.5697278062	5.4255180006
0.5541365035	0.1790754406
0	0
126.9717623942	111.8671502128
0	0
1115.0125555514	1051.8535556495
147.1829653099	84.3904782636
4.0806315047	2.1719796723
2.3342225274	2.112124701
0	3.4294935559
0	0.1313602396
0.1647198183	0.1490469709
40.660700178	30.3371762498
10.8615753239	8.0411829311
1.201248001	2.5362190644
30.6668444336	28.8588970512
0.2054764091	0
0.5388756383	0
0	0
0	0
28.6568174106	32.6945540442
0	0
6.1067172857	5.0233383217
0.6748407913	0.9159460298
0.9633792693	1.4528585909
5.1735755553	6.2417566416
2.6208115516	1.778583902
0	0
0	0
20.5824593325	15.337468359
0.1355802132	0.1226799562
54.8372931788	43.5789580606
0	0
1.1440191773	0.690111628
0	0
0	0
4.0684189505	3.8413720647
9.6653624382	4.8976017862

gene_expression_table

13.7344523921	5.5233953462
8.246913031	6.8882136319
2.0526249167	0
1.9990879621	2.5841109924
1.6599417382	2.1028010263
1.5785468918	1.2243004167
9.6328625464	12.9338792067
2.4754785354	3.7332340139
6.0579159709	14.0953222599
154.3014349821	133.5869234704
4.201765551	2.4194378496
6.3078503708	10.1922637911
74.2336509621	62.6165013267
7.3588881716	6.4870848284
32.8832029053	34.5151210618
2.4995931924	2.0172459329
0	0.3348807266
2.8810731905	2.1953206998
1.7545880863	1.9845520261
0.6649071644	0.6016422296
0	0.0592458223
1.5497432586	1.4022874761
8.9903818954	11.1479086063
10.8474144606	9.0404069675
0	0
3.1036420458	2.8083350884
0	0.0573384559
0	0
4.0975036031	3.7076321862
1.1195047732	0.8103884378
2.5989860446	0
43.2209080172	34.7631132843
20.4772742565	19.0435832906
50.6364804758	48.8730604104
0.5330869929	0
0	0
1.5408235197	3.1369869836
0	0
72.1397307661	77.0107067529
0	0
7.4229196741	5.5971998573
0	0
14.394701248	17.6768762103
159.9190115821	147.7817400376
7.3970019088	8.1274426935
2.8034082522	4.058668955
1.403497466	2.5399135094
5.7493988865	0
28.2954125821	40.1115951799

gene_expression_table

14.5856822031	9.2385132564
41.6299067526	70.9061319549
0.6575948938	0.7933676143
0	2.9356983419
32.6643087487	28.4616684517
190.7197112124	172.5730123314
39.1784583989	42.5408231257
28.6360312223	23.3202196252
104.2422766629	134.498720447
53.4567431879	56.3538792403
69.7303864019	44.5381010178
29.8304189486	25.1926253945
129.0394272501	204.9813286213
0	0
167.0351676511	163.7371862906
0.5277457103	0
76.8987442938	77.6106279865
4.621169142	8.3629434447
10.3018943744	4.6608421689
8.7927227246	5.9670811064
23.8248246702	37.1275422974
1.5670541762	5.6718051419
54.0944943614	17.4812439663
15.2249378146	8.2657844788
4.9271316174	12.6319132401
0	0
256.763467882	332.1216463737
46.5541094695	44.9328583479
0	0
11.2144949329	20.2949046016
18.345980451	6.0365045466
20.6051877024	30.1182557643
702.8561511937	596.3772496028
169.5286321888	172.5730123314
50.9319959186	46.0858917196
0	5.1751608951
0.4986519672	0
66.6647554532	45.959392318
12.1971908333	12.0399776045
2.0671660396	5.6114347308
6.1848486256	2.7981847061
4.0161649514	7.2680655742
5.2191228431	7.0837965176
215.8088817196	189.0428049324
508.8833468461	409.9251328647
4.6203967723	6.2711592637
31.3877186972	42.6018354214
6.3379921406	0
12.8039121613	11.585638827

gene_expression_table

0	19.3362657537
3.8004839562	3.43887352
11.1815490416	21.9215558518
33.0494428996	27.6044651194
16.1228834721	12.5046985019
0	33.5924565989
3.2035551287	1.6104119939
5.8290283291	5.2744048915
3.3988331824	3.0754392243
11.5519064986	26.1318991357
7.9334856567	4.7857508081
11.5089480904	7.4384919108
2.1700631494	1.9635848453
0	0
10.7742664016	8.2097775698
32.3946631598	49.6055302739
8.8434051568	8.4726722281
0	0
49.4997723757	37.3249517765
5.4125455957	1.95901995
7.4897627863	2.710849167
0	1.9966478287
150.8832347362	155.5771853594
14.0319001036	12.69678553
15.9396116982	19.2306415781
1.3062993919	0
239.2587924981	190.8224853428
372.9449348998	521.5287433084
1.6005329137	1.8103057131
1.0472335564	3.3165679049
0	0
52.4881228834	46.0097693922
5.0258552903	4.5476525812
17.7149804611	20.8382540995
2.3103812997	0
2.1128825818	0.8193621104
2.3109563596	3.5846953279
9.1300019275	9.4007847923
44.3480994828	32.1027546456
45.025895932	39.2327947797
3.5077072865	1.3602660506
23.0117286579	27.8567225562
22.2591195672	15.8252263801
3.5012777752	3.3793454563
1.6164267383	1.5056445365
2.4883934816	0.7139303589
0	0
2.9229806487	2.1639791098
2.1575560551	1.8020933377

gene_expression_table

3.061322282	2.9547114534
2.4556185993	2.2219701159
12.3647552428	11.5079318134
3.5415770533	3.364831288
4.459435855	2.5678081665
24.902105781	20.9787273834
0.2891410604	0
3.8767258955	4.3848264393
0.3693966101	0
4.1400598303	2.8646947215
1.1778610629	0.775119507
0	0
1.5296501327	1.3841061815
7.6307834246	13.8094513006
0.8361384145	0.3782905396
0.853001522	0.5467197782
193.2458001026	148.2498077428
61.1315275464	60.5830437345
22.1935775901	16.065513165
1.0473087293	1.4214882754
3.9447819758	5.099202566
26.9331237748	54.8335728462
2.9595823303	2.677982442
65.0227664026	64.778971069
12.3378410966	11.1639137359
4.4039696667	2.6566256376
3490.9687912314	3413.7793367475
324.223509061	412.5573576049
171.521621252	164.901691798
800.2060310034	565.3678589566
101.3785147035	99.3768736327
25.6621188145	26.6689812693
44.5422392028	23.5107313696
0	0
4.19174236	4.073860136
5.2648881018	4.0493505077
8.2070965523	6.6444978103
2.42306099	2.4361225722
17.1446038869	40.3346323769
0	0
0	0
16.5796112588	10.9106078044
3.1600731877	9.5313229683
42.0373026901	56.3518746915
2.0102036247	3.6378714366
2.2336279712	1.0105507841
0.5974145405	0.5405714292
0	0
2.06589766	3.1155509141

gene_expression_table

12.1956460639	8.5829709393
0.2783379514	0
0	0
12.1099418225	6.5746192447
21.8612382381	25.1760392581
2.0514704595	2.4750347663
47.0915102395	37.5977846308
15.9652461562	15.4311431444
0	0
0.9693746534	0.8771400866
23.3423950237	12.4808276317
0.2818844628	0
34.6351523033	54.8444202395
6.2372792831	4.0827571613
0	2.0136004032
39.1183100329	33.4567394715
0	0
1.3760960064	2.490325007
104.176734059	101.9595305643
10.3029047603	13.4659757367
0	0
0.7403865781	0.8039278662
70.5631530834	50.264242787
5.6594483738	13.2291472312
0	0
41.0183122673	37.5852966359
28.621318642	36.9972034844
0	0
252.5083892856	256.3463192885
26.0218811834	22.3066777415
2.0956704837	1.8962705319
0	0
11.9703723517	8.4448274335
1.5094204332	0.682900654
25.1726326911	9.1109975454
25.4848173061	11.5299872868
0	0
0	10.0758141144
6.9650592709	3.1511720834
0	0
101.529866992	99.6881266821
0	8.0827563939
0	0
0	0
242.3821341389	97.4754808923
68.3883821638	81.5377506152
1.776170666	1.0714471001
18.7356278243	15.8227631373
0	0.7084620163

gene_expression_table

0	0
0	0
3.7173844066	5.5042048961
0	0
15.4220361751	13.2201968278
0	0
6.6509335466	4.6425397175
0	0
52.9905250887	31.9657032527
31.8734197875	0
23.1649503695	31.4412593253
0	0
2.9285543773	2.649906753
2.4436911327	2.5270600344
32.5792137873	42.3765652024
3.7794160988	1.3679240953
456.4228083548	342.9957246683
13.5532353997	23.5053580428
85.0621197197	60.8855968063
9.7854177785	0
4.408235696	9.7906874219
31.6349911269	45.7999494999
184.3730990869	161.2692619449
3.4500018699	0
0	0.5234461537
0	4.9833290968
106.8662684068	101.7874745054
1.8114651535	1.1707906566
13.5868608812	11.7436094399
60.7365491151	70.4143688276
2.7845393297	12.5979726223
1.920047627	2.0848295168
9.8667187087	10.2033314218
3.353405566	5.2411223265
0	0
1.7128904069	1.2399291313
0	0
0	0
0.3622818928	0.4917169585
57.6682130741	61.2125237188
0	12.6749208755
12.812696645	7.2459921751
0.2393657065	0.3248856195
57.6766564435	51.2223483527
214.2337616834	233.9565774772
3.9780217871	1.1998396295
145.9005790775	121.0168248974
3.4072998383	3.0831002904
18.6904565235	13.8765843578

gene_expression_table

9.103467857	6.0195553977
1.4725214339	1.90344742
34.6416709647	33.6391452112
52.2861396618	47.3111906853
2.6016218449	3.3104269241
6.4189835811	5.2802061567
0	0
7.1971477445	13.0246995298
137.3181920729	186.378853318
7.0756827875	6.4024420191
3.8524147885	1.7429316052
14.8345533236	12.925916834
1.9566242542	3.3196018985
2.8216248758	3.0637817228
1.0182425376	1.8427165277
13.5391491507	16.9062683616
0	0
0	0
0.6414283664	1.3929537709
0.0340381018	0.1231977066
16.6658866823	6.7022898557
0	1.8015605136
0	0
0	0
0.3657664496	0.330964312
3.0975220975	3.6271496335
5.145043783	6.9832506974
4.3970790455	4.9733793345
22.9530056508	20.4046915662
0	0
13.8835399841	5.5833518475
3.4976964778	1.8461892301
6.7703284955	4.0840944914
0	0
21.2241075133	16.4611414506
0.2550129849	0.230748876
0	0
1.6931284131	1.723533463
110.4145647843	117.9478676356
1.7034510108	0
0	0
5.2068852649	5.4553722139
9.9411344735	10.155927655
5.9687278796	4.9507445497
0	0
1.1768601161	1.4198448186
3.1270552232	2.2400370914
0	0
0.6350406053	0.2873087148

gene_expression_table

2.9221234267	1.8886340698
20.1724461809	17.0361965349
0	1.9879288425
2.4089253563	1.453146444
101.2231924915	76.7082624842
6.0688461707	7.488278754
72.3510184766	65.4669259112
88.6887921448	104.7332916895
0.5094400688	0.645354638
11.7014671579	3.0251685251
26.7648552754	32.9367775957
0	0
5.1651446596	1.3353396494
0	0
0.3538556427	0.4031981937
0	0
0.5634722695	1.0197174303
10.2723869162	5.4924908236
10.4175535606	11.410831086
35.5421629909	31.0117937159
2.4551020837	0
47.524618592	30.1934000714
0	0
0	0
0.4471500171	1.6184174131
1.6418350716	2.1789047706
3.9768796495	2.734848922
0	0
41.6613175084	35.9021949237
354.738662855	297.6884462717
9.408526028	10.835132853
0	0
2.2256209149	5.0346409287
0	0
6.6966063549	4.8057581184
5.0622571567	9.1611817276
0	0
33.2167406833	42.9374526562
0	0
0	1.5025135655
0	0.4072336263
1.5413118432	3.254202694
107.5475211958	110.1389292431
25.1080470878	20.6536849865
8.02714067	6.7681403103
36.7951451004	29.398018453
0.2193268078	0.5953745577
0.6622748041	0.7555891174
67.0866576358	65.3729582481

gene_expression_table

12.0559617297	14.2421159556
37.9931435503	30.0027508774
933.8264843469	752.6661594706
4.9797543949	2.8162113237
11.1148231903	3.3524213924
6.4042552668	4.2144726076
0	0
4.9887362059	5.4168783875
2.4644989632	3.446372177
49.8706271886	56.6692459413
1.1779339279	1.6749153994
2.4162058886	2.1863074664
0	0
6.6523390835	9.6978881366
0	0
0.4555727159	1.4427897567
0	0
0.9145651544	1.655091261
0.8748610606	0
5.6859150069	3.0011966778
35.5581195802	18.6275256384
20.8076411912	24.7115201275
9.955686051	15.0140287085
60.2591290639	77.1337217402
13.0793885323	10.3555410246
5.4282372766	5.856315538
111.8012100211	72.2596357053
301.7408569729	364.0408800276
4.7242133059	8.2440862449
164.108846311	188.563977052
0	0
2.2809439393	1.2899471824
0	0
2.4044261549	0.5933586973
0	0.5561477565
0.9022359723	1.2245843278
4.908224717	4.8557277257
0	0
6.203507108	8.8208254633
2084.6316336681	1948.3026225331
4.7548957286	7.9903096403
14.4696497509	11.2224719527
41.5142044548	46.4609708602
4.5898727197	8.3063062168
20.9433826216	23.0115044127
2.5882664374	2.3419967081
4.1943532867	4.7440834567
12.4382420356	14.5649856955
2.5820499913	0.8344184813

gene_expression_table

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14.1239669969	0
9.3200738995	9.3703140346
15.8227234075	17.7260752699
66.7955561506	25.9028818378
0.955659783	0
2.3028146483	0.5209263088
0.0839155321	0.1518621863
3.3617644949	3.0418975676
565.2026457638	429.5079785361
1.5567332591	1.4086123884
18.1973282933	20.2656976968
82.898056294	67.1968423372
6.9708828991	10.8949690928
8.5984036388	3.890139115
1.3744831615	1.9021341812
49.1053225959	44.433023666
2.7090772256	2.0427604401
0	0
68.6609388709	64.4902314719
6.2681045	4.9154764647
4.0922958861	1.8514599878
3.9231131777	3.5498347522
29.2920766418	30.3334757443
8.404272918	7.8218935824
7.3366030378	4.4256907286
0	16.7154158564
34.5009251628	38.541003805
0	0
5.2869712036	1.1959809252
0	0
2.8970370334	2.0971105903
31.4549368484	23.7183717147
0.1609156151	0.7280236599
1.0974093951	0.9929925117
362.4859107515	300.6629189998
3.1793545234	8.6305309065
2.1526491393	2.4347846907
4.9340743685	0
38.6456299333	36.7772736925
7.9363883363	12.5671922355
6.0285343603	4.5457735154
12.945925384	10.9331970545
1.3698441567	1.5149511765
10.2626803307	9.7147953656
130.5025855646	100.2836295365
0.7759458404	0.6085003076

gene_expression_table	
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0	0
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1170.9022185732	989.7891409485
11.3306170653	4.5566780372
5.5648512358	4.4429681104
0	0
10.7106034661	5.6812272817
5.4854600689	4.581716902
4.3604476712	7.8911150289
15.0946505105	10.4064128039
1.3687128565	0.9526783457
1.0003467883	0.9051652687
8.1171837032	6.8202138278
10.3297214763	7.3149368337
2.1503005336	4.3778308797
0.709978487	2.5697003296
46.0058826756	24.816984946
0	0
0	0
6.6411017969	4.8073686144
92.7867769185	76.7618305056
19.868440183	5.99266248
2.2796965481	8.2511471521
0	11.4798569073
0	0
550.218285504	430.7378513298
0	0
0.8933417774	1.6166832529
0.2254265614	0.407955114
0	0
0	0
158.4831833297	130.3670386111
27.9717367863	43.0274544741
772.1403138151	925.1649729132
1.8352274098	4.9818246956
99.9551110726	131.8343994576
6.4665872732	8.4518792851
1.4881740012	6.7328822131
30.6634607282	33.8152884731
3.7849647717	4.566441284
8.7773574373	5.2948032259
70.8784576983	44.4007918499
121.3358024652	84.9325675785
6.7380991439	7.5039741054

gene_expression_table

11.6876298326	11.4568665396
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0	0
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0	0
0.6972326445	1.261783976
348.7184170258	257.5083287028
12.0266610167	3.109240566
0	8.4627150278
0	0.6523612909
4.3048677882	3.8952659753
675.4018304011	810.6937211319
115.1295817684	80.4989966058
0	0
0	0
1.0273965149	0
0	0
10.158523128	19.6970456865
59.1270920982	71.3349821328
17.4313714549	21.5083666395
81.435911519	41.2649466861
716.4760579697	700.6926549797
260.2248776938	225.9830582236
24.0454808317	31.7995529188
0	0
0	0
627.385838668	509.7140491396
81.6303127998	54.1664266605
1.0659013667	4.8224121286
12.6904023017	18.5493472709
4.7742336086	4.3199723309
1.5831226028	0
114.0516545456	72.2398656271
340.1826973309	307.8148160368
0	1.8370326923
0	0
4.9407578421	0
1.1646889046	0
3.5179371261	4.2442808048
39.5629877128	38.8546082824
0	0
92.3699777096	63.6808462749
2.9244453613	5.2923774076
673.8147676804	544.7511847758
5.5581172982	0
0	7.8864011012
73.4935023824	75.1747090511
0	0

gene_expression_table

10.4795920412	12.2714373734
0	0.6833248159
301.5574278805	224.7120926529
2.2857681197	4.136561317
0	1.5146667558
0	0
6.3770832485	5.7703131946
55.7627035145	64.2179549727
21.8675927874	11.8721541757
37.0041477263	29.2389011034
1.92557185	0
88.1574495936	71.7924586043
7.3497437126	4.4336176346
0	0
0.9682809867	0
0	7.276411231
7.3243262589	11.597998005
11.4312284469	55.165674352
68.2775450494	57.9197226237
68.6052879675	89.6676388525
314.1284412069	288.6125005835
1.2537106688	1.13442195
19.9233262384	14.2977923057
282.6761729237	318.603098735
3.6787841421	3.3287532636
0	1.4907221594
1369.4087847816	1437.1851564295
9.8867386142	5.0097768196
0.3713309683	0.4199992188
0.9786074122	0
0.2169622126	0.3926371569
5.2109150678	6.9966062237
0.1967561381	0.2373801095
0.7172028662	0.8112025908
0	0
0	0
0	0
1.8241182619	1.9714975675
0	0
2.5680693337	1.2909562938
25.4110790011	21.5098167233
4.1838290652	0.946435977
0	0
0	0
0.0392482283	0
0.7280831333	0.9882106475
1.7790728585	1.9317560439
0	0
8.8247429979	8.4841493417

gene_expression_table

1.6760789681	1.7061778456
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0	0
1.5941353288	4.3273671191
35.768375428	32.3650673261
0.3032267418	0.2743751651
10.091251741	19.9742463372
16.1587212164	20.9284455116
2.3450024229	1.8389617179
0.6503450622	1.0788537649
49.2322975455	45.7519148972
3668.0585932944	3886.8691141471
8.1577064063	6.7663866311
0.8721416646	1.5783173463
0	0
2.5612674648	2.4395438398
3.9823473262	2.6366581895
49.152356792	44.4755826278
16.8844077097	13.5318376784
18.5110307941	17.8917608373
4.6110616892	2.0861629894
18.8722646174	11.3843976721
0.5081106268	0.7662744183
2.5797700755	1.9283420211
11.3678428515	6.6860361044
0.5656683664	0.4094766854
1.6536016307	1.4962638774
3.0256019883	3.2852645125
2.0048861737	2.2676552687
5.801504213	4.5933121976
0	0.18458426
32.6040988015	21.0013290137
13.6193041715	27.3854388702
20.6921825383	17.7871843301
5.5507163431	2.51128694
4.2024849401	2.9250959261
22.8380025166	12.3990001816
6.5382289526	4.4370945922
1.6067460941	0.726933288
0	3.877841807
4.59264191	3.8093539131
0	0
2.8364356911	4.6197954427
0	0
2.1401890542	4.0491567456
0.7811359839	1.7670301214
0	0
1.3628562802	0.9248868883
5.0103220837	4.5335973363

gene_expression_table	
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0.7950443652	0.719397068
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0	0
0	0
262.5934009288	287.6307690532
0.9989313217	0.6025896544
2.7647185704	2.309224321
43.8245161232	34.8961167552
0	1.8339703332
67.7387027268	63.4516857994
0.5389154474	0
1313.574345392	1952.6830559304
34.3260364033	33.0856146033
1.1157234368	0.7765876918
33.2798800915	28.679379663
2.9044574468	0.8760342033
0.759231556	0.772865769
0	0
45.381206556	39.6944767089
0	3.6850901447
7.6201555925	1.1491848401
89.1747746596	72.2596357053
16.7344593404	30.2844004927
0	0
3.6508610996	3.3034870573
49.232522044	31.1836841922
50.5228712312	49.287233286
7.5812200092	10.2898171811
12.9091506122	7.3773877862
2.341903356	0
29.4460804128	20.1981206327
16.8951962455	21.975987204
5.7658242528	2.9346832067
8.2253117081	7.4426854456
663.6392054038	757.4081591502
4.0720228601	0
0	0.8485015389
41.949562702	34.162311383
0.7364327274	0.6663622409
14.325044583	32.4050943627
11.1071675209	19.3827926575
8.2725711063	14.9708963637
3.1552211042	2.2840051804
0	0.9214011337
0.2730175507	0.3705605008

gene_expression_table

69.8423068825	126.3938290412
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25.1336053536	15.5060317634
2.9002475652	2.0502291346
20.633331422	10.3722780039
8.5975591678	12.9658568487
7.2389272676	9.8252310419
1.1675315415	0
0	0
1.0068656008	1.3882877345
8.2255435703	6.3264609595
0	0
16.7232351975	15.8595461825
11.4627367531	5.7046408531
2.3910288279	2.1635259658
3.1207196609	3.4512961921
4.2326828859	1.8141865389
13.1054029712	10.1643799128
8.3984983159	10.9769018717
0	0.8983284869
0.8256060156	0.7470508224
7.025259008	3.8140895926
21.8577646558	34.6115535968
2.7867554021	2.8818282753
186.2226926288	157.8615282089
9.802866	10.2347743572
17.3159535416	11.9574373121
0	0
5.1160649263	3.4719591777
0	0
3.4199250422	4.7608064995
0	0
3.3762340695	1.2219961534
93.1720821923	63.6985437664
49.5634671699	31.9369105097
68.3603784165	53.0194194512
0.0379305396	0
0	0
0	0
1597.5621268991	1993.6347244507
28.7914314904	553.6043476493
0	56.0349551925
5.0206668643	227.1478913172
0.5468230012	1.4843808006
114.4663565484	63.7384933898
9.6683558959	9.2088695894
3.7390545444	5.0749335392
2.1800066602	1.9725822457
0	2.8948219369

gene_expression_table

15.0623708214	9.7351489148
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0.9528201083	2.586482046
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1.101427389	1.9932563988
1.0617128444	3.8427697405
0	0
2.0914797136	2.4602220596
0	0
33.9770587457	26.9011678083
0	0
72.2686646337	108.4919494951
3.1851385332	2.8820773053
0	2.6871230294
0	0
0	408.87574339
0	51.4834808376
0	266.8456100253
0	21.809199521
1.3295113822	0
92.0218095727	55.1637715624
2.9324539171	4.9751911075
83.5553977096	52.3420788503
11.0331613813	8.8088579725
11.3301980646	1.4645923501
4.8460244274	3.1890417159
6.8899409548	7.2123141491
1.1786978433	0.9845044469
2.2030588887	1.087331503
9.3597260144	7.4105166676
2.3617823224	3.0720269443
7.7869015697	8.2203209485
0	0
0	0.9850645757
1.4906066518	2.0231664451
0	0
21.7213413652	23.6862981309
4.6172788345	5.898284572
0.6268082059	0.4253762481
0.1891079675	0
225.7125295134	191.9821367072
3.3036586703	5.9786408529
6.636232095	10.3719348918
90.0115743047	49.3618823831
0	0
21.532336525	16.0452900605
14.0473205239	12.3255648195
8.7831949519	7.9474869226

gene_expression_table

0	0
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58.1781088554	69.1728163159
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0.4954347485	0
0	0
0	1.0889009769
1378.5881487635	1161.2863123402
0.6807967507	0.7920256439
15.211882407	12.3599540291
2.2007157815	3.9826418495
0	0
26.3591489374	23.8511148413
0	0
6.0257481476	2.3367459042
91.894744574	108.7360477408
0	0
0	0
0	0
32.3552437339	31.2284694107
0	0
0	0
106.0755678746	126.6970771915
0	0
42.2840732836	44.5756964885
25.7945775165	30.8424884864
49.3259873352	42.9160504628
13.7103128342	14.8869561773
0	0
5.6260152653	10.5886730994
34.8886539512	34.1287027554
1.5049674982	1.3617720631
177.4801471619	168.219106057
0	0
0	0
0	0
27.5393503127	39.3458238924
0	0
0	0
187.8409231186	196.3425027092
3.3963936234	6.1464635714
0	0
18.771383606	29.7242998081
5.6212898893	7.6296486862
1563.2204901158	1643.0855800713
8.1440457202	7.7785491185
32.8296821476	21.0417403466
0	0
14.3359211242	17.6889264538

gene_expression_table

2.3043604056	0
16.3894466269	14.8300149831
36.459666609	27.1809207267
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74.3036779587	85.2428443505
0.9737308118	2.9369392101
18.0883435504	18.0039908104
0	0
61.6506129145	52.5969539576
0	0
39.7879792622	68.052961313
0	0
0	0
24.1113700275	12.1206715418
2.2654196844	2.3915130714
13.7546145788	11.904757952
1.9406317879	5.0923522633
0	0
41.1132311596	24.8009119518
49.3969335135	16.2534139038
131.7543252125	97.2568675722
21.3721551383	27.9335710878
7.9265073747	9.5630825377
3.9010850021	2.6474268937
22.2597933836	67.1393563826
0	0
6.4012538808	2.8960920135
0	0
0.7283739158	0.6590702133
0.9765332587	0.8836175612
49.6984940896	59.9596743575
0	0
342.3659797847	274.0453205751
31.6168734167	34.7389834435
0	0
89.3072571809	58.4317041
2.3855555768	0
0	0
0	0
11.4857680516	38.7372255906
0.4862866349	0
0	3.1834664681
7.7471292842	7.0100013732
1429.703312964	1159.6403677898
0	1.706766056
333.1998424964	362.1325108856
7.1881944144	7.4798855805
2.8317150649	6.0854187007
12.4321856792	8.0352011219

gene_expression_table

13.5595333715	18.4040456924
1.4369014567	1.73357654
11.7725050358	6.3914211399
18.1242955376	19.4747572534
0	0
0	0
0.6119306247	0.3691375529
16.7406768619	12.118260944
17.2506369078	25.2149653761
7.753795168	7.016033008
0.6222569159	1.9706753125
1.4181627049	4.4912931621
1.7414726555	6.303096416
12.2194789847	19.3494238073
123.1906504692	168.0116111244
81.7936816819	73.2153150153
0	0
141.8400597208	120.7945294093
96.4060677111	139.902258158
2.7391453877	7.4355592472
3.7712240959	2.4374269231
11.4611609645	24.1981796553
0.7050721455	0
14.1639588134	11.7482557946
2.6436053466	2.3920702017
1.2792685583	0
0	0
7.0597054392	2.1293282973
13.6026807142	16.0544422587
0	0
0	0
20.2674879774	17.7659706001
0	1.5379584626
2.8289560452	0.511957011
1.1581862226	1.7466441897
17.1194577973	8.8517523821
1.3965787219	6.9503297538
2.5194366962	0
79.2772216513	63.4570982648
0	1.3379786605
7.980496609	9.2843538965
0	0
0.5409134285	0.4894463146
6.7312839251	4.3989199222
1.2907215191	1.8686580362
0.9478459894	0.490091339
1.5248692505	1.4783359212
1.7168374538	1.7561111104
2.7159452546	3.0357687389

gene_expression_table

0	0.6022117001
4.0627357431	3.851228267
0	3.5930694545
62.8052326061	53.9008725445
0.2593557534	0.2346784365
7.234647473	4.5320410036
0	0
7.1284274216	8.6616542777
0	0
0.4973092204	0.6749864737
13.2336785671	9.8691046104
157.1190520523	142.1694062715
3.2424152248	4.4008563065
0	0
4.0370940531	6.3926984023
28.2274397248	22.3489354543
0	0
15.9759736192	50.5955916252
3.6233587519	1.0928671725
65.5859268907	77.9969728223
30.4769631437	29.4789958038
25.3797709785	23.9633981728
18.0811013156	11.3266462336
7.5148379643	5.099859172
0.0491489349	0
0	0
0	0
0	0
0	0
11.4989655995	13.4877763009
945.5643491735	1090.8840045546
14.1021244034	10.8462788777
25.723300034	29.5423184126
0	0
0	0
0	0
0	0
3.3671954553	6.0936235603
0	0
43.6100709968	34.5956270831
137.0589341122	122.8021163915
6.6251524304	10.9904280936
104.7904711606	60.1741118274
2.1682356825	3.1881382962
5.0462179631	3.9137809506
0	0
0	0
0	8.8159168236
0.4226797007	0.3824623513

gene_expression_table

2.6315261061	3.1748537109
0	0.7107696481
6.7495786308	3.8171038696
1.4007352062	0
0	0
0	2.6194117943
14.4417888753	14.8100305224
125.799936974	121.2539712698
44.1587709072	35.1622735779
48.2729689981	33.9732301097
1.4983217536	2.7115173027
38.6034118155	42.2841129644
0	0
1.664771555	3.0127419999
0	0.6965197554
5.9470344733	6.2780467462
42.8810230973	39.561760153
12.6737820602	9.1743123303
2.1146077425	2.4957468763
5.6087871577	1.4500340978
270.217928663	236.7695255929
1056.6808975975	1048.1964432838
1.9314579686	1.5888023592
7.4124578921	5.6481460798
0	0
31.2747620755	22.7772556925
0.2238219542	0.3375427097
0.4854775865	0
5.462395323	5.841321288
0	0
3.4395244125	3.2953327876
0	0
7.7114470971	13.9554285871
0	1.8824804568
4.1136994693	5.2112018554
28.4656829876	31.8177365314
21.0691366601	17.3313085638
2.5451918756	0.9212082509
15.3333204407	8.3976496266
0.5103334086	0.8927668143
85.0770399214	68.6917068013
0.6203189978	0.8419448418
31.436562406	24.4946671501
506.1578894567	562.7415854822
12.8001677799	15.4430009573
1.1717980811	0
8.2371533706	1.8633500979
0.4848322835	0
0	0

gene_expression_table

0	0
210.6718440813	280.3334253261
2.4171732783	2.9825220141
0	0
32.674214644	24.0218154893
0	0.097517602
9.0740702213	7.8948902304
0	0
2.1014962346	1.7113877741
13.4698180407	12.1881847454
26.7806807781	23.9747455865
100.2179135048	105.7960482009
0.262864981	0.2378537663
0.6249043262	1.1308912048
6.1319940772	4.0072817027
55.1366271815	48.1818811801
19.8446333147	21.8042555656
2.8502201906	1.8846728085
19.6091214936	9.4631160218
4.8310608084	2.7608794779
8.2396454501	2.1301872438
4.2718900419	3.514023648
1.3683384924	1.0228138698
4.2347304299	3.831802083
1.2291244085	1.9065857763
2.869538455	1.7975811521
2.5914192931	2.2894594267
0	0
1117.9395020222	1080.1501726382
0.552250279	0.7852498979
1.1644100485	0.2107236304
1.6555557324	1.39102976
0	0
8.3502181928	5.5408519927
3.4889016091	2.8699434301
10.137953562	10.1704446702
0.0949082659	0.0858778846
0	0
31.9453885082	34.9278802926
23.3627828787	35.2330809804
1.7720239827	1.9597337437
95.7352881086	76.7260777548
2.9822035121	2.3611448454
28.1770141131	15.297607698
6.0976441918	5.5174623515
12.3959710346	28.8424612186
107.4192223611	77.1869980447
68.1965863161	79.8571294346
0	0

gene_expression_table

9.800206823	26.6031948481
2.4262845745	1.4636181201
0.6365783681	1.4400221911
2.1402092003	2.3922353273
1.6995725615	7.1300816225
0	1.0566540294
0.7566672496	9.5854006953
283.9954356545	234.4321376395
6.5434652328	2.1145943496
1.337566878	1.1002721498
1.0413845511	0.8245110553
9.5191268919	9.724801964
0	0
0	0
0	0
0	0
2.8257266728	1.8048444372
25.9157478857	18.3920805842
2.2798176634	2.2279280897
55.8688144026	35.0367182679
4.8675773257	2.825486303
74.3515299101	51.7516089508
313.6253343111	232.1871929103
11.0105121694	8.174669289
0.2268919182	0.273737983
0.6019249106	2.7232632211
9.7483211143	11.2177345917
2.8178568964	1.0927465603
0	0
0	0
0	0
0.2096905375	0.1897387925
2.8738007693	3.2209040093
4.2076590938	1.9036532723
0	6.8252994408
19.2265757909	14.7612567852
0	6.314024245
2.7225336644	0.6158721517
2.0563134361	1.8606582493
0	0
975.014311586	1013.7312999075
0	0.2724049902
0	0
19.3883041396	6.4976057896
7.1059322025	10.0019317175
2.8327459291	5.1264286742
4.9403395946	12.2932523387
0	0
0	0

gene_expression_table

3.6370340761	2.9445571647
16.339122017	23.9367750146
87.1929818575	74.4428525169
12.3707460639	4.4774751376
7.8365581723	6.0481387001
0	0.7013672339
8.3094776883	16.2908268404
12.8483090167	20.3451699276
71.2703456764	46.0636268086
8.5796341808	12.7035730771
59.2945703147	58.5303049213
3.0937357735	2.0995285374
2.8729069426	3.2494426118
67.0421960149	68.2461338255
100.5641561462	82.1676914071
155.7011548359	115.8207378165
1.9254447915	6.5334058611
11.4571264372	13.2268592311
185.9000795211	159.8013634044
60.4918491733	59.9491046786
12.0309112209	16.3292816769
45.4513751377	35.5527896094
1.2303148639	3.11710622
1.9042101159	1.7230273353
51.5235849153	48.2288192037
0.5820888852	0.5267039874
0.7423832447	1.0076198629
1.0845476417	1.3084727135
0	0
0	4.1606793077
6.413682134	8.7051446253
0	0.7235468291
40.1763951749	50.8951387049
2578.8823086509	2303.347074783
5.3332732696	6.434426925
13.3448194434	10.5656946325
58.5283129399	43.4538916054
0	0
28.0746754689	11.113992556
29.3698904925	49.0622562156
0.5090916608	0.4606523411
5.7701663314	6.6134484661
1.3654710255	3.7066454216
14.320826372	5.1832883562
15.9940786498	13.6899810535
0	0
96.6495693585	102.0290898189
1.256193371	1.7050026402
0	0.1348281736

gene_expression_table

167.5917383561	173.3092936443
1.1704819822	0
7.0657292176	5.7845368961
38.8351254711	35.1400206314
6.6448634366	5.805282959
0	0
3.8208872352	6.9146709144
0	0
0	0
0.7052425516	1.2762795286
0.390567992	0.3534060243
16.7125520135	23.6287146395
20.0412883348	26.3772935931
1148.0268658191	760.1901024061
0.8679262895	2.159697058
0	0
0.9086203634	0.8221664776
3.5944792666	4.2161646495
1.1990156067	0.7890407581
33.6521069118	23.6834567154
29.8779800641	23.172972328
0	0.6519746873
176.3852803628	180.6820544255
16.6680021795	24.1313062179
3.8732953164	3.5047569869
49.7388337764	42.6982440039
4.4172140199	0
2.8519725722	1.4336731075
0	0
0.4041716566	1.7066714949
6.5428713664	4.1935648293
7.4548035268	10.9386323998
0	0
10.4778893382	8.0223284652
12.694365929	6.7004675249
0.0279633199	0
46.0859949705	53.2845863292
5.3248386525	4.818188118
107.2284172801	61.1684339123
1.5501399263	2.932806112
0.2280337893	0.206336711
22.2542692933	24.4518388121
237.6826476199	185.2889185032
0	0
0	0.3973703592
2.0092565631	3.7318458928
1.9055365139	1.7242275285
0.5883799616	0.375809278
0	0

gene_expression_table

3.5186441355	4.7757755131
0.1773091159	0.3208768306
0	0
0.8737346413	0.3953000402
39.119053192	23.1910940665
851.3313467297	896.5029098858
57.0655920379	44.0730535513
0	0
2.5081756761	4.5390529288
6.9964453593	5.3997521629
8040.6534602087	9071.7032224714
1.2101906028	0
13.9851980903	6.3272635722
5.9982298391	5.7564469536
0	0
0	1.0186601422
118.3962252189	57.6859226614
52.605950021	21.9694945667
37.3967064644	48.3406643843
13.6355681381	18.8701331241
101.7829394575	171.49365262
34.8925197657	43.600185384
0	0
10.6750012129	33.8075171405
0	42.340716624
590.7344558616	523.2181941459
257.1458145346	332.9096247918
139.9898946372	172.4120300438
229.0926580342	169.3585211843
34.6952770564	26.3710210511
91.1294456121	48.6294386927
248.7556203693	227.8830008755
0	0
0	0
1.7629359483	1.5951951962
62.1147214616	84.3068961614
7.4344244116	15.1358622917
0	20.7168857487
297.1007939387	305.1607532311
33.9040849909	13.6347383871
48.6822085677	63.8727440536
97.2670527183	56.4606798835
148.3412679191	214.8951477056
2.0948618165	3.0802505634
64.4413951217	92.8198273465
27.5668206501	17.6525908492
9.6622900051	8.7429373797
5.453671231	4.0375329275
6.0115607366	5.9835265709

gene_expression_table

28.3095957463	20.8129833572
14.4304213713	8.1608675548
8.7653781752	8.397916291
18.0368055609	19.0407351717
2.8020084324	0.3169251835
16.7672164781	15.1718405908
0	0
0.5343253096	0.8288315065
0	0
5.985146411	3.2494011411
15.1231489067	16.2499917999
13.7300796497	11.945848891
2.4447147969	3.4410503464
0	0
0.5474590686	0
33.4595984583	19.6793785992
179.897543402	98.8310529542
9.647458293	8.417748423
1.1255899637	0.8729929207
2.1469227917	1.5541170068
5.8198568939	3.8032988535
3.2285166126	3.0098531162
2.3931323828	4.5277159566
1.0603019596	1.0964751931
181.6258921819	149.266983656
69.4678740352	89.7972977226
1.5692959071	0.2839959438
0.0456283423	0.013762291
30.8688219579	29.5747402589
1.102125355	0.997259755
0	0
0	0.074980181
9.2591970422	7.9372403213
0.1146999097	0.4151455305
17.0208141817	20.8125795235
1.7598054206	2.9193313116
3.0191978406	2.9270631692
25.8800586119	16.8775562182
7.0304291653	5.5904040047
5.0966007725	7.1737038104
0	0
56.6954751104	38.4040888635
0.8563748258	0
10.850046782	7.3632606399
0	0
71.5198917046	56.0862290077
4.6085388424	5.7338093685
34.2191859378	33.6325292841
0	0.5671622393

gene_expression_table

85.5992205076	82.8168213118
1.5082969346	1.9106985921
1.1987066432	1.6269772144
0.5516324572	0.3119659022
8.7102223263	5.5170202742
3.5546492649	4.8246444549
2.9512425729	2.0028271502
28.3109333929	15.6364665551
0.7636089434	0.8883677315
0.5030314359	0.2731012426
6.2285609131	5.2184467964
30.4039718996	14.9743847023
1.9051736434	1.0774369904
0	0
3.1499952303	2.198785759
1.8310049665	2.7613125797
167.1701389953	165.9499866621
2.1651387201	1.7142378472
3.2505794901	4.6654971029
0	0
0	3.0595215396
2.7267253089	3.2897085632
0	0
0.1158796406	1.4679540947
1.671854701	1.1181418833
8.1809810816	4.7899000553
9.2674515611	9.7832784357
1.0883500441	1.1489276687
0	0
0	0
2.0380022221	2.8583384463
1.1754301692	0.615762472
5.4264357897	2.9460710626
5.2548731209	3.346026458
1.2258698607	0
0.7065617196	0.7991667692
0.4323150912	0.4563777735
0	0
0	0
0	33.422368211
1.4072447695	1.8521418296
2.0110625795	1.6377416503
13.9628327623	11.9693272209
0.4229043152	0.063777599
0	0
1.5768963111	0.5548888161
0.8229487229	0
0.7443147591	0.6734943089
54.7424684956	49.5338034579

gene_expression_table

0	0
2.4591366775	2.2251534541
5.2438477136	2.5238847593
24.0868433116	11.8881904037
5.6280842118	4.0740642481
24.677790109	22.9500052342
5.5299871674	6.7698701328
0	0
9.3043444249	10.7151542818
0.4401766303	0.1327648247
2.2761045706	1.5446524364
0.0299387641	0.0270901349
0	1.3946582974
2.6248979744	2.3751428084
1.71880284	1.555261288
7.3942765773	5.0552122384
265.075716094	220.7972478331
18.8439211374	10.4505821775
1.717579591	2.1193014945
0.2294088368	0.2075809248
0	0
1.871415965	1.128902333
0.3897042081	0.5641990852
4.3987743872	3.6740653846
38.2582526144	27.1998857233
78.6770571891	61.6361087581
0	0
0.1800341546	0.122178128
0	0.8556230236
0.8352369305	0.5983142512
0	23.8183024236
15.3741389966	0
896.4760183218	795.0187317174
0	0
10.5662411604	10.4300497281
0	0.035460589
0.7419302267	0.3356683306
22.5321514724	16.8424678321
39.0369442348	59.6069493262
22.8600687958	26.8904571103
0	0
9.0757280507	5.9724988575
2.1771873121	1.9700311545
4.5236364113	5.537884647
10.7224184866	5.1364568126
0	0.011040798
5.7811619299	5.0507103953
0.8451798433	0.5098414862
0	0

gene_expression_table

5.4436000817	4.9256495726
1.9707971847	2.3777049905
0	0
0.5290559432	0.3829736412
11.1408965553	9.2634899406
0.3855081714	0.3139448744
0	0
2.3499082154	1.4175452793
9.0541448219	8.1926563126
56.1946805277	42.7865967868
2.2460640782	2.3710801309
0	0
0.2042401416	0.4065753862
0	0
1.4820893321	2.8497752817
0	0
31.5153244938	33.3853907213
20.8734216904	18.0479088213
13.4254041019	27.3329926363
0	0
1.1231368276	0.5543301911
0.6085326833	0.8810107154
0	0.2101868404
4.7609913225	5.025988367
0.4955020515	0.249086535
2.376799484	1.8146113788
5.9042168679	4.6746344329
12.6946198417	13.0711242013
0	0
0	0
87.4357850643	109.2948195607
1.0368516439	0.4690983706
0	0
2.3460456517	1.3267642952
8.0999138738	7.966542424
0.0292309777	0.0528993867
0	0
0	0
0.722555524	0.5884248896
3.179508491	2.2376534082
0	0
0.1957792615	0
48.8241731304	30.2939143934
0.3767606948	0.6818249422
18.2442798405	10.196342196
0	0
0.2806152122	0.0846383631
31.75983394	15.7595114484
3.5003169383	2.0003791267

gene_expression_table

0	0
2.5452584775	1.6313489652
0	0
1.1815167387	0.178182861
23.0801685697	22.7594337623
0	6.6682672206
0.3303940105	0.3843739393
0	0
1.4202015155	1.2850714386
3.7104952516	3.5341548503
0	0
0.2807616116	0.1270237794
40.5888383495	51.2031549706
9.3511026488	6.3460192806
42.287252938	32.8592082299
26.8413403589	27.5257499892
11.1815490416	9.6960727806
1.6160360099	0.292454514
0	0
0	0
1.1159882135	1.6830059717
3.9052617526	0
0	0
0	0
2.4000753262	1.0858558516
83.017978258	67.4797259618
75.2372635007	117.7866958603
0.535081157	0
5.3469550114	3.2254667587
59.143888149	58.5336002682
14.5817254932	9.4244970327
0	0
0.3705129237	0.3352591661
176.8077451327	157.3330683528
2.4819355121	3.3686745199
31.3166041426	66.1193761771
10.1165288502	14.6463297111
27.7694288309	37.6908130282
55.9577777081	111.3936511457
3.4644747288	4.7022526116
10.4694549359	7.8944181327
24.7032971228	17.6192776125
56.6433099688	97.9516735509
41.9254537579	26.6959209689
67.1302256368	75.6420817138
41.0537818258	59.848871011
9.7381619329	6.2199460275
163.8209980057	136.7847298207
332.7208576648	411.9020588748

gene_expression_table

463.5807505604	497.8345767746
3.5024895202	4.1596180692
0	0
12.2459292418	13.4135360338
7.1338049617	0
170.7549039918	171.6753633726
79.8926886942	58.5806519862
273.6458110741	242.8471082457
219.3993670338	187.888635472
14.3070275795	10.1314448084
24.2783225023	32.952413953
60.9925413085	69.7126624072
206.5095859484	218.7864190264
4628.6172462722	4225.3297131264
16.7658299715	20.5536971724
4.5938469483	12.470247585
3.0888235223	0
8.6331703596	5.8588027115
0	1.6154962608
0	0
30.5094564165	31.5503162201
39.8957521559	37.7406270831
387.083168981	271.0100673246
50.2048134744	35.6715721778
6.7620356443	4.3704556703
3.4913841423	3.5540821091
61.4070674007	59.1109315096
40.9306124823	50.9246720784
10.8395675392	0
0.7068826506	1.9188714307
18.5143805249	20.0376203544
4.3385489054	5.2343231785
18.0071863244	10.5430659124
12.6038117552	12.4413574681
21.276059654	28.8775109953
10.9498192976	8.8650169864
1.7010677285	1.1544102346
129.2489996257	132.5446346003
1.2298792808	2.2257161668
24.6453680874	4.4600795417
0	0
4304.4862325879	3802.5771336969
0	1.7483559056
8.7303833425	5.7452365526
234.4279917524	256.7798860018
14.2975088799	15.9226117212
0	0.6438663404
2157.0124861432	2700.2445804334
44.0680127057	39.8750063731

gene_expression_table

396.3575450348	315.3600035649
68.2068155483	67.3276775692
0.7617635831	0.896067774
4.2748484933	3.868102972
63.745784583	15.7310365405
14.771905154	16.1318381635
43.0262855336	46.4374385821
1.7305251937	2.3488024155
1.5317646097	2.0790292037
0	0
1.6440428089	0
3.7238534731	0
1.6416380206	0.7427192936
0.2918128307	0
65.811204526	89.3240484008
1.972095821	1.7844538159
20.5138170885	20.4657482178
320.1580105148	380.7425895889
53.560700366	38.9944082465
0	0
8.3824143741	8.788782886
2.3777799719	32.273065784
8.6502319611	15.6543503281
0.9522604123	6.0315796824
55.1195066638	77.8869347691
147.1824910967	135.3263314239
0	0
76.8221246196	74.1467871011
8.1115963164	12.2329831758
2.4900542566	2.6286508165
0	0
6.6773720402	8.4588419317
86.366948219	99.7076773636
0.6118964061	1.6610261001
0.2244417117	0.6092592427
0	0.278150042
23.0290551776	36.4662805238
2419.2698061315	2276.0817484186
6.4255185979	2.907069996
29.0048524517	26.2450835732
47.8235420435	45.2224460025
0	0
25.7592830292	29.5238786987
0	0
0	0
5.3115114112	6.6084272982
0	0
0	0
0.9834889051	0

gene_expression_table

9.6914635861	7.174910567
17.7830167026	10.1800134009
20.7747726455	16.1546031856
62.586405159	65.2700894393
18.465352223	12.751148305
0	0
0	0
254.417379886	281.8897247692
0	1.3576199134
13.6236845503	15.6147207062
152.0388645803	129.3593021124
5.1016287061	5.1593005353
41.750946146	54.9504076727
7.3784982149	7.5110006315
87.7336588983	125.1337553489
0	0
9.1380811272	5.3634202394
3.084211014	2.361406292
0	0
8.5262617521	13.2257152069
8.3474497316	11.3298033248
2.642647692	0
317.3029105994	223.3093389533
3.7608088433	5.1044601534
14486.3616894974	15453.7476724992
34.1568146972	26.2938823953
0	0
8.0786588636	0
26.2970075349	21.6317146376
0	0.5755443126
0	0
0	0
213.0437094395	148.2071336473
0	4.878727067
17.0444601726	15.4227049572
4.9282015098	2.9728602758
1.8627191133	2.6967746246
0.7616045262	1.148564967
8.388947739	6.2623701936
0	0.2434954341
272.107614273	233.8175605156
88.0166729708	74.9571920134
0	0
28.7289646667	17.3302974023
894.7438997064	831.0345679666
0	3.8711275858
15.1092103763	8.7498184455
0	0
8.9907922745	4.5196287036

gene_expression_table

0	10.7114283516
18.4159771635	26.3842298752
7.2551257622	19.6944337792
1.3620293043	8.9351481483
26.4964081863	17.1252243395
2.4634964808	5.5727460715
1.9004895021	3.439321465
13.263845605	10.9107366207
0.5515568626	0.9981540832
0	0
14.1888293446	19.9714405108
2.7233557261	2.2468001754
0	6.8015638554
5.2396179542	5.6686778779
0.8057244261	0
0	0
0	0
0.5283190146	0.4780502406
0	1.3163660827
277.5282754191	330.0458860839
2.7250761875	2.4657892124
6.7709568905	13.4787627508
319.723694107	337.5195328834
767.0682227336	931.7824079574
392.9741356151	387.9089748292
0	3.7722224283
0	0
0	10.3992402074
0	0
1.6817541246	1.9021721289
0	0
23.1718034783	16.0336192791
0	0
69.4056441415	67.2876424228
34.9253331125	15.801119621
7.6762844131	15.4353273043
74.38688628	49.9209038922
0	0
1.373699078	0.9943949115
25.7609369158	29.6670459401
50.7404637094	35.4182787133
44062.9508050024	49348.6669359763
2.8221979608	0.6384174981
1.4235591675	1.2881096149
32.0456139394	43.0270958194
1.6998125718	1.0253852772
129.0517873485	110.252397291
53.2652907743	39.8150592736
8.1349639854	7.3609341753

gene_expression_table

19.0558135687	17.7086994545
2.56765505	2.3233464637
11.4004619873	4.5847666065
0	0
0	0
2.907254739	3.2882921798
0	0
0	0.6736317708
3.7809505225	5.7019977728
0.6881778174	0
0	0
3.0898047242	1.3979071838
3.1435057256	4.7406763298
0	0
1.5922795927	1.0805824056
9.953260438	14.1526352087
956.6184266007	918.5933671559
40.2956788172	57.4270270615
0	0
0	0
6.1354322573	9.2527582306
17.2425344586	23.4028991511
60.3362436092	64.8319652168
166.4039191108	123.6831833797
85.4738633254	57.6853892042
5.9309178487	6.7082497172
129.7374545335	81.5230050843
10.1737329309	3.3475335514
27.0520233147	57.1154809045
1.9866636585	1.7976355451
6.136722569	0
15.0801632121	22.7421799196
10.8837294314	6.8179559873
163.743841843	130.7328150852
4.3704616798	12.3032581932
266.805678775	337.775545912
0	0
78.6184243247	75.7275455642
19.902492424	15.2382150973
50.7107905962	31.6101721437
179.6234293646	193.9904334409
0	3.6058273659
6.235807725	8.1502486413
65.7640388934	58.4687803645
0	0
6.2789864347	5.3337001387
79.1255203674	56.0323126575
7.9055100042	6.755906157
0	0.2563363645

gene_expression_table

279.9205603273	249.4195624184
175.7838302138	132.5485486281
17.704808779	12.5035881904
16.404751521	20.1876545492
40.281005267	36.4483270999
5.2575206418	2.3786376583
1.1541123818	1.2531603515
0.945625634	0
33.9438446472	33.7106392187
130.749069284	118.3084884223
0	1.5329581332
24.0503233232	17.9216228262
45.4923854585	23.5222012354
6.1319940772	3.699029264
0	0
0	0
8.3573396875	5.8816731227
0	0
0	0
10.0374479307	10.7853495044
73.020954979	93.7812010829
1.3292388482	2.1048365358
0	0
0	0
5.4600955823	3.0878597192
0	0
0.4734469846	0.1427997344
10.2163324648	7.1899827358
0	0.8602786031
0	0
0	0
1.0724435229	0
0	0
1.2956272008	1.1723501859
1.0064191148	1.3659897334
0	0
0.5574469074	1.5132199721
0	1.521650005
8.3355882162	3.7712346534
68.3796497896	85.3201994613
3.2318214437	0
527.9459574329	584.8631867026
32.2381330032	47.9233294187
12.7902824489	9.9199765385
42.3531092754	33.5328642878
146.7596600141	171.6627277963
25.5918667141	35.3446480666
6.5962930539	5.9686655108
192.8201485605	254.4406610779

gene_expression_table

77.3780325102	57.0497701343
44.0407095102	47.8203612437
0	0
2.4895888978	4.1836009254
120.2159738873	104.5938475943
10.4888985678	14.2363430374
25.3038126987	26.7122243352
0.6803160453	0
208.3369687936	271.6475230917
1857.5018555102	1846.5986089501
70.8074330133	59.012035826
447.2589549003	276.9020018774
2.8407433621	2.5704508262
8.6168711078	4.0902234999
134.1452215084	159.7125023392
23.0326906745	21.8832223783
12.0082781134	14.125420639
120.1017905973	169.281094018
1011.8752162995	1102.8779440407
0	0
2.7756221645	2.5115258144
28.3128485596	37.7542020645
171.8062695209	143.2662816527
0.396135264	1.4337743144
0	0
0.6135948317	1.1104243791
1.7693497341	2.1346649597
0.6570322394	1.7835497762
3.2647254213	1.4770458093
2.5382290586	2.87090039
0	3.870370989
23.4212449888	27.4259093252
0	0
0	0
0	0
7.2804680178	0
36.3911651575	30.3956303377
71.5867327249	87.909418256
12.2188524412	11.2818843625
58.1867293834	55.5221851725
108.8810291623	64.8493711557
2.6517735201	1.0283405081
11.106563575	12.2033169777
45.5394289855	64.8781925095
3.4355595398	4.8357106357
192.1024291187	162.8226371347
0	0
4.1833792073	4.7316710668
4.9784092042	2.7028325521
3.8189703325	6.0473016536

gene_expression_table

0	0
0	0
26.9537371287	20.7307595176
0	0
0	0
12.3479196152	15.4491324618
23.316556909	19.0886856226
4.1073511027	2.7029401532
11.7951259008	7.8886187183
69.8628043157	89.725171379
0	0
0	0
0	0
0	0
0	0
16.8509640896	25.2887351798
10.6322156369	16.8360080349
20.2078364373	19.3606842089
1.2000376631	2.1717117031
367.7808564826	444.3572763245
23.7382250179	29.5784214564
0	3.4406660004
0.9995843354	1.356713043
0	0
26.7824998506	23.7073544416
6.5335709569	9.6740367196
19.4137202711	18.7376356865
7.3911134284	9.1648450487
51.0287535674	37.6926065478
6.2766435396	1.8931433919
0.7410785422	1.3411320266
10.0188747429	8.2885427257
72.8289080254	74.6859243052
0.1089883909	0.4930915321
8.4914782375	6.6590564065
3.9256236962	4.3201294037
22.0061205245	22.4013044853
24.1877617834	21.8863319684
70.4676596822	69.6485597026
0	0
96.2276318845	104.7064924961
48.6173205856	43.9914543264
1.2862609458	2.3277502325
252.9858938673	248.5359161989
31.7843103066	35.4707654785
3.7693914677	3.4107394359
60.2428197481	69.8419681519
409.1676756416	867.1316269067
22.2703641616	14.1059603292

gene_expression_table

0	0
1.9492395334	4.2330534488
37.7238026366	32.7690609826
0	0.3946147196
299.0091304682	274.868640302
0	0
20.2051711991	21.765094044
0.7143060345	1.6158521754
0	0
0	2.6080275471
11.9025805173	7.3689935923
2002.0590050375	1999.2335658345
1.2269832569	0
2.6597498692	6.0166964923
0	0
21.3716059091	22.3915179827
1.4577666891	2.6381246827
1.6232518208	4.896006024
22.6971400962	20.5375407335
1061.0951205634	856.8279850463
49.8379433228	30.0639577418
2.0079903534	1.8169330365
0	0
438.5193156175	679.2589810387
91.1771099057	80.9451058902
12.414534825	14.8279694235
0	231.7645838019
0	0
31.3091371411	17.4980146624
55.9148872295	97.8163586759
4.4063748447	5.8145423952
5.918407394	2.1421118681
0	0
1016.3501455999	955.3135395666
99.8498351201	93.9632415897
0	0
3.572492142	0
2.1798980887	3.1559744075
0.8867629073	0.5349258175
23.7092961841	9.8176538125
0	1.9133788099
1.5531251765	0.9368984063
19.013658744	29.7770836024
40.7134108376	30.9452555319
390.826729491	454.3673668098
15.8859454586	14.6802599565
13.6405565578	17.17242121
2.9733152451	4.5736947735
13.9055936852	15.378607421

gene_expression_table

0	3.7379301907
1.2410469246	0
1.8600277802	10.9398177437
6.0345601935	4.0952855268
278.2456031306	154.9359660834
0	0
2.3211455762	5.1007091486
11.8808425527	11.7907590185
6.9927978599	6.7564226883
0	0
165.4229158361	180.5002928479
1.6724046203	3.0265555808
1.7379461474	9.4354988279
0	0.4615219522
2.7653635155	20.0179460855
13.3618001269	12.0904445765
11.0429156462	9.9921985299
28.5073425317	16.3367769587
0	0
6.5311371096	6.8188950673
0	0.4786742365
0	0
0	0
6.2908916334	6.0271650894
1.0191434694	0.6147823155
0.6632899738	0.6001789123
3.3624531694	3.7186364303
0	0
0	0
1.3389059289	1.8172665105
0	0
0	0
0	0
5.2479318466	2.1916610221
1.3598289339	0.8202954793
989.7777977617	734.1724233156
0	0
50.4341126621	55.2428300186
37.715401233	56.4405372901
18.9884804762	10.9338438362
16.5742300153	14.9972165049
9.5730139334	9.7981762264
0.4472706454	0.2428281024
2.1588732444	3.1965703253
3.1219810074	4.708215208
2.0025034249	2.8003144618
201.737927205	169.953698492
12.1249602251	8.6082414832
5.0414851098	9.123590493

gene_expression_table

21.6976976546	12.4938505773
0	0
1.0626960653	0.824213232
8.2835302277	14.9907291181
0.3380184162	0
1.4727613821	1.5991563737
0.3338074931	0.3020462031
25.7320245287	22.3523139782
2317.9947569131	2097.4409788379
56.625862361	46.8461670201
4.8653348094	4.5002366178
4.3289658514	3.2642259528
25.8127075512	25.9004619124
0.2888662768	0.9148337699
149.9141908227	163.0883879673
9.3822429245	10.9151181838
55.2574224417	51.8984853711
0.536142943	0
3.3238541765	1.50379718
0	3.0987799335
0	0
10.1294267221	7.0825297443
0	1.3523699491
0	0
0	0
51.9561545119	33.9535467087
2.266827579	2.7348563765
199.1265741743	210.6157812339
7.2164498335	3.6276751603
0	5.5330408396
30.6916811102	3.471426622
0	0
2.4353293119	0
885.3925182606	828.538427721
0	0
12.7312896228	9.4253941766
72.3529569869	94.3967013595
3.9464587254	3.5709590055
263.8421757602	277.4860318524
0	0
0	2.1008649655
16.6244784592	13.1623483982
45.5796873094	49.4914168448
5.0034492139	9.0547568199
249.4816741667	100.330605016
0	2.1435030757
0	0
1.2181729905	1.1022656294
4.3853495364	7.936180008

gene_expression_table

8.4650929068	0.8510724241
0	0
5.9664904203	5.3987876677
497.3013969604	498.4437084015
7.4648543913	20.2637535585
7.2263783595	3.269399565
193.5020942672	163.4179453643
2.6551515756	0
25.6065758911	20.5956871191
2.779146876	2.5147151548
0	0
0	1.3333840464
3.3710255541	2.1117305428
0	0
301.6741296715	289.5139351613
63.8805782698	83.0910011485
162.2983043056	156.9838506882
0	0
0.8835765576	1.9987638824
33.7998280244	39.3220598156
0.6520550561	2.3600519217
0	0
0.6515745761	0.8843673261
11.4740372266	8.1575210581
2.0572267604	1.6753362049
0.4825871699	0.8733394267
3.0939544584	2.0996769455
3.4812832039	2.2500316057
0	0
0	0
0.4989418613	0
0	0
0	0
0.5954736796	0.323289143
1.1531819402	0
0.5036090541	0
0.9264117028	1.6765299947
0.3133872736	2.5521204354
6.6282291058	1.1995125789
0.2510203862	0.2271361672
0	0
0	0
0	0
0.4771423215	0
0	0
0	0
0.4354533465	0.3502405365
9.3581001065	3.5282044586
0.5181680544	0

gene_expression_table

12.9250734465	21.2641305361
0	0
23.7855525069	17.2179138485
0	0
196.6315081907	256.2081272026
0	1.3438350411
34.2432205714	26.5585960302
1.6917970672	1.5308250746
0	0
7.1999890978	7.3835768699
181.8863435503	165.3181540313
7.7422307602	6.8463514607
627.1998568478	589.7060150431
0	0
108.2980691619	105.2227088756
112.4280868721	126.5430912688
11.1683535798	5.0528506146
22.5958283722	24.1632993378
26.4087504719	26.7072906116
0	2.4484116178
5.5997151824	10.9783061961
555.0908326337	553.6437691334
0	0
0	0
0	0
1.0383643803	2.8186966287
371.829418865	367.19205955
8.1576219406	5.1943440345
44.5537963772	59.2861300672
25.007062295	22.6276772462
28.4295750346	10.2898171811
5.5286312648	7.5038852463
3510.9223952762	3108.1991213725
30.9379541176	28.8425641815
20.8297146526	24.0832975252
18.3043068367	24.8440186075
21.8577646558	29.6670459401
199.0029434653	180.0681072676
0	0
0	0
179.2959799732	151.1997538655
0	0
35.2547867659	38.0350277643
4.0156648981	2.5954145094
0.9484225246	2.5745445659
2.5874631625	2.9265873295
0	0.5519392718
0	0
191.5746080434	225.7091851585

gene_expression_table

9.1539307479	7.5729808046
7.756543279	7.0185196403
0	0
2.0885705837	1.8898461769
49.6682822391	59.9232247074
12.3819444762	3.7346069147
33.1684155374	35.1365734007
0	0.2415551693
26.0733731254	25.4073401893
1.5801649373	1.7872682213
18.8608650338	11.1997472857
0.575385807	1.0412773943
1.2282227383	1.6670387377
5.9200884186	1.339200187
69.2423134765	78.0905047203
0	0
3.1165348516	2.8200011627
72.1736384295	78.0837670055
0	1.9105405851
0	0
1.0179346897	4.605398536
0	0
46.0487834556	44.289727805
11.6495239133	9.6626648398
6.2342682168	6.2051954825
8.646814248	16.9521790561
2.1756722201	2.6248802949
30.5564862391	14.4256078419
47.7097091446	59.6621875862
31.838642461	0
12.3756928633	21.5964590712
1.9543571554	3.1831253246
11.554193552	11.7616827351
0	0
177.2599495671	120.2954453477
0	0
0	0
1790.2923478417	1745.0899968606
27.4442659915	52.7700922965
13.2336126147	7.620107038
0	3.117610977
86.5878807581	112.6269344203
0.1985339018	0
4.458042291	13.1100649884
2.2180875358	0.9444893093
14.2110953647	14.6959207162
12.9058451196	3.8926243383
28.2410992649	56.4317508265
21.1060806135	29.5148872353

gene_expression_table

1.6056556758	3.874346425
98.6498367549	93.841063311
1.6789479756	1.519198555
0	1.1247091023
1.0978016145	0.9933474121
17.6902793668	8.0035377044
2.2515521463	3.0559804267
0	0
0	0
0	0
1.4587626637	1.3199635504
0	0
0.9543470636	0.8635423498
33.3884858148	35.9968246581
10.0992555891	12.1844351115
1.356499635	2.0457178299
0	13.7806215484
2.4587222628	7.7867246464
54.1174254738	65.2909764755
87.7319725444	112.8094175079
0	0.6729793263
23.4624879763	79.4766606766
5.944317826	2.9338498707
37.3936257006	50.7535161531
0	0
0	0
7.0841155147	3.496403119
0	0
0.9316767502	0.8430290832
3.9805541764	3.6018103247
0	0
0	0
0.9411119079	5.1093989976
0.6237466508	0.564398078
9.2459175588	11.5035004655
6.8677563953	4.8826639055
0.945074356	0
1.2828680126	0
0	0
3.3524949237	4.5502649736
0	0
16.9621492399	16.5288585411
0	0
5.0241246239	5.3037676827
0	0
2.3699998922	2.4508547455
79.5608610847	51.8756966098
4.0005642741	0
0	0

gene_expression_table

4.070886693	11.0506435073
1.5056042421	0.3405870555
6.7491424335	6.8254387326
4.1141247977	3.3090416877
5.9176872471	8.0319420665
3.6943870122	3.3428715435
1.0784881938	0.4879358174
1.1152773206	0
55.9878644915	72.1271009588
33.4087030926	34.5484735188
1.6203373829	4.1541332421
13.5331211462	8.5718252577
7.7118176438	3.8062088636
0.5461168554	1.4824639291
144.7051883908	142.3225037015
0.6118792983	0.5536598866
2.0306274054	7.3496648258
1.239807776	10.0965770726
0	0
108.9032952214	102.5909502756
7.1547448495	4.3930588361
0	1.0608144189
12.4921779578	16.4084017829
0	0
1134.0822309538	1031.6054839554
1.2589574517	1.1391695093
23.7587915596	16.286498203
0	0
6.54996988	0
0	0
2.9784746163	0
7.9278878472	5.2422176728
0	0
9.2738330893	15.7339529358
0	0
0.629967958	1.7100823113
0	0
3.6490072526	2.4013160735
0	0.5481897903
494.6041880985	479.4117404913
0	0
0	0
0	0
5.7934921151	8.6342939459
0	0
18.3951484727	7.8328834165
4.6461453412	1.0510178683
67.5605694809	88.0487331733
48.8683977281	67.8704735365

gene_expression_table

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15.6788681994	13.6616008568
61.0240979424	47.2822608077
23.9633044391	36.8614933953
1.8844117414	1.705112747
139.1185497759	47.2056094518
1.1935584021	2.1599861655
0	0
3.0556009261	2.3698842945
0.7599780137	2.063001684
0	0
3.7564515725	4.5320410036
16.9007005628	9.5578899137
1.3878374846	0.7534720784
0.7672355392	0.1388468421
3.4282301821	1.7725937959
8.857029343	12.5938938407
119.6298614935	158.0409949762
0	0
0	0
0	0
0	0
15.8705465013	19.8653409561
5.4117425474	1.9587292943
9.7968695183	9.3712668138
4.9994487405	3.7697988131
0	0
123.8353680442	101.8660142234
0.9152536169	1.2422528803
0	0
328.0489422713	392.3519660926
0.8743018541	1.5822266476
125.544444197	141.1874226886
2.8047016355	7.6135152499
23.3761513743	19.1374741301
2.0365798308	1.8428022674
0	0
1.0244388364	0
2602.8206922423	2274.5097721323
9.1868674421	9.5002863674
20.8697724328	22.6608532857
8.7146445513	12.6167343862
0	0
1.4642771887	2.649906753
0	0
2.1615968059	0
0	0

gene_expression_table

0	0
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0	1.1152553701
0	2.93039219
155.0019772275	226.5637790606
0	0
11.3033073229	9.0913905093
1.1978701074	0
6.2761935365	1.8930076632
13679.9206226045	14571.5994008773
15.0359310952	9.4190430846
20.05906489	28.6894596738
0	0
83.9080607287	82.6731622294
14.1582318367	3.2027742463
19.6102928868	0
0.9221956834	3.337800504
4.5845914943	4.8804404515
0.3417755841	1.5462807097
259.0114151706	234.3668615062
0.6673401595	0.6038437288
0	1.8068617592
0	0
0	0
99.6087316734	120.9654343534
37.6306511778	39.971915556
0	3.0780684177
4249.6803790178	4042.454764569
2662.6419897352	2866.7068002746
39.1817809537	45.7166033021
0	0
13.3523528521	16.8095947074
0	1.270384473
2.4824985806	1.8719104222
6.0140387089	19.0463413239
0.8031077177	0.7266932043
37.0129897771	35.5844621115
166.6021309986	146.2724560146
293.3450796267	436.2999747662
18.9809946762	28.6249684375
0	0
1.8150450224	1.9708154026
1.3880751506	0
8.5800575772	16.7217675027
40.7746902303	31.6243188582
22.9295268077	12.4486897156
3.1295705508	7.079491336
3.8645747592	3.4968661778
1.8289698024	1.6549460266

gene_expression_table

96.1757866185	65.7008443071
66.8885176286	118.5265073233
4.127481626	6.1356736016
5.7163606795	7.471327359
0	0
0	0
22.0860700995	9.9923065723
9.5167597833	5.0884683576
0	0
11.8985147231	8.971990515
2.7225336644	0
0	0
0.2843123703	0
0.4035865649	0
2.9576440113	1.3381142756
1.2053316845	1.0906461546
871.5979061422	899.746462694
6.0665521446	2.7446643333
38.7112275167	49.7765056515
0	0
0	0
2.7056203816	0
0.9352001736	0
6.4804379087	9.3821340985
21.6589273643	20.509652522
0	0
0	0
0	8.7313726477
39.1099182064	47.8057434696
11.644100485	42.1447260762
1002.9828992493	1258.4701064243
13.1222414691	20.3548792651
1.9562963137	3.5403152168
19.3373862263	22.496737478
22.708261335	23.349549776
2.3656995851	0
23.9328405294	21.6556660953
37.4508376449	32.1038959714
4.891683637	3.319685372
0	0
0	2.1543465149
13.4063555717	14.9850572569
0	0
1.7481497613	1.581815893
1.8447411693	0.8346083856
1.5357147421	0.6947968761
0.9659731136	3.4962487933
0.822160369	0
1.0861354804	1.47418694

gene_expression_table

22.7073312784	21.9886402917
1.8644647181	2.8117727559
7.6098219207	7.344809176
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0	0
0	0.4529553092
0	0
4.2902059868	2.5317386235
1.8100685947	2.8662256716
1.2018664614	1.0875106424
3.0526326829	2.0716343932
0	0.6133541834
4.1273148254	3.7346069147
1.2234165448	0
0	0
1.8922078577	1.3697336595
0	0
0	0
0	0
0	0
1.3026255888	0.5893413438
3.3300497355	3.5154004909
0	0
0	0
0	0.4283528697
90.0786840969	108.2715955085
0	0
32.7498494001	21.4021524833
129.0041781793	142.3531964994
30.3152536465	28.9547354754
51.8837129767	35.6150067141
7.2869323624	3.6631063938
10.6626488973	16.0801893342
0	3.0104519862
40.3355167832	41.2582152205
162.7576180944	128.8625371961
1238.6426259292	1491.2805232164
2.1424460951	1.938595513
5.9486509545	1.7942152002
0	0
0	0
24.12576752	36.6436110458
0	2.4804989325
2.1893844399	2.9716016154
53.3039693916	55.1224861936
0	0
99.1771307928	69.7982236431
1.6568314681	0
0.6948970236	2.515114392

gene_expression_table	
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0	0
1.7269406294	0.7813123894
42.9416524293	41.9033327207
0	2.8726406
4.9011615968	3.4845040281
0.8137459443	0.3681596097
0	1.6126020493
15.591706961	9.8329732901
1.2086867623	1.0936820018
12.5738658527	20.7762698074
22.7736990816	30.1176530496
9.7821373837	6.6385360929
16.287586352	13.1003080559
0	0
0	0
77.6361880306	35.1246096935
123.2166042327	113.7774133115
13.6565898267	14.5378652608
0	0
1.1591830857	1.5733327903
38.3072296665	36.1694121736
0	0
0	4.3412809745
2.9087037296	2.6319448651
628.2686619358	840.9358943444
153.0202723027	149.9990043091
6.7042196015	6.0663230067
10.7332451504	11.3306581785
24.5314130437	27.7466066485
0	0
34.8488644293	31.5330464411
7.003507936	11.0899853718
73.6652760415	19.6047452381
17.6742070354	15.992532336
15.2177918203	6.8849207006
0	0
17.9002220461	26.1644530304
71.607646173	70.1938080833
2.6175202561	0
35.2979578743	42.1600202865
12.7653255402	16.6843786287
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7.7216501232	6.210619126
11.7054067354	11.2536329808
2.1823435656	2.4234915249

gene_expression_table	
0	1.2562408834
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0.9490085799	0.858711815
4.4933963375	4.0658563115
0	0
0	0
1.3231212395	2.9930705186
23.8512785498	11.1390268994
5.4288587564	4.0935923855
9.6212281045	5.8038549722
3.4497299593	4.1619909973
8.6597224942	4.9863944371
0	8.4302908323
0	0
18.8393861076	32.1995986423
14.2631036848	18.8626014005
8.6102436753	6.8171177415
8.1562553735	6.0383452249
1.841249105	1.6660569717
5.6788330639	6.1662005807
5.5586466931	2.5148748344
1.3409979695	2.4268079859
3.7205298757	5.0497904284
0	0
0	0
1.2838840116	0
0	0
5.5886330086	6.7425104409
1.8300480286	4.1398041528
5.7174807293	5.1734708811
3.7038124258	1.3405600572
1.3119375872	1.1871086632
0	0
0	0
1.3857021472	0
0	0
3.3404332228	2.5907965153
1.1954899242	0.8113056175
2.5842931879	0
0.9506781721	0
8.7182897566	21.6940827423
3.4361888619	4.663860849
0	0
1277.7916957422	1376.9430279296
0	0
15.800988184	12.9977704473
0	0
2.341903356	4.23814942

gene_expression_table

4.4658885546	10.1024146337
1.0666026689	0
15.9361296597	5.7679321823
7.7653503394	1.4052977444
168.1581830251	171.1779527632
251.6146966106	250.4413227737
196.6194633816	206.215500034
7.3347588979	4.4245782801
2.1977391908	5.9658826567
359.595483047	397.1556150049
159.7451595739	181.3906115017
0	0
0	1.017090558
74.1093249109	68.6174188775
48.4518319892	52.0620326741
21.5534334051	21.4529216497
8.8287209516	10.1477842152
53.9892610559	52.7604436013
0	0
15.0735717079	25.1803266821
0	0.2840998395
17.7993861086	12.9741173153
0	1.742126609
0	0
0	0
2.2647163928	2.7323092965
169.4414891749	187.6934779515
32.5377871099	25.3096731767
0.8496423193	3.0752004294
11.8228814026	5.0674508035
1.815167606	1.1731836349
1.5260236633	0.2301374609
0.7792446808	0
22.6281507121	21.0518794068
0	0
9.8189261666	9.9299251172
1.4484801682	3.4950917846
2.2638797099	2.3411141699
0	0
509.5995928294	544.169375038
0.6832790665	0.6182660724
510.228910114	427.8998181913
240.0832291984	300.9674518283
0.4340276928	0.1963652994
0	0
34.4453306422	46.751862447
7.8453222733	5.0706081746
1.8396978018	2.8753101983
0	0

gene_expression_table

308.6105858074	172.3011826541
1.9513624012	2.7746606648
61.1193329469	48.3909288393
0	1.2022434608
27.4555034506	33.1242037887
117.7757338372	121.4892832211
4.1487333213	3.7539874723
0.3685265415	0.3334617852
2.1872328004	1.6126169721
0	4.6432654262
0	0.6458191685
38.751813832	30.4508680807
0	0
559.9705323748	381.1797557589
72.3847834183	49.1231086264
18.2985676101	35.8745528352
31.8418996111	35.5650468892
38.7466209908	30.2351752187
8.7590257367	9.7200967776
3.3696148521	2.7102230888
0	0
78.441171547	59.0054829377
45.4623075529	37.8094082028
5.0808113622	3.9286698948
40.8868341771	28.7092935322
345.0604955046	218.3336967067
5.53842512	5.1970614874
6.7918819567	5.74915123
1.278461463	0.8097724199
0	0
76.8078792975	47.7162277359
12.765212725	7.612909681
28.2255780839	19.7354205537
4.7934481832	2.710849167
11.6783663833	9.9455878284
0.4846248609	0.2806486535
0	0
13.5368880198	8.16591541
0	0
0	0
31.6959845925	19.2694814686
0.8286124809	0.6134491857
2.0061680703	2.9044546255
0	0
0	0
0.2923296902	0.2116119615
0	0
8.058294035	5.6088917365
0.8737608042	1.5812475079

gene_expression_table

0	0
0.0212711794	0.0128315054
0.0484150133	0.1314251887
256.9846765019	215.7637598923
0	0
0.1937179073	0
24.2731959049	23.9910498203
3.1899668923	2.8864462532
22.3675876816	19.7574555839
7.7713478136	8.2039014695
0	0
5.4901440857	9.9355299668
1.8962903441	2.0018379712
1.5214353548	1.3766730276
0	0
2.5359312702	3.0595215396
5.4486258642	6.1627464491
12.7289263748	5.3913049405
8.0399694194	7.4249777525
0	0
0.0857814839	0.0776195024
0.0595877391	0.0539180537
50.895550841	51.7085353963
6.7278695507	7.9140395077
0.0473394243	0.042835148
10.3146397368	0
1.3547739955	1.1850069421
1.4511694756	1.9696392645
5.394858601	4.118804245
25.3299616454	19.6455884574
612.0095872541	606.6985221642
310.811241037	291.0486387066
13.9824566114	8.0513023265
1.2416806372	1.1235365582
50.3006330547	54.6175225198
0	0
0	0.0668721625
430.9242264556	415.8349887289
134.2016924128	117.4728408777
39.5972930339	40.1495582555
8.5543140236	13.0364356658
0.8764025734	1.5860283255
10.9152552926	6.9959851165
28.904629715	18.4049459539
0	0.0993852181
30.2916891026	27.409479617
5.5381915297	8.3520679734
19.30951498	19.8657011095
0	0

gene_expression_table

35.4989243497	10.7070847067
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2.9401607929	4.2123139891
38.1609756765	28.8451956196
0.9521671936	0
0	0
0	0
88.0399228225	79.6630541769
0	0
0.6691459323	0.605477685
9.9873556718	13.0240177319
6.8209714389	6.4005574154
26.8058806704	4.331310841
13.7498920878	13.2996522405
4.3240352231	4.1427631663
6.8229860505	6.1737890035
1.6437765484	1.3944127849
23.3056736026	18.2125131969
2.4848944746	2.8105755436
54.3089728167	34.9163674953
0	0
6.6424119771	5.7098764722
3.2480093294	6.2453028311
0.8208754543	0.5777102855
1.6797211499	0.7599490815
21.582925899	0
13.3620825238	18.1360501557
2.4887799922	3.0026350016
40.748963583	46.2533319119
34.8963395063	34.0285095256
5.2773876882	4.1964336135
261.9770155097	223.3321013112
2.6414675399	1.1153967086
14.217557891	16.6384465407
0.3928950083	0.888779071
0	5.5318816021
17.8108540074	11.2813242853
0	0
1.1247731889	1.3570035747
7.9840527021	7.2243818777
6.4478592074	2.5004378252
0.5503086434	0.9958951772
5.2872106931	7.6546246455
4.6786792503	3.7955605362
3.6472865215	4.5378473182
1.9871597268	2.9968073555
2.6123129187	3.6769525366
185.1216956659	171.9745100894
2.796127071	1.8071997924

gene_expression_table

0	0
3.2737252093	5.0781172972
26.1772152644	32.9918994163
0	10.079660579
23.2385446817	19.6708229902
10.0106435245	13.9989522541
7.1338049617	8.6067119391
1290.6925106674	1388.836245087
40.3102715381	35.4521505399
3.0263211622	2.5903511093
150.671854469	106.0388389025
0	0
0.2606779489	0.0786249423
10.5186421521	10.7868500691
0.5250228876	0.4750677352
19.2349396245	21.2724887515
543.0648752297	396.5967564314
0.8659301981	2.3506146555
6.4931964876	5.7354884679
27.8069806292	27.5574910557
1.0150429304	0.7653859121
0.6897394179	2.4964469235
0	0
2.4836130497	3.9658251805
0	0.8423513293
18.8851463858	14.5566596183
2.1135056543	1.4343065342
36.076224974	22.5994329986
1.5558361176	1.7782744529
0	0
1.1565184026	2.354574115
2.4768793664	2.4653287476
0	0.3368502614
0	0
2.1871526515	3.5622869518
0	0
1.1005550206	1.6182381078
2.4323857638	3.8516587381
0.3730454925	0.3375507648
17.4541797094	12.3386252228
0.9426807115	0.8529860339
0	27.2363242274
9.4556434917	4.9679726963
4.5829043503	2.7645651794
0.8387621499	1.7076491325
0.5393886303	0.6100832483
381.1404887081	310.3879806432
2.1320519505	0.7716761424
0	0.4955829965

gene_expression_table

2.573928782	3.2606325631
51.0141884886	50.4294211325
0.1885446698	0.0853024614
0	0
4.1116127681	11.1611966549
0	0.7807348203
0	2.813090868
0	0
5.4562669812	2.8212064202
18.5925205034	14.274459083
0.3344157582	1.0590880743
14.4814470548	16.7889346519
0	0
280.5535683839	250.9810871764
0	0
29.3530608769	33.0207400573
5.270231659	5.0014001627
62.7259583308	62.4334436272
0	0
13.2424781114	17.6884167673
21.5916368876	8.8805566012
0	2.826340279
9.4781666789	2.8587777054
140.4681869495	150.4482671607
0	0
0	0
0	0
14.222518098	12.8692665037
6.6590862199	3.0127419999
25.1603757792	24.1056033658
0.929954612	2.5244124119
4.062008605	1.8377572424
26.8508082038	54.6659852727
0	0
60.5326823417	50.2086630899
2.1229622274	10.5653102857
0	0
6.5592947285	7.9135833618
8.4203483679	9.7960688425
28.5930060904	284.5966616349
1.5173872658	2.7460202165
7.5523110158	5.4669758203
0	0
0	0
45.9175520064	38.8965286934
0.7115886511	2.8974691879
0	5.5330408396
0.2303760042	0.2084560676
41.504052459	50.0733375435

gene_expression_table

0	0.089740946
2.651541483	2.3992512265
0	0.5961311571
0.4419689474	0
1.9345268107	2.9822642335
0.7613991759	0.6889531687
35.6732166136	22.1267083247
8.8126665166	7.1019811836
38.266302062	24.5040725656
7.6675832952	15.1004053235
0	0
21.9914389022	12.0698767335
2.2014421588	1.825980006
6.0026569192	3.2589077866
30.8316947048	34.6841298986
12.3414463777	13.4006111758
16.3340296935	20.843407664
1.4053031352	2.7248370368
5.8239869235	3.9523823761
179.953275902	194.1446388729
0	2.1417643484
15.8753753328	16.6703276601
0.1377759323	0
0.6572690291	0
0	0.1593596978
18.6861184049	12.3228976071
16.6145745892	21.715376731
4.7836255435	12.9854119115
2.6542308062	2.4016846646
0.6800425506	1.1537578241
0	0
0.945870853	1.5894777566
0	0.0252414534
3.1335287238	2.8353780931
0	0
32.8522694946	29.726424566
25.4730393788	8.1350531642
35.6025640696	26.4623482677
21.6042318476	20.6346555959
0	0.2711350238
0.8701477819	0.5249030036
16.1010106434	19.9365581418
0	9.2709518563
0	0
0.1490317358	0.4045547588
33.9612186251	44.17417206
179.7726805092	178.8607277395
0	0
1.6173949696	1.4635022267

gene_expression_table

4.5441669811	4.3402293258
4.9431491871	5.7507632249
18.5768580561	10.2723484386
14.2001012803	17.2967073638
26.3174320446	22.7057687725
53.4319225402	27.4919738516
1.2089872313	3.2818616449
0	1.2420580904
1352.2492694985	1198.5406161312
36.0916707675	14.9680673961
0.1290687265	0
1.9822501959	1.0180130367
0.4143490261	0.3749243282
30.3205601086	31.8607009426
12.6284401971	0
0.1873739232	0
3.3781101893	5.0944799889
0.0212005631	0
1.4427666506	1.4505439271
50.8049683393	42.9062205851
418.2830029999	309.8469994133
2.2567179873	0.3403324339
6.3916725647	5.7835143589
3.538270379	3.4302955473
113.5996869562	118.3064436675
0	0.2266059397
3286.7712869101	2566.0160923555
6.2571278687	4.954049968
8.7524862279	9.1381154865
0	0.2444693797
3.5055401028	0
0	3.8366275627
43.7647031353	56.9257996245
23.8503562136	46.0395307528
5.4490215441	5.4783946566
36.5630366845	27.3580204368
0	0
2.6652933154	3.507919407
191.0318547659	204.630355866
57.6248290507	37.2442226162
29.5203021546	24.1675376649
97.7928205708	88.4879781068
2.0664340922	1.8698159399
15.4428461919	10.0919593534
0	0
303.9595397447	360.3949330801
3.2574364608	1.4737480959
0	0
6.3222982143	6.537989572

gene_expression_table

7.3858752191	7.6855881137
43.0168541793	43.6706767147
0	0.3434043139
7.1240517128	12.8924174252
28.0218781839	36.6248102355
0.5083466746	0
59.953275817	30.9993200901
368.8400043456	425.0531325669
0.6582104735	0.2977913595
16.4302453916	7.4334659028
42.6869237365	62.2018236559
26.0218477221	29.67429418
10.4177493094	8.0798707258
0	0
13.1126943449	9.8875340349
10.6554082198	14.4623427943
1.4591030643	3.0806336457
113.3166865637	96.7309162028
4.2573848578	6.420501626
0.1875810994	0.5091991043
5.6848072892	7.7158594058
4.7379932317	0
21.9139946844	30.3762032443
10.9897075926	6.6293687626
19.9220531267	21.8893204464
0	0
0	0
3.770040803	0
0	1.0440360177
0.6831893028	0.4464668358
2.1996167508	0
81.597650282	296.2354290591
0.7604533466	0
0.6397745191	0.5789009184
1.068751266	2.9011834839
0	3.0569239217
0	0
0.2856846498	0
26.5845017368	25.1484359116
3.8639318116	3.76522936
0	0
0.6802979188	0.6155685764
6.7146880575	3.4718830883
0.065127936	0
7.2283311708	4.162178449
266.3419967052	218.5538753486
5.0559991683	3.8710931886
3.2636693085	2.8168374091
0	0

gene_expression_table

1.567138336	0
4.7270923239	3.0552260499
1.0717738858	5.8187770998
12.2104796362	18.1198196698
203.7064619759	178.2806800545
0	0
5.5459104266	2.7879029107
0.0723856812	0.0327491453
0	0
550.0655559204	483.5473561959
1.4322935167	1.9440193555
20.4728335781	19.1985054667
10.161976603	8.6203870647
0.1779600891	0.1610274495
0	0.127296912
0	3.7031796475
57.3728843194	32.5971245515
0.7341279012	1.1956980879
3.4591812742	3.825610903
1.8918643553	0
294.4899797088	266.4696930208
5.4788050724	11.4403958318
25.5178340735	25.2277989039
13.4043796029	12.1289726783
21.4894285593	25.1637826853
16.5782157861	10.5561347287
35.5517352255	22.3490173458
78.7119172446	67.0105056295
16.9986335186	23.6634440641
1.3891588822	2.5139649319
1.3600507639	1.2306439422
365.8690541291	361.9274351509
23.9277621344	22.7906009495
0	0
10.6777355882	15.4588237042
0	0
0	0.4025686236
6.0606516065	4.5476986563
2.1756722201	1.8172248196
3.8865364698	3.5167382641
103.1257934475	85.1993067949
0	0
4.2445965708	4.1287841858
2.067385725	2.8060155393
7.9546699603	6.1181256314
0	0
0	0
0.9142900593	0.7169904822
9.3586003257	13.5490293197

gene_expression_table

15.0465060195	12.9036295171
5.2223920923	5.3161753463
4.096495231	1.8533598796
1.3868876338	0
0	0
0	0.721293528
0.3464572667	0.1791384968
59.4027498916	59.7976158817
112.1060342397	104.7115464586
3.2913098176	2.4017310878
1421.067782112	1119.0625901008
36.4689284747	21.7493170401
0.3651805348	0
0.2095008459	0.1895671498
0	0
0.017449822	0.0157894972
10.2532456867	15.1816328196
0	0.3395009886
0	0
0.718209058	1.2997450534
4.0264219766	3.6433138715
3.092686516	6.7162127065
0	0.3298891887
0.1393497474	0.3782724743
152.2118000554	107.4958611164
0	3.1033933811
0	0
3.0318300484	2.0978603914
9.1435499735	13.7892578268
4.5534765723	2.4938173689
26.1733527741	25.1183300545
15.2910309585	14.5643283616
0	0
6.6293891742	5.3321000747
4.3131215573	3.9027344104
625.0435606018	83.5014370113
0	5.2234847841
0.2129800729	0
56.7162589422	45.5372790348
50.9846739041	49.1887599542
2733.9540454207	2566.3472071738
24.0396395569	30.8157630835
10.3674197572	8.3027020798
2.4774050869	1.5411575103
15.8587585954	13.2459887392
7.7517881642	8.0933272703
0.9188851183	0.8314545562
52.2826413251	63.7210135484
23.6806362833	28.990091197

gene_expression_table

6.9050505318	6.106044144
12.984329197	7.8325929655
0	0.0617806038
0	0
57.031828728	44.0630163338
588.8259604741	721.6539153884
59.3945364886	56.4575388013
763.4075727618	710.7616006894
16.4315671071	13.452115594
2.4269572344	0
1.8239252316	2.1715545253
4.8663941322	5.5042048961
0	0
20.9367944641	18.073669187
0.9464435255	1.7127816434
0	0.5665780629
3.0380763593	1.099603152
16.2597539773	14.7126623976
12.8358280713	9.549714788
1.0372201975	3.2848557958
5.5938707152	5.6240246415
2.8780309351	1.3020952709
3.9094823751	2.8300007203
11.0113644587	7.970919513
51.1294729024	45.3998205729
0	0
48.8930233114	45.5294949569
8.6348734905	0
23.1187895398	22.8208045693
7.7922055469	4.598340454
0	0
0.5138429917	0
0	0
23.0660277114	25.54938579
4.00507467	2.7179982972
20.1609643891	14.0077709141
0.2463382098	0.4457989859
30.0435908717	30.2055417404
0	0.6273145851
10.6345405501	13.4717516095
0	0
0	0
7.4616729838	6.7517058183
0.6135432257	0.5551654938
7.619006021	6.4344642593
4.0393294318	4.5687415017
93.1563441966	132.4598873915
2.8596742273	3.0580496198
0.5778469606	0.5228656756

gene_expression_table

55.8872220551	50.5696354067
71.4906879922	50.3132424682
14.9513829968	13.5287809838
4.9415945496	2.5550909289
22.5852289594	17.5168095224
1.6469192807	0
11.8425794706	0
0.5425628615	0
3.2895559623	4.5640580077
23.4486064411	1.5155361547
1.0974093951	0.9929925117
32.0365345757	20.5723459239
2.319932884	3.9359900551
1.7450482896	1.3158412682
4.1493560377	3.7545509382
10.7279837557	43.6825437464
72.8225307129	53.1772706125
15.3418064224	8.982506951
0	0
9.2276864627	10.805475641
44.7547788581	29.2474200347
0	0.9729409274
5.0839981559	11.9606844215
1.0989799569	0
1.8660431082	2.6533443547
1.4573480574	0.8241772136
7.3374121636	6.6392682316
3.6236212245	2.4591292621
7.22995932	7.6323792619
0	0
4.3503064905	3.9363812521
130.712976136	67.5861882766
0	0
5.3847787074	2.4362124826
5.9967356793	5.8137376446
10.5495718783	0
0	0
16.4311265116	17.3456839364
195.57718375	123.8778124712
2.8020084324	0
356.3765976489	528.8473406718
8.6297661126	5.2057710739
12.1986673121	6.5410264483
1.1428542187	1.0341133275
7.4284713112	4.7662702945
31.3952232325	23.6733450867
1.6424080196	3.4676490846
2.9454632995	3.7312895427
0	0

gene_expression_table

2.4175738041	3.2813178401
35.5963596407	44.2879505572
0.8023569021	0.2420046092
0.6082739059	0
0.6358570486	0.5753561894
0	0
0.2565916517	0
50.879230318	61.9133696838
0	0
0	0
0	3.9502799053
436.5421720878	364.1459986713
0	0
6.4384133828	7.4903243879
6.0264592762	5.4530505755
1.4882752031	3.142225369
9168.4269219098	8733.5219086813
0	0
329.2416186649	308.8331070161
3.0498159115	2.6807838475
0	0
2.2896242156	0
0.6951240461	0.9884034595
30.3246780219	25.3286120209
3.2395611671	2.931321706
71.4783988261	56.1671591092
110.2846727689	134.6498360001
2.2567262983	3.5005750689
0	3.528958953
0.2419056904	0.4377774425
0	0
0	0.0539376594
0	0
0	0.9780405196
1.508713462	1.2045543565
0	0
0	0.0616550944
3.717448986	0
13.0491685841	10.167620649
46.1281354718	36.8286277944
1.4185763644	0.6418004591
17.673136585	15.5917746439
0	0
0	0
0	0.2480522236
19.1980122681	16.2002475206
0.0207879409	0.0376199981
9.4348537945	9.5128146902
1.8841683874	5.9671239171

gene_expression_table

27.2006131309	19.0548502911
351.8307661107	274.4436105803
0.8521168258	0.7710391682
1.0721676887	1.108745733
1.0870661184	1.7213584194
13.9919040113	11.078020631
34.9978324201	20.7058956119
11.8195543647	23.5288706865
23.47671212	26.8788190427
0	0
3.7988347269	4.0102780812
2.7497282148	6.9666677801
2.91663002	2.5002160869
8.6963901017	5.6206724469
0	0
594.1435732547	437.893392374
4.110123563	2.922111795
1.1853483649	0.8044231638
0	0
14.531930187	3.2873096223
3.2350460993	20.4906536815
0.8342658266	0.7548866651
63.7145958311	60.8257642623
0	0
0	0
0.5144046084	0
131.7866535956	134.6341027149
0	0.5480441464
0	0
9.6021967868	3.475424777
0	0.6608186727
0.836849804	0.3786123905
3.6843580575	5.834144451
0.0681641442	0.123356853
7.7952223906	2.3511728305
5.0463675663	3.6529705156
0.6254043426	0
0	18.9341490762
1.5565052816	0.8450436616
6.8844368381	5.4507187344
1.3333995529	14.478342654
5.7048124761	7.7430119902
18.9568806909	20.2026124184
4.6141865616	3.3923122384
0.3575527196	0.4313761418
50.8652902573	31.0404757465
2.1197236536	3.260659633
0.5718451794	0.5174349551
0	0

gene_expression_table

54.5277124155	56.3879784019
0	0
0	0
0.1067812633	0.386484735
41.3265914111	33.120778436
39.2693069981	34.4395707218
0.0265095443	0.0239872003
0	0
0.0224543265	0.040635661
7.1939352324	3.4260225887
4.4920129026	3.7936308745
1.1096788795	13.0532294466
16.7503170513	16.600029988
0	0
0	0
21.7837922278	16.425913805
0	0
1.6593496313	2.2749469155
5.307019463	1.9208257593
0	0
15.5749698147	11.4969491458
30.1729016104	39.6319276151
32.2335081312	25.1892823282
142.876362733	119.2266298676
4.0681624771	8.8345987798
202.1875317809	161.2437916746
5.9715224358	4.9121280858
82.92472591	69.3715749839
75.9525654759	77.8027823005
3.7519435731	5.6582528045
0	0.6863444473
143.3027379983	120.6533624215
6.6386843601	6.0070233468
0	0
83.1174895193	91.9220904964
0	0
12.1907054299	19.0531616729
32.9829622158	32.2645211544
28.4579942124	37.0159960011
545.7801028154	481.267768128
59.2427442348	55.4543633857
2.567090333	3.650170038
0	0
275.5204068416	266.3031183853
29.8557997035	19.9058369636
0	0
6.4340699665	5.8218777105
51.7830543853	55.1052642915
0.8036164197	2.1814605122

gene_expression_table

4.1214852847	4.9724427282
7.7700783165	8.526674677
0	0
0	0
0	0.4913529723
3.0020695283	3.6219027279
2.3040975815	3.4747768319
7.4564069033	17.8312006791
0.6765180052	1.1018669689
0	0
0	0.85804208
231.2444230237	193.6784136998
2.3866091813	0.8638107368
0	0
2.5450734808	4.605826995
627.8083239109	737.0868295188
11.9470113883	4.9893557987
32.0356146571	28.5957506191
43.1415398568	41.5152057967
13.0526430257	9.2798383205
133.5605019331	169.9164330203
406.6169420568	381.2411225391
0	0
32.3255304767	29.2498039878
60.5396593682	57.6625265052
1.2323030976	1.858418796
0	2.9967846799
4.0758146683	4.917342562
2.125591187	1.9233443245
4.6656192487	6.0309892386
0	0
1000.0555611884	990.526863306
5.731223645	7.0380155282
4.6845586475	4.5920656275
1.9440881975	1.1727407176
62.2919023508	59.2929676136
597.7122447096	673.8344484184
306.3020395195	301.7161435367
0.1226209851	0
0.1934494986	0
2.6244379184	1.4613701699
0.8315555503	1.1286514015
1.0529197231	0.9527359663
25.6785589811	15.4901880095
1.4678126668	1.3281524591
0.9020566718	1.340944869
5.5698432841	3.4483395773
48.5227029019	39.0274127783
2.5042679835	1.0458418075

gene_expression_table

43.7654605198	35.3364924876
2.3352633044	1.2074665426
0	4.5558481208
5.3585742017	0
26.4179191533	21.8356524038
13.6832327552	11.030606816
0	0
0	0
36.6161664917	20.5956871191
90.9037875872	67.5661360029
1.4622959567	2.2052677597
86.1067858231	80.0196321003
0	0
10.1148144484	19.3217434466
12.0265119413	6.3002251573
75.5256460271	72.0335189513
170.9221759724	139.5121499147
1.5862206901	1.4352941339
0.5838708969	0.6603955541
1.8494765213	2.0918769519
5.8965611913	8.0032681524
33.1843621859	50.0448652136
0	7.3918451531
24.0437662503	12.9176472048
12.6795094272	7.3427666108
0.4904056303	0
16.2926386463	16.848477873
57.1163641452	57.4242516022
310.3688377464	266.0567695246
0	2.4671716396
7.7730729397	7.0334765282
1.1774246788	0.9588550134
3.0317528424	2.9718932062
22.8584770075	24.130781122
4.265890914	1.9299988466
29.8880899461	29.1571168809
20.8033145072	24.2619282546
0	0
2.8759744221	3.6866337457
3.2994477365	3.7092701948
0.5846195543	0.2644969335
1.5386298875	2.0883472887
3.9108446858	2.3591557261
125.6369552973	108.0549239119
16.361352115	21.8850514419
0.3086101228	0.1861642169
8.5089762292	7.0577463976
0.6864980812	0.7764735032
6.1043074767	3.7974004988

gene_expression_table

26.2600034337	14.2568417315
0.6331116471	1.3367013539
0	0.0822098641
0	0
15.0929551741	10.925506222
31.5684981931	37.5423114734
1.3362490452	0.8060712812
0.4192003306	0.7586280764
0.7788841505	0
4.036209899	3.1956491765
0	0
1.4085635645	1.1329251745
6.5651977986	1.9801763077
0	0
4.4814921583	2.0275423987
10.4156834433	9.0755855617
1.329996163	3.6103469763
0.0825841427	0
4.1006730177	1.3605166797
2.1676719396	3.9228423113
0.2472394297	0.4793892066
0	0
1.016776011	0.3066770917
0.2669726973	0.2415706394
1.610826156	1.0931688195
4.0036518175	3.169871477
72.0415832051	75.5575813726
909.3300484705	1033.1229525264
48.9285637661	31.3393734855
0.610462674	0
0	0
59.5903466439	60.6604648043
7.8922058643	7.9347490344
0	1.4516551087
7.0336130039	4.2429167422
36.2363145146	28.3173259679
8.7352539487	1.9760268588
4.0400005283	0.7311200888
3.1538632064	2.7240606079
5.8220502425	9.6581663925
0	0
14.9060665179	13.4877763009
5.2846572561	11.9545748053
101.6020745665	64.354351047
3.3664185297	3.0461087779
13.4408640329	12.1619856687
0	0
8.9263125774	10.7693161565
25.2672947437	3.2661641374

gene_expression_table

0	0
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15.2973346757	17.0987137234
5.3985265699	5.3733512128
7.2587352775	10.3212643836
0.5503294007	0.2489831855
0	0
1.0366306375	1.172495954
0.9491526341	1.1451228835
306.6467550252	336.9275767862
0	0
2.8802230551	1.0424696339
5.0634903373	4.9341456867
28.0372635489	24.161485072
0	0
0.5183539895	0.1876133492
10.0247752561	2.7212798083
14.5385912946	10.5242126419
9.1884171662	7.794518289
0	0
0	0
0	0
6.4078137427	3.7446189908
0	0
0	0
3.8212721298	3.4576837297
0.3517507403	0.4455950476
7.7524218426	14.0295807049
0	0
0	0
0.1435224127	0
0	0
2.9015580407	1.9562393129
0.7195550469	0.3255452234
1.8792626017	2.186297409
0	0
6.3472487091	4.1023695483
0	0
0.0657254225	0.0396478304
23.4904754044	44.7481923341
22.3888356641	15.7566663433
0	0
29.2928489007	19.2768564257
0	0
16179.0741155216	18448.9581584656
0	0
0	0
2.3715958888	4.2918840843
4.9326445474	3.8256948882

gene_expression_table

9.1212293788	11.7905112471
5.0529797366	4.5721961765
0.1737915095	0
6.8697302023	7.3462828852
0.2061951272	0.0932879827
3.3578959512	2.5319975917
3.291305463	3.7903633199
10.8718762353	7.3780749497
1.5032385862	0
2.1457939749	1.9416248469
0	0
4.9721288585	3.7886636969
0.3020153161	1.0931160192
2.3653959522	2.1403320204
2.4319465342	2.567308815
39.4609392554	45.6498127214
0.2334764149	0.8450459154
0	0
7.4471885564	7.351199523
8.2886639402	7.0454637575
170.4684197745	137.8500789637
0.1178594571	0.1066453038
0	0.0366132856
4.990897802	9.0320424926
0	0
1.1341675909	0.3420844065
0.2559378648	0.1736893162
0	0
5.3881710624	3.8717162545
0.4366646587	0.2963374959
115.4756197021	103.7472333466
0.6572098157	0.6796311683
7.7145433458	5.1887257512
0.9330948637	2.1952118899
0	0
204.5689268699	169.8695576636
6.0789840267	3.4799573037
6.9951896868	3.7402227425
21.2915839588	28.8985817804
57.5374991663	65.4435406664
0.1333235061	0.2412759428
13.1798174415	19.0812436399
4.8361779219	3.7508766294
266.4850759406	482.258828981
331.7300311227	310.9624880884
0	0
5.0344107248	4.2517010468
198.7079922901	154.3524321626
6.5074148439	10.010014683

gene_expression_table

5.4772624712	5.7305010723
0	0
14.5826462658	15.9822189637
0	1.0772611541
0.0106591149	0
2.2924723052	1.3828979671
3.9223096212	2.7040820213
0.9420081615	1.9178493211
0.0657094084	0.0416200787
0	0
3.1467826826	2.5626338615
0.8724806642	5.9209906309
9.9466364557	3.0000762285
0	0
0	0.184408932
2.7480332349	0.6781532538
88.6672799726	85.4068946541
8.3275926066	6.2793620564
0	0
101.1540978258	110.0410058767
7.7315077072	7.6318539994
3.875852759	3.6595524445
0	3.9932956574
3.1851806758	1.6593997977
59.2882211799	68.4194063024
0.2142488043	0.3877266939
0	0
0	17.658365415
0	0
0	0
6.7906356296	8.8754129784
0.5484113682	0.4962308363
2.125978348	4.3283129573
0.3056469657	0.2765651083
1.7642149828	2.1284700433
0.4561616884	0.165103431
7.704829577	6.6812378198
1.0773569783	0.8862255025
0	0
628.4198564606	753.7608884186
15.7749304625	10.7847766717
37.7809876357	33.1009068209
9.6327856121	21.7906007153
4.732729307	19.6991186712
0	0
2.9942911486	2.3707151716
32.3564396402	30.4976793646
0	0
239.8720917959	988.4511318398

gene_expression_table

9.5782425129	4.3334434411
50.2938688235	58.6359280547
65.1606321499	71.4675081519
1.9724513017	0.5949251577
4.0048194634	1.3589125521
42.3145530967	52.3274606707
15.9911266167	17.8087317337
317.4036513571	317.6352858436
6.3648117209	6.9110511417
237.7067999061	207.3383813943
24.6229719331	22.2801325151
91.2472676967	96.326095743
15.1720129769	19.6120262101
4.3264596016	8.9481219645
0	0
40.3812545882	67.4566852545
69.0294185643	47.4706422074
54.8435939123	54.1366984806
139.6529472278	157.4022361844
11.2345411934	16.3375572684
0	1.1875357959
30.1563642164	48.5616647943
9.8634788452	16.9574684575
5.0484629439	22.8405457497
2.7333466799	4.4518910034
16.9910196901	7.0958535036
2.610495242	0
657.5300153309	747.728804039
1.25787205	2.2763747639
0	1.06543745
0	0
14.531930187	18.4089338852
0	0
0.4610686989	1.6687947723
0	0
0	0
0	0
37.8400909056	14.6741409152
0.6608526917	1.4201871432
1.9089822841	2.2588363431
113.3648633081	143.6097095625
121.8672280562	97.4494457746
16.3430668699	17.9013214949
0	0
7.0370054217	12.7348894952
5.0464086354	4.2976473468
0.1526683678	0.2762843961
37.2409876608	27.4472083116
0	0

gene_expression_table

509.8801897866	414.8059869987
5.9441885238	5.3786077637
4.6789666893	4.9393982381
1.3960806293	0.8038835758
0	0
71.7838027441	35.183243289
4.3154786468	4.1651917081
22.8234042304	18.8714642096
38.1348786944	45.4857108064
0	0
15.4576166418	41.9605417349
0	0
0	0
9.6761741402	11.6740006131
39.0456500653	70.6610282428
39.4325889399	62.4411135834
0	7.400131975
1.0290873845	2.7935137185
149.4008270249	81.1113353746
69.4397256318	48.8698297745
0.0397185626	0.0359394
10.3438907535	11.6996060292
5.6072474665	2.5368630752
276.7569350205	324.2668725143
0.6760961303	0.349580904
3.5364693397	2.5599836035
0	0
0.1542051428	0.0279065502
26.9152924282	25.542358788
57.6760999675	60.6140930483
0	1.435918582
3.1529028434	3.7444427919
1.8663568332	1.1821430156
12.1879280821	5.0128476015
3.0491239097	11.0360170895
0	0.0311800859
22.6333177179	18.4719683171
0	0
0	0
0	0
27.7528275419	43.0494634022
7.5794824725	6.4548761488
0	0
49.3880662604	48.4129367457
11.8521997626	10.7244804576
4.6928459015	0
276.065428718	462.1266900702
2.4419528696	2.2096046602
1.8875200243	0.8539626407

gene_expression_table

41.9844357238	37.1454635828
254.0294890763	208.5621219287
3.5611564334	0
16.9607632062	17.9930012256
11.2398896012	12.0195999227
0	1.1137656448
50.407109854	25.3394154383
0	0
0.3011811437	0.6540580863
0	5.5099480148
35.7131263183	30.8120483394
7.092106069	7.0590329146
11.8922223282	7.3019001346
3425.8165400788	3997.9966580432
0	0
1.0781362068	1.4633297082
0	0
50.2453733514	30.448768992
3.1112182339	2.5592640121
9.4620823683	7.7056012835
0.0940832747	0.08513139
192.4738222687	203.5957528425
0	0
3.940568321	3.284132033
10.1195402004	8.2028599677
965.9352642859	827.2050244021
0.2088172021	0.1889485536
947.7451203483	684.4813370512
652.2674725517	518.5415748527
36.7137843678	38.5358055216
3.1139850401	2.817693962
5.2781253171	0
0	0
0.9362670762	0.564788431
0.8267071184	0.7480471569
7.6913602218	8.187692535
1.3046348698	1.4756259857
7.9214313732	8.2704448568
1.487295721	0.9207980254
0	0
0.0345768334	0.125147595
0.3185824754	0.4035777526
0	0
0	0
0	0
16.5467058778	11.8530797384
3.7625060687	8.0857092845
1.24209466	0
0	0

gene_expression_table

4.5111599353	3.7903633199
3.8354057758	5.3634576238
0	0
0	0
136.4791174231	59.7548375529
1.0585289897	2.8734345584
1579.550428759	1604.7815163813
23.217588172	6.2457610372
9.9902577868	38.7415693339
208.8457024078	188.9743422318
0.2926909386	0
0	0
17.536127293	18.5121891233
0.1232414129	0.4460606978
0	0
5.250110798	0
0.4598480178	0
4042.5853144891	3408.5343399091
65.8807755473	68.7834427406
72.9834638405	36.0213791087
323.8137802762	347.2246428116
4.6703130306	0
3.5330683002	2.5118516255
8.6422862262	5.7799892487
0	0
3.1109166979	1.5354095826
0	0
1.7935550525	3.4776448668
0.1757541849	0
0	0
96.8238148105	88.7793207711
17.9789822757	21.8283635214
0	0
80.4022008357	101.1430941225
2.8837613696	2.4086545235
0	0
24.540353063	41.4500327892
0	0
13.7860312137	14.3382881632
0	0
0.2404611084	0.7252719635
195.4025612645	209.5529435453
3.4392612769	3.0047095885
0	0
3.8475891107	2.8484972907
0	0
0	0
0	0
0	0

gene_expression_table

0	0
0	0
1.4033624689	1.6507849831
3.3698998312	2.1483414545
1.0794656635	1.5628097595
3.321962183	2.4593583166
0	0
156.1572726687	114.0027142396
0.5056336132	0
3.7014498896	2.3923302847
2920.9325140635	2431.5692908683
15.5065483884	13.5472913734
146.4424160167	123.233031841
32.19341992	32.7715464999
11.4620466003	7.481045752
119.2897816357	107.9395350715
2710.8757710671	3185.2372559221
11.3129666496	10.7898818536
213.7325368136	101.7874745054
1028.0984432542	968.0267410467
12.468136865	16.9227180815
63.9097261883	72.2860126484
0	0
68.8960235382	40.7612064179
47.7111115361	36.264034573
0	0.4358983522
158.7270778353	149.4305247859
17.9382457054	14.1703118476
58.2892707796	67.2666040771
58.6600496626	73.7203230029
0	0
0	0
10.5713885847	9.6651775779
8.0804485532	7.7990461931
7.8034328732	6.9680405515
0	0
0	0
0	0
4.8775789077	1.9860680149
9.02663925	9.5290624978
10.4991912198	6.9092426761
1.7947275208	4.2223008036
6.1712452025	8.9344965356
1.1252117308	1.3575326617
3.5046215003	6.3423238798
2.1617812094	2.8452231559
16.3771662437	14.0960297402
0	0.1992729878
2.6151743875	1.971953672

gene_expression_table

25.6528490686	25.5332201981
0.4153930533	0.5638035266
8.5779922078	6.2595233198
9.7521198873	4.8132109534
1.3294783418	0.6561711495
0	0
0	0
0	0
1.2971765325	1.0857206934
5.7854269745	6.6626663617
11.5211196587	12.3795712873
0	0
9.4922124675	10.0205495468
0.2484471334	0
5.2635585367	3.3339171003
2.2514363316	1.3581436596
0.7553353649	1.3669326406
1.178404186	1.7060492286
36.7692991627	42.1429558844
3.0114467356	2.3615904224
0.2281122249	0.2064076836
5.3958561941	6.4082135846
65.3074275468	53.0985272454
0	0
8.2933754363	5.4576530986
158.6560193645	115.0759799585
0.2117180863	0.7024358844
13.0344852023	7.413543144
2.1299567584	2.0593009921
21.6034701966	22.3404936112
60.506732774	57.4422101009
0	0
0	0
4.1264976971	4.1072542885
11.9110616296	2.6944354262
26.3041909394	0
0.2865346513	0.2592713023
0.6602672695	0.9559101022
4.0467798987	4.3940817208
4.515306906	4.6835868225
72.4671750385	59.1433999215
374.7173342427	337.0023567508
76.5435856425	61.5649568912
21.2788301907	18.2227069432
0.9681524823	1.2264478846
0	4.6856558805
44.7891263477	30.3956303377
0	0
34.1978770478	33.0538176986

gene_expression_table

4.8565534611	3.5155676568
0	0
16.5168069666	20.6934330109
3.1302899592	2.2254944581
53.1584798914	56.3128144745
0	0
0	0
7.0338955804	11.1381039054
84.8154263035	109.9472586913
2.9334119945	5.972179894
0	0
0	0
31.6523293272	28.6406569335
702.9327115535	709.0889023287
0	0
64.8962067382	89.4802720016
158.8257054522	173.4475377318
0	0
70.312083994	73.9537696802
15.0610582756	7.4334659028
564.9166129582	595.423702583
5.3800982645	4.694325936
0	0
0	0.5479759025
0	0
177.6958412357	206.8001032682
1952.1459203195	1783.7197866186
0	0
3948.7010524593	4814.4237324424
1.3427257416	0
18.3771681814	14.0703604183
111.0072881644	192.5197915275
22.2579068005	28.1961397722
44.6930859481	66.7269979523
0.9495026622	1.7183177721
1087.6403141437	975.2867016582
291.4060313328	201.1112372888
43.102091308	27.300693679
13.0126371192	36.6317899528
14.4126027366	27.712687848
14.713523562	13.8924036761
0	0
0	0
0.3847842792	0.6963452466
237.1811661482	196.9500470878
23.3710508878	19.1801364287
0.3121936472	0.5649777654
471.4766068896	504.182904711
45.0370215554	37.2462829489

gene_expression_table

13.6058979556	16.4150891431
21.8729644958	17.6456871398
39.851448003	24.9643672444
0	0
0	0
0	0
0.9416357812	1.4910709226
2.5682611135	3.8027370456
0	0.8552073229
4.8586739129	4.8848647389
8.29569746	10.3212643836
0.2751647004	0.2489831855
0.6535007573	0
1.8141036157	0.7034975724
0.3163842114	1.1451228835
292.0445285954	303.895461415
0	0
1.4401115275	1.5637044508
7.595235506	5.2865846644
17.3564012446	19.3291880576
0.1555061969	0.2345166864
5.0123876281	7.2567461555
14.8293631205	9.4717913777
0.039316499	0.0711511844
0	0
1.5179671374	2.0074739471
4.903043944	3.8027370456
0	0.8552073229

gene_expression_table

C2_U937_OH_R1_001 (GE) - TPM	LZ1_U937_OH_R1_001 trimmed (GE) - TPM
0	0.2321106905
2.5441829695	2.7255778441
0	0
0	0
10.2971727446	24.6102212833
8.2003134361	4.1341075164
0	0
8.2606098584	11.1053476421
536.0935820579	243.2396849126
12.4686633228	13.5389782973
0	0.6693555263
0.3333320831	1.6804609737
0	0
102.5438106366	76.9702781308
160.7935250847	199.5384053246
1.2062947981	0
107.109578371	126.3355106194
3.4699539818	1.499437059
2.9636572237	2.2411480427
25.868751925	33.5352274193
22.8495416094	17.7221109056
20.855995187	12.6172142766
0	0
21.1784997213	21.772568695
0	0
411.0197183726	404.2323798184
38.868751582	37.4866599818
279.4870161965	294.6591236575
0	0
3.967106714	3.2307335386
17.6215351484	20.5999396049
0	1.0398209708
16.4702282979	19.4035101858
16.5370370645	5.5579899281
4.1064705819	1.8820334824
0	1.9520243712
9.824534533	7.5473411618
0.7351671173	0.3706272851
0.7786564132	3.6638185421
38.9066839238	27.981414278
21.8249019197	29.5390756243
15.6680976684	19.4181724971
0	0
0	0
3.3631104388	0
0	0.070894287
0.2133630683	0
0	0

gene_expression_table

7.3343201786	6.7787967813
3.4608448152	3.4895018771
0.3266795314	0.0823461394
52.9682159273	67.3747476262
0.7361776079	0.7422734279
0	0
0.6362741818	0
15.7727695744	10.6022492531
19.5174409197	40.5880457282
0	0
0.0420831268	0
91.8534816823	84.7079836563
30.9598824991	24.9129620926
0.206522654	0.4164654744
0.2991295237	0.3016064256
79.1963460836	44.9168179594
1.7791297371	2.4345264334
16.0799646704	11.4928393564
26.8253331877	29.6481737618
0.9768805359	0.6715700893
12.7952368063	12.4213898749
0	0.0740966008
741.395392743	719.3030649427
0.363832232	0.366844896
31.9177187565	37.2840349913
2.9569710564	3.8333003903
2.8900492655	3.6760977594
21.9902840147	22.1723716152
0	0
5.5779123403	4.3742996081
51.5468840059	40.0531351386
28.9608767371	21.3389609438
44.2005287872	35.5471095005
1.1049673885	0.4285065088
0.2281105604	0.2830761838
14.1618582037	22.8465977171
2.8364180853	2.5739141987
0	0.0862975202
0.4218827676	0.2126880557
158.6282509382	170.9976323171
1.181863511	2.383299547
1.7741143431	1.2374607574
760.2395443177	705.2503407312
0	0.3961729607
0	0.1714962772
5.6080627432	4.6264087272
0	0.4503565013
8.3441849766	5.7146793163
0.2253452038	0.4544222891

gene_expression_table

4.2545812789	3.8876410095
8.6248572222	9.5881997556
8.2735592142	14.4090253584
30.3473723852	19.5995239229
6.4505687876	5.7745633321
6.9596173924	6.5494292003
18.9085224016	18.520374977
1.6047842888	1.1865864927
0.3058672477	0
1.3592449429	1.7620714138
0.8759539132	1.4606887186
36.6541531026	57.7294880437
14.9443359567	16.4379060309
0	0
12.598785714	10.1624866169
12.4479271457	14.4819236984
0.9977114678	0.6333903343
1.0430842234	0.9791888362
124.753799501	102.7691177826
0.2779188623	0
398.4602411117	572.8794834627
7.089418221	7.4968100377
2.2879868378	1.7860120307
9.384736669	15.4039814106
0.2956226397	0.4967841722
0	1.2968436233
3.9274522997	2.2628417384
13.6381909945	19.1174110206
0.491658181	0.1652430969
37.2422061533	32.412084112
6.4997465711	6.838504541
2.4864995315	2.5070886577
235.6586200796	238.4585667089
14.9307754565	10.7937263057
13.29949514	14.2803743619
8.9907012356	6.3456032729
63.05830084	56.9889532623
0.4899967083	0.6381531613
2.0541824166	0.9205296884
4.1722065734	25.2405238257
2.7829036041	1.9319635526
0.0752226501	0.0758455212
0.1691857565	0.1705866765
0	0
23.0880187709	24.9825518232
0	0
0	0
1.8815833566	1.5177308444
0.6872338352	1.3858487658

gene_expression_table

0.8972087776	0.9046379947
0	0
0.1320560796	0.3994486569
0	2.5044523209
5.1886257777	2.5068033013
0	0.9207486883
0	0
0.1892716986	0
631.4146081911	992.7313831822
2.5495015544	2.2571230482
1.5123396463	1.3554332197
8.1454154202	8.6039511289
0	0
0	1.0080431464
0.9264374192	1.0989513648
12.951417301	14.551078037
12.74930419	16.1433290033
0	0
5.5125072489	7.4864915624
0	0
15.2024750537	9.4328351456
1.1730744823	0.2956969921
0.4426404053	3.5704450386
14.2930059035	17.850431107
0.6556064454	0.8813801423
0.1637788386	0
0.1031651151	0.2080387199
146.7327122717	123.6709181024
1.4582141289	1.0782116955
0.8024480594	1.4563667216
0	0
12.4807097497	17.0254856281
1.2088274347	1.772853772
5.2986154202	5.4707096528
18.6061630341	16.3343372095
52.5381744925	84.2138207194
1.5298645068	3.470697776
90.8877122178	92.8703668256
2.8270868464	2.5654465442
23.4039457446	14.8622275664
71.3460661903	92.7932182053
0	0
0.3780959464	0
0.4872217064	0.5895072966
0.3686662444	1.6727352111
0	0
3.6287679021	1.6261401905
14.2218944254	4.0330285079
0.1656018486	0

gene_expression_table

8.9846216977	10.5688539296
12.7437916585	13.4917806638
4.6125736602	7.9450610747
13.7109563087	18.3254841532
186.6612280224	155.5526657535
0.4132973276	0.520899476
26.5346902451	30.4845889646
0.4810594245	0.610215101
2.8722030053	3.1674845753
3.1105591957	1.809412941
0	0
8.9106476897	7.6064508818
0.8849066428	0.8922339937
0	0
0	0
46.5558522024	62.924449977
1.1254192868	0.6808429023
0	0
7.531255816	11.3904260561
0	0
0	0.0275484883
4.3014982867	3.7046201447
2.1485582725	1.361705162
27.3741351637	38.931659
3.8690136795	2.7864646635
1.0275316343	1.5540599585
0.1026885636	0.1035388625
10.5826646729	12.2594855858
12.3488366141	0
1309.6257457212	1434.1527675792
13.8597426024	11.8006942461
40.3450299502	50.7014889075
168.4514133679	216.2790412428
37.6027530588	56.8711764264
5.3711653127	3.6924821778
37.8190742244	32.6491642497
2.1522901066	2.7126398205
93.7509083487	108.0310859254
65.9762718502	68.273173728
0	0
0	0
0	0
0	0
0.1967248679	0.2975307327
1.0622248723	0.9736549846
0.664279789	1.3395605376
0	0
27.0097654485	27.4252008136
3.1968833682	3.0475353836

gene_expression_table

24.1188215118	25.468137616
61.8074517267	53.8211618612
4.5572811912	4.7763994034
18.4233157617	24.6069933906
0.1694795812	0
2.0755151514	2.0089931295
7.1323426269	6.6954423424
0.0339908675	0.1370892975
7.0187949005	11.5804032403
1.3249164082	0
9.4058675746	10.7482518143
0	0.3813268839
585.8629679903	671.3009403884
1.7992172302	2.1164679753
1.0699953673	1.7980922009
6.381429838	6.4342704128
423.4820669086	495.9969206464
0	0
0	0
3.0942604172	1.6899360974
441.1743586006	741.3790729484
0.160005699	0.3226612094
263.1181887423	314.3433900414
0.3036572476	0
4.2785831407	2.5289032199
1957.7625844999	3325.1646605176
20.3486307521	25.518174048
5.551632678	6.8789810519
3.3086744974	1.1120238444
5.755461965	5.8031192967
13.1353119497	13.2440771405
4.7120856271	7.3906053213
8.6503080999	8.7219358172
15.6247642098	20.9513860203
0	0
1.5929298855	0.803059964
1.0222728368	1.03073763
0.8545035725	0.9399045543
8.4813795242	6.1082917508
3.3752211288	4.8616702788
4.4775216357	2.2572985768
0	0
0	0
13.2618334161	11.6833070778
1.3172751614	1.1621598467
11.8750037994	10.227222089
84.2171390244	16.0394032437
1.8705293027	0.3143363283
3.2567136155	2.1513768114

gene_expression_table

17.6041125819	26.0701378326
15.4567652921	24.6075046835
31.4179309124	40.6576969247
0.4757794547	0
8.0013596822	15.4629265823
4.0873012811	3.3361655114
8.7403048911	4.5925222415
22.5004142739	27.8266872854
897.2211178108	852.7914948161
9.7460137926	3.5275384861
21.4899184401	38.3354496233
1.6287414572	2.307996154
55.9246814828	53.4199815617
9.0213405481	10.2330456186
7.5738556581	6.4910844619
1.9652342593	1.7338187285
21.8809615136	30.6418665053
0	0
1.0133392054	1.3955336925
75.2749561515	72.3125157576
13.3945447745	11.3108198254
4.2090246461	3.0313406506
0.6376270871	0.6429068728
3.2743127386	0.9432643561
111.4177956887	96.3244362923
3.9467659118	4.2389757029
0.0949824321	0
2.1651096159	2.1830375159
0.5022443108	1.012806155
20.1402490358	18.6493019415
6.6480214631	5.0850872176
0	0
0	0
14.6038083884	18.1227486366
0	0
0	0
0.4492895101	0.2265048958
75.106766188	70.0989678496
43.1027124487	59.9973496881
9.1491960207	6.0244602204
7.477897606	9.3188753581
9.8965806672	16.2151079634
83.9776404006	81.1932934254
0	0
5.6576925037	5.7045402685
0	0
60.9031411594	115.2837816089
0.3296770633	0
32.9990735195	37.4663075812

gene_expression_table

260.3000052974	226.3376711372
17.7340197268	5.9602879671
0	0
4.6325214292	2.3354402011
0.6894764029	0.5213891399
4.5765212198	7.690694151
4.105097159	2.6490168742
28.467026605	39.1170139535
0.3475579543	0.3504358614
26.3692502565	34.1840536718
6.2890716235	2.8948716567
0.5630948725	0
0	3.3944279959
2.6355603183	4.2518139558
142.490387827	155.6928763252
0.1418506035	0.1430251784
0.14332483	0.4335348362
2.0742197361	1.5685462761
0.4017055098	0
2.6805927051	2.0541196353
0.181841426	0.1833471396
0.008833	0
32.2608297684	45.4163987222
0	0
36.1547571196	33.4162874302
2.8911413117	2.0278824487
1.6255063459	1.2292246001
258.6857575832	242.4937228232
10.8579519838	10.2659861796
3.199181114	3.6931601285
3.2029623227	0.6458968046
6.1039254579	7.8114404011
23.1372839949	31.5625877075
13.0018330553	27.3114437331
6.9760042059	10.667881579
4.6967519135	2.8875870356
2.8883058064	3.4946664428
1.9213062414	0.8697701618
97.4527605062	73.1235014199
0	0
55.8478274815	61.9710885205
12.7253557935	17.2631591526
18.4936589645	21.5872490852
0.2517113348	0.5075911935
2.7094800336	2.73191552
7.957185095	11.7838892032
68.4830030507	109.968625831
0.8836164934	0.3563732646
26.5359837368	35.4513175983

gene_expression_table

12.0006497549	13.108354488
0.3376677446	0.1459130388
43.7954746803	56.5223900681
29.876758415	22.6514918162
8.1028378567	5.8356659428
0	0
11.8413211859	10.7454344936
2.673746202	5.9309487582
119.0159325323	94.5262645266
0	0
21.4313576008	16.3928957205
36.1771301129	48.6355866558
247.1540508237	333.4373915307
2.4154090554	1.8555501154
3.6652524239	4.1659514081
30.0601339128	27.3306975756
34.8708934726	35.1596372341
46.1029859597	68.0498190645
0	0
33.0118827781	28.7219351436
25.3803805145	41.5846264518
0	0.7678995344
0.2055384229	0.3108605344
19.4226321391	22.3251428522
301.6172256244	320.816679602
1.9574495865	1.6567202068
0.3011005685	0.1517968957
134.2744438902	73.1230739504
0	0
0	0
15.1577413126	13.1991730098
0	0.5497462576
0	0
5.0147799637	4.2363629594
0.8734291674	6.164630364
12.0136634052	16.4113522351
44.1808246724	67.7109202691
64.8755290535	62.3648175622
7.4546207226	4.2325064779
4.302100925	9.3180735529
3.3539028784	4.0580093062
5.5695565068	6.083647346
0.6896209212	0.6953312349
1.2042763169	1.517810207
3.6729044854	9.6286254451
2.7383128572	0.3451233862
1.2897769848	1.5442924623
3.5969994448	1.8133919584
0	0

gene_expression_table

182.8531742242	206.8510782928
12.1151638257	14.3095644138
0	0
2.6517250523	1.539392843
2.1264558686	3.2160955523
0.0326177073	0.0438503918
2.0958046312	1.8945560406
0	0
0.22196866	0
14.5284160593	16.692723638
0.1726106823	0
70.9510214695	67.2584393902
274.4150926468	239.275344552
10.5441210944	11.4707537193
4.7427059895	6.1482565685
0	0
2.2279752622	3.3696355693
1.4452438591	0.6245190031
1.9500914721	2.9493584149
11.2420736852	14.083080272
55.5399846106	68.4442929036
0.0701903604	0
0	0
0	0
0	0
75.8832958326	132.5290860324
19.692672326	26.0606520047
71.1783387307	78.6495577296
0.626190754	0.0901965489
74.4454796014	78.2560394816
0.6811430064	0.2289277066
10.3926735461	8.4877702365
0.3861271614	0.4671893228
2.442324817	9.8501926416
40.7260482497	53.0400633296
728.1773947281	678.5852299269
40.8855330878	32.4942750338
1.0900501839	2.1981523968
0	0
1.7674267327	1.8457067327
3.9696946162	5.6035911968
1.2868258881	0.9514862702
7.7706051737	6.0232638107
2.1562194818	3.8046290946
16.063847849	11.1781162966
37.134184646	42.6131705695
9399.1237823277	8597.0802181227
1.0475111564	0
19.9537171073	27.1605706043

gene_expression_table

0	0
0.8519747072	0
0.2492379149	0.7539050881
1.0991018557	1.363941934
3.268417956	2.6363853224
232.7801089048	338.1102682675
0	0.0305241155
0	0
3.4494621276	3.4780249366
42.0173125504	73.1763085703
0.1561818818	0.1574751249
6.7535311673	13.6189057546
513.7979491766	523.4385621649
25.9905111401	31.0251652276
79.8046969991	91.6043295751
9.8888630241	5.9628973745
18.3891570466	28.7392102966
0.5096163101	0.9249050154
0.5315467507	0.4660418716
1.8156790905	1.490115703
0	0
0.910299616	3.4877814741
6.1723122292	7.3549523671
17.0651554162	11.1609477725
527.00055533	614.7069311811
5.9937048308	5.5784629852
2.0581919875	3.2610828965
0	0
4.1676764903	5.3694603707
3.1369974236	3.1629729105
3.4488275009	2.9557772967
0	0
6.1633789995	6.2144140335
0	0
14.9620933344	9.0695504721
14.1886331486	13.1461645306
0	0
4.9263273337	13.6595775998
0	0
0.107838234	0.0271827935
0.007657	0
0	0
0.576871657	0.5369061835
31.9707702091	79.1234997262
6.3500591237	12.805279875
0	0.1003356518
2.1971484959	2.883460612
2.5389682698	2.5599918563
4.6191523314	7.2448453831

gene_expression_table

0	0
23.0043808515	29.7989592071
98.4502989786	85.5737099044
33.5134559056	18.9969076286
0.3064592565	0.3932687198
3.5471350201	3.9016435597
10.2740460684	10.8858537913
51.5938413189	54.6986116247
2.034362913	1.9174337358
0	0
6.7032874011	11.1037314793
14.0960692703	16.6295395801
0.3317571346	0.5575070085
0.3678653849	0.5563671674
2.4069454993	2.0068396774
0.1038274078	0
4.8604128578	5.8807906263
29.9281352124	49.7015665609
82.5398388923	74.3065169372
11.1413177189	9.8124573892
0.0247173941	0.0249220632
19.9291888832	17.4732259667
2.1158922459	2.7429590676
0	0
13.9590554501	10.7905585129
34.4020074874	27.8546066844
40.4638723265	36.4815811217
1.2757910639	1.9790078167
2.2832971297	0.627873727
43.1999590707	41.0359106703
4.2864908082	4.538083747
0.3988623896	0.1340550387
6.4192266142	5.6633326401
14.8039018453	17.0897420597
4.5122610277	6.8244363008
0	0
0	0
143.5508765319	107.7059618037
0	0
1.4295972757	1.6362233596
0.2035990383	0.0684283043
0	0
0	0
0.004596	0.0139034718
2.2653829672	1.5813285005
2.412084236	2.1760511578
112.623210844	82.1095583978
0.2716301291	0.1742868438
0	0.0943678351

gene_expression_table

0.1791496269	0.3612661028
10.5092559383	6.5409113729
0	0
0.8990917228	1.1157372694
78.3732088281	80.5202182557
0.2710720877	0.1242348472
1.4896882461	0.9298240158
1.054617755	1.7177198382
4.3835698687	4.0690843022
0.7417256131	0.5609005295
9.0272171493	14.649830687
0	0
0	0
0.2609579202	0.2631187472
1.743074483	1.5347251017
0.2835440299	0.2858918783
5.227803765	4.6549902438
0.076171417	0.0768021443
14.0610869351	13.4313327299
0.1681584109	0.1994715577
0	0
0.1028123367	0.1554954907
2.8912458577	2.5507881277
0.6273539104	0.3162743152
0.0637048581	0.1926970728
275.7848640047	310.1335539842
30.9550810285	18.3596473116
0.6527251543	0.9213819405
0	0
3.4940195491	3.5229513099
0.0196742682	0.009919
4.4451815686	4.5773507735
38.2691616556	35.9551776632
1.6797330791	1.5726674635
0.8118506869	2.4557193231
2.2482019021	1.3223104048
0	0
55.9802148718	58.7015016025
0.0785214617	0.0659763735
1.0976351294	3.8735338251
0.0166299707	0
0	0.0187846485
0	0
1.6493415179	0.623624501
5.4940999637	5.0202562671
11.2714176516	12.1027198371
7.7657346134	5.8725283038
0	0
0.2269238129	0.1144014125

gene_expression_table

34.6428704651	40.0023232805
0.0414126711	0.0417555831
3.0697365348	3.0951550769
8.380589292	10.4489044996
1.0948612984	0.5810142899
0.3983495682	0.1004120121
27.7809623926	25.3900867491
1.186929177	0.5983786925
0	0
0	0
0	0
0	0
0.1076034438	0.1808240662
0.1098095679	0.2214376625
18.3748220859	19.1344140543
117.8444976444	147.6465182005
2.8676387445	1.0408981835
2.9650793907	4.0767699999
1.7131842256	2.2209043089
0	0
1.0455851036	1.054242931
37.9104202226	44.1968843121
14.4859432111	10.9544190923
0	0
4.5846559653	4.5242650076
0	0
0.232528778	0.8205897048
0	0
8.844714428	9.9827819785
15.8396161061	15.1889877889
1.9747537448	1.3373096162
8.1624807913	9.3652510675
0.7948784218	1.030448965
4.2478873246	5.612287334
2.4163020513	2.4363099167
3.4106746072	9.0271551335
0	0.7165293113
0	0
0	0
1.2415853374	0.4172887061
0.4591728641	0.6944624752
1.0546560781	1.0633890164
2.2448126236	2.0119115501
3.8444102412	5.1683244869
2.5297210331	2.8762852469
0.1955150694	0.1577072046
5.3074360402	4.886045853
0.4847791206	0.3601634615
0	0

gene_expression_table

0	0
0	5.5981875409
0	0
2.2014844704	3.1667913564
0	0
142.7549703236	134.7049207787
0.1014709627	0.0613867076
1065.0012980796	1076.7554369095
0.0447042958	0.2253723186
6.6364450482	6.7883740139
12.0927662413	12.9432310041
3.4231635617	2.2230055447
22.1022843428	22.9817149517
0.1420413241	0.0954783188
0.1210394535	0.1423819886
28.3482370933	38.7061063898
11.798453015	14.9891471408
1.7243879277	2.0429331269
4.9940148072	4.1198457908
0	0.0775014082
0.6379591441	0.4502691755
0.0547872327	0
4.4049002152	2.2206872006
1.4787680637	1.428887271
0.2799225533	0.1652139012
0	0
0.9343413642	1.020584557
2.5983505781	2.1160455119
2.0336053232	1.4096804697
5.2483289727	8.1677582846
2.9748438855	3.9993022423
0.386082282	0.5839187769
4.8481195491	4.7960323619
13.1976683207	11.5617760948
0.1971042491	0.2649817926
3.9983646328	6.5511429027
2.9119964561	2.4755427581
2.7050620775	3.8505331505
0	0
0	0
0	0.054050747
0.1966140237	2.3789047179
2.0818290001	1.1661485035
0	0
34.7631400531	37.2416785504
0	0
0.7018593965	0.7813867835
8.7719503806	4.9529677907
0.6561086573	0.5880368685

gene_expression_table

24.3544167983	24.5560802836
69.6098804878	51.2664970892
0	0
1.2822447028	1.2005148613
0	0
1.9522073276	1.5746978551
11.1792355468	14.0043621838
6.7955209956	6.4487439028
0	0.9985930128
35.3229758976	12.184237365
9.4815069103	15.0570271813
0.8840235024	0.6685076554
55.5297816191	75.1860188911
0	0
10.6949263781	14.5894199124
1.9405611969	2.6088396719
11.3458586534	8.389191445
0	0
15.3439779819	19.522968619
0.6918999064	0.6976290909
28.2168344587	20.3895107928
0.9676714406	0.9756841143
0	0
43.4015602011	38.2536116952
13.4798540581	15.1016357596
3.9031101587	3.9354293395
1.1205381311	1.6947248954
66.5035780759	47.3324132076
2.570377264	2.1929438626
100.1029418871	137.4761144824
4.4598335177	0
2.2038449365	7.2723062592
4.3702798637	3.4717621786
11.5731559222	8.3712290075
3.2918192421	3.8297038965
14.9882913719	16.3460652093
0	0
0	0.2047371003
0	0.8624111238
35.4542323108	35.1314648429
326.1675790509	381.4873045482
9.827196215	8.440632849
0	0.0719763003
0	1.2370169358
4.5870287375	4.0926356458
0	1.814729753
0	1.376728637
16.2997445815	21.7518252786
0.2464745322	0.1656769543

gene_expression_table

0	0
0.835288709	0.6737641642
49.445530545	50.3000911864
4.9235189094	5.5848233791
16.5106916176	24.9711092811
1.0792211942	0
0	0
13.0658582291	19.3045460495
1.7538645696	1.1789248068
0.1753894251	0.196490793
2.1124928078	2.5004171991
5.229571987	2.4071819544
4.1728545322	1.803174555
0.5363932431	1.0816695509
10.9828818691	14.2377739084
12.7704421734	9.8104275115
8.6353438293	8.4683038661
2.0103509327	0
4.7662624762	4.462462526
16.3476577834	20.1917024074
0.067311749	0
64.8435612567	42.030314793
123.1641709064	89.8922929094
17.9781940847	16.0553960993
0.0816091093	0
5.9670467828	6.7160440345
4.706633375	4.7456060221
1.8462472304	0.7446139333
0.0921267432	0
39.7179490394	43.7208491304
2.9489808474	2.3510600605
0.1850182653	0.1865502843
0.779851696	0
0.122349499	0.4934503904
6.3477408241	7.3849643556
3.6805743051	1.6493559145
1.7457769347	1.9435901699
41.6252455173	43.2652856188
1.3195015633	1.3304275192
10.885436278	11.5432736578
0.1243224263	0.4763370737
0	0
1.3146989276	2.0679127808
1.1996343518	0.4031892544
17.8984965282	26.4446731618
2.3116359762	1.9721960654
16.0633862077	21.7563540784
6.764236605	3.1336269816
0.2002467615	0

gene_expression_table

0.2858739888	0.0720602825
1.0995366389	0
7.3345797087	0
5.5791134412	16.8759316277
0.3174880105	0.9603507825
7.7318420832	2.5986215219
0	0
60.1156646061	6.6343073377
0.80331632	1.1171973423
4.5532978025	2.2955003875
2.7481335194	4.3102718879
0	0
10.1305764274	8.8423694907
7.3345797087	0
0.7816401472	0.5629374384
20.724108874	14.7499144101
0.3523650594	1.0658483133
0.0993733993	0.1001962475
1.5115400706	1.1430421317
3.0150478808	3.7769865701
0.9424342653	0.6334919773
3.1703506925	1.4530010712
4.2624605903	4.8076584982
8.682593887	10.943111178
58.0115372423	39.4820284528
11.0339704583	11.7267052736
0	0
22.7965358505	36.0103025678
406.2407992124	418.340265314
34.1491785997	27.592724088
14.5307012702	9.376653309
1.1197287187	2.2580009646
290.2094044498	125.6025115721
0	0
0	0
0	0
1.5007154958	0.4035045252
6.2568780802	2.9883255731
8.0537637522	7.7427564284
0.6108835221	0.4106279075
1.8564208518	1.5152607538
1.7222988547	1.9681014689
15.603374177	78.6628791316
9.1364823693	6.6236017646
0.7443883096	0.7005153095
0	0.2925478976
0.2841983327	0.1910343993
0.9380072885	0
0.5812651107	0.6786168614

gene_expression_table

0.1279438773	0
1.3041984894	1.5779972763
0.4838241039	0.7665905414
0	0
12.2851601806	16.515847738
0.7758322481	0
0	12.7031082711
0	14.6599002018
11.3563019158	0
97.0389618759	97.8424799985
118.6031756261	86.971093332
11.3563019158	0
0	0
10.3601350811	2.6114801979
79.0523350751	39.8534586722
12.8518863199	0
28.4562359372	28.6918639864
74.6534206976	97.6178281671
2.7922624012	1.407691678
0.326967081	0.5769303542
1.1067428214	0.8927256457
104.5170709896	115.7569546409
215.5059936496	239.2158551757
1.4717906624	3.7099440695
449.2142428211	450.8719866008
1.3321714649	0
1.2623646287	0
45.2609171281	50.6211060476
15.4141679074	11.7020633296
5.3247055508	4.697696554
6.2564551797	4.8745652553
5.977828418	5.0227725211
0.995357433	0
0	0
496.0808301604	469.9758291372
214.1843966524	202.7991954316
3.6146245445	5.5807247806
4.8299690213	4.3829666394
1.4118796153	1.4235704953
12.7920958431	4.4147582082
9.5713988562	4.825326771
57.3948954316	33.6591666519
0.8457175487	1.705440799
4.4510226457	0.9973063872
12.643512948	11.4733852767
0.5211481781	0
208.90850726	228.1915416788
21.8921865829	16.053426837
0	0

gene_expression_table

5.4076065403	5.3475299728
0	0.6942502368
3.7140106894	0.9361910143
9.2240388839	7.4403338416
0	0
63.2856216911	81.4591274076
0	2.8616433519
63.3117504606	59.6637076777
13.2952956007	10.9270789489
123.4424686648	131.2783739198
19.4684163362	14.0211585352
6.2515147354	7.4346374363
23.2719187014	32.1552182271
0	0
565.5696887072	685.2823500741
8.1176484034	6.3432707651
0.6205696348	0
0.7980104049	0.1341030372
3.0422788895	4.3344685803
0	0
149.5317274016	142.6201802506
0	0.6942502368
2.7129270467	2.1883128605
0	0
0	0
7.8204815166	8.4803502654
24.9028694937	31.7706655269
333.0028716735	561.309132495
0.6300771582	3.8117665659
0	0
0.614968766	0
415.4066544827	594.4326263302
3.0431527861	0
9.3743913977	11.4137537084
4334.8794602561	4109.3047584537
0	0
5507.6559114421	5277.3228677093
0	0
4.8762609115	3.6874786025
0	0
2.6352501307	2.6570709664
0	11.161011634
72.875669868	90.435824109
217.7790101993	174.21405629
145.171659086	184.0665404842
0.8619413482	0.6207703843
18.9318374724	22.6677125192
4.3334129212	4.5165747787
11.3939777908	14.1914591791

gene_expression_table

3.144822069	6.8702017514
59.5662157938	66.4487486145
12.056091983	9.5510806579
1107.4186500778	1168.2678926397
33.8009735023	39.2251383778
4823.5260575804	6551.302077835
1.6649295127	0.8572165473
138.6574494528	161.8718541722
0	0
152.7530152988	142.4871168369
13.3457948827	13.003990245
330.1999889971	413.5392795833
4.2455565784	2.9289077595
33.2423405872	31.8010645979
0.887895178	3.2228901902
0	0
45.1692115822	62.2616297746
0	0
33.0726348743	37.0095496217
0	0.0335922998
44.0201671281	37.2572049328
19.5352075408	11.0495176298
37.5209159576	54.9168428834
269.1886007362	246.2863233903
2.3606580858	2.8562462386
1335.703685161	1068.3402272063
38.1184487304	47.3034873083
5.7945855542	7.3032085544
0	0
1.3448514035	4.4069586125
241.215551879	288.1215118671
12.867351887	10.9779139211
5.9788630024	8.7076458104
3.2723188811	0.8248537198
91.0110285813	112.6934092052
1584.8276330963	1640.4492717764
236.4143984901	228.0079964057
0.5114269916	1.0313235885
6.494805495	8.1857310771
2.1178713571	0.4270816214
68.3167378622	51.9441241152
6.0810461627	11.1479990013
8.3454210479	8.4145241888
67.636276674	84.5979787407
19.4405573595	21.2349933143
0.9270077397	2.3367092577
48.3064440918	61.3701133039
238.8610889125	253.4318322305
11.7731788216	16.9580929306

gene_expression_table

2.602182722	2.2925793909
103.2008078641	122.2045369886
25.1000714473	26.0926505974
20.1320215823	22.5794773808
1.1017609004	1.4282792794
0.2236326059	0
15.2464304941	14.5186389347
15.3357836011	13.8351095549
8.6834489539	8.1019666799
174.0066865417	200.2337411238
8.6992263111	11.9038516208
141.4692183966	105.8301487752
2.8828585376	2.9067296615
15.3086281091	15.2336193603
2.4606197107	1.8607459069
11.4634031599	14.5999886323
8.9265815059	9.2147944126
4.199595238	4.2343694237
18.9396219451	22.466410526
5.3116063343	5.080942821
4.9361317207	1.4220013423
115.0378635625	67.6610778545
68.2199331144	95.5892185625
1.1893503556	0.5995993059
0.5494145837	0.3323783625
13.6488542178	8.4447849231
1.8297600862	1.7219170915
110.7651714102	128.9750981636
5.6062756293	7.2677541131
0.2293425641	0
2.9467617652	0.9903873437
1.7322738086	0
90.9689040927	104.7017108466
10.1725177938	10.2567499645
220.6661751987	223.9571440814
453.7304905348	531.5836873408
5.6992707227	3.8309751802
9.7623974457	10.3900799848
0	0
0	0
0	0
0	0.0518036165
2.6470410074	3.3361993448
0	0
0	0
1.3725018048	2.7677332443
0	1.751932546
0	0
8.0574801078	2.3211997121

gene_expression_table

0	0
59.7932537925	54.1953908803
0.0969904666	0.488967916
19.1963233514	17.9877836136
0	0.1661725317
161.8326222415	181.3029506531
0	0
4.7768073047	1.6054536725
0	0.5562250148
0	0
1615.1758497494	2171.139894384
0	0
62.6120588503	73.8761282728
4.9732867102	10.7452871667
0	0.50959625
22.8977732006	28.8592189298
14.2570727121	12.7641209373
31.7453761572	25.7457578517
15.4994992643	15.9446213479
11.5899001247	12.051052138
0	0
0	0
0	0.147212387
5.3913791219	4.2085329402
1.0956508223	0.3682410707
0.3578066104	0.5411540702
7.3854287327	6.2054856549
0.6670889898	0
21.371123557	26.4352786557
4.2523228001	0
0	0.8627315322
34.2508629947	23.9472620752
0	0
58.493283642	48.7062445378
36.692788929	44.8682396414
0	0
59.1138520135	55.6001271876
1.8368623612	4.6301806348
35.784566977	21.2784655041
13.8342575673	26.1540192818
0	0
263.5410723629	213.533734087
112.1808376747	123.3924393504
31.1353518831	72.4457630605
3.2136889212	4.5364192185
0.215448476	0.2172324682
30.6833749881	41.8565426451
37.0310664424	39.6424933518
1.8260847039	0

gene_expression_table

8.960593918	5.9193457722
19.5339951528	9.8478718913
0	0
0	0
2.0162388827	1.1088731338
1.5601260185	1.573044433
7.8513341881	3.5183760484
44.6866605293	45.8335217871
0.8149244643	0.7042905747
0.1394981119	0.1406532073
0	0.0773442024
1.4552369699	0
5.144555924	7.3335635838
5.0973839294	4.3837697614
0.1283090721	0.2264001569
12.2532054012	13.3842219624
0	0
192.3469141933	112.365489023
25.4301782201	38.8592723883
17.9313646019	20.9414007274
9.445045645	8.7641541171
0	0
19.7121429748	23.9875115751
13.5929936885	16.9132302509
2.4812989311	1.6866370749
0.2617974138	0.065991298
52.599709014	48.5023261771
15.3284905215	16.8604538548
7.2412857835	8.8776517272
0.216296292	0.0545218261
57.0259526552	60.913880005
4.743147655	3.4100752835
0.0990545551	0
45.7741443142	46.4026475833
1.3680991021	3.1037117928
1.3796136392	0.1738796681
0.2213287104	2.0084525378
0.4643676064	0.2217849822
1.8076747939	1.012579446
0	0
0	0.7894099102
0.821035042	2.7594450423
14.0831106514	11.8331033019
3.6863829204	5.6731746362
1.1181521719	1.4092636015
0.7506071938	0.983869245
1.8561928568	2.1389289292
0	0
0	0

gene_expression_table

0.9210267257	0.9286531641
35.0146548659	24.713212317
13.5924260589	15.5860515032
0	0.3371853679
3.009889544	2.3450824104
5.4241928178	7.9302053236
0.1297241125	0.110675464
0	0.2309656049
126.7818580621	83.7517760959
3.5494069132	4.3822007774
0	0.7380270124
0.1304789601	0.1534859359
114.0376434155	134.7365192965
0	0
0	0
1.7613598216	2.0181187791
7.1138699566	4.3962171829
8.1557859713	12.1636591535
0.500056025	0.2520983359
3.3437419956	2.5285720524
0.3995040216	0.3125265991
193.8570245559	225.4269605874
51.5544519625	53.640320685
4.5223309042	2.3884548596
0	0.0411800792
1.0310733247	1.0838497547
0	0
0	0
0.119395625	0.0752401653
0	0
0.6147077038	0.295141766
6.4640398862	7.3179671607
73.9212633976	74.9474327293
2.3409011244	2.1821499526
2.6587244623	2.5020236957
0	0
0	0
20.1118320385	21.7804665076
7.5686784511	9.9207548426
4.9626191061	4.4960885122
82.8955889623	65.8443367242
0	0.2294094359
3.0575696677	3.5155734235
0.445862475	0.7867201642
1.0491654395	1.0578529134
4.8612865566	3.3203979213
3.6287679021	3.2522803809
435.142262007	401.5635857156
0	0

gene_expression_table

0	0.0382959442
360.6177017877	211.0053426524
0	0
6.2639169469	4.4582008037
50.7062508438	29.0717136794
0.9845494308	1.9854037209
16.5588921297	34.8230978478
0.2150220365	0.2168024977
2.3571209547	1.4259832674
0	0.0982470592
0	0.0340961952
10.0824604809	10.0953500903
3.2565865788	5.0895060768
177.7670701059	185.7893106711
0.0196839202	0.0396938205
0.2360638728	0.4284334226
13.6245764176	11.1934312496
3.1880384765	1.6791832996
11.4407465285	16.8526154547
3.1585925229	3.6892611736
3.5236505944	3.7558464374
23.7602106034	20.3857309107
0.2136274784	0.2153963921
32.2725031021	36.7234109711
0	0
17.3138588804	12.0613547423
6.691361235	8.9349091785
2.3980721723	3.9450421956
4.0095021388	3.3689185701
1.0013482363	0.7211712616
8.2220559341	10.1099238618
18.7327518007	8.0947996466
0	0
5.3327987693	5.3769562951
14.3413869908	18.3485796435
19.3961958453	21.1715853823
22.8682159519	37.4685563692
1.9501575231	2.141088256
0	0
3.3127992355	3.8969354967
0.4914868069	0.1238891244
0	0
0.5604234345	0.5441356514
4.7820972353	6.0271184384
0.9396373187	0.8070596582
7.8220291833	5.6334274628
8.637419187	8.856549335
8.0596229442	12.2314278096
0.3944673247	0.5966004878

gene_expression_table

0.661781984	0.1906462232
10.2719208181	9.8862044421
3.9221737575	6.5198296838
0	0
0	0
11.4043709186	10.5536961648
0	0
1.1779142945	2.3753357119
10.4331537322	16.3909174949
0	1.1321931701
1.7403168928	1.7222324027
8.2498224473	9.3710623508
1.0792211942	0
0.2296948146	0
62.9997417333	71.5572427489
23.7554900858	25.6807031013
0	0
0	0
373.6884279081	223.7147310161
42.2630186341	43.807728119
0	0
73.715727392	64.7538171862
8.8572507851	10.6247423195
0.048040827	0.0484386226
10.3832433718	9.5738265751
20.4581047541	28.0322508596
20.0871262708	12.9869482626
10.0567386303	7.5232347892
9.5889721765	7.5198451812
15.1499641505	18.2640788465
0.4408104024	0.222230237
0	1.4506048176
114.947898804	117.3761388996
3.3734554395	0.4251736107
24.0668714561	25.693574782
5.0559481849	5.8402132796
7.5038305897	17.8022707142
10.121474644	9.9080428726
9.7919133866	7.8983952108
321.3401408942	379.2146007469
0.4214350074	0.1062311609
0	0
0	0
0.0721844097	0.1455642461
28.7947696223	29.0332008543
4.8654358096	7.7204827262
10.2071231679	8.2054982587
0	0
0	0.029897979

gene_expression_table

8.6451127197	8.7166974173
6.5790654643	7.6043048565
5.8323828921	4.0324643364
1.7741566007	0.8944236334
64.0772827302	51.3549704777
0	0
0.8155882246	0.8223415936
0.5090005957	0.6842870759
5.7279040311	5.3310767751
6.3544555352	5.1256582023
114.7652226578	126.2633161612
49.8862876079	51.0732007031
10.2702551237	8.4725153962
0.1584469446	0
23.2765930574	20.7980257128
6.2473044886	5.6474102023
0.4608051439	0.2323103896
0	21.3749793551
2.9341972354	2.2244311748
15.9886571329	17.4281611525
1.3380864333	1.4201750303
59.6822859149	60.1764770873
11.4431105224	11.5378636659
86.9932195729	70.429516901
2.3539023186	1.1866967457
0.1305233286	0.2632082191
3.4190291397	1.7236699762
15.045040982	18.5750441977
0.3208495442	0
10.7183493443	18.4356432236
5.977046409	4.8506285818
0.4348734244	0.3587517291
14.169323642	16.2894523459
0	0
0	0
0.0259186428	0
0.1506921344	0
0	0
1.5329193481	0.8832071322
119.8857836682	119.8273646044
3.8904321574	4.7071756315
0	0
0.1321978284	0.0999693561
4.2395745542	3.7657893329
1.6668120554	1.6806138693
20.1262129408	9.3659378541
14.9118865156	13.0306474082
6.9896740295	5.052961158
2.0534330444	2.7402832345

gene_expression_table

35.3148386036	34.5206519164
10.5607492759	11.1045474087
1.9178988187	3.9813111942
87.9029781878	103.6894860786
0.9346152089	0.6282361099
8.9107927259	10.6959254181
4.8278488666	5.3466277032
4.376160347	5.8057849427
7.1429589296	7.3433229939
0.1027362038	0.1035868972
4.1310022036	5.6352819717
0.1230562788	0.1418002627
0	0
8.5469307839	5.7105257524
0.0283647398	0.1429980511
29.8226395523	31.7716337305
1.8968393448	2.6563137068
0	0
0	0
0.5635881844	0.5114294108
0	0.024512813
5.3519863508	8.7001615873
0.0579905029	0
3.557076751	3.5865306484
0	0
11.0640254256	14.130476834
5.1478867602	6.0854292066
27.8652554954	24.2206810432
7.9713681622	8.6448499508
0.0422501931	0
0	0
60.0284607186	55.3962371294
0.7063381838	0.1424373845
0	0.1246258314
2.6825493421	2.7047618325
3.8978143963	4.623634972
10.3484970951	11.3471777522
18.8158335663	16.1515275673
0	0
0.6013771604	0.2122248742
7.4266241212	10.3741652625
6.2726088325	5.9731845335
3.7319452109	0
4.3217452215	5.083785996
15.190191218	31.1992013284
1.7351071005	1.4673011284
48.0609009132	57.6891223382
7.4961711366	8.8573150516
0.4520897146	0.3038887886

gene_expression_table

0.244551931	0.2958922927
116.1884945295	116.5138898689
0.3656407437	0.5027296131
104.6513645013	158.7356477043
4.3802878818	4.7437107331
3.5608872688	1.7171347785
261.8283936994	351.1282548335
12.4385035146	12.8898738452
1406.5847630085	1520.0247469997
16.9809720493	11.4604128968
2.5529882876	3.7508721777
76.6309647752	55.3470756575
1.069816435	1.0786749066
6.9907174217	9.0949717686
17.4376372811	18.3045763675
0.0700810043	0.0176653252
0	0
3.0381060982	4.4854918528
36.707536464	43.8654676168
0	0
0	0
0	0
304.0042162942	314.2371262008
103.1157194787	133.6751426296
172.7725452754	180.7357838833
73.5702527096	82.2830777782
0	0.5740453357
1.4000352757	2.8232561604
0.0664015485	0.1004270665
0.6366963476	0.6419684264
235.3260928325	203.0016698244
0.6121898002	0
0	0
187.9621152273	211.8922233657
2.9251372081	0.9831194716
53.14138037	71.1080400369
20.0991906356	9.3533627496
16.0334042981	14.6662131379
51.2702143482	113.7284510758
16.0102269841	12.7025291989
0	0
10.4770333164	14.8932078834
7.6560793084	8.2708654793
5.9434657809	8.8127644897
4.74368286	3.416401636
4.4399737781	4.8648948936
0.9385994478	0.6123579613
3.6872169096	3.6050893724
0	0

gene_expression_table

7.624610824	7.6877453924
1.0305290496	0.3197114484
10.9000991792	13.6709306218
13.2502634085	10.6334538191
0	0
22.4688588148	25.9865134825
9.0743027128	11.3579270822
32.4721328409	44.0310188091
10.1046772048	9.5091244552
4.0392002164	3.6937954566
40.135675402	38.3219824667
0.6112474199	0.3641824563
0.3714178399	0.6990541891
10.5548030638	15.9633010447
7.2358196587	7.9210835992
0.2771607518	0.4284988079
0.7019439452	1.3144045533
0.0274299622	0.0691427308
43.943206518	61.8111009357
1.8348762477	1.8500696946
587.0454171995	471.537349234
181.2390698941	130.6130468671
11.3510778826	7.4392948254
2.7834363143	2.9144258852
7.1545760439	13.7062552493
2.1165478334	0.8536294497
13.6210504131	13.188122291
0	0
6.2572418796	4.9533896082
0	0
0.6719450403	0.2540658717
1.2906045618	0.780774744
0.573667434	1.2211038439
25.8338883779	30.3891028343
1.1403946159	1.5679602283
0	0
3.9896882275	3.8110019745
0.0218152939	0.02932791
0.0435454527	0.0219530125
0.0249565253	0.0377447616
0.3857009626	0.3589797302
32.8949086354	32.9061307512
0.7223580423	0.2731272868
13.0384766694	9.4605222636
5.7030586528	15.6079084645
3.9780741683	3.4577707573
0	0
3.458728761	2.42791464
1.0820651371	1.3282043874

gene_expression_table

0.5077750189	0.1599936193
16.8588810942	8.1592698242
0.1521817696	0
14.1160786983	13.8339099033
0.0305690238	0.0308221465
5.7589819778	7.5694070951
73.7554451643	73.1763085703
316.1889341307	330.6242790357
1.9255099602	1.1574052021
0.1260471572	0.0423636246
1.1925418187	1.17944039
7.3922222057	11.744802745
1.5203412869	2.0439070256
44.5589616748	41.502336507
4.525232181	3.3751499867
3.6493585204	4.7308841289
3.8911771151	1.307799162
2.9699780147	6.4498441964
0.64037872	0.6456812902
0	0
7.5130864585	4.0519033483
0	0
0.5019742869	0
0	0
0	0
85.0561203715	113.2477290589
12.6932210567	22.0131199856
2.4420083008	6.1555725585
0.3731058476	0.3761953006
1.9713321166	0.7453708005
79.4009942744	86.5496903453
4.3262683018	0
0	0.67136816
46.8299007595	53.3498343459
0	0
0	0
0	0
2.0419883004	2.5813033391
1.7790524705	2.1409676135
54.4904316337	63.2498791958
29.471625365	46.0808079637
2227.9450346615	2396.2211986208
0.11558519	0.2330845554
0	0
2.0508491567	1.608312952
0.5313604828	0.1785867807
1.5883656738	1.8199067306
785.2393318611	890.4154034347
3.917161464	2.2950360915

gene_expression_table

0	0
33.1509554667	52.5720788052
9.9882494076	11.1248930002
13.830334461	18.59313959
21.2058510089	21.4676587139
108.0880512016	139.557492902
1.7087817194	1.6591187961
0.3412140021	0.5733989649
0	0
288.7928616875	348.8963505777
4.1740450985	3.4659122398
20.4624101694	14.6180795229
198.39392841	201.4554027731
2.8492196266	3.2623460667
0.3598190839	0.5441977765
106.9531592192	97.9482323997
0	0
7.5942218955	6.9160946874
2.6416158589	2.0326629671
19.5416105709	22.3660468886
0.9536647675	1.1218217044
2.6893034777	3.7574639114
25.378785838	28.7314318304
0.3884209201	0.4637808799
13.267471107	17.0524214548
1.9289753091	1.1470205745
0	0
0	0
2.6863040768	3.2244614974
4.8227466937	3.6019857789
30.8565805195	23.3340632252
0	0
7.5249282112	7.5872373711
131.0243808475	104.5490916709
10.4349407454	12.2562486513
0	0
2.7669381535	5.8764913192
1.6967601162	2.545351331
0	0
0.0178147715	0.0179622843
1.3407730335	0.9586023614
1.6383542886	1.6519204618
0.6832783565	0
11.7756269768	13.156715476
0.3333996393	0.8404007759
168.9411712604	178.8570692943
2.4206129228	1.2516187096
0	0
0.3456799394	0

gene_expression_table

2.2641583277	3.129791015
0.4752356395	0.375003207
151.5169755606	98.7426140678
24.3984686228	24.7988879772
2.8545870912	1.4391120586
1.6185094547	1.6319113054
0.8855342147	1.0416778891
0.8403021175	0.9531676424
0.5438979167	0.5092300483
4.1373824513	4.0111937427
0.7198470324	1.7626756713
12.7830336059	16.7555463439
32.407007906	41.5868088276
5.1092021634	4.9368620512
32.3661311371	35.6816801885
0.4469642959	0.3004435492
5.4332674447	6.177608831
0.1050626815	0.105932639
0	0.0958021103
23.0876202883	18.8284365135
51.0239068819	55.5079616783
0	0
0	0.204236503
37.9826449199	31.6941973426
14.6939900257	19.9557891497
557.9476901343	808.3956042876
0.7346746295	0.7407580043
3.2867961018	3.7282634736
0	2.4763204095
177.768577093	228.1243566998
73.775343654	81.6879463804
162.171432661	153.3651098035
27.3388332448	33.0344962491
0	0
66.0532895369	44.4001566341
20.3046773509	16.2076392798
6.0925507392	6.7014537702
31.1173087705	33.2764848996
49.9028629368	58.5646141054
1.5835107457	4.7898683828
98.4368316561	103.7355844928
68.0412790043	61.7843368284
0	0
0	0
0.9285026724	1.8723820287
7.2959450055	9.8084774675
3.3928374021	0
26.4552365995	20.3979907849
17.2305216222	22.7187956166

gene_expression_table

13.3388794099	12.3439058126
142.7752484971	122.9787515994
0	0.1064874025
0.7963068178	0.6863504528
13.1313889384	15.8408598255
0.0740261778	0
18.7823867894	25.741952004
0.5789923897	0.5837866586
9.5543917431	15.5836120062
17.6239089121	20.9120693685
0.4870211386	0.3273692346
0.066842103	0
0	0
18.5517706006	16.6270098236
0.2020013708	0.6110220482
1.1690649891	1.7681179127
0	0
1.0594014466	1.5259623976
0	0
0	0
3.3217567923	3.18785193
8.9861089365	12.149329892
3.488109612	2.8999762194
3.9057389488	4.922599871
0.5577086883	0
7.0914040025	6.9568768442
1.911940858	2.5925215412
0.4474111861	0.4511159145
0.1145468215	0.1668265604
0	0.090436822
20.1675250874	29.2077644831
0.1180764749	0.0595270957
7.5179801153	7.8329061338
0.487481591	0.491518117
4.9130475358	3.0623054273
1.4479597997	1.1791899298
10.5080719836	10.5950826658
4.9758409424	5.6190878539
59.9296193837	77.4953101406
7.3005610034	8.3295665733
8.2111310201	8.2791221904
0.6199181795	0.4687884967
36.2505871587	38.0658125029
0	0.0394265334
3.3556621234	2.7067585872
4.8987916422	3.9789252075
0.1444793122	0
0.0836162112	0.084308584
371.1551850675	474.2188081996

gene_expression_table

50.2518612412	50.6679650455
0.8103652458	0.4456774727
1.7064745321	8.6030238292
2.0876888363	2.5907392788
0	0
0.3674174055	0.5248179878
0	0
2.5313014868	4.2985458351
0	0
6.9143527947	4.1260526292
66.8912263876	55.7986607795
0.2211034762	0
0.877760045	0.6637711646
6.5316450043	3.2928647078
0.4088946148	0.4122804119
1434.961244881	1441.3209467372
0.9616806431	0.9378521138
0	0.9594866184
12.2724030049	11.6336968317
10.7046681491	12.4936221616
10.7981864813	15.085228109
0.8510725131	0.4501611567
0.724180032	0.5737101132
0	1.7512278974
0.3647637167	0.3028810184
0.4513170534	0.8451005155
3.9355058587	5.2907910503
1.9065049905	3.4326634815
18.9570612577	17.1702327317
14.6099413574	16.5164827187
2.8865349963	1.6371205665
17.7109574294	23.3745960403
2.6235477461	2.2829056979
0.1683817357	0.1697759981
253.4661906204	254.8761290499
3.6004665395	4.6007505367
0	0.1171443082
47.7552665934	51.3121071239
4.134482271	3.8164313287
3.6510679275	4.2200269512
1.6974189479	1.8670627616
0.1684827446	0.254816765
0	0
1.4759408027	0.8928972797
0.7586189953	0.7343046127
3.9119751809	8.6776090881
5.757932968	8.7084161407
10.6229613862	8.6448569531
0.361506494	0.3124284858

gene_expression_table

3.2116274279	4.209687142
0.2077388958	0.0698196833
16.19766732	18.8551566192
0.9593357001	0.7738234807
23539.1649801931	16033.322469455
12.4613267575	11.5318115614
7.0605843954	6.0204300045
11.5216157356	5.2390477532
14.0537983178	12.6048595553
6.2532904965	6.2080689533
0	0
0.7636700037	0.6114654033
0	1.5694297053
2.5234997512	3.3218493579
10.6902294839	10.7220182416
3.264469369	3.0383080341
7.8944508979	4.3530264755
5.9066068139	5.0839768002
3.5236505944	3.3836454391
0.3126673982	0.252205119
32.5597270762	36.6173335571
0.528485391	0.5328614435
25.0873640236	32.0021297643
2.9480023235	2.7742520043
279.4048253146	306.5842161453
1.6061480583	1.5020962802
11.070458973	10.5532831657
0	0.0700550331
0.8498095437	0.7322140919
10.367463794	7.4666501349
0.359817335	0.2821752533
88.8936540677	106.4938557023
10.579514979	9.7495157527
1.1374429211	1.3762336378
5.7827034529	5.9150876056
4.4337399583	5.0535555064
38.8491903685	50.9713071131
1.8786364759	2.4624499556
69.1744321308	70.6825293195
57.3662839125	76.6330557623
1.379902953	1.53046196
5.479846153	4.5129670037
4.3944779967	2.6585195298
24.8793958334	27.3152202339
6.5112723337	7.2005288311
17.8265120801	21.8257197232
32.984350625	33.2574731212
0	0.3235874407
39.9737322084	53.2598209166

gene_expression_table

5.0971943214	3.6710006829
0.3067907928	0.257775944
1.9302852924	2.4952163605
0	0
5.972129849	4.4731746578
7.400748229	4.9746860888
3.469748605	3.5609522398
1.7650562699	1.5572126341
8.8936611709	11.5454038237
31.0976048654	30.3270682057
7.221558054	4.7848905586
2.6447611719	5.333321525
3814.3165520905	4091.2424170264
0.8396740661	1.5521492703
7.1696215627	13.2777342616
48.3814763214	33.6948475033
450.4974507844	449.5497970344
63.1052216223	90.2184599365
0.0539428597	0.2175581052
0	0
0.1750256892	0
0.7790075864	0.981822568
58.001797226	80.575301042
11.3819586273	14.7551212424
3.6311738188	3.3796073235
13.0928307751	12.9078832238
5.0123645736	3.8819571841
0.8872741314	0.9940234289
0	0
0	0
1.1055470993	1.1592894913
32.1023175507	26.8025745597
0	0
1.3297101781	0.4469068884
20.9449083582	22.2298314375
166.9223356727	163.5635414921
2.3206953129	4.0948451591
0.4366483446	0.5956512301
31.8503269666	31.5506547821
9.6174472238	10.6667915277
4.2462407221	3.6327040057
0	0
15.2290213798	14.6325292156
1.2324019702	1.1965842389
29.4508699299	47.7899623906
29.9126801202	42.2685450187
73.27786808	69.3752447408
1.2677450104	1.0956363455
9.3063378019	14.4504324353

gene_expression_table

1.5446398582	0.7787150208
65.6385807385	54.6721631318
0	0
17.6374423559	11.8556578895
62.3821897774	67.5579028561
51.5728428527	50.6665544871
469.7379428801	710.4413174719
1.6610188685	1.1165151418
4.9923220943	6.0403924182
0	0
15.1974040344	10.9451743588
0	0
244.478467643	282.2278879466
34.6679014409	41.9459572248
0	0
160.6094147878	117.7121944474
0.3174039996	0.1920193325
0	0
27.4128406195	19.4148279641
43.6303280099	58.6554707939
0.0376176527	0.0758582813
27.9932179663	16.5586737402
1.4310041186	1.5630911362
0	0
0	0.0102212195
20.8262064349	21.64476751
0	0
0.095442182	0
1782.2604319074	1657.0635121065
3.1927189328	4.5330969628
0.0976263655	0
148.436223747	119.1674891781
25.3003863773	27.7875509475
1.3870501256	1.3985354083
171.370043016	206.3189361116
0	0
390.9681247846	396.9686065116
8.5602811051	8.9764099006
560.1759017203	578.870829276
3.2054587859	2.5856009264
235.8723912864	259.2297961125
9.704675054	6.9893095111
8.0581988596	10.6249002173
41.361179958	20.4262852247
0.1531370039	0.1544050343
0.4616549459	1.280063449
1.009758869	1.7453486436
14.5637564345	17.9116792659
15.1052244391	22.7334643304

gene_expression_table

27.9110218138	33.3685318444
9.6200330556	4.4596277933
10.352028829	8.7947686567
0	0.0266674651
3.0917303287	1.1335749045
8.3746114524	8.4439563005
0	0
0	0
0	1.0199983273
1.552065344	1.3910373451
0.2199234606	0.1478296716
8.2542553209	9.1345649007
2.600966194	1.8029709129
10.1986020528	9.59751353
1.2183945047	1.71987656
0	0
24.9874598449	31.6910253564
1.1408054431	0.2875629324
1.2184847513	0.9214306883
0	0
11.5054283469	10.3577656293
1.2501453161	0.9758686272
0	0
1.6416409071	2.0690428683
0	0
102.5025826849	128.5589858774
208.0989776896	191.1873928269
9.5406952213	11.2782638888
77.3992616008	93.2146305587
37.2882518601	50.6583119384
10.581091172	14.1781494008
18.0830561285	33.5483344317
13.3676668322	11.2961459863
0	0
3.2020622982	5.0977524411
3.1616799764	1.7077820592
10.5839063811	13.1342092306
5.6558399522	3.8017815848
43.6054833502	53.801176346
67.8095243944	73.0326719903
0.0520023218	0.0524329201
10.1761135937	11.4916206036
1.2174541569	0.6904885066
2.242096602	3.4504840785
1926.3997313903	2059.163745332
124.8900952966	138.7300849979
0	0.1797424138
2.1844997081	2.0815668375
0	0.0257081893

gene_expression_table

2.619282459	2.9128357462
46.3316371549	43.5588422264
11.5766463684	19.259633642
1.798926786	2.6429985849
0.6874751799	0.8562660145
0.6571737282	0.478555543
1.7491579963	2.3515222197
2.1056851413	0
27.2540841671	25.4113890809
36.1430179269	38.0130839369
0	0.8014524028
8.7658593129	18.8297281734
65.3622478879	62.1190982269
3.660785609	3.1730493761
0.038595094	0.009729
0	0
5.3540812008	6.5230847347
5.5525956464	3.9989808362
0	0
1133.0676272583	1122.5059983205
0.36577378	0.153667717
145.9721877662	94.9017056771
9.0526556463	5.5080435034
0.7266634363	0.2930721902
1.5534013374	0.8950080395
6.9271320177	7.7801927361
0	0
0.0522296967	0
1.4742230345	4.4592904224
0.6770115905	1.194580615
0	0
0	0.0633339931
7.2413449219	5.7367403566
0.538434821	0.7600505617
7.622818649	8.0608622009
6.7390349604	7.5176915978
8.1222289844	5.6302702591
0.0738652059	0.0744768369
1.9624924721	2.5995246291
0	0
8.2059135789	9.9975827024
0	0
0	0
0	0
3.9748363358	2.194719929
8.8873468646	9.3786081583
1.0050250735	0.982326221
2.3697348848	3.5211579156
0	0

gene_expression_table

0.3836404426	0.4022898109
0.48349037	1.4624815417
12.3713903552	14.9685959946
0.237184143	0
0	0
0	0
0	0
0	0
0.3557688866	0
12.823262965	11.6364998484
0.1640639422	0.2105376657
8.2369743509	11.7249593131
6.3404816541	6.5405135437
1.4244746338	2.2569954081
5.4795361544	5.0720473489
0.4551992862	0.2868553143
8.7655401862	7.8070078261
1.5182250072	1.0805622112
0.5292196398	0.4446681434
12.764375455	11.6060445066
8.9863639411	10.7081878372
5.2968215927	11.7494986714
116.6332464775	126.6450903292
6.064225353	4.5292143397
13.0074935424	15.7792254211
54.4477374421	22.1233102269
0	1.5169376744
0	0
0	0
0.942794346	0
8.1416544065	2.0103845596
10.4271026362	14.566818424
0	0.4610763796
2.066352437	2.8771626263
2.7855080171	5.617146086
10.6748255447	11.4807648079
2.9773406098	4.3957770454
28.8601748174	40.3659485206
63.4352669023	63.9605341309
5.9357165684	9.4047901736
4.7257893802	3.2942661256
9.8562444544	5.1032242583
2.8514594917	1.6586945884
3.8671447082	4.1680740875
0.8904355131	0.2693425935
1304.3705518675	954.143824435
0	0
0	0
39.0084354424	31.4651516526

gene_expression_table

0.3322666942	0.4381004406
0	0.034952018
71.7523973183	111.4527677181
22.3385080179	16.7863664549
0	0
0	0
2.9369991317	2.3839545636
96.3164105887	151.1953645976
97.7616231946	101.872550464
0	0.0129595341
157.5752744042	144.91570968
4.0725705311	4.5951372993
12.4870985904	11.9609715204
6.2019919531	6.9047369995
0.5221880166	0.5265119245
11.6202472142	15.1180220831
13.1440958829	11.780385607
0	0
40.9651018947	49.565169519
4.575797362	4.3422933073
23.2436470498	26.3656270745
2.5919172355	2.2113209114
8.3649551058	15.9313044366
4.771693833	4.4102714375
5.6200099262	5.9998718811
7.1539699293	12.8963405367
9.3559393424	1.8866819889
0.9838764647	0
101.4404305192	97.3097584231
254.2761640477	242.8878919799
0	0
179.4338746163	101.4616971642
72.2590979839	90.0598784578
9.7924180463	16.4558380866
1.4836946062	1.1319583064
10.6078166822	12.4782621681
16.6309794087	18.7035388523
0	0
55.5834582462	68.1612684631
1.5637276131	2.1022344667
5.384091664	4.9116573504
4.644649445	3.8505561594
3.4305816562	3.2400648287
0.2674325759	0.2696470155
4.6872480598	4.7260601894
3.2213344192	2.1653388315
1.0522126992	0.8550742074
2.3465191271	2.2461542699
0	0

gene_expression_table

9.0118509575	10.0218445389
0.1166436067	0
52.9643351561	76.8749699934
26.5021459386	25.1284360768
922.5541091396	773.1277865291
0.006312	0
0.8807610488	1.2210743499
2.4978587832	2.0310822324
0	0
1.4943556711	1.2153729531
0.2229882214	0.3747244091
6.3495501349	3.5851909711
0	0
2.7144410366	3.5007085606
0.4411872903	0.3160708692
3.0047830407	3.6355964929
31.9157820195	25.322639601
0.1953996155	0.2626901278
40.212325344	42.4608240117
5.2759135777	2.8644000394
25.4553504078	38.2007516671
0	0
10.1947512675	11.4034514891
0.115543902	0.1398007773
32.2076767519	35.004838346
0.62485202	0.3693255999
1.8481425928	1.5692175915
0.4025493511	0.3320857694
19.3323022043	23.4258208028
10.4899324424	7.2297065546
0	0
0	0
1.6848356627	1.1325244791
1.1811413715	0.5762524134
0	0
0	0
1.1032789483	2.0394265866
0.1651707268	0.0832692004
0	0.0823589899
0.7179428279	0.6204751348
0.2398473672	0.1319091225
3.0477467196	2.2762838355
0.1739785179	0.2631286856
7.4885187201	8.4814132121
3.3036305593	1.7634630862
0	0
0.5678038965	1.0877604891
0	0
2.5450335895	3.4040200193

gene_expression_table

2.7853395761	1.3456932035
11.7442756885	16.3873203613
0.5890776623	0
0.4741924783	0.318745977
4.0146275918	4.8349560456
1.9614219176	3.0763649918
5.8268106481	7.2204920798
0	0
0.0312482433	0
1.0673286435	1.0761665153
1.8601435423	1.0099094986
0	0
2.0592716451	2.8475289162
2.3472145509	1.8751152745
0.6575907113	0.2946825792
11.7877689558	10.9711163052
7.1147915617	5.1810089067
0	0
0.8479595098	1.7099618498
1.0429886609	1.0516249888
7.2528595907	5.9259835926
27.9472845033	31.433999129
6.3488849856	9.6021841156
1.2029972465	0.2021597507
26.4888055495	25.7427880047
185.0718177299	213.7626495282
27.5318132442	47.1475742961
1.1440411528	0.927334971
0.09652765	0.1094928011
1.1941192682	0.8026713418
0.8406723854	1.4530859321
20.8297666541	19.5020844072
1.7477009223	2.17254147
2.6598000884	2.6330637665
2.2275638641	2.4501915363
5.775774586	5.3383001041
54.3191375651	57.3593417936
4.6724861266	5.8104504271
25.5636358492	34.6829567374
2.0230657313	2.110155989
183.9152418485	333.5118559378
29.5442095418	38.5502718256
41.9256600474	39.0436461191
155.8549773635	131.8209609605
0.0362558409	0.0182780263
1.9134845362	1.8991831247
73.047046177	79.8541679262
7.38608172	5.389450854
8.1369288031	10.8402270144

gene_expression_table

5.9312241621	5.4921461043
3.18537275	3.2117488023
0.6455689561	0.1859755724
14.3327200825	13.745305776
0.1397039073	0.0563442827
4.7401852979	3.5694520287
4428.3141202349	4270.9442222797
10.9267049683	9.6951202347
0	0
6.459743709	7.5282820112
0	1.6759008314
533.0395712203	523.0250565518
8.9268378033	16.5013846941
3.2390421265	3.1505968427
0	0
0	1.2433755579
0	0.0119674875
5.6748588945	2.6926347309
24.3931096984	31.3294644349
17.0612688473	5.3757944994
3.1957326945	2.8641729164
8.0156551181	7.4354654622
0.2864143799	0.2475308535
0.0706320854	0.4273016694
3.2251068673	5.8532614787
4.6451072258	6.4311713145
11.8610141406	10.8269931059
1.1951669499	0.8676456262
1.3279042012	1.1901330969
0.0450589298	0.1211520913
8.9984294308	11.2504452529
0	0.5412886228
3.7780678146	5.1229211159
4.2975518353	0
0.084392755	0.0680732463
0	0
106.9447089179	133.8496145817
0.4436758641	0.7668851361
0	0
0	0
21.9306727005	19.0505682318
2.8472184113	4.3061916328
15.2593158892	22.7707895428
0.5837554709	0.2615951911
3.4812534442	3.8610874466
55.2920972111	52.2456543218
2.8312755709	4.4682567166
0.4264843296	0.53751972
3.0431527861	5.3318889792

gene_expression_table

3.0630116353	4.9413991885
0.3676618004	0.6796279869
1.7306155508	2.3139497074
2.2292565243	1.9832784567
15.5608355914	17.8136161636
16.5541050375	20.0294149036
0	0
12.6711163181	24.4411157895
0.7119014147	1.2920331941
16.2921479097	1.6427052858
0	0.0515898557
9.6584526254	8.6563805763
0.0144189493	0
0.6735018746	0.6173442879
11.5977280474	10.2715472465
0.2457171847	0.3096897661
1.1197774733	0.8088713843
38.9896187574	40.2548892276
6.3134957606	6.1005332406
468.4841581645	636.8849142378
898.4384146451	1073.3228807686
33.6739712791	34.1050588135
0.2669853131	0.1076784197
76.4701807332	73.3422412428
0.5992582855	0.3740411774
24.3595278607	28.9959008575
6.2242491265	5.4101622306
27.4515941645	36.2461830395
0.4896428571	0.7240893428
1.9062344747	4.667759928
5.5318520131	4.8706307309
130.0686924933	146.7133649645
23.5486505984	17.8077315335
4.0619409522	5.0407080739
19.3156653768	21.0654515566
4.8402140624	7.002159244
1.7633721149	1.7187076987
45.6108052323	67.9469425282
7.6194265509	6.6581824328
1.1137601694	0.9982066767
7.7449020657	8.1299518413
0	0
1.7801564275	1.7168577841
4.3404787571	2.9839223931
0.0436973108	0
2.2196010298	2.9839735183
0	0
0.7827721639	0.6457531123
2.9902077753	0

gene_expression_table

15.9835921165	18.8019324612
16.0836551299	21.2654705821
0.8721790781	0.8490768663
0.4706055564	0.3882291895
0.2912726674	0.2936845117
8.8154706357	6.7486500801
0.3044802322	0.15350072
14.7378826782	16.5967912434
3.4170000423	1.9810440807
1.4352710628	0.7792376483
0.2986227173	0.1003651409
3.2380604325	1.5068643499
7.5135052463	13.6053743704
3405.2259369542	3398.6183744818
0.7233585948	1.0210875762
0	0
11.2154634205	10.9313871773
0.6928921512	0.4657530345
1.3618966502	1.2968862277
12.5834884997	11.6624169648
2.7088730032	1.5607448361
15.1650001878	11.0431908456
0.1408508589	0.0568068622
47.7850756565	43.8843806432
1.8036566106	2.3202719744
0	0
8.2286100534	10.0434293157
0.4223680946	0.3097203324
9.188391962	11.0172137639
0.0857532554	0.1441055395
0.009898	0.00998
4.3832810088	4.2814644243
0.1112319743	0.0841147618
18.7945727375	17.6139667208
0.3801529864	0.1533203169
0.3242236747	1.389360553
0.7954562718	0.9357167644
0	0.2775275112
25.6430886605	31.7806238836
0	0.0508498194
1.3041098689	0.986181282
4304.7612157957	4503.4159619546
96.3584498946	97.7073142242
0	0
0	0
9.1437024703	13.1012749045
80.9825799856	114.8442140302
0	0
347.4849105686	287.3542944341

gene_expression_table

10.173582951	10.3338078227
8.7683053408	2.2102275296
0.9895411311	0.9977348939
1.5222804075	0
122.664190104	105.3569471631
0	0
3.5576216128	2.2603517947
25.4223478397	28.7588120124
0.1899335314	0.1915062506
4.1826252504	6.3258883777
31.9193628557	30.6511112984
1.4051604811	3.5419893105
5.0650468176	4.7286919066
7.6521756575	5.1022109255
0	0
2.3973539506	2.0143374323
0.2905553629	1.1718450706
2.2775494744	2.2964084177
1.1442328472	0.4750560352
0	0.6721454764
81.6231939066	92.4708582337
45.8335731726	51.7905340646
224.845274751	172.0544772638
4.9930797366	8.1809394297
32.3933857926	21.3989890617
29.1505247354	43.6679683141
1.3038145542	1.3146106159
43.7528994944	60.8074233879
641.8281357556	740.7769089314
8.3521160206	13.0146971065
0	0
11.1064097253	15.7606757331
0	0
0.0969006879	0.097703061
0	0
5.6641860023	9.2805172453
0	0
35.8434015644	50.5962772684
0.830469504	1.6746921909
0	0
7.1192858793	8.1145278468
0.083100289	0.1256825847
7.4587042955	7.8623044197
9.7838315044	7.8918761683
0.5598575544	0.8467400698
4.1921607343	2.7350357033
9.8738758317	14.9334527065
15.4081863372	11.6518288198
2.4979370884	3.8283038011

gene_expression_table

0.8296318547	0.6482886703
0	0.0190999674
0.5119878832	0.3441515535
0.5785211605	0.3499869165
0.0592755854	0.1792992267
0	0
11.2736120836	12.7878319327
2.3275228801	2.6727394578
15.4650686847	9.3558750684
0	0
0	0
4.3706637074	3.7877095692
0	0.1706142503
2.3885093386	1.9266296562
0	0
0.4299156297	0.866950977
2.1349816019	1.6593421072
4.8408605567	7.0800515859
14.1417222192	13.0705857841
3.0948196002	3.8736569039
6.0076838814	6.858412143
34.9950022659	31.6794618087
0	0
613.1564157188	704.595683568
5153.9932260749	3021.2660500407
3.1788728079	2.0180857649
7.9320781898	10.312899377
0.3011430895	0.2732729981
0	0
15.3771520409	17.7194062722
23.1636405966	26.8675408641
0.0750426207	0
1.8689874552	2.133354742
0	0
11.2477569885	9.6142514555
1.4360170457	1.4479077925
0.146159091	0.2947386835
4.2108092058	4.8380961888
1.1354933252	1.1448956255
0	0
22.5587795249	19.496206694
0	0
213.7775020244	212.6544008341
0	0
0.027085793	0
0	0
0	0.2567135615
15.0318944872	28.5805722568
0.1039182946	0

gene_expression_table

1.1697605683	0.7582156804
0.6852299996	0.3454519774
16.5915601946	18.19837869
0.2572616819	0.2593919028
6.3773067063	8.4203862548
5.2355826837	10.5578704493
0	0.1760361599
0.4058967269	0
16.8948403387	5.286642145
30.4362807878	28.0728238501
1682.6702226679	1527.8803631204
2.3748020483	3.5286871472
1.9332489793	1.5882834721
7.222447757	5.9168299678
0.0920972707	0.0928598698
0	0
6.6013481437	5.8880086007
44.9158074797	90.0093570265
1.7780936572	0.7171267694
0.3735536763	0.5649702562
8.7215022539	8.7937194848
16.9226366356	15.9252447769
3.2518569872	5.1523741552
2.4498721872	0.449119641
0	0
0	0
1.6608591552	2.4188835333
0.9108344934	1.1807698325
5.0686469904	6.9845102317
0	0
5.4600095507	6.1606038126
0	0
12.7483194596	15.0958360617
0.6231487371	1.0471810612
42.5385119086	34.7762808302
4.4423765581	5.8993828622
8.8955505157	8.3285511492
38.4629358108	52.7427352767
2.5761275487	4.2379591399
6.2221177533	8.4778907645
0.6896209212	0
0	0
0	0
0	0
9.5526539645	8.5372359999
6.2687310242	10.5963643959
0	0.1151757892
0.5590347274	0.3355141307
1.3277170694	7.6975885529

gene_expression_table

0.6659185031	0.5895505335
32.9293392293	28.1713992093
20.411613288	19.0964489471
3.3876890981	3.0561887823
0	0
0	0
1.0948174693	0.2759707397
3.0022265564	3.342407559
0.1505703635	0.0303634282
11.5393304143	16.2403537434
26.1922577353	19.4099957628
0	0
10.9799885239	11.9478103605
0.4411650503	0
33.2300998773	34.2181350815
13.3783361968	12.4281721889
0	0
19.4157252558	28.9198215201
92.6046534636	117.6082993672
0	0
5.4529350601	6.59770483
153.9726801888	144.8977883155
0	0
157.596981755	165.0728916691
0.8043088735	0.4054844227
0.6956197984	0.7013797849
1.9809547811	3.4953761706
1.6751949582	0
14.6996641652	15.8971282882
51.6932648556	44.6754034367
2.2100529056	1.3062758687
12.6615857014	21.2773804424
194.0498988682	202.6983324732
103.8059970482	61.7382038409
1.971171203	1.0305520411
40.4600784112	36.7155924028
1.5997902393	0.806518544
61.3845673939	69.9160018311
0.0899772632	0.0151203846
0	0
1.186569319	1.2884248971
1.7329196024	1.6281368466
2.5169727455	3.066525493
3.7302378005	2.7860189147
0	0
1.0056747484	1.6160658523
2.0863678623	2.1036437519
0.53522148	0.5396533098
13.5854546626	15.0025135998

gene_expression_table

2.7859227278	3.0970928479
0	0
0	0.4563333274
2026.1914562461	2147.0415453733
0.7608118507	0.7821530562
27.9889365557	29.5592261923
1.3158326513	0.4422427424
0	0
37.7993111363	51.7238401493
19.9694215695	15.4882889918
3.7782077065	3.8094926492
75.9204802702	99.3069789864
7.2323888811	5.0845225122
6.9614384233	9.1787991219
0.3471772316	0.4083939838
0.0498048949	0
1.7551034181	1.4842111044
77.6765381663	74.1794783776
11.4776908106	7.1830739741
4.5626109451	5.9680748546
4.2996131711	4.2685199181
3.1084768018	3.886427998
40.1509419198	30.0733876226
1.0451051526	0.8916422357
3.637968647	3.2448509329
1.0996686411	1.33052916
4.1856604821	3.7379970792
0	0.0819162184
29.0460086836	44.6619434071
4.159191974	5.8615532674
0.4946655458	0.3520669818
0.3399601488	0.1613059498
0.6882689496	0.7237095571
0.1879427543	0.1326492923
8.7915259918	7.3579674948
15.4157863627	17.9816205541
0	0.6467122703
0.8557960901	0.6598512432
17.5544330873	16.2248077004
0	0
0.2375517243	0.2844285032
2.0143834508	1.6925527359
75.3426711377	89.2606798373
2533.4306544696	2711.9007609635
2.2796750756	3.2836451709
0.0149819676	0.0151060238
55.9169790759	60.2772266085
8.3413615723	6.2057549858
21.7089799451	16.5500215999

gene_expression_table

0.0439305299	0.1107357268
3.3504649027	2.7545388132
0	0.8578868745
2.4790874001	3.428043636
18.9219392118	22.1138547616
0	0.1310322987
1.4451095977	1.9206906086
15.2811302572	16.0703588179
0	0
5.2758744323	3.9196762343
0.5685612732	0.617366797
9.9179579355	9.4546232251
121.0171695542	95.9490468208
5.128848273	8.0155413717
2.6604393946	1.8973559851
0.649285239	0.2182205195
22.7163282083	17.2504380062
86.3238127262	60.0858223317
0.0524165641	0.1585517774
15.5910880556	14.605281023
2.0219363004	1.6988988942
12.6262371357	13.9549011353
0.4810837824	0.3811243325
56.500617046	56.9684628356
12.5172727953	11.611246764
2.318041851	2.4774702512
9.1702259623	6.9932876125
0.6126566483	0.2059098899
0.0940102986	0.1105868614
3.2008360572	3.4646445743
5.9928650235	6.9488613603
0	0
0.1368489309	0.2069731353
31.694186039	30.7582520439
46.8719180722	104.7384553032
4.7111361958	3.530514014
0	0.1572660909
4.7672490758	3.6050427323
1.9269227146	2.2417827
1.144698977	4.6167100142
0.1133249697	0.0571316709
0	0
0.0279195098	0
3.9942486956	4.0273225368
9.298364331	19.244156287
0	0.1852722436
15.8028213218	7.7392133123
0	0
1.2625030307	3.5006317991

gene_expression_table

46.8669431009	35.2340050548
2236.5707024498	2441.526993773
0.0510194332	0.0257209464
199.4080502274	239.1546533832
0	0
1007.389582442	979.1693862007
2.6320663183	2.211550659
0	0.7204865628
3.6118468548	4.0059296957
40.8672304929	33.984021542
0.0803668947	0.1296517792
2.1717845136	1.8065583395
6.0704922241	6.6672543825
41.5667058115	31.7640454863
15.2062079992	10.6238318513
4.9717018677	12.5321734473
0	0
44.7237087099	61.4674676299
0.4979627994	0.702920559
1.1009021921	0.4440072261
21.6468936942	19.4490337698
4.8995927547	6.2874804059
0.7611460538	0.4997339862
3.4354569719	5.287011083
0	0
3.4708921641	2.6043776161
5.4688589369	2.6039009039
3.4533043869	4.4767273001
0	0
1.963809873	2.2275798047
0.9541213143	1.4430326821
117.4847966319	125.1881599858
2.7668590681	2.7897696739
39.8240946672	32.4319579883
0.1439051505	0.1450967378
20.9781258137	19.5320974624
20.8593152027	22.1473733143
0.5835253949	1.7650715962
0.3590169805	0.2714923294
628.7261697011	415.3349240605
0.9698931691	0.9779242395
1.9835025451	1.466612893
48.2664559684	35.8538080721
0	0
3.2908989699	3.2555422364
0.9605187733	0.744978631
17.3606062756	8.752179225
0	0.1036516298
0	1.6132612144

gene_expression_table

0	2.4619679728
0.3508619788	0.2358448296
0	0
0	0
0	0
7.3623730386	10.229719373
9.97260488	12.1822393656
3.6273421373	3.1461314907
5.0411689362	5.294699646
2.2498886597	4.2648148953
8.691454359	7.8691959678
14.9744875124	16.56257695
11.1508177012	16.0616436474
0.319815868	0
15.5081753507	13.4154823668
15.7066531509	17.6781878935
3.3543428681	3.9417490999
32.3720078022	40.7539730651
5.3684336329	0
4.1999628496	2.0326752381
16.9723460329	13.9605100363
0	0.2473928441
0	0
1.3050459154	1.5351608689
43.3324112941	57.7205101918
1369.9430540695	1405.387651209
6.0779532052	5.2090387501
40.623083758	62.8045018993
51.4672423938	36.3724203014
4.8946423425	2.7273317691
2.027988978	1.4871137957
98.2367491307	122.9963840312
0	0
14.7314631852	13.665169485
0.8706226245	0.8778316985
4.4233534984	9.9693681416
22.6167913376	16.0619947695
21.3576567778	22.4341198207
3.1476750408	2.4837956939
3.6030319595	0
25.0249853223	22.4479584518
0	0
0.6475084426	5.2229603958
95.1915267299	99.8577170059
127.6935517303	159.4973849165
148.5570051571	118.7597812883
3.7394821624	3.7704464434
84.5055538841	94.6725453345
28.1339982542	22.9637279513

gene_expression_table

82.9414559774	100.3538899095
0	0
0	0
0	0.1945580535
6.7904765554	4.7926929307
5.3040567684	8.1141709376
0	2.7869997503
3314.4178305636	3999.4388766945
181.2241670228	170.1192814627
14.8288681303	20.3886226174
7.8056533758	9.8378588034
23.8803928873	15.7753273911
2.5812862714	2.776170951
128.9066303078	160.0967596555
14.4405286632	7.2800507631
8.6073956889	6.5532799755
15.498371659	3.9066759623
9.2159184815	20.9075167344
2.6824487849	3.7305661279
0	0
72.689890432	54.9688419981
4.6040113661	3.3158101896
3.0855547006	4.1481389639
0.9406379793	0
0	0
6.2630456224	4.6675391675
2.7275087429	3.1308756925
20.6882146489	22.9841014442
0.8459412111	1.0235350968
74.9073730463	86.3680703229
0.5988813263	1.2076805658
137.3122591018	159.9327599318
24.2755702449	21.8540900464
55.2886447244	5.7668746489
0	0.4444094373
17.064745321	13.7648381266
107.1993977239	88.9103136563
92.9401948556	60.3907430428
4.6781597167	2.3584482957
104.8604454006	143.1404321189
46.0611605704	58.4832285384
32.6589111187	57.3214417134
0.0813042966	0
2.0549563041	3.4532868241
6.6548990723	9.0439185325
33.1883594664	23.7480570022
32.6055335804	32.565372924
300.2665177776	216.2520246062
130.9146823922	115.3895954448

gene_expression_table

4.6688996423	3.3852115706
3.1893893208	3.3944541113
6.0791449967	7.0051229056
25.0156021182	39.5383499102
23.6040718076	16.7478118916
12.6503736711	15.6540150762
69.6072104683	109.0690826973
13.9861823594	33.8447833647
5.6857608096	0
34.0458823273	36.2893829628
2586.5878506066	3149.6684763591
67.3140382987	53.217365898
13.1879911774	9.9363636798
26.2274998631	24.6578709211
2.2650059289	10.2769245317
64.3495092265	65.982047508
10.6294985932	14.2900196429
63.4667341276	76.4551743495
2.9913729426	2.2621069541
0.5922961508	0.3981337198
49.9729686479	73.9856268589
44.2760889448	34.034542177
7.3339568673	9.8595796194
6.7439473749	6.9543304032
8.0646816761	10.2998495768
111.7623579817	192.4555535326
5.1604279281	4.9553887239
86.5861755885	103.5455856175
28.7882253565	25.5233917651
540.8547889353	800.6483838651
2.2842721742	2.5795691979
1.3002811814	2.9498579674
0	2.757871962
13.3467259898	12.6937103184
0.7809782595	0.9449340544
0.1170062809	0.1179751357
9.0268040869	9.6887460596
17.9064205194	16.2123767012
109.9906725287	142.6931804156
5.5599095775	4.8825995782
0	0
1.7244481819	1.44893937
13.2588257255	15.7992706838
77.4609257079	62.6535178938
0.5503839447	0.933033217
0	0
4.4486000273	5.0236883914
6.7510534657	6.163053543
0.9489967465	0.758884831

gene_expression_table

0.7225506772	0.7285336613
0.3863413455	0.1947701966
3.1472860344	3.0464128461
28.2088939397	20.2153120327
8.0993271251	6.7184505823
58.1802916185	57.7732268536
1.0210853596	0.8579502667
2.1202769074	2.0042189777
7.2033812593	7.0504514665
0	0
0	0
2.4143178424	1.9271615116
10.5335621502	13.8070190704
17.5952052897	17.6786512577
89.7463557635	145.5294865606
1.1218012803	2.2621804111
0.7182018987	1.9914094015
0	0
0.1749990903	0.1764481469
0	0
0.0267940406	0.0270159051
1.5175556033	1.5064598462
0.0120694214	0
0	0.0139443374
25.770112541	31.1043339771
2.6942459623	1.5463468659
24.3786784329	34.4990074575
0	0
0.2008060547	0.0337448004
0	0
0.9622752832	1.2778813863
0.0941345411	0.0949140095
3.5684196289	7.6456808304
1.9347206265	1.3192060231
1.7830126672	2.5468502751
5.8334803154	4.0994249804
15.4920258119	19.4687865104
49.0012346494	47.485600143
0.2472690799	0.2960634131
0.2263788838	0.0760844613
1.6377844821	1.4207110297
5.2589586053	6.6089189107
8.0722591761	11.1377163871
9.5919452535	9.4295858193
3.4244403593	3.6283618762
0.1815532962	0.137292468
14.620774412	15.3026706367
0	0
0	0.1043690646

gene_expression_table

0	0
5.9247875604	4.5443907307
0	0.0104089487
12.4166142031	17.445105027
0	0
0	0
4.7629037938	4.6244778479
3.0995655051	3.3290504578
33.4868488335	33.7641321987
0	0
0.4558073958	0.6893724717
1.5243963652	1.3833170325
11.0434343129	11.1348779911
1.1736293579	1.0012939864
0.0182405605	0.042913731
0.7529876898	0.6073781628
0.5619636173	0.4249626613
8.6453949169	9.0959811665
0	0
31.0855211909	49.6899962068
20.3010688365	22.78020434
4.7067684909	4.6544779826
1.742760521	0.988420059
0	0
2.6171186497	3.8133724144
3.2167611672	2.0721703867
18.4425213834	20.815558445
51.5972410185	42.6906803873
0	0.1052947452
0.4072124763	0.2052921723
0	0
29.597812583	30.7206254607
0	0.0592198356
2.0404977428	1.074757961
98.6454046048	153.5998912491
1183.9178874772	1118.7751916425
7.2734273261	11.524313376
625.8754500243	669.2101228177
2.3469459172	0
3.0978398102	2.9985514154
20.4259229394	23.9092041703
3.4856793022	3.5145420026
0.1917379817	0.0552358978
0.1882532533	0.1355800422
1.2976931893	1.348698212
27.2633906755	25.1037201569
4.9410642786	4.9819780993
0.4085996006	0.5149786935
3.1481894997	3.7033006046

gene_expression_table

0.2732445434	0.3306085299
0.1210810286	0
0	0.0726082557
0	0
0	0
0	0
2.4016074689	3.4216758208
0.0670382259	0
0	0
21.4526208411	24.0336182153
0	0.0378539556
0	0.1417072395
12.9003148558	16.1603788354
4.5593071701	5.6186287694
16.021081085	12.2545625176
27.9723647189	27.8682243975
0	0
0.2910455549	0.3301374585
0.794486694	0.1602130669
0.058868015	0.0593554637
1.5505434907	1.4431223615
66.5679473726	63.0336405996
7.9672210396	9.996861835
1.1212551259	1.5073860383
0.1866940685	0.1254933091
5.6326368723	5.3128721888
0	0
0.0553100522	0.0627390446
0	0
4.1458835035	3.184924142
0.8278557952	0.9738292015
8.456639652	7.1891478454
8.2663795599	9.2358907173
42.0184493383	38.7607283314
0.3105693442	0
182.8520411364	188.053445424
0	0.1527635514
1.4547120983	1.2754414321
0.1443718361	0.0970448585
13.5688681539	13.9171065099
111.7533458628	139.1913408167
0.1058312821	0.1067076039
3.2985058682	3.6376142077
3.5607838606	4.3083221452
0.1226076707	0.0561922305
3.3665443705	3.445083584
0	0
0	0
15.9766808516	14.9302682303

gene_expression_table

3.9840699375	1.8746277642
3.6140089089	4.7104515598
3.7003580998	3.6179378612
1.2701366875	0.2328461608
0.2358659495	0
0.0875261481	0
0	0
40.4261643707	45.9423791401
8.0186658516	9.3100729368
39.066484157	21.7092442481
11.0115134044	2.7756731914
2.7847894776	3.2446249955
2.0357762648	1.894738373
37.0914002385	41.6726483925
3.4466597254	3.2435193742
1.2834458577	0.7548760678
0.4012948729	0.4720540315
2.3006846906	2.319735202
1.9136335925	1.6882942817
0	0
1.4156226524	1.4273445261
0.1058363401	0.085370163
5.2108904468	3.9993427594
0	0
19.4885384262	23.64129876
0.495409144	0.499511313
0.7655679382	0.771907121
0	0
3.2310448939	2.598482638
7.2781529629	4.261017329
0.4317370329	0.5223743683
0.5337825125	0
1.1593591476	2.5177579876
1.2701488171	0.9147615102
0	0.372298212
0.3901107847	1.5733641791
0	0.4180098272
0	0
11.1897432134	11.4328303613
2.5163845268	2.5372211117
8.1801945341	10.6917605134
0	0
2.8180006875	4.735557941
0.4790751625	0.12076052
0.2921510296	0.2719109049
2.1874759651	2.9407854224
21.0441915919	21.6797157488
98.750307909	98.8447423906
1.1870889224	1.1969184532

gene_expression_table

3.5989780418	7.9833135741
3.8616284227	5.0184230874
44.7137851771	37.2694661926
13.6038331304	18.7220171575
0.2111053491	0.319280068
1.2547533934	0.4217144036
41.3562366399	23.2911553858
23.442810087	26.7797849868
8.7327850896	12.4307234068
1.5071629524	1.1872209479
0	0
0	1.175098125
5.5495750871	2.6795484282
6.981027589	12.8759141208
89.8239681773	120.3975955408
4.6961181829	5.1467432178
11.0857708637	9.8625574447
1000.9973514805	990.0247931903
0	0
38.0268892756	31.4276769159
1.073226415	1.5149583716
0	0
0	0
6.2574596618	6.7599361266
0.562146508	0.3542508043
1.0430516434	0.7011256618
0	0
1.1020389865	1.0256900979
2.6672923928	2.1305466436
0	2.6830937359
0.0355831916	0.071755667
14.4745267156	12.1619842456
34.9837313231	40.10928007
0.0153099745	0.007718
0.1120186204	0
0.8055566492	0.764448897
1.1290164267	0.9676103316
7.5431914974	12.2671804579
1.6508982069	2.6355663931
0	0
189.4868830311	172.2976877715
6.9901479595	7.1420026624
25.0532874165	31.4596918693
0.3215977586	0.1621303529
3.6288195873	1.5503676024
21.4527640878	30.0034592111
1.9991599244	1.6255755648
0	0.2068489954
0	0

gene_expression_table

0	0.0318557078
7.6160900433	10.1988764813
2.3795795378	2.0357555505
0.5533829344	0.4742703755
1.7175813794	0.7871834463
1.0948174693	1.9480287507
0.1652738488	0
1.1755094061	1.4007417914
12.7837700337	13.3054186619
1.1915012924	1.5670009033
0.4092201077	1.5679126799
1.1935416814	1.4039954173
0	0
0.1151011059	0.0580270926
0	0
2.2747375461	2.5165594894
1.3149311216	2.209698721
20.7765752441	19.5861014842
0	0
0.7327050425	0.5910176868
0	0
12.2329569504	8.984207017
1.3691510022	1.6565856884
0.1833936955	0.2773683937
1.7499486255	0.9048404311
44.21228327	73.6218653066
29.0691114132	39.5449875417
1.1789422281	1.0188894011
1.3531282023	1.2790618116
1.3431900192	1.0670337948
0.9330093408	1.2543133329
0.1472819729	0.297003043
0.620844733	0
1.6140516571	2.8479790423
14.1991179421	18.5332517601
73.3457970867	72.5836247783
0.3257312361	0.2886189058
9.2364147272	6.2085970812
0	0
1.5527629642	2.9355382686
0	0
10.1618577178	16.1694713053
2.75187936	4.2133815949
4.752601806	4.5257353614
0	0.3803275996
2.6278617395	0
0.3883759064	0.4755043299
16.8256199518	21.5165121137
0	0

gene_expression_table

1.2713264951	1.1653214035
3.8060783813	0
506.2407741473	639.7422334254
2.2207996109	2.0152697801
34.253212486	48.010005113
6.5861874529	5.9028653295
58.0659851131	60.2561881312
0	0.1299339842
18.8023660287	15.3222648436
0.0492088191	0.0330775241
0.9724109224	0
0	0
0.5294357635	0.4396162115
0.3975999635	0
85.4965971233	127.9846548364
11.6384136725	10.1405260381
62.2781054901	57.2734577241
2.9478010809	5.3499779151
0	0.0630711451
0.9227840347	0.7975071636
5.3561405365	4.3619353135
8.6073885914	9.2259638603
0.231727245	0.274877684
225.9198666781	241.1463645158
6.7621855265	9.3301395443
1.6825228818	0.8351777413
19.7857218945	18.3210198188
0.0944321311	0.0238035159
6.7360574101	0
20.3171165033	9.6736373416
0.7415823121	0.5607921638
0	0
11.4970864224	10.8677685996
16.986648048	27.988520699
0.1199278759	0.0744128755
0	0.8080902672
75.9348069916	83.3191845449
0.8482153009	1.4661237155
205.5436825421	228.0841861061
29.7199871147	26.3215563054
7.5035179556	9.3748269642
0.2848768033	0.1615700742
19.4472843349	12.2327102548
0.0329350815	0
4.5572094194	7.3967403798
0.1276144527	0.1286711471
3.7612690428	3.1270779856
2.2424020454	1.9108197408
3.8706857622	1.9513682285

gene_expression_table

4.284452543	3.9876271184
0	0.2917393075
0	0
29.7161720797	33.4547630721
11.2535844448	14.6059463554
4.7674768106	3.1430079031
1.2404113809	0.416894147
1.028885824	2.0748107505
242.8438185035	288.0008487805
1.1388310481	4.018913451
0.8736833775	0.6498573903
0.8769754168	1.0223991402
0	0
1.1959348734	1.2701489933
3.1986917063	2.90266024
0.5716628264	0.3602477524
2.8571375939	2.5853295093
0.00643	0
0	0.004238
5.2723614019	5.2834048738
0.732032539	0.527210026
1.1267407185	1.3885306649
0.2108873002	0.6379005728
10.9443593942	11.4947736415
2.4369437163	2.4571225022
8.5074040624	13.5990280811
13.3080411818	20.2410688205
9.2509437556	13.2738139758
31.8343975232	33.8648602612
2.5353464723	2.0876777231
0.0475649748	0.0239794151
8.8753931917	11.8125277986
7.288365639	7.8441350286
45.5600005642	59.3356198079
2.5340964965	2.2412980202
3.7025120254	3.4923204912
2.7979548172	2.7523150314
0	0
0.0683062193	0.0459145466
21.3932811666	18.4067629782
1.4355690096	0.8514447332
3.3797888199	2.2326799813
2.2062056026	1.4155742316
5.917415284	2.3865654594
9.953991753	8.744598727
3.1113837982	1.8941266082
86.1688378018	59.8021351672
23.9063060216	13.0036134002
97.7666316455	136.2485987607

gene_expression_table

8.7039230103	9.5073275685
48.0003757507	52.4309894671
3.1857863219	5.4874499061
38.4013677499	30.9754761045
83.8463930239	110.1943929601
102.6573987023	107.9593724217
1.1167605362	2.6273513519
91.1390230572	72.5032763974
0	0
0	0
75.3080805997	79.3830981201
1.7956876735	0.7725041599
0.076804443	0
0.3744282153	0.2516857453
1.8991344696	1.6051032337
14.6117671261	21.4852719464
2.18121777	2.7167564754
0.6986354246	0.6083630569
51.7892466849	81.7754847185
14.4867176455	12.4803851326
1.0442448998	0.4589527617
0.9699536845	0
2.1170407175	2.3717450994
43.0157945823	36.8469927981
0	0
0	0
190.2225450367	147.7484345979
8.2232493282	8.6368133776
5.3998196147	4.8961619582
8.7034531122	7.5218750482
4.4928028401	3.0994770315
0.2888103495	0.2046282954
0	0
0	0
0	0
0.3619971473	0.4866594882
0	0
0	0
0.3321344203	0.4784065927
0	0
3.7955966477	3.4942407444
18.6406963053	4.6987620234
5.4618192843	7.3656728843
0.9981398698	1.0064048332
11.6279357704	10.2586919178
219.6875702882	131.0581094035
1.2202549057	1.0300680527
3.1447411649	3.1363157644
6.1589716084	9.0144727949

gene_expression_table

1.8174384695	0.9162437626
7.6943510789	6.9949749462
0	0
56.5642483737	72.7474918707
1.701532322	1.0293729795
0.8059413594	1.1608783554
3.6150083547	7.0754755443
3.0965486098	2.73191552
6.9092820431	4.952741421
4.7725292136	4.8120475024
0	0
2.8076290839	3.6396993604
23.0807310094	21.5480073242
11.6138790716	8.8475904934
8.6049162474	9.6401867817
15.3478733812	14.4924222863
7.8182504659	7.8204250411
3.6168816912	3.9941480141
40.8230082909	45.1964335987
2.9950037217	2.2648525866
12.5090411849	13.2329134421
0.8971333857	0.6784214839
9.4237592643	12.6081463343
2.9641689113	1.7494907209
11.2202632214	13.808723558
1.8121979167	1.5324933241
2.1100679661	2.291197032
1435.6039729891	1325.6727246496
0.8272379504	1.1121170446
2.2142896181	0
0	0
0	0
59.0461392895	71.5579588561
1.1673268375	1.863571824
2.9691701414	4.5619138391
0.0691193886	0
396.3486622914	512.5033319104
9.5532081591	4.4456825628
0	0
12.3554615264	9.8772313499
0	0
8.8668676203	9.2196725462
1.0958593588	1.9888802558
9.414967753	8.3063112406
0.8014539353	1.2121354009
0.3278654445	0
3.4369440633	5.3906272281
11.2328256726	8.8396781117
55.5185626572	51.5000145428

gene_expression_table

5.838003472	11.0801774638
1.4941515472	0.9586968802
12.9589130572	6.5331088003
0.783289129	0.7897750496
32.8005366113	35.3929887836
120.3503316791	96.6479547155
82.2658986486	89.2901031958
0	0.3727571902
12.4749619584	13.8749869631
11.1152451963	8.850611732
28.0922555664	21.9358013658
4.1317869188	4.8603328979
12.0226457952	6.0610988514
0.3721004176	0.7503630906
3.3445513049	2.2481636092
10.960977835	6.3152792819
1.3900453517	1.401555436
0	0
3.0761909468	3.3497959685
1.0561540765	1.6186471167
6.6508096903	11.0449801887
5.6290160659	7.6077545084
6.0680491226	6.7234008685
613.256149455	633.1849546696
31.9731570969	29.967631432
0.8943104295	1.3525734709
3.6356706224	2.3639111785
2.6804679103	1.3513315828
1.0188025525	1.0272386105
100.4066681408	132.9754042318
2.9405746023	0
6.3350385884	4.5624964476
18.9623808481	24.2868007082
2.3694012639	1.2863958012
0	0
0.8867177566	1.4116738488
17.520923672	17.6660033331
7.0718260855	5.9419861616
0.0384117008	0.0129099213
0	0
0.0475162997	0
0	0
0.2843012425	0.1194397337
8.5334565952	10.3249400871
719.9767094811	809.0277128316
1048.886722173	1298.0083305929
483.5470619772	551.492124526
331.4556347645	277.8743308626
1.3622054368	1.2590279133

gene_expression_table

4.7020186149	5.4450549882
0	0
8.3248792686	8.7935176644
54.3873729363	59.199811678
0.397633926	0.3376222993
0	0
0.0297517353	0
2.0482203974	0.6883934706
0	0.1554094627
2.0877001588	1.5592496891
1.1262998966	2.4334844399
0	0
0	0
0.5776386236	0.3667099484
20.1169918073	24.5036390288
1.968650013	1.3233007704
0	0
1.6287795075	1.0340195839
0	0
4.9782974813	5.4132074189
1.1905976249	0.9432155928
0.1624128856	0.2183436317
0.1295677449	0.1741874844
4.2532045445	5.5674258769
5.943205143	11.3190099964
3.4087912435	2.908245393
2.994813985	4.2584273783
49.9495401581	50.3631406332
0.1987536594	0.1502995594
11.0734004309	9.8463805577
10.9172900121	13.4788030646
5.8207343207	6.2475729141
51.2907205697	56.9925108473
0.1155844166	0.1553886638
39.0707193885	41.2480857985
14.5407886569	12.4449650555
1.296417949	1.0202167916
0.3324179482	0.8379262261
0.3131951315	0.4060137881
0.9977195533	0.2728084166
21.9826723448	26.9433242351
0	0.0333470456
1.1351264372	1.4306571245
6.1171553913	4.754351751
0.9532051506	0.7688784305
5.4405581804	5.766921224
2.6763838361	1.2992995763
5.1381330315	8.1410664558
5.3836905354	4.5306815995

gene_expression_table

0.0334183358	0.0673901037
1.0138484014	0.7402452476
0	0.0136139628
0.1786147067	0.257276717
0	0
0.3631488976	0.2441039356
1.9879290983	3.0369543618
8.2526404727	9.6011254113
2.0654854302	1.8953894478
19.9918231642	10.0786813887
2.158731414	1.8656627145
0.4091561307	0
0.2214138237	0.2232472112
0.2591121661	0.5225154193
2.0499010996	1.8897143141
0.3897561625	0.3929834862
9.1908742729	10.0759999715
0	0
995.2074589567	1011.870367587
7.4164599459	6.8547150364
6.1880112748	6.8430486866
1.6324482765	1.1395146086
14.2668994911	18.2210438785
9.5778845629	7.5984890287
0.4401297287	0.4437741639
2.0351091334	1.7279668058
0.5822608749	0.6150385037
0.0948103852	0
0.424722028	0.4710627701
0	0
25.5516793105	36.8369370222
1.2065475841	2.4330764794
2.7879760398	5.0240248119
0.3703231247	0.1166842299
0.1543977118	0
3.874419096	4.9482342254
0.6953677622	0.4674171079
0.0141419615	0
10.7036004424	13.4902877147
0.319204162	0.2682060744
0.0235863695	0.0475633465
1.5368519505	0.8608764707
0.2505866127	0.0842205205
0.0429626913	0.0866368762
2.2427352466	1.8501593852
1.0988260606	1.1284418675
85.4993922855	60.9299273765
1.5595344054	1.3365807329
0.1684112867	0.0849028969

gene_expression_table

1.2772060939	0
0.2335142892	0.1530411174
6.0257574241	4.4372745907
0.1185548323	0.2091888921
1.6856413243	1.6146190988
0	0.0701227289
0	0
11.9475348869	14.4127347298
4.8076361385	7.3721561283
0.3862959843	0.1947473282
2.9088621311	3.2713657175
1.0213902747	1.1671607947
2.879340817	2.0902916253
5.3116063343	5.7675567157
59.3293637324	92.6766618378
43.0200351748	52.5247037036
0	0
8.2334406854	10.5845611496
14.0754052871	7.7042040315
25.8706516541	22.8795259095
3.6296066767	3.1473085877
0.0853392917	0.0728080965
2.3274735539	2.4624305432
1.8732577666	1.0577106549
0.4734418807	0.8353837673
3.4379634782	2.7867387067
0	0
0	0.0904424578
0	0
12.6111561229	14.0309860542
0.1123969287	0
0	0.1714253796
236.0828900437	296.8470674727
1.3233557275	0.500367599
48.7953770637	37.1635108742
0.8014818265	0.4714023938
4.6225105612	4.1947079765
0	0
14.9062770699	11.5613126923
2.5806905875	3.1350116267
102.206717242	79.5497044896
0	2.6327984036
0	0
3.2863270955	3.3135390867
0	0
0	0
2.5635107174	2.5847375244
0.608359784	0.7102494192
3.9960336132	5.1572764598

gene_expression_table

0.7160804765	0.1805024712
0	0
0	0
6.6902685002	8.7338627766
2.1165926316	1.9401079939
11.7584240067	13.9592343303
4.9082392161	5.2316744467
0.6232259999	0.1713781471
52.320607835	47.9580378349
0	0
3.5712126443	2.7434541654
6.6800080591	4.7357725576
0	0.1664751227
0.1937589834	0.1953633787
13.5341314115	7.9602827345
0	0
0	0
1.2095759263	2.6317504194
78.4072390943	93.5401096074
8.9564362935	5.4183593186
0	0
1.8859504501	1.9558972904
4.0566436717	3.5789548954
1.3715801273	1.0372029846
1.3161459717	1.0782233654
15.6858158469	15.3364365027
4.1120739641	5.0976927561
1.80914739	2.3308299571
6.332528531	8.8834284314
0.0171298836	0.0172717253
140.5797399317	175.1448039195
494.4571204538	561.4385898742
11.4417627492	12.8603659315
0.148540306	1.9470135634
1.4621856596	1.0285765758
3.7887090875	3.8200809855
0.5864974097	0.2956769115
3.9101597559	2.4969402963
5.371333138	6.2709375964
6.7569789595	3.7588574998
3.8107204787	4.1195521903
0.6743078574	0.9518479226
0.5930702984	1.0763660477
98.4127869577	115.2644777607
3.1458857666	4.5313355032
1.3934678143	1.5703010894
0	0.0848272204
0.3103276722	0.2542290554
0.1091413935	0.0660270745

gene_expression_table

0	0
0	0
3.297220222	3.0991310624
2.3789562487	3.4540630231
0.9034907006	0.3036573114
6.095860212	4.5567664678
1.8971785651	3.0900496813
0	0
84.5621667262	18.6978886882
0.9030569886	0.910534631
5.4989814441	4.9047632898
0.0892353782	0.1799485596
1.8585413913	0.7027240478
91.7471771277	178.8466295158
154.9507880379	201.4594217534
0.8374326555	0.5463550558
0.04481297	0.0301226918
11.0458418634	19.4902845848
0.2455460262	0.2475792372
0.9525634871	0.7872549684
0	0
2.3392475644	2.4973595899
0	0
0.8781319463	1.3415200003
0.3126670748	0.225182909
0.0492089593	0.0165388092
2.4609905174	3.5629905513
1.0702226692	0.8632676037
14.5651427637	19.4697409733
5.3999618819	6.5681800199
24.5680211902	24.4455132218
1.65916808	2.6766505584
0.6228184403	1.2559512099
4.2625541894	7.8793911135
2.053083684	3.1051259525
6567.1156652842	6140.4888284674
0	0
2.665230929	2.4902313487
0	0
3.4134549111	4.5479865709
3.2766359245	4.1547381295
3.2009392794	2.2861063283
55.0952333996	50.9546186988
21.5035841941	19.4891161726
0.0427467487	0.0431007074
2.9108908498	3.5219929098
3.10524678	4.6964390399
3.1087453411	5.3286277136
0	0.0445367473

gene_expression_table

0.5158833476	0.3901162879
5.0450820672	5.0868571933
0	0
6.3978736711	4.671305467
0.6202309299	0.9172044479
0	0
0.5284415128	0.3623156973
12.8457692869	13.4702224367
0	0
2.9706981268	2.614077028
0.503934888	0.38108074
0	0
18.7438183659	21.3252501022
0	0
1446.5162494034	1508.2020265636
67.1357848551	72.0697634703
1.5102727247	1.359623514
1.2095798891	1.4454467002
14.3504794637	20.3352418293
7.4484412307	11.8428768871
89.8462169774	111.9795237781
0	0
0	0
0	0
1.0543930541	2.3920285828
4.4520742867	3.2264249719
11.7640150318	13.5559147225
1.1058287962	0.5574927317
1.0611757911	0.6538661036
9.2104458458	12.3822822782
0.4927904845	0.7795734186
0.2777928184	0.2427473053
0	0
0.0255511501	0.051525446
0.3154657939	0.4771169492
5.5648032361	7.9847164699
2.6834986221	2.5052953452
0	0.0275708609
0	0
0.4859592396	0.48998316
67.4247709857	73.0456420171
0.3847378766	0.5172315293
59.6125683058	85.0853747896
16.0839167739	21.6227966558
24.5286589799	21.4095878321
132.9869956389	142.6140144598
1.246459359	1.1311024489
0	0
1.3680860991	0.5517657411

gene_expression_table

0.129364933	0.130436122
0.3219799279	0.1623230198
1.5171160558	1.9120979151
0.2759851162	0.3514994198
0.8260609858	3.3316042926
0.4730528969	0
0	0.0326104959
0	0
0	0
3.9667621489	3.7774079252
7.8382229788	6.6386261206
1.3145308382	0.6024616521
2.6292029175	3.8984907059
1.8449783007	1.2520949783
70.8208269374	71.9998405869
5.7048097563	6.813964162
1.2390423089	1.1163975612
4.5419235377	3.6636258616
4.851638362	3.4094445206
1.1446231214	1.9235016997
1.7826719857	1.8460124369
0	0.4095175282
82.9356076753	114.406394895
4.5769781119	3.5099065769
2.5380846689	3.3268312206
5.8678084427	5.5346930738
41.6952819638	40.5367514449
0.3420208684	0.2122171854
1.1490379001	1.5292891079
0.1468449864	0.5922436665
3.1096142157	2.1555620347
0	0
20.7857222791	25.3912239818
0.3356509826	0.359582189
5.3204790432	3.7253712202
0.543426453	0.3793335389
11.1159023113	14.2406843944
0	0
0	0.0600653956
0.6133310329	0.7067538724
27.3990914214	35.5454094928
2.1108468021	4.2566507724
0	0
0.2832929084	0.999735371
0	0.1035314765
18.4193388469	12.1120811181
0.4076315222	0.1297916401
2.5397640367	1.9205956594
2.7245311519	4.180356276

gene_expression_table

0.0675946544	0.0170385907
0.031417561	0.015838855
0.0319354655	0
0.2452635042	0.1236471879
2928.6919024104	2815.8089886825
0	0.1077553685
0.7571614651	0.5725732794
1.339996898	1.161939604
1.065204816	1.7184401628
0	0
0.0436264554	0.8797539674
1.5212413769	1.1929849651
3.5960252543	4.2026337418
1.8826490485	1.7287525296
0.4334923258	0.6556227014
0	0
0	0
16.7839624414	16.546874465
0	0
0	0.1220528231
0	0
3.78928418	0
0.7733832662	1.5595743255
0	0.0604935131
0	0
0.5361834452	0.5406232404
0	0
68.543393706	66.9512406538
2.8306233109	1.427030954
21.7817594122	26.4358856098
3.2296076082	2.2961441894
0.0608141986	0.0919766437
0.3821973081	0.2040151986
0	0
5.4036435835	5.4483877302
20.3583283969	13.8333475443
0.0401811572	0.013504624
8.1668724416	16.4689942693
0	0
5.1580597066	6.461563136
1.0464911978	0.95466543
22.6605812859	18.728048519
0.1925537204	0.0970740679
0	0
0.0561628322	0.2265115241
0.9303029684	0.8442055957
4.1753041938	2.50587931
0.4883692092	0.426758007
0.2887221726	0.3175777068

gene_expression_table

2.074988727	1.5267189356
13.9459230498	12.4310931047
0.5301576917	0.4009106936
0	0.009457
1.2983125181	1.4960720239
750.4262067517	527.7564072649
47.1723310348	34.3510087569
0.4102932425	0
0	0
0.3629225367	0.4879035576
2.9538619912	4.2383799553
0	0
0	0
226.899964214	201.8913760789
3.2527843045	2.733098791
34.8501960838	23.2608748982
0.0742564236	0.099828392
0.008496	0.004283
7.3581472047	13.5663092239
0.1555412647	0.1306910027
6.3784842001	12.8626007679
0	0
47.6157504779	70.068687062
49.9375639739	44.0571821216
26.1644325426	28.7524169799
2.7554625949	3.0988494684
0.8616194209	0.8687539451
0	0
0.6629336532	0.5347383892
8.7237046535	7.4632219209
0.1269685993	0.3840598372
10.2024757927	12.315369891
6.0010103702	7.2771943649
4.3247778753	5.6228642719
0.360449812	0.3997779152
0.1729905679	0.8721149656
29.1116885628	1.630708
5.2251184191	5.9269323511
0.2581787844	0.2603165993
0	0
14.4308457401	15.0794416403
0.2692753284	0.1357525133
0	0
0	0
0.5230894041	0
54.0116798434	48.2350401708
5.1472652057	6.9198485941
19.153431473	19.0628414265
26.1626627081	31.0659766421

gene_expression_table

3.5632179674	2.7270063992
15.0173319544	16.5549045158
1.3173128345	1.4389057225
2.5862400719	3.6280418592
0	6.3748028696
0.1692678251	0.5973429863
11.8755140694	12.9716683119
9.9962888575	12.4892722157
0.1637027808	0.2750971662
0.1356016267	0.4101733735
81.538721506	73.2914540773
8.9308638669	11.6041426399
164.3422313659	127.6103911267
103.6140626328	128.6113944084
0	0
2.3009445683	3.1792554655
59.312204946	63.3211747544
21.4296033074	17.6939607852
3.1774206403	2.0824250501
2.2711549809	2.9634789094
0	0
6.4109824663	8.8146378377
4.6750186395	5.4389186595
0	0.0113585715
3.0672206666	3.3305120976
163.7360864929	223.1732466811
8.0308363531	4.8851688188
1.2655401173	1.8431389205
0	0
1.7859082622	1.9869751573
14.0351633749	14.3636503598
0	0
0.3138921411	0.0791228207
1.1716478822	0.6750568889
4.1303790034	5.2057250667
0.7930688089	0.9734695587
0	0.0132058855
9.2819679428	8.951920555
3.5180478283	3.4665608576
0.1049248291	0.3173809352
11.1271817182	13.5405572395
0.00522	0
0.0939229706	0.07365609
0	0
0	0.0428462232
2.0987451848	1.6752644875
9.2731845052	12.635094415
0.0732610258	0.2092916862
12.8827148887	11.5851302689

gene_expression_table

1.4059038917	1.2825409772
4.7136901092	5.0738509986
35.0386411354	36.1317005887
0	0
38.8802868372	36.4474785569
0.0780917882	0.0787384168
0	0.1449156385
9.8095230746	11.5392077689
1.1329932448	1.599324781
0	0.0658628979
0.18770441	0.1892586712
30.9550810285	27.3099753759
28.3030305471	35.5261385709
9.0009064836	10.259189973
0	0.0294927351
0	0
0	0
0	0
1.8341947045	2.3933185398
9.8773442552	10.9550455091
5.4458416685	5.9582488675
0	0
0.4916261954	0.8497663547
2.5581277259	2.7328403146
2.8938238524	2.7836347031
1.442603027	1.9636402159
0.5551127701	0.4664244225
0	0
1.0966782308	0.7655255501
1.0544389929	1.7147905383
0	0
0.8599917956	0.2167782106
4.1528512227	2.4742772073
0	0
4.8948215306	4.9353524445
1530.3291094012	1679.4067583378
2.0323491251	3.6885198955
0.1567922081	0
0	0
1.2282976152	1.238468369
4.9852618373	7.037158282
1.001486332	1.312712707
0	0.0194741449
0	0
964.1554147836	619.0507620761
4.3589432196	3.0346683115
0.064840536	0.0653774393
62.1241126228	47.0346204839
2.9921687371	2.442288801

gene_expression_table

1.0019220185	1.0102182995
8.5016426437	9.5037827649
6.2052625219	4.1147300791
76.0113992721	53.7366539112
0	0
8.1888897804	9.2425710281
0.191258473	0.1607018026
9.4143263191	13.0518855319
0.2437407955	0.0351084369
0	0
4.0851745929	4.1190013338
0	0
2.6270909298	3.5948599915
0.2833958277	0.1768881826
1.3505936564	1.1023909584
0	0
2.2438211502	6.7872024317
4.5883000238	4.6262928274
5.1305457889	6.1091004253
0.2083668565	0.7878457889
1.0649979323	1.073816505
0	0
0.2790875085	0.351748069
1.2495932474	0.4845924373
1.7752975676	0.859198887
5.5697396444	3.5468583962
0.3540007422	0.5353979969
9.6959924264	6.9647999242
0.9349862084	0.9427282364
24.555350629	31.8325858972
0.0415404017	0.0837687429
0.2577380795	0.2331206905
3.3456849962	3.5420579171
0.1867263601	0.0627575076
0.5656871938	1.3037058077
0.8861792529	1.1448188375
33.8187669386	47.4947553423
0.7536889294	0.8684911424
3.4820311331	4.3706669622
48.549903306	51.5877865829
0.773575856	0.8068772558
0	0
0	0
0.412986054	0
8.8575660834	7.556923823
1.4748656555	1.4173712978
0	0.0174188007
3.5657772804	3.7516207528
3.3152517479	3.1039387283

gene_expression_table

0.4980518213	1.3391356604
2.7810679956	2.8040962565
0.6071970758	0.816299853
2.2581530423	2.3310621231
1.5654789119	1.8790972027
13.0061781097	12.0824457309
0.0100438991	0.0303811988
8.6279399918	11.0596800686
4.187491028	4.6912944294
58.9292615877	68.7173036515
17.9839946965	13.3904556961
33.3964750772	39.7528591632
0.4051256031	0.5446402552
1.9197589555	3.0970484197
24.8717170075	29.8392456863
126.7096999186	149.7862996145
9.1099976955	5.8684703236
0.1991506718	0
1.4056750662	1.0629859277
1.6120632409	0.6501646858
4.7171957625	3.7222872026
0	0
3.5445542749	6.1731077411
3.2812937183	3.7220220352
2.7450278451	3.0752863116
5.5126801977	5.3234683114
3.2835158662	0
6.5670317323	1.6553522897
1.3141665063	1.4196945921
4.6758343597	6.5028303168
0.0562803151	0.0567463367
8.9063117247	6.6774799519
3.6920287989	2.2335600892
13.6584966619	12.6437479521
0.0427944067	0.0862975202
32.9442719749	17.8861106335
423.8855240714	470.9414030101
6.8208441538	4.298327025
9.1406736971	12.1787638349
0.0182298569	0.073523227
1.2321089389	0.8282075012
16.2245062059	14.9301304396
1.8706609788	2.8920977958
165.9509333508	170.3581506209
0.1273519442	0.0642032324
0.034149531	0
30.6115094213	24.7821038804
2.6080652397	1.6991655527
1.2689724109	1.2155059686

gene_expression_table

0.2852296181	0.0958638079
1.1969879569	0.6704996974
0.0795762009	0.0458486405
1.0197942582	1.1615287075
0.2917035703	0.882356948
0	0
5.1215781122	5.8303075121
4.9355944034	9.3999855375
0.1392950563	0.0468161568
1.3024153466	0.9772649841
0	0.5813459323
71.1654743944	55.8773936066
0.8663146159	0.8337840172
5.937839341	5.4076190669
1.0727198618	1.1648025575
13.9021655913	13.507561316
0.6954418716	0.2474824888
1.7063595917	2.3461211913
0	0
0	0
0.3129427054	0.1262135942
2.305347477	1.2423712851
1.4343313443	2.0086224067
0.632905308	0.3190729978
137.7542011773	159.2849443126
1472.7567026014	1372.8798432228
0.5960617039	0.4964760412
0	0.0215417972
0.6962296407	13.8643948703
12.9441220799	17.0670900404
0.0676335613	0.2045807758
0.3103907566	0.2608007547
0.5627371423	1.3982278576
5715.8493350576	6091.2014766682
0.7016170689	0.3537133575
22.4615542444	22.883456053
0.2948354564	0.2180029881
0	0.0524751015
1521.6633402727	2150.0419063108
1.0668662217	0.9353915344
14.3510594998	9.4712017256
0.651817075	0.4381429059
0.3717307769	0.7496176877
59.1442996019	66.3384543049
1.042673863	6.3078455052
2.2674031145	1.7146335317
6.9959235374	7.053852345
1.1823489092	1.9868986515
0.5105653162	1.5443789518

gene_expression_table

1.1246985761	1.426282495
0.0246182612	0.0744663282
1.3666864643	1.1024025028
0.8226821458	0.5696526812
0.0877034695	0
2.4645559568	2.1663783332
3.2246037003	1.0450621926
1.5233208584	0.5119781709
0	0
0	0
45.9335673278	55.3193973709
0.3830513653	0.3862231708
0.3729479519	0.150414439
0.4088982447	0.5153550898
1.8243179151	1.9379645031
0.789367298	0.3979517741
0	0
0.9824285074	0.6810123203
0.2260248914	0.1139482301
8.2123754081	9.3154239927
3.1982150076	4.1685112712
0	0
1.7909738348	1.6929410191
3.1073631172	4.1573736974
0.8282527594	0.9279011061
0.8751392139	0.5042203925
0.3371973687	0
4.8401003361	3.416124697
4.3271043674	3.781209792
0	0
0.330224775	0.4550441812
0.0894129553	0.0772742806
5.5843022109	4.5507122514
1.7886837013	1.2882104693
0	0
7.2433927486	10.7402510174
7.961054728	6.2095468335
7.6467365873	4.2054841992
5.1384916983	6.3063341091
2.1565611694	1.4635507689
1.4110349402	1.0461167838
22.5669645652	25.1202253301
1.7541953602	2.0213951313
6.4556104875	7.5300951571
0	0.0124382311
2.0460965268	1.4939247605
0.2352753409	0.1054326697
0.1032113484	0.4162639046
2.2978740247	2.9656336163

gene_expression_table

3.6990348399	2.7481736227
4.0762937786	2.4176746959
0	0
2.0526794357	2.6784047177
17.310218762	15.6634456365
24.8755901587	26.3569031748
10.8835666258	8.7308892918
0	0.0890892144
578.7457281262	574.3895432062
0.9206808467	1.1181848709
0.3506162696	0.1767597503
47.5235384301	43.2762654955
0.5808273858	0.5856368492
9.4655240504	5.8093316851
2.8822492097	3.422758006
0	0
1.012707122	0.5616009892
0	0
0	0
8.3158248712	9.0671571381
0.0939491945	0.0315757094
0	0
2.2677109977	1.7701846257
1.8104594448	1.7701340234
0	0
1.9674540831	2.8654099111
0	0
22.7834890566	19.2235520379
1.0837821422	0.7050040355
0	0
14.5934281842	12.0811877333
0.0962406511	0.1455563383
1.7942009042	2.0831571723
10.4521565091	13.5497625309
0	0
1070.6600132589	888.1202448664
7.840793856	5.8872371801
1.7182791645	1.7769304051
4.6328009907	2.3916350867
0.1854433481	0.2804683303
0	0
1.5023058814	1.281707751
4.4450282338	3.5854677557
19.4409102723	11.381741492
1.9039397371	2.1182952332
0	0
0.4716868121	0.7133888273
0	0
13.4485140352	8.4749204086

gene_expression_table

0	0
989.0273995339	1146.4068395862
4.7001184256	14.2171113794
1.4999981496	0.9863600109
5.2453492906	4.5052593393
5.2097527413	4.3774095008
27.0250582497	18.8983859971
12.6639958991	12.6517129303
0	0.173153592
101.2461929411	102.6469977798
30.3308484446	38.3735910661
0.4749487245	0.2394407369
25.0296518172	16.0850612829
10.5426189507	12.4785966848
3.2161803638	4.3237486859
5.9947085456	8.0591292354
1.8827665936	1.8253428751
45.3039376132	33.0357565599
8.1905592479	10.3430197073
13.2192516848	10.8851147406
12.6046637005	15.4175177833
149.1280817049	145.1153519237
1.183023735	0.7952130697
14.9640676062	28.4008951777
0.1479159045	0.2796388168
44.8257283399	53.7931752531
0	0
0.0557846478	0.018748855
0.1648621312	0
3.4622038913	2.9090601723
0.1428336169	0.1218599728
0	0
1208.9696256897	1224.8502259609
0.8397148864	0.846668033
0.9716997758	1.6329096759
0.6057862648	0.8144031957
0	0
5.6238564854	7.6103059962
26.9048835108	31.0030466217
9.8589812865	8.5850785428
0	0
2.6027666028	2.5149718604
29.7442918813	25.2301751075
1.8412025882	0.8938455353
34.6301874058	15.1812774056
21.5091556899	24.9637517949
57.165745358	57.0794957539
1.2044685779	1.4701140225
1.0981890566	0.484436078

gene_expression_table

19.9787083405	24.4535821065
3.0967290354	3.7468453024
34.8284786546	29.4312825344
7.3533142673	7.4142024009
0.6443201736	1.9489661414
0.589057573	1.3858487658
0.4057537048	0.409113494
39.6368241175	45.5601359431
24.4791284305	24.0777239723
11.3305394029	11.7417037613
0	0
0	0.0294840474
66.3423402625	59.215584797
26.0708414932	8.088220801
0.4189084333	0.0844754297
8.325452489	9.5935888947
8.7864651186	14.7653671097
2.6276713741	3.7428447854
2.3378926287	0.8250379324
54.1754371581	45.5200246726
12.1938415612	18.8038286381
1.8171516715	3.664396705
57.0691692089	54.9843129155
0.9052367307	0.5704577639
5.8334803154	0
337.4269913846	378.5557721116
34.9019487363	34.0047378608
25.3259787494	13.0792543802
57.762114653	72.8005076306
5.4914702767	8.1425612656
20.42494134	19.1230625209
183.9677798803	149.6784622312
0	0
2.0755750077	2.0927615284
0	0
0	0
0	0
0	0
0	0
0	0
240.8426696492	354.1371970318
0	0
0.0376700758	0
0	0
0	0.083592335
7.6373818411	10.0442897716
96.194933611	80.2813232001
29.2619909238	1.4049662342
2.3690113032	3.8218041342
3.7940989961	2.2147721458

gene_expression_table

16.0784043496	13.0328062025
2.23193374	2.2504149683
4.9307126566	4.709880722
106.4422960627	94.6697938922
13.2330684576	12.834351942
0.393577488	0.3968364536
0	0
0.6402474705	0.6582067765
2.5210843238	2.2840798426
25.2206498026	22.1930059761
0	0
0	0
0	0
0	0.2868950077
15.5161445114	15.4781916984
4.9731042706	4.6077198757
13.1455125492	14.6068481439
0.3862603508	0.1947293639
0.0874977722	0
0	0
0	0
1.1729948195	1.0841486754
0.0282936523	0
124.0628712719	54.0162042695
24.4872582095	37.9846487235
33.6010869249	24.4130366903
0.1923318102	0.193924388
6.7239247855	8.7613309674
0.1388722883	0
0.451190743	0.909853535
0.0663032897	0.0668523052
11.2251628565	10.4474873664
0.7156799343	1.4432120522
2.3013922589	2.872936398
220.121013428	254.4091212611
0	0
0	0
0	0
7.5563188187	8.5712488923
53.500241813	17.9810811325
4563.2070575852	3626.5052872552
35.0566965779	29.816499172
0	0
45.7575979693	33.758405582
3.8880599898	1.9601272748
25.4315651598	28.7315632288
0.1030358817	0
0	0
5.5862663986	5.632522729

gene_expression_table

63.6415286752	72.3926316907
10.166372971	7.5530399813
0	0.4609226264
47.1421092155	36.151450835
0	0
1.0722980992	0.5606103585
0.2217976452	0
27.2822454099	29.3420292136
27.8845329028	28.851432985
0.0553412189	0
1.2976171075	1.7841297984
4.0467877339	5.0219035293
1.2252968881	0.9076722574
24.4081131724	21.9184783305
9.5146530135	11.2281940439
4.1042973064	1.5518558964
22.9193450638	23.1091256299
3.2867799269	4.9138556453
13.0029035803	14.9542466225
9.1060812244	3.9349212471
0	0
0	0
0.2459901338	0
15.4533081762	7.7906336121
3.1562380814	3.1375507346
0	0
42.9205228454	26.5425645638
4.7374099911	4.094260697
4.4691864566	4.3480809227
0.0855417643	0.1293751221
8.4212873111	9.8142942865
5.0153702712	6.5739691846
10.0895633416	10.6537279239
8.5682277927	9.3591071763
4.1034375022	4.2878669382
0.1121124128	0.1130407446
5.4581078753	4.3646885912
2.4853144193	0
16.7593116053	18.2234248271
184.2313643455	247.6758232999
0.0157187301	0.0158488869
0	0
102.842706753	87.321500638
42.1419584359	66.3920457447
8.425375323	7.9411096115
13.4309707004	17.8186632287
0.0319436157	0
9.9907385024	16.7891091233
3.6004784287	3.630291708

gene_expression_table

0.009005	0.009079
14.4315530281	18.9438218545
0.9421075417	1.1450952226
1.1910726254	1.2009351427
9.4928500221	11.4390551328
0.0300207263	0.0151346544
0.9998515362	4.5365880281
0	0
688.5783729891	797.7100439972
0	0
0.9904773906	1.7177277181
2.8734495786	4.0878905159
0	0
1.5529095441	1.9572102544
0.8457763957	0.5385977267
24.6224503298	20.0920092194
12.9551640949	9.3303125682
1.8468633423	2.1071765792
23.6101009448	20.1986919463
19.7033104047	13.7362387671
0.4165164026	0.2099826554
3.1752780399	4.0747260964
0	0
13.3319074439	16.3645397602
0.6338924443	1.2782826115
0	0
11.7973018341	11.3285598203
3.6939321148	2.1908936616
0	0
11.83993348	8.5491286669
0	0
1.6582925052	1.2405337679
15.3002906039	13.2231279517
0.4641577711	1.7550043774
143.0470825168	166.3315625381
755.3935165861	851.6069299047
7.8643330858	12.9754679601
3.1706121024	3.855044211
24.3938894893	21.1316713972
0	0
0.4018176475	0.4051448447
11.8388863701	19.397489609
2.1282168305	0.6602582292
0.6222799321	1.5685815941
1.2725591813	1.1843967112
4.4282007898	3.2742364696
0	0
1.136819262	0.9725609444
90.1392574764	113.6070544014

gene_expression_table

540.1167984336	629.9081321232
33.9083926461	35.8986248758
161.2015964951	111.1189128911
7.3267200023	9.7202472706
0	0
21.6714695519	35.8979354854
27.460946286	32.6580337625
29.9487389925	26.9613620654
5.8165375136	6.8421506688
2.4307536186	5.310242488
51.5270421304	68.8217909055
103.1369464946	117.1160305513
1.6546383514	0.667335745
2116.2596873985	1996.6964689641
22.5127862025	26.1040803593
0.2579821252	0.3251478896
0.4255780229	0
4.4684866677	4.8273078995
257.2891639243	349.764751013
229.3745078578	359.9524754657
5.4386560697	2.3842131011
0.5872817549	0.5756961999
2.832789703	2.8562462386
0	0
1.8009524777	2.118509194
0.3085637381	0.1555593794
0	0
0.9774044173	0.9854976836
3.8722476772	4.9779969143
253.4179686355	202.2720485552
61.8003819126	52.2370426689
5.5714548252	5.4869469171
4.5550989488	4.5928168354
179.6956349744	217.1721000395
44.3301062572	47.6281381079
0.2668665155	0.2690762679
9.1798386014	9.6362284645
2.8343342512	2.6769299322
3.3475825511	2.6803866917
7.3312629875	5.6648730779
40.8115969533	51.5525034653
9.0835058596	3.925165977
0	0.2186973245
0.3219619231	0.3246278857
0	0
5.7209357337	6.7296917048
8.2606098584	10.6426248237
1265.5434216044	1500.6158684287
9.7532101716	9.8339703217

gene_expression_table

0	0.6244742171
12.7194641451	9.300417302
0	0
1.7992294842	1.1722056314
0	0
236.8440324811	238.8051877601
0.8425799472	0.8308852392
0.1079200966	0
12.6975755064	9.6731632598
404.0660566606	486.2657821208
0	0
6.7152939558	10.1563485715
6.6011582992	14.4691702306
5.7239746323	3.2817601154
1.6534029438	1.8338030979
28.1656169811	49.3242986192
7.6911028782	11.2013604807
11.1156326242	15.02847213
0	0
0	0
21.9834727666	20.9988984955
1.3502090631	1.4910454111
12.0521590455	19.8850178189
2.053422012	2.0704250979
0.5863733543	0.6367078741
0.173566812	0.3500080175
1.8742334216	2.6134878601
43.1304383372	44.7506987137
0.63917019	0.4603305379
9.1805693505	9.87369368
11.3729954553	11.2004896944
14.4111528928	14.9231982572
1.924952136	2.8542521239
12.6039569217	16.8782405525
4.8533831568	3.0906763868
0	0.0160726273
0.2130764418	0.2685509909
0.4928013927	1.2422049215
6.3912964635	7.0579538555
60.9756690448	62.8939163375
42.645673381	47.8301204653
0.3776396442	0.6092266219
0	0
2.0606254449	3.2463877779
1.5619757442	1.2832595723
1.9065891666	1.5379011382
0.0870971632	0.1756367192
0.56550067	0.2850916113
0	0

gene_expression_table

0.0802669	0.121397309
0.1856047539	1.0292789607
10.9554994605	3.2069656469
5.3598016151	5.4041827342
1.8185585474	2.0125063293
4.2193944876	2.8362217456
42.9875506957	61.9676649454
0.7030481854	0.38665619
5.7545622701	6.6310996023
10.5413834393	14.4668007687
7.3621307438	6.0772621915
2.8735270358	2.5661985039
18.3782560415	15.0890682788
2.5266127222	2.1399285603
0.8342987458	0.2762172386
0	0
6.0431855905	3.0466126895
5.2057139534	5.3752967407
4.9311426788	3.891110357
2.6069054758	2.1197512962
40.6170506268	51.4431864309
1.5315465561	1.4412797673
4.9344640388	5.2272383063
0.255731082	0.199624745
69.6251402351	78.5306726121
2.9669661552	4.2380061046
0.2491336643	0.0837321941
6.8155556137	6.1847918179
0	0
9.8735560918	18.537478914
8.6285202856	5.0368233426
16.8299843492	27.4397883247
47.9417129225	56.6550212473
0.0241909729	0.048782566
0.0675179646	0.0850962976
0	0
3.7388733799	3.99158748
0	12.3780820467
0	0
0	0
24.1410694814	12.1704831864
0	13.4694210671
0	50.5910281474
259.5659663292	412.399815513
3380.7710803287	3483.1922879481
0	13.2541563468
10.5451374932	10.6324550914
7.3345797087	14.7906254265
2.154001149	3.0405718937

gene_expression_table

0	0
4.5877649971	4.6257533704
0	27.0014906042
15.2722680936	0
37.0504830843	44.8287295746
0	12.4577692702
13.5474001678	27.3191551996
0	0
1.8629064583	0.8720827169
0.9608886968	1.9376904139
3.105047419	3.1307583482
0	2.6909705562
4.613990601	3.101464088
37.5178175463	41.2060215586
368.6523066889	298.8581971641
0	0
11.9701560734	0
11.5615362878	23.31454008
8.737962401	16.2651986362
46.6836086862	31.3801107022
11.9701560734	24.138546694
0.7867247484	0
1.543811522	2.5943247441
12.71003327	12.8152769976
0	0
12.1726111444	0
0	79.3437878804
0	0
242.5974046897	326.1415999951
0	278.786576719
0	0
0	0
0	24.7034914039
7.2881583181	7.3485069366
36.1358477278	24.290043849
23.6453596357	59.6028796706
12.3290044353	24.8621862095
4.750532237	0
0	0
1.712056221	2.2194420084
0.9090061685	2.7495992169
7.7504897477	8.1402777496
9.829806063	15.1971740312
6.536835912	4.2841261489
0	0
2.053551519	1.5529167579
3.1199702351	3.1458047306
0.5161338437	0.6938768278
2.6897900671	2.7120625133

gene_expression_table

0	0
28.2533321746	25.7215247562
0	0
2.4216832512	2.0660840326
0	0
3.3836654157	1.3646733615
0	0
797.4717770793	729.277448282
203.9492804548	185.0742496321
61.3044223419	96.8945576504
0.5557572463	0
0	0
8.5248515276	13.9925774256
0	0
2.2967583485	2.3157763483
96.5154376114	120.8043568074
259.0940282086	174.1596143974
24.8511009367	22.5511894336
15.8573099109	21.0759005906
57.7479793646	76.9622923603
35.7323095923	35.0716856761
239.2116320336	204.445628594
0.864424743	2.0336924912
16.7915766823	15.9900272454
7.5093439606	8.7363739352
109.5788885561	126.6303502614
69.9654558161	82.5890287599
30.0833946636	25.5431546801
2222.1909890579	2682.7112435881
24.7141867288	29.902595089
689.8953413838	407.918228988
0	0
62.4134967079	66.8634472619
10.338572606	16.5839223634
0	0
7.652566234	7.7159322834
72.8303663271	67.3139760496
2.7171519921	1.8264340034
1629.7466420834	1744.3377357001
3185.4426873772	3172.3156586983
4.0776523168	1.1212954829
13.823452215	11.0788558777
19.7292235453	38.3642782796
2.4010196294	0
2.4032244224	0.4846248001
0.8359557272	0
22.864294507	33.5325370681
77.0562777209	68.3710120761
149.6861223224	187.0626884776

gene_expression_table

0	0
985.4857551871	1031.9859741398
16.1542531811	13.5733469252
19.7423023978	22.8252896847
9.9252630086	6.0044686915
44.2001035777	37.5293445166
41.0040005078	40.1950972892
89.2977641696	124.6668678578
0	1.5732575826
42.7999450828	39.6171029582
0	0
0	0
0	0
0	0.9433409945
67.7579785412	50.3403448243
281.9861789151	331.7079823044
2.7862432706	3.8308832519
40.350073276	34.425081013
0	0
17.8187517138	36.5629914035
111.0355820068	99.8517543194
0	3.2014635
267.852570217	174.4703149583
20.5630181118	32.251780444
491.2747443362	515.6828373542
221.0484709157	303.6537122964
1.0894314231	0.3661507714
15.0765679621	19.729486282
1.8033968693	1.9395516325
0	0
66.6146623019	67.9954691263
16.2972057351	15.3720136886
16.25141754	30.4311154189
26.4498207494	24.8505052909
0	0
0	0
1.7161386204	3.4606977526
0.1687963961	0
27.5166880768	26.849551283
18.1743846948	47.6446756559
0	1.6211450656
21.3871468924	23.2666803203
12.5132193889	18.9252501383
37.1985952517	42.7809807222
248.5658312227	253.0338938941
118.3814874473	96.3032135687
34.837236405	40.4477774545
2.4201954902	4.8804711895
0	0

gene_expression_table

191.3684144736	34.5753957497
8.4318834866	2.6847481794
35.3740391081	11.0147931043
0	0
0.7967956091	0
0	0
4.0300828777	6.7724223984
49.1353384344	57.4006144798
331.6207045097	393.5344056068
74.2455657945	96.7222172849
60.7026364924	78.5467715609
0.8937666984	1.8023348277
1.2769228368	1.2874962253
43.4759124954	61.0087392798
2.8415274874	0.3581320469
0.4180992718	0
0.1899084726	0
39.6114796488	50.9032552535
97.2359771178	78.7543475957
2.6230729254	2.6447929293
50.5535993446	35.8183038628
6.3696635803	11.2392117708
2765.7491448602	2820.1015062695
33.9699980794	47.2993895629
47.3348996893	56.4044590724
17.8647035179	19.5136822854
100.7019724598	123.2652776462
14.6463554669	8.2042403617
83.9306861706	92.4372626315
88.0439763884	93.118544831
15.1437271733	7.1255906294
695.3996050628	844.0477400676
0.6850261834	0.8633730636
7.7648618628	23.4874732835
26.7520937748	22.4780090859
4.6678231486	5.3237169814
19.9718193388	39.1126254734
10.9850135781	9.565613487
0	0
1634.1407820055	1754.1521806355
248.9564376745	238.2542666729
6.2768794562	3.7422790736
0.2072109043	0.3760680356
1861.6739829256	2030.389416003
0	0
8.4075458963	7.8943584663
178.9389812782	234.4429709438
2.6263556783	2.4444026442
49.7795231539	87.412538798

gene_expression_table

18.5086274533	15.491311944
0.8850426672	0
6.1494771404	5.0875052816
15.1428420928	19.8729347647
1.3447100617	1.6270137039
35.8683197833	31.4481066084
8323.3155545661	6826.9203459714
0	0.4943222479
0.3831023402	0.7725491357
3.640341015	5.5057265566
0	0.3822307401
0	0
0	0
6.7931419948	8.8251777634
0.1415663512	0.2854771449
7.6100207593	10.9005807815
1.2301784213	1.2403647489
1.9182558958	2.7400313221
1.0478264377	0.6501555841
1.543144897	1.5559227016
0	0
13.210794446	14.5202012954
6.0115246386	6.4942524246
388.9457921136	476.7737351303
14.8174689335	12.2722767498
12.694943339	15.7539226049
0.7585676375	0.8236833825
8.9352159399	8.1453066396
35.3509600337	46.8541908411
0	0
80.3450498629	90.1515804558
290.9883085439	192.3019276897
0.6143847313	1.4867329483
1.9124068554	1.6197235186
10.3100078545	10.3953784932
0	0
4.7484299779	3.8535538447
33.1813711842	38.2355715231
0.3517031945	0.1773077128
2.1647284448	2.8062683854
0.1097911878	0.1722004651
243.5991768388	282.8954057436
0.05475302	0
25.8793827369	26.0936734984
6.3965937096	5.7329420861
0	0
0	0
0	0
0	0.47201565

gene_expression_table

1.4774557535	1.9862528372
45.7925111715	42.0675397095
9.191892607	10.0567712118
1.2263354784	1.2364899851
4.5118681447	8.5929863438
0	0
5.6502895695	1.7990766427
5.6565808272	3.8022795912
1.8520275788	2.8010445676
8.3696305692	9.5493202493
1.7752245852	2.9832068242
0.8709189338	1.7562609227
3941.6641074929	4478.1873139675
3.4393229998	3.5228463269
33.5361409661	26.8305409961
110.08695314	130.1531241267
28.0399871411	39.2753908321
8.787078126	15.9477090285
0	0.13868751
0	0
6.905425426	1.4919867592
175.2123916539	187.1166590267
2.35591151	2.0433714577
4.7049193637	1.1859694545
3.5540744725	2.866802808
0	0
463.8199845446	509.855523675
3.7404830525	2.5779570069
307.3533282892	422.3919596434
20.861032867	52.5844246369
0	0
54.4136569054	80.0103236058
31.6454262789	33.5780097397
14.6085588303	14.3518429664
68.8528828	79.113635963
0.2067599767	4.3779125248
209.6307682992	238.7958396407
91.9427793355	105.8432628678
9.8698458428	5.6866124451
78.9394354249	125.3591054789
15.2240067021	8.2366213439
629.7776679049	500.8311146498
6.7867946052	5.6112532339
922.421160968	1002.5312870384
0	0.1296525031
88.0205629093	129.7960053793
17.4894424497	17.4822419396
3.0618254899	2.6122279833
3.666705984	3.6970676516

gene_expression_table

24.3917594465	16.5957704702
0	1.7180587392
101.4612125268	147.2689742193
89.4457983576	96.5826438892
0.9641425528	0.2160280013
12.3240042758	13.2108547974
53.2020591804	58.2783712334
92.8408284217	99.7145573625
0.2216013036	0.2234362435
42.9675005321	64.2861680491
63.6633769172	54.9185671053
38.3795622578	37.9807413203
196.460463681	203.8768340645
8.9676736885	11.6540422205
0	0
112.031736555	132.7768389958
5770.3188983398	5499.3816691762
167.1084321486	160.8334169897
70.9981157946	77.6784322381
0.6615701564	1.3340963989
0.6525722624	2.6319031984
16.7060434721	25.8280426278
0	0.1682311487
14.5517567093	12.7344061647
0.2297535588	0.3790734585
2.0055448742	1.5382178228
0	0
0.3501152369	0
0	0
0	0
3.5228421086	2.0720073096
2.0024180614	2.0189988159
0.2794430728	0.5635139274
3.6799469969	1.2368061016
5.4137825597	5.8107790906
4.4466551372	3.7037402746
0	0
0	0
0	0.0122388617
136.0225714085	184.4416081169
7.4414251743	6.3585109309
0.4570164099	0.2304003365
14.5272794061	7.9432099257
25.6258472502	24.7146456605
0	0.4445115222
4.2935459145	3.9960905042
1.1407677716	1.2460648918
14.8396359838	28.1726607449
0.2938430701	0.3386013695

gene_expression_table

27.9497333558	27.2583583709
7.8312358416	9.4752976089
1.0215757017	0.850898249
0.0232716748	0
0	0
0	0
0	0
0	0
0.051173154	0
1.0664774385	0.6662235972
4.594834945	6.6298136965
31.889650156	32.7841729969
18.9301870432	16.8456669301
4.4598335177	8.0941726288
2.1189985541	2.7939429878
0.8323102787	0.7343018484
426.0875859218	605.8683612813
31.0843204972	29.3567350787
8.305580502	6.6266625315
0.0347675833	0.0408980502
0	3.7437578331
0	0
1.6598240451	1.0997732544
0.7403026058	0.6678607315
1.8334780957	1.0563771231
1.4524163221	2.0621746409
6.9322445956	9.7855045654
0.0111486986	0
0.5987059201	0.3923812258
0	0
0.9191909638	0.9268022014
0	0
7.0411452654	3.6511449559
1.1593546582	3.2146249826
12160.4777031211	9451.3650289109
7.1214502754	8.7122411015
0.1158277914	0
267.9044956426	342.5269039156
29.5125423252	35.2002554494
0	0
2.5638400002	1.2925347669
0	0
0	0
0.0844910862	0.0851907034
3.6016295728	3.1069092618
6.4248023925	8.0975026349
0.4324341936	0.7751376125
67.6205809004	60.6972780054
4.485063459	4.0773947284

gene_expression_table

0.7552991042	0
0.5290580203	0.721711337
0.3331263662	0.5038271617
6.3392734063	4.5940810294
1.0239454155	0
0.2867989358	0.4731933861
0.3427951857	0.806478529
0	0
0.2777472562	0.2800471051
5.0653197636	3.9941411587
60.163313614	77.0738798159
18.105802111	0
3.7104376184	2.2981420029
0	0
3.2082516481	4.41111429
0	0.2583127383
5.112712863	5.4496221681
1.2075439597	2.5111821604
2.6243282989	2.7122101652
3.571218849	4.6598456859
0.5858211027	0.6891172352
60.7974204339	39.1281991457
6.5379207693	8.3668417626
0	0
23.649856148	22.9625120721
6.585272742	5.3355545443
0.2582456911	0
42.3097004627	56.8800536917
2.7351199548	3.0398121781
3.6197782068	3.1283582531
0.0621801107	0.0626949847
11.7138000067	7.4014312565
0	0
1.8017414793	4.178319284
5.1636528695	3.8180338572
0.5311970727	0.9372922631
12.7485440339	10.14797893
0.0235133565	0.0474161114
1.1003660675	1.068385742
2.0285642993	1.4609725387
3.0153239305	6.3144524416
35.0162697137	28.0748233504
1.0629629419	0.9109999645
0.2069482443	0.2782158021
20.573072621	23.363647322
0	0
0.4937165336	0.7311506343
0	0
0	0.008583

gene_expression_table

0.2183788249	0.6165238283
0.0393459146	0
0	0
3.5768036729	4.6698527252
0.9108612538	0.3673614073
1.1405713821	1.3143036921
1.3732088683	2.2707104462
9.4805701722	8.9855283976
1.3337487296	2.3907425018
8.1959360446	8.2638013949
9.5899277293	11.6527893468
1.1513447991	1.0447905199
0.7311247718	0.9072969261
0.3362992577	0.7798930589
0.0387295095	0
10.24027989	8.9783244831
3.6277880074	3.4836451618
13.5760954043	17.0526358914
0.2244102951	0.1257047191
4.746311975	3.9492924263
0.889967551	1.3460052121
0.2663874502	0.6983424131
1.3488220019	2.2399847512
1.2118169053	0.7636569955
0.0900293195	0.1815495905
48.0820416025	54.6306489136
0.9039221416	0.9114069478
14.4166386762	12.7190120061
8.1474869772	10.3349385455
1.3892590173	1.1206100724
0.2611848126	0.0877825062
0.6005769133	0.562296345
3.7080927195	2.6429427666
3.4456949268	3.9225138378
0.0512578905	0
1.2317926215	0.4967969261
2.1015321555	2.7880705407
2.1742319953	1.8549684425
13.4190980538	16.6801039772
85.7876154905	94.5877063937
5.1044056463	6.778543601
0.7835101657	0.8315767544
2.9429794885	0.5934696872
0.904089163	0.4715044925
3.2423579445	3.4946683278
0.1350792524	0.2451559645
2.0451024407	4.4677460478
3.3824285667	1.5157494726
273.7717571764	325.1962620241

gene_expression_table

20.5395443468	27.171020511
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0.7154427873	0.6011390962
0	0
11.1393375019	9.827628382
0.8616004596	2.2649157984
40.5082463659	46.3630842663
0	0
30.0376356317	25.8478402299
0.1651269092	0.1664942205
1.387676937	1.2242714837
0.9472615365	1.528168334
0.0416773683	0.0420224721
1.3507596271	0.7782539492
10.3510674509	9.4754958867
16.4858579181	20.2430804283
1.0801256922	1.6972512129
0.1385548086	0.2561205041
0	0
0.3311329469	0.6677496978
11.4428189559	12.6913266537
0.135003343	0.04537374
0	0
8.4043197144	5.7069193553
8.071276472	6.7139404162
0	0.0228145442
0	0
0.2554298865	0.2575449394
0	0
0	0
0	0
0	0
24.0734777312	32.9416774162
1.2194928766	1.6906872455
10.521833322	10.1155180483
1.7431892282	1.3182176048
136.7283905821	172.0094957011
0	0
7.0888896607	9.3658053085
7.5512850219	5.393117135
1.3718477654	0
0	0.0717148917
0	0
0	0
1.5888371032	1.2556163358
0.0937215863	0.283492906
0	0
0	0
1.0305432381	0

gene_expression_table

1.6973563979	1.3905215433
0	0
0	0
0	0
2.275135906	3.0238759572
0	0
0	0
5184.9554080017	5020.5558623017
0	0
1.9555557685	2.1360608598
0.2653781836	0
0.2707350554	0.4679602985
0	0
3.5330076294	4.1150270538
102.3506995163	63.1763131019
0.7270977948	0.6788133618
0	0
11.4491395585	9.7482182164
46.6978879773	58.2542593225
0.5516703065	0.5006145047
2.6586542546	2.4593292523
0.941663589	0.6962713327
6.0426570628	5.3311059156
9.8230207711	8.1967108788
0.1260237063	0.1588340359
75.3325101241	87.2555738222
0.2766318491	0.364744758
0.1187902592	0.239547772
23.5504343168	13.7782185808
0.2133172195	0.2688544552
4.7827782194	4.0645785864
369.7714740409	332.3338514252
9.8274829437	8.7655283188
0.3429170034	0.0691512964
221.0781913856	210.7941910486
0	0.1596578884
8.7394290049	9.5198853195
1.6345548245	1.4982632152
1.053356215	1.8586371826
8.8677509247	8.3173759517
5.6368148856	6.7036033255
12.8157516817	20.0629046576
0.9294602951	0.5727067907
13.8052754205	16.7603204304
1.4359372261	1.0741944573
4374.8727814507	5001.8704270625
1.8860792009	1.1186450747
0.3750050479	0.3985486177
0.0244719799	0.0986984674

gene_expression_table

1.3900010734	1.8394829133
1.2422802901	0.4356754176
0	0
23.5110229276	40.1966264921
0.106377797	0.080443983
2.7815755633	3.178555764
0.2247763057	0.1295071633
0.104336667	0.1227340482
1.9321954135	1.7084168896
2.6183015331	2.6399820282
3.0443230044	4.8833449528
1.4077371812	0.7096968802
7.5498245496	5.1463706098
2.5864570898	2.5112859789
19.6594943579	31.0375207615
34.7919324055	35.9264571958
6.3150076462	6.4946441853
0.1695669289	0.5129130155
1.8285978418	0
0	1.5909346341
0	0
0	0.7165293113
2.7355800546	2.0551530006
0.023615973	0
2.1206436724	2.7280525859
0	0.0488889678
3.1301756395	3.3665009488
1.6998171907	2.6932593273
4.5173184823	7.8080974848
0	0
0.0669862297	0.0450272668
0	0
12.7624938522	15.0868223127
12.1195355583	18.620784379
0	0
0.7113332417	0.9467348105
0.6560110601	0.3858417918
2.7969961285	3.3381441684
3.9377293084	4.6608282176
0	0
0.8910436945	1.0727425223
5.5553644482	8.0725552959
1.7665656343	1.4484430207
0.4022246723	0.2281248224
3.3371678118	3.2658360539
0.9795745056	0.4938428705
8.1645036301	11.4126961641
0.8647678705	0.9342090696
1.6865147577	2.0523031069

gene_expression_table

40.1712274913	44.693914437
0.0474200289	0
15.3368460844	16.8696444912
0	0
1.880081476	4.0019261708
29.6369189445	32.0555833706
9.7954328724	11.8935830406
44.8723350699	56.0162502448
8.7257386252	7.7828381346
414.1229633651	458.9964255937
103.1241539574	99.6153439063
1.083894027	0
8.5714138106	7.0525149434
0.3077884731	0.3103370743
0.0540066136	0
3.0191441203	2.1216759391
1.6378622479	1.2486379207
0.0125131197	0.004206
0.0195630992	0.009863
5.2662672303	4.6372898294
0	0
0	0
0	0
30.198759061	39.5834605912
22.5914783124	22.1368948944
0.3430285377	0.4099187431
44.435132377	43.5168589573
4.8089467442	3.5018869769
0	0
0.1501929065	0.4543096763
0.2506484294	0.2527238901
51.5164852153	80.6484361467
30.5771303668	19.0168330194
0.4413003044	1.1123860811
4.035328455	3.48749353
22.7036477575	18.9673607388
2.0660346615	2.331135302
189.0343555857	160.6391524034
8.3858246265	5.949999413
108.5752606363	133.0240083655
0.7176722293	0.4824098787
1.8074541112	2.7336307392
4.0740456899	3.2519927212
0.9832044179	1.7348549931
1.0967434531	1.0407763673
8.5720806863	5.6325563799
5.819329969	4.7918048567
16.2179027208	18.9802238919
5.3063084924	6.1578310718

gene_expression_table

42.8475912283	52.9229215843
5.8366561011	5.7396774599
3.9175648577	2.3700022372
0	1.6565331659
9.1150053899	8.1693164185
0	1.4659900202
2.4492090098	2.9184874217
2.3634266991	2.5532107899
12.62641463	10.8448969329
1266.212947928	747.9642824916
0.7734989715	1.3471066087
2.249619221	2.1430062657
26.9389058723	22.0232188161
72.2608973539	83.9182364308
2.8588665262	3.6738241996
66.7909677813	89.9397128461
9.6210528522	7.6486435835
5.8790297443	4.5329549065
16.0389020873	15.5248416645
0.9292686126	1.3533914287
45.066540273	46.3237487281
1.8327068947	0.5939621931
9.1280921075	8.1448460631
0.2796842326	0.1740000743
0	0
6.4502268201	6.595237581
55.4946353856	72.3385160179
0.612544395	0.4803683786
4.3788073045	7.3584423862
6.9336308927	0
16.4873461448	16.2248945879
0	0.5851547707
8.6422129888	7.1073237801
2.7155958292	3.4226024458
7379.5873568774	8711.3422256491
1.6626176931	0.8381923881
6.1986335741	5.8035347769
2.8131236356	2.8364173289
0	0
22.806736391	25.97649362
4.0714581982	6.537865503
29.5891037651	20.2871964147
29.1128255775	32.336371275
1.5989210191	2.3131000922
2.545492845	1.6237486568
13.2522136059	13.6588789359
186.7576659371	220.2133578714
5.1807999973	5.3729474581
68.6796628784	61.2195607701

gene_expression_table

0	0
8.4495827186	16.0367969058
9.5172603069	10.4956979594
0.6640882435	0
58.2412804235	53.7375786384
16.8033742555	11.6087584585
0	0
23.358013337	26.521876393
3.8323331539	3.4249678348
3.2690674642	2.609441427
11.0177375366	12.241092608
0.4826433074	0.5109717592
3.7798032262	3.9075849596
0.770232913	0.1941526809
0	0
171.3168620924	289.7724942002
3.2443932606	3.8389970202
0	0.0125720508
2.6529870159	2.0062160396
56.0627562931	46.6347555592
0	0
5.3772368287	5.8000248051
11.4409241357	10.1898322714
0	0
3.0303395112	2.4443454652
0.4229095994	0.5814701532
0	0
35.6247927217	57.7282163221
0.6263150943	0.2806672056
0.7969886246	1.0714506428
0.2249368808	0.1619996004
21.0991746272	21.660681398
0	0
505.8570858066	398.1537673828
1.556804021	2.1092775597
2.3133690448	2.4158290368
7.6985740218	5.075363752
22.7078892278	15.2639459081
45.1892734128	58.4284332697
1.8658005042	2.2430288644
73.4964597173	62.6059797922
0.9722467192	0.7352229584
0	0
0	0
0	0
0.715288726	0.5769692628
0	0.0972969611
1.2224831926	0.9165530314
503.6116311808	705.8771437356

gene_expression_table

1.1252237827	1.0084809311
0.8903001206	0.5236420767
2.4738528277	2.4943372346
383.0659231206	512.312721104
396.1661083989	401.3196459858
9.9876661313	11.6900771467
0	0
2.9066274435	3.4007125666
5.7309008673	5.7783548241
2.3772275274	2.3969118414
0.7446514577	0.6256812036
15.1916756499	7.6587341424
15.4006555213	19.9648010391
0	0
15.5506956686	33.3188548813
299.7028310636	234.6152796603
364.271725013	350.2409045543
165.9222840745	154.4272442933
24.9789374026	19.7888209727
1.091496696	2.2010693763
1.088227649	0.8862311545
30.1273977402	31.4044108046
0.7068709937	0.5966992836
0.0109341613	0
2.0221273145	1.4618322305
0.1878570073	0.1736281544
0	0
0	0
0	0.0525306568
4.2599260655	2.505533224
0.4510361091	0.3979244965
11.9994040293	10.2213691526
2.3476354835	1.7404961504
5.1943257446	4.7029145546
0	0
310.2586992564	277.5198818399
17.727551684	27.0330962066
0	0
0	0.0401335671
174.5971354485	164.9305234068
5.7381477092	4.9147018508
17.5281742443	15.0102118418
0.1162503043	0.2344257987
10.6436901801	10.3740963696
15.3863339578	12.7292212798
0.1586768197	0.1028511783
1.9515474175	1.5422567943
0	0.1071784451
3.8673430407	2.0425250773

gene_expression_table

14.7480148719	16.2863370553
2.366766733	2.1907607862
0.3490751225	0.0879913981
5.2187628207	4.1732913794
0.3793129247	0.2731812675
0.4343542176	0.2335737757
0.7640440661	1.6370375901
0	0.3361830217
0	0.5281405095
17.2466982156	24.9742922402
5.2675439984	5.0898628078
3.7181079433	3.4364873014
0.0696843365	0.1171022471
1.3363997132	1.2847927737
0.01173296	0
2.141137643	1.904882688
6.5573743327	7.3614490059
1.832974236	1.6122176442
328.5776506659	395.1265248109
0.1348429925	0.0479857206
12.6780482853	0.913073369
0	0.0210283604
7.402475021	10.449278313
109.555086721	156.2359805946
108.5166885494	119.935943224
0	0.0640167491
4.5502648067	5.7676993501
8.4636288933	7.574866924
6.3206512269	8.6153363495
672.2710370975	905.0784020206
0	1.3037525719
2.2794429991	1.9535699782
0.7118750088	0
2.5200964926	6.6455976673
0	1.320791858
10.7890520748	18.3572820703
6.0373768661	0
3.8461222921	6.6479478728
152.4440457192	160.8104126709
0	0.2511657897
52.7074884594	78.8446767363
38.5222589786	43.2282641947
0	0
37.2397565454	43.9122027093
138.6438840432	150.3422386893
3.3687184105	3.0569513688
12.6838208742	13.6051569719
3137.0646311734	3621.1670749399
260.5281530051	247.6513963086

gene_expression_table

32.2929614689	37.0294278934
11.5538028187	10.9434438965
6.7174915951	10.1216211191
0	0
33.6126257597	47.347651579
0.5024224271	0.5455505663
1.1799988272	1.208654882
0.2815933357	0.2208305802
7.7529802649	8.8831565674
0.2362013895	0.2381572235
5.919443185	5.1158214353
0.0604700642	0.0121941557
12.6879014646	16.5623167879
37.9024399979	38.2162860741
0.1075943952	0.1084853161
3.3119197313	4.4809995838
0.0191533965	0.057935981
475.4169787447	262.0687530932
0.9273606528	1.9550826713
1.7091803781	2.0175606056
0	0
0	0
0	0.5282462356
87.44087141	115.2925796245
16.1704349584	18.2608519281
4.7466158873	6.3343053585
166.5763222579	236.3645315268
5.5275603709	2.0899989727
25.1183865134	31.3360244775
7022.986679002	5908.3938362348
0	0
0	0
2.0673770454	4.168991368
0	0
0	0
0.1346439613	0
2.7950379458	1.4761905102
3.2144203872	2.867071161
2.0513826792	1.1819250735
2.9405746023	2.3295828571
0	0
2.5140359232	1.2674265304
4.212345957	3.1854192925
0.6171881162	0.1037164433
3.8617556722	4.0344697391
46.0483841401	64.9478783292
9.5113475971	9.9207983137
13.4703778932	15.3344230432
0.556545148	0.1496409455

gene_expression_table

26.8842581209	21.4427476086
2.7147367272	3.6346635249
26.3701871436	24.100725155
37.1743130316	44.8315671952
1.7554085239	2.1526345325
0	0
0.0238319371	0.0480585486
0.2723063314	0.4118416913
32.8182415375	45.3276486033
22.6528080828	23.5221840617
0	0
308.1862915999	315.3078661162
0.188861939	0
7.3752925764	7.4363626984
11.5995096124	18.9964211501
8.0778820623	10.3167085178
30.1478335356	27.4173246485
1.7021862739	0
6.8164700923	32.0735938117
45.5771003324	61.008554245
0.8426644167	0.566427991
33.2092001229	31.3914229267
3.1445358117	6.3411474385
0.7253269175	0
3.2689409164	4.6443762388
92.7263089015	115.4626796146
147.6833953442	171.1699235038
15.0480770257	19.2187287744
0.2966100029	0.1993773615
22.0742885736	33.5264751868
7.0966757285	9.415051054
3.5314692047	4.189071838
0.5168442613	0.3474159473
9.9730395992	18.3732316367
0.7038440065	1.3179624575
4.6130356105	5.8140415422
8.780433584	8.8531387879
0	0
3.1352556556	2.5120382864
0.2609993233	0
0	0
20.2979026486	18.1270079449
5.6169015663	5.2588821696
114.5946199443	77.7696670568
4.1367085027	5.0490592187
158.9334555341	135.5269788795
0	0.1791433833
0.2696789261	0.0679779916
1350.0684994777	1768.2872726173

gene_expression_table

90.9148857234	87.8857265146
0	0
0	0
5.8432157193	4.8442041848
0.7900713648	0.7966134449
0	1.4450082091
32.9141276163	26.8175100123
0.7756493428	2.3462160097
0	0
0.200163803	0.1009106163
0	0.8982392821
2.070331028	1.0437370634
5.3709375665	6.9384952098
1.450149278	3.0635671414
44.0729794954	64.1881065183
2.7933355837	1.8654511255
9.6346635646	13.4044239905
0	0
0	0
0	0
0	0
1.3093889455	1.4522542818
2.3020451287	2.7853282859
0	0
0	0
4.5369346774	8.1786553718
8.6417390678	9.0618276635
0.364208591	0.2592172034
41.3158862925	47.230085718
0	0
3.304876153	2.2214944915
0	0
2.6994384251	2.8513998472
0.456195632	0.9199461976
0.0523331886	0.0527665265
0.3372538795	0.3683836705
6.6179828406	8.007338593
3.6635562938	1.4775567523
2.407396633	1.8803266437
41.0222974943	41.6188838229
7.2031607126	8.6168879049
2.1467453563	0.970302604
10.9495627346	11.0402291219
0	0
1.109666833	0.8391414604
4.4014954253	12.8207196533
17.8730420272	16.6498714712
8.3492028465	7.8921912207
4.0435085045	2.5089170677

gene_expression_table

0.6276046513	0.3164007238
0.8047398068	0.6310914921
12.9199467537	15.1112372244
0.6055383626	0.4696557245
0	0
0	0
4.0022027241	6.3412523861
0.051131042	0.0515544257
1.140534264	1.3799739661
75.4966951361	85.1905017171
3.2688291976	5.3446967024
8.4563474072	5.9684583412
0.8319494853	0.8388383316
0	1.0740648436
0.7283477602	0.7908694191
2.971970343	2.8388646428
77.8862426173	79.6713676783
14.4117328626	14.3719680088
0.9150012032	0
1.3672665916	1.4647498131
0.8388321325	0.7960263243
0.0778575688	0
10.1211388973	11.6422619181
202.2484754514	216.3258488565
78.4946615716	84.1170633421
65.4456337104	70.2107505527
0	0.525344598
0	0
19.9636626158	15.4112419285
118.1459316957	137.8953129789
3.8950379321	5.4982063807
12.1134436352	12.6349110851
6.4927270622	4.9540999493
4.7702113267	2.0613044668
11.3750997244	22.6285986242
0	0.4500946255
4.1320530295	2.136547662
0.3616838414	0.729357432
0	0.1924585758
0	0
9.8610075209	12.3288987379
34.4090033308	31.2051481459
1.1310198542	2.2807702252
7.3887007652	9.31235239
207.8508094237	211.3631029404
222.4814550509	249.5285911262
13.9748666779	30.1941079052
6.3028408005	11.348268981
29.4408304311	42.547942839

gene_expression_table

0	9.6487320996
41.1189589501	48.9521086759
6.6918236533	13.494468805
0.6054942761	4.2735559322
1.4723552158	0.7422734279
2.2053605559	2.0846453892
0.2049300036	0.137751266
1.8696080891	3.0161426055
37.4900075861	44.8880208031
2.1600619288	1.960153229
1.0131704567	0.6129359274
59.3349220389	67.4404852454
293.4931520604	269.8124960679
1.5038905763	0.7581716704
54.5940799019	63.2348206808
0.3969420939	1.0005722992
31.5968327084	42.4779547311
27.8946509449	23.358573125
172.9764613696	191.0191288097
0.9272565608	1.246579446
5.8384097394	11.773507818
193.1506428311	267.3386375319
3.604159669	5.1914334719
418.834217894	439.40823522
16.7554641355	13.7510975093
2131.2829821947	1876.3052379831
0	0
29.0685290293	27.2157108687
15.3064581439	17.8700224651
3.7588673552	2.8424941145
69.794733594	77.1555664776
11.5615362878	29.1431751
0	0
0	0
49.5715615195	47.2052526268
2.8362783602	0
5.8648887513	4.223894412
3.0921831747	3.1177875832
0	0
48.9845590548	48.8962674418
50.5835032466	76.0561406894
14.545989926	23.2937513684
74.6108414058	76.288204883
1.3616282538	6.8645151708
0	0
1.4146396966	1.3643380645
0	0
1.0298059509	0.3461110404
2.8478756206	2.2971656585

gene_expression_table

20.5171106353	24.1763732849
10.6438268216	11.4027092038
2.7794569497	1.4012359353
67.3351711729	74.7803994023
0	0
0	0
8.2862890324	10.1929810971
7.8911158465	2.1699428657
0.6205529137	0.3128456595
7.4064955751	7.1359207774
0.9983778518	0
0.8073218771	0.9460079001
0.6652189502	0.6707272066
5.5033885216	2.2195834372
24.6063035759	27.3606189491
1.4974369496	1.1614125197
13.6449684679	13.0432549024
4.0264476463	6.5309634758
247.2071210239	194.1998287867
0	0
0	0
1.3388725122	1.8473121333
0.2085013295	0.0900976272
3.4005471611	2.9637957924
2.1155516489	1.7064553527
2.1885529388	3.795480928
1.7790476344	2.9352744
0.4437751974	0.3835284158
0.0360621391	0.0363607468
36.695942555	40.1265419168
15.9900418558	16.7425393033
11.7131115827	17.05903396
8.4320561214	7.4391420534
1.0326820616	0.7933204168
8.2328029856	4.1504868038
0.3332971668	0.432073272
0	0
8.6955578752	5.9778820072
5.1809639321	3.3486309037
0.1007021438	0
12.3181095428	10.530091564
20.4728174475	30.2882930794
0	0
0.5983004923	1.2065092788
27.1836357465	20.5565446502
32.7010785483	19.3283290557
0.1663528553	0.1806326499
0.0599380082	0.0120868634
0.6288064251	0.3804079035

gene_expression_table

3.4081509856	3.4363717232
0	0.5353486241
2.8450879217	3.0735495976
1.144556756	0.6251018068
1.118984241	1.781447116
0	0
2.861297091	3.726445001
3.5509079575	3.6826053687
0.2913187747	0.2098078577
0	0
0	0
23.3091388832	25.8233467969
8.0921004496	6.9935194313
0	0
3.7561185465	5.2532414537
0.0101307063	0
9.4394923449	9.9666007775
0	0
0.085749424	0.1729189211
2.6755353591	1.4567524764
2.0755334405	2.9065550237
46.3112412733	59.53576201
125.3154711404	147.1235064975
2.2482172137	2.8467208572
7.968156583	7.741985442
3.4321310993	7.4154651451
18.5290068352	20.6490057721
544.8524690881	192.837991994
2.6374920162	1.7728876103
0.1879433678	0
0	0.2559326579
15.5192589523	12.416160642
6.9747366097	0
9.369947063	5.8574708657
432.7209456279	478.2197047779
2.0424423807	4.1187091025
17.779173794	13.6806674726
9.6346517323	8.0474569498
1.1524971118	1.6268562937
0	0.2352522786
0.3928256172	0.1980391785
0.3200647658	0.3227150192
0.550760003	0
0.8712843602	1.2778166016
2.8734289682	3.1346992258
9.2008438997	5.0761108942
2.5604445051	2.5816459228
3.1056782123	4.1277471171
0	0

gene_expression_table

2.7914383777	2.2026932681
0	0
0.4251250045	0.4286451951
0	0
1.4597283026	1.8773155449
5.7212741144	5.2535904691
0	0
4.3962281193	5.8971559919
0.5313474063	0.4500276121
0	0
12.641498978	11.2466251911
0	0
1.7427341459	1.5814481603
0	0
0.0764556425	0.1156330848
3.3728754684	2.1439852009
1.2652774577	2.2325702318
4.9837155737	3.1406141017
0.3881567198	0.782741599
2.3451438533	3.0036334495
40.0639578132	52.8892181456
0.9806923985	0.4944064452
25.0964372364	22.8997691606
22.030356669	23.1287668522
0	0
0	0
3.410411018	3.790045408
4.8462357137	3.6076895441
0	0
0	0
2.1144998066	1.1587003473
0	0
0	0
0.1532817323	0.1931887015
10.8713578731	10.2598485869
0.3954222874	0.3986965287
0.9225424471	1.1045904555
18.70737517	13.9021982876
89.8938417069	87.2812254112
0	1.0577436921
2.0227945241	1.9858717925
2.8065421823	3.1415369545
1.2961830417	2.1781931862
0.3122502642	0.5037372971
0.6524151297	0.7400445365
0	0
13.2384602092	14.0045424318
12.4562565206	10.72781988
59.5060648549	74.5616116224

gene_expression_table

1.2331765099	0.7912466945
43.7322548211	60.5474984868
0	0
0.4984158978	0.7817334993
4.1826770429	4.9840949834
0	0.2532972852
116.7601258302	112.4840421395
0	0
11.7180117458	13.8826733772
0.1915527633	0.337993058
0	0
2.4494661176	2.8225698213
0	0
1.0810956337	1.3625593766
0	0
0	0
71.7054551943	79.4272930071
46.3992545013	45.8895058981
0	0
0	0.8033655741
38.7575210484	52.1045966784
45.189808368	71.2667637904
8.2797993282	11.2381757078
0	0
0.257901235	0.156022051
3.6225131689	2.8535225811
0.209649897	0.0754949553
0.0224813948	0.0100744662
4.1951889127	5.1323109564
2.532764907	3.5301660291
41.3233487974	31.9284700888
0.2723965119	0.5493041094
0.4887022087	0.2463744209
1.6268267989	3.0755578504
6.9195721453	4.9026645168
7.9356090445	7.6376224833
1.0090510114	0.7630547424
5.8354510858	6.6682735242
1.8395032177	5.3323630606
2.3463481519	2.9572209668
0	1.4335304502
0	0
1.9812956199	3.3960925037
10.4062782079	17.9870502863
0	0
60.3775742392	78.841381797
5.0675623201	3.6067225348
0	0
1.4510194232	0.7315171976

gene_expression_table

1.4908454353	3.7579754531
3.6544875096	1.8423740019
0	0
0	0
0.316206446	2.072360882
0.5177893586	0.1740256147
0	0.739719735
13.4249957944	24.8162927345
2.0816856309	4.7975377139
1.289506175	0
26.334919681	27.9505078474
5.0296091472	6.3390701899
198.5394852173	178.3947883811
37.6163009967	59.2621527145
9.8243269824	9.5094489655
0	0.4783947655
13.8504103977	15.4507454681
13.6243376036	22.8952535097
7.4844595873	4.8297175374
8.14399107	7.2639540319
0	0
0	0
15.4852917726	19.3822952977
0.645479925	0.397726227
0	0
0.7742452565	0.4203533873
1.0304749264	1.2506573396
1.7466228139	1.3697331589
0.1664962862	0.2238332485
0	0
3.1824046522	2.8198159908
124.3022892601	116.013226284
0	0
3.026092364	2.7545099801
1.4054463152	0.4723613084
1.8159099258	2.1361040454
1.1117605267	0.7655379684
7.1172935664	4.9491223188
0	0
4.3263678164	3.5609728371
11.1665501905	13.8572471548
0.5599802024	0.8026418755
19.2278442032	20.3327679272
23.5253719798	26.7219788695
1.1306073936	0.8142637405
0.791390802	0.5585606653
2.6508494803	3.0546279821
5.5828767555	4.6501302326
4.2007487452	5.5809369179

gene_expression_table

0	0
11.9666575054	11.5001639748
6.7125352813	5.992155011
49.2704127451	48.3963668341
0.3440344019	0.5203246989
0.008386	0.008456
0.6664106335	0.7919160356
8.7750813927	9.94005614
6.9714523936	4.6861190474
0	0
0	0
0	0
0	0
0.7541229683	1.0983084413
3.7985801282	3.6172541086
1.6882317142	1.8975465667
7.1086656933	4.5268598193
1.6985101127	1.456966279
1.321589984	1.3480278053
0	0
0.1180837398	0
0	0
0	0
2.5354259778	2.9437566319
0	0
6.5943341938	5.9840439251
0	0
0	0
18.5583447786	21.3382623385
86.3574357357	86.6743094722
51.0003289962	34.2062431212
0	0
1.4394112678	4.3539903599
7.8850716985	7.0861930893
0	0
0	0
5.9406500979	8.2360311758
70.8675662512	66.1717564281
2.4587997327	1.4740948345
0.2466054357	0.1491884514
0	0
0.0863202212	0
0	0.1839618369
1.0100245718	0.3818954793
7.5202947212	6.4451806869
58.9807543889	49.9621658027
0.5404108306	1.1987483862
0.0823098363	0.010373924
0.0162748783	0

gene_expression_table

23.7360690028	20.9410357993
82.4736132887	87.1840489964
1.1950073656	0.903676848
0	0.0587024539
55.8533164812	52.721176701
7.352975861	10.2858975103
0	0
0	0
0	0
9.8479555196	8.4018847811
1.6525961743	6.6651211021
97.958918176	134.1503716791
3.5385107565	2.829643144
0.4556540892	0
33.2427544532	24.8990980663
0.0705853264	0.0711697987
4.304395173	4.7740408546
0.5729171091	1.3286204667
7.7382628966	13.5113667499
43.2905644459	46.6593038313
8.7869440234	8.8597031361
7.9967292657	8.429442616
3.8990024287	4.1695474502
0	0
0.0252700084	0
0.1239909784	0
10.7104278284	10.6220794339
7.0422730461	6.5088701742
1.1811361607	1.5878885339
3.441267314	4.4902805807
0.5123827597	0.1722084922
12.2276278469	8.5353764407
9.8445323642	12.7620626085
0.4292225599	0.2163883399
3.424771386	3.4531297466
53.2966781119	46.1499903158
2.7126714117	5.4702666477
0	0
2.9147266687	0.2671692429
1.6201586605	0.9047487696
0.9956156098	1.0038596714
5.8287178241	7.3936221905
9.49782179	13.4290689903
9.5736184829	12.5130075623
19.3055624527	18.8872387966
0	0.6250345047
5.238403336	6.6123037727
0	0.0436877868
9.3659203324	9.8827049102

gene_expression_table

6.4229020131	8.0852952394
0	0
19.4819564556	23.1614725475
0.6310502455	0.7519620402
27.369963606	20.0702523074
3.1495241351	3.9695041846
11.9298001477	15.0866976475
2.8524940159	2.761069162
0	0
94.7963385113	59.7915628252
0	0
2.2052338547	2.5570180979
1.2683175756	2.1787298752
1.1543654551	0.8978842468
0.0880791365	0.2072197492
10.4157749043	14.7684674994
73.2130737291	89.1510065385
31.57782692	26.6242446539
0.6650470773	0.6705539105
8.0017010829	8.2802727834
4.9106946725	5.825125908
25.9566439128	24.1941665796
7.2966248659	9.0430327467
14.1683703595	13.4328126578
0	0
1.8850652902	1.611441272
0.0101680715	0
0.800683451	0.6669110721
22.5383148684	8.2964067999
4.9592119477	26.155290044
0.5943375557	0.2996294441
0	0
0	0
214.3445484282	222.915607283
15.1923914618	17.2329637768
35.1543604487	32.867600408
28.3579665536	26.9905992082
88.7406350068	99.0964549936
8.5151270465	9.1580111096
28.1481442677	31.6858839481
18.1996412722	19.3422512857
12.0971637174	6.7085329634
18.4622474322	29.8707765186
7.3707391826	9.1711224011
6.0000140603	9.2337470954
23.7391011503	24.8562722737
4.080732488	3.5189994609
1.0653230713	0.859315469
0.997910649	1.4086432001

gene_expression_table

13.4206540675	14.9268110671
14.9728242175	16.5345956045
20.730839191	34.837496879
0.5849319866	0.9650870797
0.3570350799	0.1309059858
0	0
0	0
0	0
32.7090860606	27.5780442995
3.6346474789	8.4289104878
14.020838598	15.9970594674
0.1654916912	0.2860491823
6.436640131	5.3530144452
7.2609845729	8.9126534399
0	0
4.3169199583	3.3118108097
5.0048470436	6.9603986331
0	0
122.2805715856	156.1442213753
3.2049999602	2.7237253349
14.584932208	19.1174110206
11.2420225183	21.7982895761
4.8356143123	4.5099808461
3.3602417925	3.8224332378
24.0145928711	26.9694440742
0.1940234228	0.3912600155
3.2305355568	3.8156773862
0.933100981	0.4154302799
0	9.2810878975
2.3082778141	2.3894549646
125.6819728227	172.6273046149
26.7740656007	24.3577420581
0	0
0	0
2.1164700306	1.9205956594
0	0
0	0
4.6306962936	4.3535644678
5.3184312875	6.4796510629
1.8475799914	3.7711933241
0.0535609838	0
8.6514531597	10.488477693
13.3463228729	19.7158284793
72.2680741757	72.4301540523
0	0
2.9897764621	4.1868512577
5.5180948366	8.4002269507
9.798941613	8.2477193206
3551.5370800644	3366.9407906778

gene_expression_table

3.4258781836	3.3391041853
134.2726891366	171.054688069
15.2178805824	16.1514633723
10.5867992366	8.7992185184
2.3269480283	0.977590004
35.5223969582	24.3339518689
0.0550310798	0.0184955858
17.6934237447	13.3255587912
0.091253587	0.0613394667
3.95442656	7.9743413186
0	0.1567282936
0.6185666284	0.2982858457
0	0
46.2058956577	26.9032168004
0	0
30.9979632011	27.5991245031
4.2488509711	4.6486315666
0.1807723667	0.4556730701
0	0.0678683214
0	0.2772403483
388.1179268463	581.8932016795
0	0
0.7884716233	2.1578583833
5.6073372803	3.2980313832
0.4234185227	2.5615474981
1.1250547007	0.6567408537
0.5003133981	0.5044561762
51.1786077843	46.4942704719
0.3577954929	0
17.6477250354	25.3336235811
1.3729313573	1.2977809982
1.96865775	1.0951497692
0.0177188296	0.0357310959
0	0
0	0
0.4479460291	0.9425847364
20.2584413155	25.2032811256
3.6044981196	4.5429308542
0.0144929911	0
0	0
11.1034270229	14.03152722
0.3813515082	0.5767638575
0	0
1657.4133893012	2076.1247255707
2.8146485487	3.594742834
2.1986486036	2.2700587201
1.8645601057	0.7637497342
32.0222617225	33.3565375641
101.4219321503	97.8915829193

gene_expression_table

0.0530497183	0.0534889893
0.0824777079	0.166321307
0	0
6.3706083918	7.2611888429
0.4066420702	0
0	0
0.0444077705	0.0447754831
0.9818983265	1.302669479
0.841810204	1.315610086
0	0.0226800453
4.3899394739	4.0238997996
320.3904940725	328.4500294806
10.9524142801	15.775863256
4.371788209	0
2.0177989135	1.7438631661
0.8082039685	0.5432641288
5.0203865418	5.5086004605
0.3100926388	0.4689904791
88.5791549431	85.6672095937
0	0
0	0
0.104086432	0
0.4131556317	0.1851452051
7.0701292346	4.9163258568
17.1227442855	25.1568820185
0	0
0	0.0200006218
1.3824707537	0.6969590588
10.6209201577	11.8243720624
8.2895391898	7.5675409968
6.3635455118	7.1036920691
0	0
5.5382809853	4.1274078106
0	0
0.2149417655	0
1.4793221466	2.1130595902
10.9020498392	7.5572219265
0.2468591929	0.2489032774
0	0
0	0
0	0.5478440214
8.3538882564	12.0852621648
0.1819851151	0.0917460092
15.6220020385	22.681955424
0	0.0644019489
0.7814090407	0.7878793935
1.8691629925	0
7.9697256166	8.2123270456
2.7180315547	3.1320432581

gene_expression_table

2.0166882912	2.3587291617
0.7001027567	3.1765493871
1.5543713003	1.3433503402
23.316394149	21.7399329968
0.4482401768	1.5818311934
744.2072767684	803.5045646939
1.0366663794	2.3518133021
47.6192038732	41.3826910234
0.8897433967	0.8505076394
48.7760728149	45.7487967915
0	0.1507444751
0	0
2063.6135774752	2004.4136673755
0	0
14.3437158388	19.1530233986
4.4654936039	6.139731171
1.1994866723	1.209418861
0.3691852323	0.2030412115
0.2314769439	0.2934091697
377.0143370659	343.5358186616
0	0.0399867784
5.3528367891	2.3612576037
156.1625432075	176.281842403
0.2740561222	0.5526508144
2.1092939246	1.4667307933
3.4521705234	3.132680183
353.2051350816	359.598599662
171.9523223052	203.4716331956
118.635425198	180.0697612026
0.031010767	0.0312675475
0.4202986598	0.2648618041
5.4885402783	6.0370771644
3.4449626783	3.0393022014
27.4712226248	39.1040391574
0	0
0.872932581	4.8408843027
26.4342131034	27.8785278594
5.4215113666	4.4623701756
0	0.064782124
1.0021138406	2.526029275
18.9645753337	25.7272556901
16.8281901875	22.2193894499
1.9420885107	0.3263616191
0	0
0.0118547875	0.0239058991
0	0
0	0
0.0312287524	0.0314873379
67.9025289964	65.2574274091

gene_expression_table

8.3802707581	9.3885138526
0	0.1705390699
1.6664317314	2.1780764393
84.1037688711	102.7578637964
0	0
5.6926178596	6.1812744206
0	0
0	0
11.2032586426	10.9299508171
12.6665376782	21.99522548
106.8625930007	130.6212156508
0	0
13.1406414875	10.3051284068
0	0.0185795821
0.0133114585	0
0	0
11.3353415948	7.1432514826
7.0500625353	4.6631363996
17.2807901185	20.063863414
0.8831324473	0.4452225536
0	0
25.4403250467	26.4708745957
0.6623227286	1.1872124502
4.5215198787	4.0967610371
0.3874853672	0.2404270079
21.2517316371	24.205369055
0.6542300562	0.5654119891
13.425465353	14.3488311074
1.6689171825	0.4807818365
11.498484665	18.0594115859
8.2845961774	7.0738774109
1.6999916554	3.0853227754
1.5931870052	0.5354597256
0	0
8.9400623262	9.8784540433
0	0
12.1193533398	15.2746325267
36.3094734226	47.0701660534
21.1983755874	32.6895031355
26.7426937791	25.0135362115
353.8690448049	390.3991356267
0.0971820051	0.2286356511
26.3624007717	29.019286613
2.5566807599	5.1557020248
3.1997606169	2.5936566283
1.4242783108	0.7180359283
54.7223068648	77.8947213108
0	0
23.6996316139	19.1429217711

gene_expression_table

1.13170218	0.8595095989
2.3124127894	2.9674405264
0	0
0.0159979024	0.0483911126
0.1004640523	0
0.7945650087	1.4878394101
4.3897634308	5.9278289448
0.1933826155	0.2816434029
9.7641392862	10.3677327617
0	0
66.3277052754	67.6456232163
11.9943799474	10.1192165295
0.3426266503	0.394815685
0.062520578	0.0630382713
0	0.017815765
0.5435791093	0.428932286
29.4961325374	28.7490256007
4.3329871538	3.6090631128
21.4239550482	17.453893416
3.472026863	4.6485720953
0	0
1.9921662547	2.0086621205
1.5055658304	1.6091144146
0.2416462619	0.5482061582
3.0901916441	8.1010268612
7.6025243019	0
0	0
35.5044917038	34.6051991608
4.3017437856	0.481929311
183.3177875478	165.6128104305
0.3758008662	0
0	0
2.1747479023	1.0963778055
0.6063870533	1.8342244802
10.756926803	26.4371203546
11.8212794136	8.5955509139
1.489821165	1.7611500898
62.4796127002	47.3977178496
14.0216622741	19.4394293087
66.3375872339	89.9513304397
178.0549896904	169.8425147358
21.4837502661	36.1027393029
4.0390354762	5.0906002104
45.6282230125	74.8935557674
2.5996817118	2.621208028
3.604320828	3.1149993632
7.0617069558	5.6961443793
36.1977225981	44.5090890126
5.3920631872	3.2620268664

gene_expression_table

6.5370479611	5.3671013617
2.4710923053	2.491553854
713.2758635085	653.4875346657
1.353572229	0.909853535
24.6900283906	26.6476026136
240.1687321177	219.5560581947
639.7383412558	710.2377642895
21.4646807203	12.3670949332
112.2516285647	130.5935920796
0.661722224	0
29.9584784198	47.197727479
1.2129337872	1.2739347114
18.4131812575	23.8983355925
13.4524417554	8.4773955606
25.1360342426	28.3553582983
21.4680775942	18.8224705517
0	0
9.6604783076	21.9160588587
20.4567492843	22.5012421702
212.2343621173	252.1288821568
1.7733109403	2.6819919059
9.9699481754	14.7197365292
33.3999937202	47.9243323866
99.7697916849	112.2931223195
8.4299342186	9.6083985281
21.0850387441	21.2596305825
0	0
59.6990848407	73.5697295842
4.2940796057	4.0891008145
53.0405676835	75.6093201005
135.3912568301	144.4903402391
10.3755733195	22.5324332461
21.0223295129	33.664873917
58.4634828669	65.0456076181
0	0
3.9828067938	3.3464882432
1.5203710249	0.3832400634
5263.8872911382	6601.8745204088
2.8466955431	2.0501908744
2.5190221983	3.3865074989
170.3844571349	122.4679386328
3.6324404062	3.4336109459
7.2913531661	6.2206931254
0	0
113.7747843202	142.1843034323
0	1.3202912167
21.9332011084	25.0151197848
0	0
6.249037651	11.7014522301

gene_expression_table

0.8388309667	0.7086238005
2.0666349861	6.2512424407
1.0855091809	1.5154582074
0	0
2.581816787	2.8309747528
2.8511496129	2.5365513312
21.026443393	15.1017616727
0.2806736194	0.0754660533
0	0.0119311596
3.8628950495	11.6846437033
2.3951100931	2.6161876881
6.7345023612	8.577178744
5.4839536023	4.5936244346
0.6840065285	0.6085326643
0.1191448496	0.1201314126
0	0
0.5721101535	0.4326355763
0.2869496671	0
0	0.0954116276
0.854497808	0.9007357882
3.2095452409	2.5326167872
1.2325309482	1.0936083449
0	0
44.6521375629	36.2676204045
4.5984152443	3.4619138816
0	0.0512706151
0.810247643	0.8807815393
65.9603595748	99.7598032424
0.0225436867	0.007577
0.1197737736	0
0	0
0	0
7.3185973305	8.5651405301
17.4124803025	13.1056772771
0.0731465465	0.0737522267
0.3744111713	0.2894254319
0.7676266464	0.6191863008
0.0263899103	0
0.005733	0
0.2365604615	0.3816308299
379.8930464721	323.2987192204
5.6644703147	5.1285809163
89.8882973247	63.4428237293
1.3641426889	0.8090813468
3905.4242434925	3408.5482878046
0.3734930961	0.3765857556
0.0143862542	0.0435161329
0.1434906686	0.206684034
1.0060834517	0.8940599649

gene_expression_table

5.3288755466	2.6865002933
78.2997969805	51.3162961733
4.3635051696	3.8496820159
32.9104730735	40.4151726214
1.7961769057	3.6220998159
1.6562725543	2.5606468824
2.7414870873	2.6325596227
0.3384262077	0.5849631438
0	0
0.0844047967	0.1985752984
0	0
4.6362941169	2.9747991186
3.9117979921	3.6812431705
0.3242693252	0.4086929924
20.9628782075	21.616832569
12.5936587856	17.718054265
0	0.9339318661
1.7526705607	2.3425453238
84.5733652092	90.4058748657
8.5873381244	11.1560726274
25.4650827809	19.1290889983
0.6878906895	1.3871733524
73.545706305	77.9332746876
52.9176849087	40.1857446984
4.2069805591	5.0326629298
0	1.7917655802
18.4132409194	28.7326453357
17.5673982706	10.5714863447
1.4478153837	1.9159925203
12.8292950513	12.5043420998
12.2171497317	16.1875256516
0	0.0720325646
15.3991070319	6.537523063
7.8358152035	6.7720273898
5.2786111128	5.0562039477
0.1905653126	0
5.7634084798	8.7166974173
151.9820368729	235.206354619
34.6498198875	51.57327264
0	0.4939437148
81.5898174355	95.3530900082
8.6149302813	15.9248192716
14.8118055961	11.3501841036
0	0
3.0399393196	0
0.0333766851	0.0336530563
0	0
2.5406045544	1.280820845
117.7425468854	152.8357235791

gene_expression_table

63.3629818496	43.218116536
3.1105591957	6.2726315288
535.3599803141	471.8944717591
3.295463246	1.8987147931
0.3548786019	0.5247984524
1.0128469002	0.3927821705
0	0
4.8403909805	12.2011779738
0.1561141257	0.1574068078
0	0
57.1833154195	55.8550387577
7.7570159263	8.7989027146
4.9979557911	0
12.152820539	15.2340193432
24.5580937142	29.7137324628
2.3227549908	2.8103859028
0	0
5.5764607907	3.5780410446
3.8572878995	0
99.3649197348	111.3196640444
0.7251624816	0.8774005108
1.3152665467	1.5913889221
20.8198868456	23.1127157685
153.3960232605	151.928743639
2.5746464481	1.8542610451
0.838934422	0.8074319649
3.680164658	3.5998724618
0.1704487479	0.4010069605
1.1854921548	0.5610631565
33.5167537391	26.4977914344
5.4816643544	5.1018965
11.0206571201	11.1119121948
5.5378612047	3.6643140991
354.1489752871	464.2058959571
0.1600168162	0.322683628
4.6473507326	4.6858324977
67.4347721681	83.1027471562
7.4634233447	8.7361786827
1.3743856469	1.3857660631
0.1502164176	0.3029205291
35.4936467241	49.3287811522
0	0.0269342177
0	0
0	0
0	0
0.0969227091	0.171019213
0	11.228859729
0	0
4.3655729855	3.3012911458

gene_expression_table

0	10.5679377668
0.1301809956	0.2625178837
0	0
0	0
0	0
11.4867010201	11.839188778
0.2749460423	0.2772226961
0.2673001426	0.2695134856
8.6876994818	4.3798184067
0.2651896006	0.2100885817
13.3760468874	14.9853393906
4.0097503437	4.7616996632
2.6693181358	1.9811849521
2.9626308032	2.6424898779
0	0
12.7107953704	12.7211117388
3.1816163648	3.5105991725
2.6814487541	2.1242981032
0	0
2.6059646707	1.3474579549
2.1124892605	2.5783985911
0.926888353	0.5607379967
0.1221124998	0.082082424
54.5649645041	69.7159227133
0.0183043293	0.0369117916
0	0.1102499331
5.8616115498	9.3318123773
0.3032478206	0.2140311765
55.7132533866	78.2760534252
4.5903638611	5.3591696099
2.0753505646	2.0925352269
6.3731979434	7.6123033438
0.0366154488	0.0369186381
111.8051362048	81.1662650321
2.7145898497	1.9424351045
0.2733878173	0.078757591
0.8635064409	0.7981018744
1.9364113307	1.9340262279
3.2613519403	4.1104464101
48.65026121	43.9543935303
2.0044667259	1.9836373247
1.9057897934	1.5738576859
1.8481916586	1.863495362
31.9531357625	32.3379347932
0.5139640065	0.5182198166
0.3243926459	0.3270787357
1.2331645045	2.1759072264
1099.8462159826	674.2399769978
4.930968245	5.9661581603

gene_expression_table

0.0602819025	0
0	0
1.8298431602	1.903566199
5.2026506265	5.7907414368
4.1980642153	6.3492385854
0	0
9.8994452141	14.1671714429
3.1045491285	3.1302559317
2.0359423873	2.0528007355
7.8436465232	7.1397036275
0	0
1.3807302329	2.0882447769
7.5853262423	6.8126249169
0	0
5.0259504514	5.9121616876
0.1630709839	0.2959582884
54.3469856068	53.7432101063
3.8390478253	2.9364966905
3.8167597996	4.1866816792
11.8265848741	14.3813226038
0.9715576712	0.6269456156
8.626223966	7.972847903
0	0
7.4410229043	4.6805443691
9.4410218404	12.7154236723
7.3405539741	10.4852266344
1.2520594512	0.9818876369
0	0
0	0
0	0
0.5413101181	0.545792364
0.7060634788	1.0170142041
1.8302504948	1.3026392745
0.3470760788	0.3499499958
0.7122753074	0.5223077874
14.416743613	19.6068588968
4.9417989844	4.9827188888
0	0
20.2934057215	23.7352733565
34.8719457648	31.1524801142
1.7335398569	2.1989636728
3.1122405791	10.9830387458
0.6537330715	0.2197154069
1.6744079891	1.168804177
0	0
74.9993846963	58.1695438869
3.258015665	4.2235627207
0	0
0.4369496877	0.3166580998

gene_expression_table

0.4476006448	0.2389272046
1.0116969335	0.7062051838
0.5915090872	0.8770691162
0	0
0	0
7.0423448262	8.3432731724
3.2156242203	2.6783810674
0.185356783	0.186891605
2.4533676889	1.2368412357
0.9595675299	0.4837565501
0.3771115633	0.2851756388
0.4333291993	0
0.5776708208	1.1649082934
1.1637691272	0.4141431394
0.2862677037	0.4040933471
2.0562406135	4.1465340769
0	1.295637661
12.984552495	13.0920693423
4.9547664567	6.8692163877
171.1271238775	171.1254624161
17.4427843263	21.32450057
6.1942811652	7.5926562547
3.9347923081	4.29124108
4.4661233893	5.2195075184
0.1230511442	0.1240700527
2.408907195	3.0585566727
0	0.182269228
35.2426884037	33.4510541062
40.5321584442	42.9635631185
171.3749373119	211.1152310866
0	0
1.3566353161	2.1372949267
2.6416944368	2.2277119482
1.0494695215	0.7721704556
6.1079471515	5.1321026579
5.8698771219	6.3919604012
0.4241952886	0.2138538904
0	0
0	0
16.6002914061	19.4157875582
1.9466300638	1.9627488733
0	0
11.7120526267	11.8090327093
0.0680456077	0
17.6555528104	19.9964832123
44.9128726913	51.3538602968
2.052782755	2.4837366571
0.0782049655	0
7.1860323123	6.1676870651

gene_expression_table

0.6266767726	0.4212439238
0.5296605029	0.7120617143
0	0
4.9098536308	4.1018503275
0	0
29.8707458917	34.6239420767
7.0950647829	5.9615120969
2.9299677072	4.9526778824
27.8147104894	28.7550271432
2.0265976795	1.879908358
2.910980633	1.7167476068
0	0
0.4600397409	0.6065718194
7.7131023834	6.9336838238
0	0
172.7876960364	181.0061728869
0.6226500564	0.4708543701
0.1341276754	0.2163812827
0	0
0.0693658748	0
5.1054062203	4.3521301753
0	0
2.0026591552	3.5336733356
0.4440914054	0.4477686448
54.4175767458	59.5520427285
0.3671465771	0.1586514365
2.236905283	1.5036184516
0.085463041	0.3015974719
6.3560031835	7.2097123683
2.5350728415	2.6807502297
1.5496286022	1.1718450706
2.9150788286	3.6740209353
0.2762984414	0.4643104894
0	0
0	0
6.5502219241	3.0820814076
1.1244202639	1.4429302049
6.0303509417	7.5665762103
20.1269345303	22.9994053038
10.6672442266	12.7722428345
0	0
1.0615518772	0.6422051491
7.4285347893	5.0825310625
3.2040317592	4.8458434724
3.8315332876	3.8632597857
886.1695543597	916.62954946
0	0
0.0752559562	0.1138186546
0.8940740153	0.5795211056

gene_expression_table

0.0727682857	0.1467416675
1.6655033472	1.6792943245
0	0
4.2463232425	7.9114384787
0.1669979814	0.0561269286
178.5236306722	151.9090940169
3.1139237811	1.365090526
0.8036166006	0
0	0
0	0.0233548718
0.1570560326	0.2991178599
4.5241871408	0.4146953697
8.214707243	13.5139246735
0	0
1.8660233266	1.2442009999
0.8618470213	0.7667500854
17.1959478511	19.0880769835
6.8261271649	5.7138981102
8.8259775042	14.4139701447
0	0.2167701161
0.1874843722	0.3308144201
2.2956001276	2.5968778707
52.1652114932	28.8436030692
0.6554546881	0.6168232866
14.3403364167	20.3910097644
0.0263329419	0
0.3936029775	0.4804120815
27.3632324073	23.3452238353
0.1424172621	0
5.4596397357	9.8628518624
1.6628719074	2.6629005633
18.970456278	13.2767620868
0	0
19.1936735451	21.195709348
1.4437683545	1.0398023464
10.9191069056	13.2114253288
0.8515336939	0.4292923523
1.0968082534	1.3404730027
1.9933737383	1.7734231786
0	0
1.1504726712	1.117817224
2.4041387047	1.0773537125
18.2739981912	14.5076389356
36.2121881954	43.5335842081
0	0
0.7026051316	0.7541276663
0.4577552132	0.6153941252
0	1.2772982354
1800.762369839	2336.062098579

gene_expression_table

54.9365468509	60.9677611876
0.5499708732	0.7393664444
0.6016886943	0.5777818066
12.3471992905	13.9219528653
7.3537510935	8.7941112804
1607.5626758712	1214.3239168993
1.4503165325	1.4060823887
1.1095331833	1.8071639236
2.7736337828	2.0051097822
4.409344276	3.8015284111
5.0595902674	5.6116340794
2.7402134075	2.0721775331
0.093349153	0.0941221182
0.1701582608	0.1029403401
0.5254284606	1.5893376017
1107.4161709368	1076.4321294226
1.1068988525	1.0044579422
4.6892724892	6.1465317963
2.5030130108	2.1632047497
1.0617574241	2.9440102014
0	0
29.8014755243	24.0385941197
1.5656217285	1.2915700769
10.893169149	15.8648657219
50.4232675601	36.3860560688
5.9369108174	6.2780740565
0.5680952216	0.572799258
3.4968178429	5.1530525166
10.0493423302	8.8659852426
1.5599146766	2.0971084548
18.6826241252	34.2496783476
2.5940531459	2.6155328554
13.2403138959	19.0713550588
2.3838857793	3.5347429796
15.5612028954	19.4257828157
15.3400845594	21.9117336054
9.0153371507	9.8474863956
0.3328503336	1.0068193687
22.2556279083	14.0968682054
8.037268118	8.9568532862
9.0896516687	12.2198897487
11.9257341599	17.5357052556
4.121631959	4.4328112856
43.9514890939	33.6572836791
4.7737099988	4.9983626059
4.6172974043	4.9071806042
60.4698166223	37.3540961483
1.9166594778	1.7893797406
17.1255069368	25.2753413428

gene_expression_table

723.4248994332	852.5514997112
1.5625393702	2.8358599826
17.6074772823	19.5286010028
2.8301705561	1.7665176312
4.4621377458	6.4986796038
106.3985872825	123.5752429642
2.5291654168	8.0753414685
2.9014538759	0.5850957952
5.1277348886	5.8164687116
0	0
5.2247232952	31.6079154986
9.595428962	10.456691323
4.2002079598	3.3879897753
3.5703306716	2.6181049574
3.08390202	6.218875715
7.917751692	5.8060462357
5.151848319	7.0278631001
70.1115451487	66.407725047
0	0.6251466829
54.7912298617	57.5467930206
0	0
0.733570109	0.4437866028
15.2943964705	23.131559507
30.7868019141	34.1459006928
314.1579343437	314.5847282161
10.6664399667	8.3787099253
12.0915383113	12.9928269471
6.4592382022	3.6927811158
2.4906771826	2.5113009013
0	0
4.4784398094	2.4630125074
7.0518566518	5.1351795488
0	0
14.4781375839	28.1533278774
2.8159603617	3.2735199921
1.70092912	0
1.7289753429	2.8526594589
0	0
2.216305499	2.1814511931
8.9310723028	9.2484039004
4.1887520846	3.6437491244
0	0.555214277
9.2368637508	11.6416854544
0	0
1.5161068841	1.528660804
2.0696064239	2.3508882723
1.5897268537	1.2544359448
1.8731516074	1.8886619883
11.2195358213	12.4251364731

gene_expression_table

0	0
2.3058250185	2.8498995987
18.7139059739	15.8405277731
0.0375732199	0
1.4400112725	2.9038701859
2.1355458148	2.1532289158
24.2065641361	21.0692934878
1.7472117352	0.5872264293
28.9553615166	26.3770604901
1.5705523926	2.6392619021
70.0876126049	103.3650812194
23.8050375054	18.4016498123
6765.0537045748	5902.9192675584
27.0600708329	23.5635738343
8.7218168144	12.5629094999
90.0231760739	92.5276823355
0.5818937884	0.3911413879
23.762464182	42.6474224278
0.1394305485	0.4217552535
1.595947077	3.2183242058
0	0.7201737353
0	0
0	0
1.6237647773	1.3349559636
35.2425893088	27.3341621906
50.0067140053	50.898710061
7.1640110768	11.1910772982
0	0
9.6235710361	15.9410662653
2.5600911833	2.5812896754
2.4314379524	3.6773567229
159.7638973894	195.7824196001
0	0
0	0
1.5111166593	0.7618146292
29.3840115211	27.584058313
1.6218901259	3.0744015432
314.2965369933	281.8378583744
3.2565865788	0
0	0.6537523063
2.4774093551	3.5264798278
0	0
0	0
63.2377335237	42.5075767358
5.3278640388	2.984433724
2.8029103795	2.3550995862
75.6101299537	49.4866623101
23.5736472705	25.9696647445
4.0954174954	4.1293290512

gene_expression_table

8.9362194912	8.0961349114
4.596787941	6.556618527
2.9156851262	1.6799017521
34.9874359994	44.6032864979
15.6419105419	15.2935091263
1.2012612291	0
0	0
147.3356240022	133.9913407306
2.5243971726	3.0543601262
15.0578705346	21.6395039833
118.8741801077	114.6472626195
0.6827516982	0.6884051322
204.5102440671	248.8190875833
1.5408505989	1.8125443068
114.039031813	121.6683932916
0	3.3576173973
51.7043175101	44.6849555862
0	0
0	0
0	0
0	1.1403104459
32.3827056879	28.2974001646
17.8650334659	33.4526446094
0	0
61.3240303452	78.3202999657
26.0821973785	38.6254335442
7.994580185	9.1008786526
54.9378847013	43.6900882778
0	0
0	0
309.2008376335	367.5499682026
10.7619534043	11.4893643363
162.7080174292	231.1688309278
2.5225170082	2.9673051011
0	10.7805394242
3.4333005792	3.4617295646
0	0
1415.3133249995	1958.0215256875
0.7564899581	0
54.5823112135	61.3966163967
62.1930917548	95.2680344647
39.5412481051	39.8686641123
0.4452973356	0.4988717339
0.521904013	2.104902277
3.907461874	12.8044055376
0	0.0639951549
848.4083581461	1278.9976450739
15.8091515042	14.9739930006
37.6674769741	24.8592288898
11.8457876171	18.5130063653

gene_expression_table

1.7765599142	1.4169751563
1.2478433211	1.0646103943
3.2545833251	3.1367589752
0.0692822393	0.0139711843
8.476135063	6.9671091552
26.4741854437	27.484316986
4.9684841691	10.8541875793
48.9289990451	50.3409684349
4.1964230861	2.0001899297
0.0822279914	0.1554541299
0	0.6925937103
7.7232549888	7.9546731706
7.3784430645	9.9193856983
62.6235356668	38.1353165275
0	1.0424973925
0	0
0	0.1970543772
8.0472827084	8.9877236175
3.5286047158	3.7671065517
2.4056403656	1.6170399655
56.828271375	47.5688402178
2.0437473631	2.6788714411
2.6376018568	1.208837348
2.5079372065	1.5561254428
0	0
29.522237143	32.8249138606
5.3463435257	5.5491606543
0.6137919899	0.4332120885
1.7760459836	1.2627099512
2.019354285	2.0360752776
31.5679595746	29.4716239208
0.8716880833	1.2890621035
0	0
2.5226223342	2.669689946
0.1141785776	0.1918733633
0	0
0	0
2.3530846073	1.5421698559
2.5246882545	2.451312353
4.2404220587	4.2755343054
5.2838153589	4.1756608442
11.2100043573	14.3169145755
14.755355397	22.6351070351
0.4027716949	0.4419397442
0	0
7.2356843415	5.9276737457
4.2987442266	5.1543495594
6.9602156671	6.4980081485
13.055461598	18.2409409009

gene_expression_table

0	0
2.6709160057	2.5706216147
0.033511358	0.008447
3.885732666	4.6652545588
0	0
13.030225282	17.2870004166
2.0294836346	1.5915577237
7.0215183796	7.4900741434
0.4328405557	0.4364246339
10.5749344344	11.4826909747
2.782555105	3.4391172849
0.6990402563	0.9867599917
2.4738914802	2.192027576
4.1807903217	4.9179769284
3.1208536139	3.8885992233
0.1763795264	0.2667600202
16.0944628766	6.0102707112
2.1001039799	3.8114884972
1.5047490558	1.1179434212
0	0
0	0
0.2415566595	0.1289418549
0.3533598301	0.3562857788
10.8415643575	7.0272877363
0.0243122235	0.0245135376
0	0
0.5749923745	0.5245389007
2.6084201908	2.2777841953
425.7877295423	408.6591544945
6.0996041277	6.5344930251
428.6296690878	471.7246594714
3.1900519822	2.5731734242
2.7548847552	3.0037877613
0	0
8.0341253446	11.165761973
0	1.8648636299
0.0472434343	0.006805
1.136807359	1.1052840921
0.3097756474	0.2342555274
0	0.072294498
3.1997780507	3.8984136725
1.6325474633	3.1745549966
3.0173174045	3.44794215
0.3547444962	0.751132012
18.6802679526	25.4596530489
2.9230115933	1.0401935997
0.9588665695	2.2851786116
14.8236973778	13.4212957711
0	0

gene_expression_table

0.0568106432	0
0.5481861743	0.6218160261
15.5548539754	13.1870722249
24.3206311552	40.514633285
0.5764562546	1.0379098632
0.605887199	1.4254430559
11.6498458623	11.4526530789
11.5927129038	12.3148854246
2.3916980373	2.442418867
0.0272460963	0.0824151119
1.9583985374	1.5514830525
20.149451487	23.8655288102
2.7470917132	2.8743608509
0.2504567631	0.2126573783
21.126970786	19.5017484424
0.0365762162	0.0737581613
0	0.114078101
0	0.0164511197
0.9243445771	0.9319984885
1.4040101546	1.8201032648
2.5103184013	2.4776307124
0	0.0543498088
1.219323395	1.2977209412
9.1411437774	3.8582103322
8.3566925058	6.6704954413
6.4811699661	9.646663295
1.9672783336	2.8003314611
27.6725388688	22.2549095297
0.1080578247	0
8.8458186483	7.5564302935
0	0
270.1941597865	262.6052637537
5.2418472973	7.3993523961
0.6719940559	0.6775584127
9.2196078003	13.1139287977
5.3742797803	1.8062602613
98.4103597093	90.2047577345
0	0
2.2156940334	1.9444429107
0.5915793963	0.5964778903
4.375442717	3.1764045486
0	1.540281369
1.2236175693	1.057499632
12.5126195222	18.9243428875
66.2779605898	96.9554440786
0	0
0	0.1039310075
1.0320209843	0.6937109972
0.4396096923	0.4654123125

gene_expression_table

0	0.2664824641
0	0
1.3014372307	1.2684731538
0.7531584204	1.0125264638
0	0
0	0
4.931674604	8.4018283816
1.2861103041	0.7507556552
1.8821984542	2.5303783284
0	0
0	0.1983165538
0.2075649833	0.4185673946
0.3722023755	0.6567476079
3.4045030206	2.415599166
3.5356717823	2.3766322925
3.1586239762	3.892507103
0.2893352591	0.2005651044
0.0132136897	0.0133231039
37.8239457239	64.9743897995
207.7647504721	209.4851186523
2.572969925	1.0377100231
10.19907294	15.9665256533
2.7359878746	2.4340966373
34.3300813451	32.1418936281
0.1627127549	0.3098912549
0	0
1.9413463724	0.9787107155
5.5178856166	4.0865202259
78.408796819	80.4635268067
0.0588430473	0.0296651446
0	0
0	0
66.4819382562	85.7391585379
1.6055898135	0
7.9288203874	6.928544066
0.4218589899	0.2781148586
0	0
0.8321298429	0.1398366971
6.1465874671	5.5088741877
1.5008524135	1.5889440219
0	0.0467756062
0	0
104.3971243071	127.9555790715
0.7222221266	0.3641011951
3.2502358506	2.0854584501
1.0894772332	1.342609282
1.0659648368	0.7027482334
19.7218378499	21.107589133
0	0

gene_expression_table

10.5664059635	9.4935739655
121.3308285313	146.0003906925
1.0185834963	1.4378248367
181.494693159	216.4037971907
8.0183661267	13.7440939263
3.5866970508	2.8127526118
0.1218368722	0
7.4217273047	6.6468262965
0.4527518339	0.4565007848
0.1761735449	0.0592107755
0	0
0	1.1235379291
14.4598392202	11.2660328948
29.1762984524	32.5596051712
80.1423558365	107.93097053
1.3072890663	2.1506068866
48.8533154455	46.6528569202
0	0
0.3143133904	0.1056386734
0	0
0.1280558043	0
1.6760419236	1.7788633308
43.3570936674	64.2359112577
3.5220539428	2.8935849055
0.0274818745	0.0277094344
0.2203967643	0.6666651906
7.7432306434	14.2762924386
173.7482156131	108.5199394416
0	0
2.1517650379	1.8320918382
24.0614541523	28.6451541731
594.4951770934	355.8187941484
4.9012211628	8.3230401146
1.645892992	1.5025398166
2.5025047098	1.1577156262
0.7291665702	0.1470408673
9.55780115	6.8558119708
2.6837163565	3.2471262123
2.9155238357	2.4209009508
1.3987692502	0.6268229207
134.8946223474	174.8720561075
177.9173626292	284.9144561682
0.2146232798	0.3246006587
12.1104757175	12.8064014691
1.7302349208	0
4.8304822989	6.6238534261
0.8489729338	0.9911610678
0.4895540406	0
10.2771045825	10.5694468255

gene_expression_table

15.2251522379	15.3512220712
327.6708577164	461.0854915253
7.0985637669	5.7258739785
11.6069853267	14.0437144963
5.4710192976	5.0488364806
88.5791549431	43.2608016532
0	0
2.5474844433	2.1404821224
5.4160597836	8.097206547
1.3101523583	1.2169850805
0.2217709479	0.2515582041
1.3361341698	1.837087977
0	0
0	0.2813609499
74.8939978751	77.1498330977
84.5883213218	144.9908640919
70.8197425744	88.543633396
0.5216879689	0.3248871312
0	0
1.8654559743	1.7526592713
2.222947244	3.3086655184
420.5723215092	413.9822533607
1.5351549264	1.313341333
245.7843658947	320.1002526086
2.9105199166	1.7424306766
44.9816021195	89.1963302903
0	0
6.6241692055	5.8441422822
2.2980941452	0.9268492823
16.4742671929	20.5388815432
0.9829694184	0
9.01145356	12.0581512199
0	0.106853928
117.7857595814	161.9095539807
0	0
0.303091379	0.4584016298
0	0
5.1216907209	6.5054249206
0	0
0.1337556352	0.2022947712
7.0612870473	6.7314067019
4.8083765584	4.9080458945
0	0
1.3635630719	1.9477096538
0	0
3.8455229009	5.1698203174
0	1.3573346925
20.2724638201	20.5473446608
0.0847953266	0.0997470401

gene_expression_table

0	0
0	0
0.1794944998	0.36196156
2.3481955655	1.5784263228
0.2044473074	0.4122804119
1.4206761017	1.7905497748
8.0817455707	10.5630847546
3.1428193621	0.7922107642
8.3190309015	8.3879155223
2.0648562155	0
0.8947389388	0.9021477047
1.5684607313	0.9664405424
5.7298591788	5.6981633524
0	0.0495770214
1.9774929028	2.1111535778
0	0
1.6055239723	0.904633755
3.261538307	5.0193582158
19.7585623586	11.9533022922
1.9866909227	1.1369181207
0.3062238866	0.4750146653
7.8844220906	5.2689925059
1.5991890699	0.9484887887
2.9560493242	5.0296384597
24.1242111926	26.3509658655
0.6434118379	0.9232062449
1.3055884515	0
0.0326997721	0.0329705382
9.7488064194	11.4379986674
4.8132518613	4.5184102899
0.051490451	0.1730560361
6.1928890552	6.4392987072
0	0
4.4971221688	5.3587890749
0.1092594469	0
0	0
0	0.0695006582
0	0
21.1603244435	12.0939422757
8.239117443	9.2513563001
1.1420740257	1.2213205631
0	0
0.1883460662	0.2848584609
7.3476023215	6.4421244853
7.6148834051	8.1578085161
0.9083001957	0.7044778875
0.336340513	0.1695627678
0.0385588435	0.0388781248
52.1121872343	45.4705054778

gene_expression_table

2.9419384301	4.0159121635
1.785761982	1.6688012757
6.3340429827	5.1091929416
0.0612877292	0.123590428
9.7184403552	7.1639108914
41.2656568671	56.9363758875
201.0606215375	352.7949860809
6.0579654881	7.2777691264
0.2302045129	0.464221381
538.0094574823	693.1489206891
19.9344720047	21.8223541633
11.7816580641	11.362726918
56.6218462202	51.3529374567
6.3682838931	7.0631171761
0	0
0	0
5.4759554792	5.0341250071
2.3005274483	1.1597883288
0	0
7.5035522433	10.9824451001
0	0
5.6656457756	4.8964794826
1.3051149405	1.3685586407
0.2799730159	0
13.4588159104	18.7049527419
40.6100559212	45.8523329851
0.0147859591	0.0149083922
6.4532359813	8.9038657667
2.2411549692	2.0218480734
0.4451213816	0.2244035748
12.3133795584	15.4808546131
12.2671971691	15.2790738286
1.2948712631	1.1423941122
0.8140557686	0.5183977569
0	0
62.910212217	52.1329658311
7.5257868915	7.7286235905
4.230451926	6.0701084541
38.5700079209	41.0499029097
471.8056801987	349.2902034275
0.8389807273	0.8459277948
3.6426519597	2.9732307462
453.5481508951	595.9941606497
26.807947785	29.2824213554
0	0
3.3556987939	4.2293565103
96.1784390133	111.940083496
44.3733006804	43.8965631751
7.483014389	9.1617571629

gene_expression_table

1.4716025741	0.494595994
23.5992650128	17.9910961589
43.5873716296	69.6538952025
0.5941141469	0.6275590404
7.3587965551	15.4577710084
2.4302976101	2.1781523234
2.2450407334	1.5776818584
6082.8734669046	4235.1883252218
25.5395001266	26.9368767708
0.9622805133	0
0.8746938709	0.9646182179
165.9201611116	145.5675419739
7.1692284131	7.9894966956
6.3088383134	21.0919948232
133.8987225884	180.1753876717
15.5192589523	32.4992023549
0	0
1.8437605212	2.239283165
2.7352233118	7.5841478954
0.3281083355	0.3308251926
24.9885029901	44.4625004844
21.9990684108	31.423407395
0	0
5.3913338856	4.5299800863
5.3839499965	9.3765536718
1.6314356535	1.7338604588
11.2445871194	12.5974404627
5.7990873295	7.5584539621
2.5670434413	7.2942985926
8.1402268545	7.0238379923
0.8221683666	0
18.7423342165	19.437456964
0	0
1.3290050696	0.7605460562
6.2886236414	6.2304227774
2.7031197518	0
1.9057556247	3.8430719576
8.7265969915	7.1490708321
236.0449345952	371.7769546354
9.0395989525	9.4650059152
18.3917677522	43.2694694155
0	0
0.116713359	0.2353595767
1.7398157905	1.4655526422
1.685794871	2.3607692633
16.420991889	17.1182167194
0.1054648961	0.106338184
25.276168289	10.7307217743
0	0.0566505375

gene_expression_table

120.1769033796	112.4231303849
2.6225106827	2.6442260311
9.5967415592	9.474618465
0.009225	0.0186025631
0.009478	0
12.8300249088	17.478766499
2.6055312571	3.6696083944
0	2.5049926558
6.4245735553	3.6391974022
53.5707127338	54.0142978433
5.0513043468	2.9709930808
23.2213381232	26.556386994
0	0
34.6944442833	31.6893291474
5.3009282529	10.9709501728
4.5793482401	3.8169406536
1.4057608671	1.5945762168
0.743291878	0.2141276019
10.107464702	16.499970434
0.3649036372	0.4599064661
0.3706752092	0.7741851095
0	0
1.7802102717	2.0193199474
0.8776452017	2.3597664671
2.1886512582	1.4043107856
6.0352673703	0
1.5080546856	1.6291520682
0	0
0	0
0.4717761892	0.5648731691
1.7696772925	1.8586779878
9.6232925118	6.4686512641
0	0
0	0
0	0
2.8519541257	7.4159420073
8.8505478096	8.2514899587
0.8107075572	0
1.781873683	1.3820217302
6.7943340395	6.8505936122
7.055082495	5.2374129422
24.8943906214	29.2839461689
5.9409663177	7.188191632
25.7909040724	38.6552816459
111.8840315638	143.4824440276
0.325113562	0.2809762468
13.8108393653	15.9531396514
30.0192569836	24.4095382412
4.3498244032	2.8507976519

gene_expression_table

0.8307158018	0.4653302404
8.2019590614	10.8952312003
4.0900216495	4.1238885258
0	0
1.3813927714	2.0892468138
0.8863511026	0.924507325
7.6171920904	12.480430997
0	0.0218761606
0	0
0.4982558302	0.7033341992
1.2942406125	0.4349857995
0	0
3.0156580182	1.1402357889
0.7349872437	1.9761952189
1.1106568425	1.1198534876
7.0293114078	7.4096765282
3.264896553	4.7027587022
136.0888517797	159.128493428
0	0
42.7692560893	53.3015952525
0.6423834496	0.6858027738
0	0
2.9002753661	1.7638578872
11.1402355459	10.0411570553
3.9610010237	4.4930245072
1.5372274796	2.0394161654
1.4958116782	1.8768680577
0	0
1.9351694205	1.5609546653
5.263067134	7.1260691728
18.707908126	19.6327273284
0	0
0.0509251207	0
0.0306116056	0
1.7389347233	1.1688891595
39.4849764529	53.8631946904
0	0
0.7585065925	0.9447372587
9.7811745615	12.234079673
3.8984224373	4.5039302939
25.3109789611	19.8493268799
7.0429627585	6.0801818295
0.5596031676	0.9027790187
10.0287992339	12.0780327384
0	0
0	0.407677
0.3983686181	0.3780397704
127.051362344	79.3021011267
7.1488019261	10.0911952718

gene_expression_table

7.1533414746	7.6132723025
15.0886626824	17.3054726528
60.6209705682	62.4812218241
0	0
21.896349387	12.1427125459
95.4160188524	94.0799967904
5.2038669018	3.4979712163
2.9137879915	4.4068728339
0	0.4939016913
0	0.8671128424
56.3094872499	73.5504039464
42.8161473013	68.1642326409
6.5663576836	7.150387891
110.1401141782	103.2215168102
1.5195685065	0
7.2615021709	6.5894670601
2967.129975395	3370.1131927105
264.9774252783	561.5130573395
4.6357850816	4.6741710788
10.2999017376	16.8141150283
0	0
6.0064453869	5.9215991542
77.9887721058	95.9068760775
0	0.1614831844
24.2354272394	33.1632859646
1.9415427656	1.9576194503
33.8685004194	28.6851129596
19.4710747241	18.0097980232
3.3426096205	10.1108629549
0	0
0	0
14.7474366821	15.0948470808
11.3445251846	25.2850212752
0	0.2578881649
169.8526568525	226.3655913841
22.401109119	27.1039182021
11.0794966093	17.1292329747
6.8748000851	6.9317259462
3.3455229932	2.8110209568
5164.4568847654	4936.7924244351
26.7236109014	31.2908425328
6.264146021	13.5343188061
44.033655372	73.9971169262
362.7992800358	615.8723755836
2.6070924046	5.0183892511
32.4477455289	29.7645668674
3.5969877928	3.0894725879
0	0
0	0

gene_expression_table

0	0
16.1497906802	14.6387171756
0	0
4.9829607702	5.0242215093
0	0
0.3166150713	0.9577102799
1588.8457442558	1040.6299054378
0	0
8.9381673881	12.8534351746
0	0
5.5038561489	5.2851715165
2.9625135432	0
28.1432752976	63.8467018157
1.0214023543	1.0298599397
10.148610584	7.4419234867
51.4371749886	61.9011117455
0	0
0.9973155374	1.3647071305
17.8048552649	35.904571967
1.9022008936	1.2786345421
3.6089603205	2.2742773956
341.0451784395	414.6657485653
73.2494263263	75.3088624866
9.2684539446	10.0640616846
7.7271972658	3.8584897805
7.8405196782	6.5424348008
0	0.8556109771
0	0
1.5107963976	0.7616531724
3.5169639148	2.8841496728
4.2205580319	5.4713645964
85.9165943097	110.2538374737
4.799896105	3.5441815416
61.4273744638	59.1803877951
12.4312791312	8.5760416181
1.2010106532	0
2.0320417212	2.7806062599
0.2354383591	0.9495514995
0.5412083537	1.091379514
0.7261502171	0
5.9108341907	7.2013984908
2.0653376635	1.0412197076
55.1498570048	48.1923156059
0	0
0	0
0	0
7.623776025	5.9787028629
113.9070431417	78.9595366665
1.1556894964	0.8545232876

gene_expression_table

10.1905222501	12.5582153941
49.0046531812	65.6105705139
56.447500699	44.7188552374
198.6284365996	184.6674525421
0	0
164.1224647438	194.3445039679
0.0839551629	0
0	0
0	0.2187055636
0.974823507	0.7938770558
0	0
150.9007745755	139.6897042727
0	0
0	0.0904847483
2.2078851893	3.011873388
0	0
1.6986351203	1.3049146216
5111.7032067372	4315.8746194105
0	0.0266788625
34.046099384	43.3957907123
0	0
14.5468546521	10.7560258176
7.6036038686	3.4623194478
0.1597039019	0
2.8671944692	1.5601876226
8.7761261529	6.6365967673
10.8795611211	12.4322675852
1.9601219159	1.117068772
14.3162679712	29.2304941178
3.2377242711	2.0240109641
0.40204679	0.2702505897
85.5448710553	4.7918452166
3.3182955929	3.1429982165
1669.2707416023	1021.5563945274
9.9370524073	10.8051650218
0.5714878729	0.6722566686
13.2088211167	18.1611749867
551.7543108362	660.4217793663
19.2993689541	19.459174793
32.5290681994	40.9980259881
3.8578658782	2.7080958618
0.5742714015	0.6471473529
0	0
0	0
0.9888836733	0.4722972594
1.8350572589	1.5418768372
57.1443834237	66.0493978591
6.5090824823	4.648777548
0	0

gene_expression_table

23.9036051364	19.3086166978
11.4937963285	11.4216194338
0.2269082303	0.1779455327
6.058070284	6.3858802926
0	0
0	0
0.0112908285	0
46.9262355209	42.3188290527
88.1363975301	74.6384115981
1117.4954023216	1291.2504419064
1.564770742	1.2908680499
27.0410212736	26.3723289253
2.0273398138	0.9085008576
22.5458446258	15.6286160742
0	0
0.869599682	0.6189178487
11.4039340804	12.8511113968
0	0
0	0
0.7881966376	1.324538657
6.0437592038	6.742080736
332.2198674547	546.5312555927
0	0
1.7280588046	2.3646419654
2.2358276628	2.9404449577
5.2668181351	6.1274184427
0	0
0	0.2564753912
1.2617475123	1.0764728984
9.1635344737	9.5693908894
0.3337111808	0.2392707069
19.1931051185	29.750137292
0.8508346095	1.2391597566
0.0254162513	0.0192200304
17.3999548846	5.2632098639
0	0.009867
0.0538969088	0
14.9041127877	27.237387788
0	0
1.2490324301	0.7953946584
0.9201680853	1.1081905221
18.3376411111	16.9801379003
0	0
0.0537158897	0
2.3759447014	1.4742267035
3.7271618427	4.2841474819
0.4819042298	0.6971530833
0.5207396809	1.050103192
9.3392458577	13.3401524951

gene_expression_table

3.1343307689	3.4033829576
57.2540201783	63.1970827352
0.0896927246	0.3918867906
2.2325893889	1.6371462154
2.2386635305	2.5891417316
1.438045125	0.7249763325
5.6148044462	4.4535537046
3.1555970875	3.2395761607
2.5707598175	3.8016684196
13.8331034815	15.3251919889
12.7751706931	13.2229260067
11.9753670342	12.9169363488
0.1112470186	0.2243363693
42.396951877	45.2007690674
3.2064734987	2.2120692393
1.0755252313	1.7350895581
11.0803257977	10.4272699542
0	0
4.2855564357	2.1605212058
3.6479599675	4.1085901403
0.8392020051	0.7454186543
8.7247215208	6.0902068212
0.2384400136	0.6182084165
2.6026195373	2.6241701796
0.7081212134	0.8924808953
11.4884249028	13.5438468957
2.6238634199	2.090869492
0.1635443731	0.4617160249
8.8985368099	8.0897065139
0.0412199588	0
52.0269132949	43.71476265
2.1896276342	1.278176004
0.2329191558	0
13.0346701631	6.3593235498
0.6450985807	0.7070002533
24.902521011	28.783170268
3.4312545121	0
0.3204388397	0.3230921906
22.5285162097	23.3640623004
4.4619319143	3.0528103047
0.5491316234	0
3.4048758553	2.7464555789
1.9180561981	0.9367514152
0	0
16.3123207686	19.1277086117
5.6558399522	9.5044539619
117.1872938199	126.2345436191
0.3936851331	1.5877799603
3.4304367679	4.7435547977

gene_expression_table

18.3045814229	19.9326420615
10.0619040081	20.2904405123
0	0.285371896
4.7618567848	6.4958584791
0.0900927125	0
0.2021485336	0.2293001971
19.6194175533	29.0134144839
26.4112159234	33.7745205813
17.3130160318	15.5433468383
5.4283265914	4.8651334422
2.4992189467	1.3999518858
2.7527648884	2.1055963228
0.811050158	0.27258865
4.6588599993	6.8326357315
12.2908422912	14.2515072087
43.3411309715	65.5500170996
0	0
8.6682801953	5.593636306
75.9848577637	96.1289372296
2.5330598642	5.108069054
245.6899319227	170.3758081069
6.8625090242	0
0	0
56.7566326853	43.2984315771
0.2047890831	0
7.4556019287	5.6949523043
4.3307767134	5.2729203076
0.8472153221	0.4576235224
0.2273592273	3.2093858284
433.5839056019	520.5012903753
0	0
5.9495169944	1.4996952932
115.8395648708	133.9667692073
1.693126234	0.6828583756
43.4241943069	34.7314234414
213.0604401657	305.8092198823
17.6085331396	22.2799538687
15.364894659	15.4921216106
22.9601461526	20.1912081935
18.0448539669	19.5419958117
40.878855028	33.0554960369
951.6975150395	1168.6198276268
0	1.2015565518
0.8021937089	0.505522604
0	0
18.1576145448	23.9585731033
14.5172378497	15.1846401317
0	0
61.819517603	73.1921810954

gene_expression_table

2.4792055854	2.3435009204
0	0
3.5858569922	3.3374300313
26.0051409253	17.7796358086
21.1844724605	24.7866075897
174.9896349235	232.800947907
0	0
0.4184031009	0.4218676317
12.7161738065	11.6194557193
0	0
0.4408610315	0.8890230444
0	0
0.2025058058	0
5.6027456332	10.3013700559
0	0
8.8259094491	13.3484868146
18.2528870895	25.3055380539
0	0
41.631043338	66.2203857024
121.2453283742	96.0964521557
0.4526806409	0.4564290023
0	0.3870729751
0.3544111294	0
0.2267235704	0
8.4918295963	9.6789465823
0.3109635209	0.470307619
90.3735084935	67.9115556941
3.9815772289	4.5880527379
26.3410562589	29.5577857965
7.543459961	6.4049874278
8.8245918607	8.8976627113
13.2650078439	9.1288638009
13.8379981285	18.1383563634
1.7596714766	0.5914140668
0	0.0868812835
1.6037115123	2.1020880797
175.175194477	233.2792385729
369.8487285385	381.7300575985
30.7153669266	38.6288748735
11.931310165	13.0515298559
3.3864878507	2.1728822243
0.5873110422	0.4737393541
0	0.3271709017
3138.0530009466	2352.3928958891
28.1466999232	24.1412285845
0	0
3.6828520067	4.7096112976
6.6560021209	4.2008513961
875.1716549164	979.2544345809

gene_expression_table

6.9398482147	3.498656349
70.6541303031	108.8749615358
4.7967051413	6.9859452225
9.6767144055	14.6352617141
23.432276453	19.4073213718
222.6713563487	196.1525571954
16.9473673671	19.785755315
81.5666385101	77.4042730655
0	1.945265435
23.5540025644	15.8326922179
186.5510921482	176.6960578079
224.1525943789	206.0667193252
0	0
4.6203732087	4.65863159
43.6864879064	35.3958975132
5.4502509194	8.2430714879
1.7869786069	1.8017754438
149.0292523768	123.3504448118
1.4358217135	0.3619277107
100.9457252761	120.6300359463
64.3501507969	146.8404591978
12.9220731757	15.6348872056
1.8255057296	1.6105438871
34.2678482627	26.7285951349
15.9389663388	21.7222687707
0	0
38.6599314682	55.7631268704
0	2.4043572085
12.6229873361	11.151723303
12.6031148079	12.7813538698
17.7664476486	15.9231647449
8.0273894337	12.9501746502
1.5972826963	1.6910342208
1.0237633484	0
0.9411505048	2.214201676
1602.153171622	1822.2172698954
23.8222106706	28.6385956202
1.1645514395	1.0015187117
0.0691908221	0.2092912423
45.1006072401	61.1339968575
100.2666466239	86.6063367584
14.0659081546	4.7274596742
27.5705270773	49.4201264584
10.0733605346	13.0587064032
3.690009659	2.4803761931
81.0935925536	112.6541063395
841.5559178517	888.5935123538
20.2304316504	19.7503931553
5.031215025	6.2435388639

gene_expression_table

0.9013220212	0.9087852974
0	0.6664355964
0	1.3263240758
4.1067368554	4.1407421397
2273.4204330502	1723.7392259881
40.0692644148	49.724372419
5.9798979449	5.6944462615
10.1374750547	11.1102359334
36.0124462564	31.302278011
0.4018737399	0.8104028031
92.1063719855	118.598998724
5.6834055858	3.5815414152
101.374807193	92.515067409
59.7376744345	64.5346331187
11.4042884022	9.1989760675
1.7008286279	1.0289472669
0	0
1.2652774577	0
27.8147104894	36.6742653878
18.3684840862	11.4651221024
129.0886028725	115.3668783269
0	0
15.181169196	27.6025611753
17.9022688177	13.8850047355
0	0
9.5070984284	6.2676519852
11.8253778279	5.2992427932
25.857687446	13.0358992812
7396.415714214	5392.2354139985
33.6967132538	73.6140911421
16.0339482998	27.9243263591
19.0724797763	26.0176093215
0.196714786	0.5950309693
7.3885760067	7.1883611688
2.2429470476	0
17.0690055164	27.1742259943
12.3246059321	6.2133290902
2.0297221168	2.0465289588
56.1752728058	38.5499467987
0.4568471849	4.6063004681
10.1255573907	6.3808754451
3.4842027663	2.049281057
80.5265044937	121.789940138
77.8060144771	75.3122656854
2.4254387374	3.4936032256
6.6320252413	7.390829347
1.2446809355	1.0039898794
2.6938451675	8.1484535744
87.1905300336	76.1495594571

gene_expression_table

1.5129799163	3.8137698594
282.0646697515	446.1529211446
54.1875768587	63.3086936112
0	0
0	0
1876.1784109721	2033.4276106197
29.7168777874	31.8356284382
5.3196597517	0
0	0
123.549467155	122.1536184315
32.7138924506	42.4089970124
6.8616911826	8.9940610462
46.040698038	49.0009280846
69.4588806534	80.0388864098
0	0.7744041192
1.872607894	1.8881137727
43.6415896467	49.119581004
222.410239355	224.2518775437
0	0
49.7159551081	51.4824219922
0.0660299329	0.0998650273
2.7240939966	1.6479902952
77.0511217304	98.4062354128
0	0
46.4326215428	45.5517736
0	0
18.9213157186	22.4446954568
27.3856366677	25.373556539
27.3109511791	25.0337235011
0.578309067	0.5830976778
0.3280709442	0.3307874917
150.5564876014	156.4032458931
5.7518931781	6.8539793151
4.6609600199	8.2242203311
0	0.7583367343
6.7267628341	5.3791947078
0	0
3.5982470565	6.802578486
14.6603708848	22.1726461826
1.5409193286	2.330518057
36.1678131054	30.0318906885
20.9320326695	19.309156918
0.1228533494	0.2477412401
0.408008782	0.1175392126
5.5344233303	7.4403338416
0.2619564261	0.3697757296
81.5482335269	66.8065797334
0	0.2633634478
0.8863369876	1.7873523645

gene_expression_table

2.6534264008	2.3827761145
169.3677456999	211.1550107477
16.5825763763	13.6399071455
0.6285638724	2.5350744454
54.8928025866	34.8483220899
5.1767038603	2.3198083836
23.1695978724	17.0718293017
292.1328640204	321.0459111039
18.0688688884	22.7731071705
0	0
166.6359480679	164.6721576016
2.6496295772	0
1.9939896351	3.0157508987
0	0
29.1969831202	23.5509958617
22.8025547378	17.9620064354
1.2670873836	2.1292988849
221.151172904	264.4674805499
8292.9663890674	8179.4479465274
110.2958370425	102.0267219668
17.2146701764	18.0247990982
0	0
19.4485170534	20.0552296635
6.9416052654	10.3586447606
50.5977762857	118.3973501956
139.574548722	67.6134292081
4.704713408	5.506045718
2.9255335547	3.5397096521
18.3519201673	19.0481125712
0.7655933876	0.5403529467
6.4791799565	4.955939953
23.1989877519	17.3267287865
2.4369084305	3.7502905687
23.5330460867	16.4866937931
22.465727703	26.8122780566
1.7233298627	2.0535268765
5.2431285847	5.7039023144
3.6556476643	1.8429588825
1.722556491	0.8684099446
21.7223226637	20.6624447605
0	0
115.4244884577	153.3480881487
2.8329141501	2.6013385272
0	0.1524546464
0.0146716078	0.0147930941
41.8857283555	51.7555851929
5.8328772844	4.9209837015
5.442008574	0
2.5171867114	3.8070449081

gene_expression_table

0	0
0	0.950289815
1.169964309	2.8648692442
5.7854150636	1.1666640836
7.5456738696	8.5032318477
0.9346522956	0.753913247
136.9518594716	128.5627074784
16.7271034182	15.977946275
1.3764391755	0
0	0
39.9234890795	41.0135809401
0	0
0.2833088394	0.4896938406
0.058563837	0
19.4142307926	15.608250128
0.7385952063	0.148942209
45.7314232696	37.204712808
0.9239203045	0.6654076448
3.4261907736	5.1127501132
4.3870343127	3.9129728054
1.1802173751	1.4646030854
7.9077294373	4.3990114932
0.232970991	0.4991626616
0	0
6.3286361709	5.2949051957
2.4008944785	3.9337589908
68.4608610224	105.7260352302
1.1281094618	2.9573716148
0	0.2907166348
22.540328148	25.5678416047
1.2856190848	1.9443967221
0.2903630428	0.3659591939
2.1295860691	1.7316288881
1.0982390751	0.6814356287
27.2493094382	13.5122673906
7.0950647829	3.5769072581
4.4204568686	6.6855898041
3.6729236121	3.3254452575
0	0
4.0001595762	1.923565434
0.4253972235	2.0373684242
47.7467964617	43.6592844553
0.9190664688	0.3088922252
0.1039023545	0
9.4799302777	10.3180377083
374.3024566343	376.638361839
0.9472147851	2.3876451756
0.7569457898	1.2084214985
1.0712894355	1.0801601042

gene_expression_table

2.4572317705	3.7163678234
0.9439134934	1.0222279198
15.2249885794	15.9126810962
0.2146772957	1.0822745115
0.9065142184	0.8602545768
0	0
2.9075344382	7.329024719
0.5552045873	0.8746904445
0.3889577998	0.1960892564
0.4629927111	0.6002054488
2.8400277565	2.3290159703
0.8704768955	0.1880753063
0	0.2801525181
79.4946378057	65.1409713991
1.8448425477	1.778054467
2.3700514838	2.751748556
0.2870235747	0.5305670974
0.1785177915	0.1799959842
92.1378390927	154.01970447
8.0314329885	12.14690429
1.6345801361	2.9666071042
9.2451035935	4.0134909651
0.3695663715	0.4299536727
0.5803074857	0.8358752059
11.5443702652	11.5662912317
2.2705713917	4.4026395267
0.0582810688	0
14.444266381	15.5752500681
0.646293605	0.4654608233
9.2746250462	7.2260990781
35.4116491143	52.4642995549
22.003739126	30.9258531646
61.4857285136	62.7602214045
0	0
9.7569022422	9.1681117675
14.3109827052	7.9220690322
2.7647439347	3.5841047483
0.1190235472	0
0.0743603181	0.1249600813
0.5921066507	0
0.2967950076	0.3192027509
0.031461166	0.031721676
22.928444487	23.906424277
0	0
0	0
0	0
0.2791630606	0.4691243883
8.5350511172	10.1243817229
0.00857	0.008641

gene_expression_table

0.9629421449	1.9418313166
1.8592755224	1.6068608608
4.4397833437	4.3076200965
32.84803749	56.9250537342
4.1247351965	4.4035300733
4.7498790634	4.7892098006
0	0
2.0320263535	2.3561801168
2.3537049305	2.0689387677
22.6516794651	16.6103590269
0.5876647177	0
77.1113179192	82.5491999459
1.2767812554	1.7164712954
0.2704135389	0.5793869068
29.8595004153	30.6349365695
63.5180334228	65.3782356966
1.3439253703	1.7615696335
0.3435912856	0.3464363472
6.1722599226	8.117437166
12.4060734849	10.7218288408
1.7021769548	1.9069684478
0.1727357905	0.0949996942
1.3938779224	1.7177352399
6.451142937	1.6261401905
0	0
0	0.0189551582
0	6.2557332758
0	0
0.1549753734	0
2.3603355034	2.3798799453
12.0678514626	11.4303366177
16.6476338451	16.8878328488
1.1238815287	0.5665938395
0	0
0.8741585169	0.8813968693
0	0
82.2915882158	23.0093172997
1.4589243814	0
13.8631538845	11.7414745332
0.0777150668	0.1253737217
2.0137102414	2.2559827769
5.1387153552	4.6055695993
1.1074524084	1.1166225197
8.8159932885	5.2525867371
0.7437616756	0
6.2677885574	8.5178405375
0.2340275089	0.2528200096
1.7951319974	1.1919488141
0.6395860589	0.5527560562

gene_expression_table

0.8442542408	0.8512449749
0	0
3.254055851	2.5779290621
28.5310139429	25.7161880257
1.4531089567	1.8960651221
1.2173524387	0.9502703709
3.4991575622	1.1025412086
0.3948073694	0.5686807413
1.2729565481	2.4197076366
0.7974878903	0.4385952992
2.2684080949	2.5254404425
12.0266707739	11.6279167218
0	0.0426375857
0.4623611804	0.4195707302
7.4554068976	7.6841879599
0.9017757727	1.428810124
8.526686518	18.2692425321
21.1764632782	15.420753216
0	0
0	0
0.0602850584	0.0607842407
0.7294621907	0.1471004809
13.2700604951	16.2658111784
20.5875270726	15.967691794
708.5446160782	798.6308814288
23.7283211894	29.0977301845
0.8277632249	0.8346174074
0	0
0	0.2672491877
24.9707303657	25.177497153
0	0
0.0726081537	0
0.0806121902	0.0812796886
0	0
8.9384598579	9.5846941217
1.259619157	2.3159721885
0	0
0.0875958355	0.029440387
1.2649994664	4.4641594375
10.2794694786	5.7581040269
20.083579283	30.9077095498
0.0329547807	0.0166138292
5.7972985937	5.845302348
15.7823773528	17.6811791266
1.0384222562	0.6145556708
54.7321447396	43.080174056
7.8988710302	7.3271344476
0	1.0614957908
5.8719381532	7.1892513683

gene_expression_table

1.3020454707	2.1880448062
1.1300209489	1.1393779359
1.0098943079	1.0781540496
0	0
0.1421254739	0.4299069744
7.2480790005	7.3080957476
0	0.1850714257
0	0
0	0
0	0
6.1018165828	8.0566381468
995.7955714996	749.4278241004
3.18654742	1.3494319436
4.8032718942	5.2155866469
0	0.746737046
16.1441581993	12.8708484443
0	0.1121952821
50.5602265979	47.3756642461
2.7623437092	1.3926084631
0.9617554323	0.9697191194
0	0
0	0
3.8975427797	1.9649079302
740.4558722198	790.6335554966
98.4307359481	88.0945674055
21.0774072165	30.9924064669
71.4085516422	79.9998228743
6.0704769853	5.7126932395
21.2287869895	35.4513175983
263.6813614837	295.0006015514
36.0339762581	31.4225736396
12.7528242033	6.1720426826
2.5527133989	2.1448756669
4.4055181315	4.0718309813
3.2214870238	2.5643385122
87.9498181407	86.6157940165
0.2171712836	0.4379390827
1.4612022404	1.4092449415
17.9707485165	19.9622192876
0	0
0.0749395757	0.4155805655
9.7201223951	8.6805390159
5.0739326471	4.4764533333
5.0763291768	5.2646019844
0	0
0.1400495013	0.2824183248
1716.0734950978	2263.7772784237
1.1324147086	1.2279644616
0	0.2283671169

gene_expression_table

2.5907621672	3.591795111
1.8273017459	0.7369729893
0	0.2316568428
21.1678127621	22.6498097956
1.1368915357	1.0030172371
0.2748148094	1.3854518829
22.1630549899	43.8950544948
4.8587722121	4.8990046244
0	0
0.502295429	0.1688182063
1.7918726103	1.4453679771
1.1862057627	0.9302439849
8.6154543038	9.1105394393
21.8468767797	17.3552181761
0.0358293122	0.018062996
0	0.1148067967
111.6255345347	133.9343034334
29.2061421938	26.7356658177
5.9426521671	5.6526976435
2.0166882912	0.6777957361
0	0
1.3521153223	0
12.3098339717	24.8235278053
0.4324057769	0.4904845369
0	0
24.5925042112	34.4726812538
0	0
26.6403473513	33.9958761476
19.6290550105	22.3453444185
0.843549201	0.4252670486
17.2238404875	13.127402979
4.3200199656	3.9090434852
6.0779437698	5.4974199044
7.9164527366	5.8504460131
0.9805253868	0.1977288992
4.0481634692	3.4985860666
0.4949123296	0.7023109119
0	0
0.3905871428	0.2625475648
13.0263463152	7.1143633332
0.3341251782	0.2807432142
28.8684581724	31.5847335788
0	0
10.7019425117	10.5931702474
1.1121451733	1.6820312136
1.197995257	1.6910811347
18.6227091749	21.7812179469
112.3662191901	146.1526818714
9.80859467	3.7675479711

gene_expression_table

0.0515613085	0.1559647649
0.2355154036	0.2374655573
0	0
2.7893782281	4.3513768805
1.9446758727	1.525049945
0.17014988	0.2859313054
1.7369160362	1.7512983368
2.790030714	3.3611461486
5.9782646449	5.6646483785
0.4552181807	0.3327659765
11.4348378903	11.7354068644
0	0.192503249
10.372117755	10.6956845657
2.4238077223	1.7773656272
0.8859732875	0.9925660785
0.0632471073	0.0717421686
56.5767451196	71.4449858719
6.361101574	3.848264294
1.6952532352	0.5697635175
0.7201557312	2.1783566529
27.7904306394	24.7415455627
28.0245562001	32.024157754
2.6340819636	0.9237889135
0.0707631669	0
72.6551454913	87.2976350548
0.6998874961	0.4981290499
1.4263070716	1.6178820932
12.7458067421	14.3200720228
2.3720857231	1.6443126295
2.1543405021	1.8292035621
14.0800199261	11.1934791044
7.2523555502	8.7748892504
0.171665029	0.1730864782
15.5705095929	21.5867287783
0.3834084751	0.3865832377
0.032750737	0.0330219251
13.48464808	6.7981529509
0.3186124216	0.3212506491
105.1467253497	71.2575824194
23.8066045283	27.2281138283
1.680573576	4.2362233508
4.8574058532	2.720903862
5.3169987961	7.3714100518
1045.938983541	1310.716821157
11.1089755572	14.1162808022
1565.9170679945	2108.1017708475
7.6421231716	4.9034381127
24.1094794925	31.3992732927
40.5337719833	37.2952758493

gene_expression_table

0	0
17.3560616143	14.2761331808
0.4985837436	0.5027121995
0	0
51.068823491	50.7560964412
88.8489391714	89.5846409083
5.9801049764	3.6177734607
10.8395628197	5.74252321
1.0241275474	7.2282538882
0	0
5.2765954525	4.4335729952
73.290876984	69.5508256673
7.9350125018	10.4009325026
1070.8860694001	1147.2379853983
9.5049856728	26.3551486913
1.8162918206	4.8835503511
8.0944507329	8.1614757477
2.5791567596	0.6501282804
289.4529283702	300.8993078053
13.6705499963	24.8107448772
949.659710946	992.9870646872
57.3229070855	63.355019597
5.8454629567	8.3610650535
1.41130282	0
2.2120682863	3.3455775321
0	0
0	0
1.6988101381	1.5225572514
0.8262707224	1.1535404488
0.5431740633	0
0	0
0	0
47.5615416869	22.7873028387
3.2766880851	3.5579602819
7.1639231944	2.8892972402
2.2191732786	2.9833984608
0	0
1.8108649383	6.3905084698
0	0.2599086891
0	0
0	0.7234945763
0	0
0.3971180954	0.3432054673
3.2220816322	1.299504659
37.3594670088	32.7286443395
0.3811697343	0.2049738449
1.6426947422	1.6562968559
0.1053896081	0.1062622727
1.3678282558	0.4597181248

gene_expression_table

2.6484107964	0
5.9798645541	3.3064342053
46.5171597704	62.4263524524
49.2574198115	32.4203971668
0	0.9837858803
348.599058402	300.0405759443
0.4013694717	0
9.6157700696	8.5272726273
17.3146477745	16.9289885048
2.554736023	4.7837960344
3.6374603625	0
0	0
0	0
0.4144576066	0.4178894673
0.2715101892	0.5475167858
4.4771734614	3.9499653343
25.0598140046	25.8835944964
0	0
0	6.4005738478
0.3961732364	0.3395356415
0	1.0348164848
0.1229115715	0.2726445134
3.0081740184	0
53.53182401	44.3795160655
0	0
0	0
1.030652245	0.7085361974
0.1154947659	0
2845.1520966376	2274.5992523638
0	0
0.4094871367	0.10321946
4.1145323094	3.1762735157
3.4605391702	3.4891937011
0.5084911306	0.4101612986
228.5494621577	127.1403781287
6.7633664453	3.2768399353
8.9984835209	6.6302650348
0.1848123859	0.1863427001
0	0
17.1964562375	20.7609904768
0.8557736432	0.2876199207
8.0178078279	4.9082631998
0	0
4.1514221149	1.98719675
0.2541157197	0.1830142078
0	1.5831253013
39.3105843597	32.1189008306
0	0
0	0

gene_expression_table

0.7043565312	0.9469184814
445.6083880351	608.2715829834
0	0
0.0208553656	0
0.0339812382	0
34.0689057473	39.0227459478
1.4142064592	1.5639085359
0	0
54.2270219375	63.3701117349
2.6794355714	3.5400567789
1.3158772033	1.3267731482
0.4388685927	0.4978154085
0	0.0780169663
0	0
8.5559560604	14.4930282139
2.8120366649	0.8860379243
13.495291651	13.6070376054
0	0
208.119914641	261.406167434
0	0
22.1436531638	16.6708346687
0	0
1.3794214294	0.8466004179
7.1165557929	6.8211386165
0	0
4.7073319525	6.2035109406
1.7405524355	0.6193993577
0.0653379452	0
4.6829158774	9.4433842699
11.3426840805	11.9338493806
0	0
7.988803865	10.356369538
0.0510637766	0
0.3238127473	0.4081175442
19.4491569546	15.933290013
10.9952552905	9.033281505
33.0519234862	32.4773173701
16.9508687084	42.0159357599
0	0
1.1259557444	1.206234012
0.4335576108	0.3122483046
0	0
0.4365592082	0.2370168114
0	0
10.8749335881	14.6624759552
15.9629736858	16.5981264804
0.4001254428	0.4034386279
0.6787711081	0.5599567484
5.9613236286	5.1520162031

gene_expression_table

3.8662094786	6.1505297929
0.3801011204	0.3832484968
3.5033387675	2.602782512
0	0
6.6858417418	7.8859355364
0	0
1.3131517291	0.2648050212
0.7935832771	0.6001158278
0	0
3.859911293	3.5534490521
0.831723147	0.6708880953
1.5414568811	1.5777695069
7.6247575849	8.1247054917
11.625425755	11.7216885354
0	0
1.9122036105	3.8560747127
8.8253296617	7.5636456283
0.2021061555	0.2037796685
0.5750476144	0.4251934274
0.196806121	0.0992178738
0	0
0	0
0	0
0.2982131009	0.1954435695
5.1157142811	3.5922302936
3.8259131711	5.3577682396
31.1556443873	26.8669157134
6.4393725082	6.0661656007
0.0438066929	0.0441694284
0	0
3.7594809476	2.6534275782
4.1352940344	4.1695357826
8.1907540728	7.7997667082
0.0193874138	0
0	0
0.9236122885	0.8277867879
1.0975858957	1.0415758199
14.0565193073	13.8544200179
6.0662224762	6.9902320213
49.8276609237	69.2286939683
0	0
0	0
0.2199519322	0.2217732147
4.3055129697	5.788218924
0	0
0.4712235603	0
2.9628692603	3.5848834827
34.4823742497	31.7046497465
4.987329379	4.0229010334

gene_expression_table

111.222326021	68.5924962931
2.6329586708	2.1054997325
0	0.2823118866
22.3073524378	17.1649973407
1.0139674326	1.7039390901
0	0
0	0
6.5423279166	9.3950162715
6.4554375208	8.7463221554
7.5382618767	7.6006814442
32.6161257886	31.0735740929
0.6589202416	3.321881712
0.9888896327	0
1.6042477212	1.6175314795
51.7748572164	52.6082508375
7.0656788726	6.2336621199
0	0
0	0
48.2561248792	56.3015994819
4.5363930702	4.8511655238
52.7169100918	56.0527031522
3.8422723199	3.4866789669
6776.7790384684	7092.1147788035
329.1898616925	353.7016451338
217.0543316246	198.0146967473
4.6860920276	3.1499297232
14.9985544214	9.6785586828
0	0
0.3227841908	0.6509139241
19.9341433513	23.0303394688
0.5042603846	0.7626537677
2.0981715743	1.0577726015
0.8118964791	1.2279289187
84.5519703107	87.2346983534
0.3061600059	0.7717378071
7.3118111531	4.0957531254
0	0
1.3380537	0
7.5939377859	7.6568183703
9.0842549035	7.3722610574
4.8252569576	5.6137059824
88.9762303103	104.7792890677
4.6690121694	5.4669754441
3.47196825	2.0465732597
5.2344210656	5.4243685432
0.8978488968	0.4764649549
4.8079706933	5.4537552568
0	0
11.2415259231	15.3350604155

gene_expression_table

0	0.31923676
2.1345253905	2.630466718
11.0964010047	13.7056470015
1.5376272056	1.0335728811
8.9206220559	9.5063695066
0.7381832842	1.6746653521
196.6271083895	206.2435597067
0.2296627472	0.9262577551
8.7071139634	7.9811018673
1.2628491685	0
9.1924683072	11.2960883459
0.3238608845	0.0932978775
0.1549788496	0.0781310656
0.3731219669	0.1881057767
1.4001203894	0.3529284747
4.0570903107	1.5340066888
0	0.6490017306
0.1569867235	0.7914331552
61.235257339	46.3067307624
0	0
0	0.2977392799
19.5113822682	20.5739945094
11.3036044591	15.5416396928
3.778974187	2.2861592859
3.0452988741	0
0	0
0	0
0	0
0	0
0	0
44.6813244018	44.5668795187
0	0.333639108
5.7176217193	5.7649657199
2.378209447	4.7958037835
0.2604915655	0.262648531
0.495345212	0.2497234258
13.0391725719	12.5755268372
4.3023688185	2.5304965041
1.0617574241	1.8734610373
91.2174440954	158.1931436225
8.8460509684	6.8609996217
421.7475014729	319.2926263952
16.8981045316	12.3912923798
7.3123270503	9.8305010596
6.1940901959	4.8041380999
668.5553836547	584.5998401194
75.8810110564	78.5069663331
0	0
17.7608358215	21.0681200505

gene_expression_table

6.0543060687	12.2088758778
0.6544952513	0.2030506805
336.0601749053	323.3770187406
1.0528425706	0.3538534975
0	1.762392374
35.9993439394	47.6403790849
5.3229384326	3.5780095408
0	0
4.7219615128	7.9351018041
7.4175215634	4.5704641625
4.9763570193	0
1.3226168519	0.7408714464
3.3513650008	4.0549386356
14.2811511141	14.7534879842
803.6225459007	812.9989293533
29.0106402652	26.6507826309
17.4265469986	15.835453069
41.4219069878	58.4708537545
0.2561116085	0.5164646128
11.5124120396	19.8298875012
14.352522981	25.324892468
44.3822436947	51.0147092057
1.7361478756	1.7505238154
3.7558023948	3.7869018134
1.463653021	0.5534147264
89.3265566315	156.4307913749
0	3.979881499
876.3704622828	687.4180005759
9.5154010663	14.1827187122
13.802280413	15.5481660149
45.6376432411	53.3780259726
1.99065751	2.6761878437
3.810990913	6.1480757002
9.5595027787	8.3242963751
4.0143943324	3.0357262402
0	0.4604473731
184.5582957584	107.0238454194
55.1212781847	29.0635692201
3.2900828979	1.9903955931
0	0
64.4697553204	80.0044166052
397.9690035731	409.7374859155
20872.0423904162	20456.3987948683
6.729365441	4.07105223
31.1035151045	39.1132366173
0	0
31.0217945652	26.0655553157
511.2899747243	723.4806377737
9.971387048	12.1485274872

gene_expression_table

6.5028077195	6.5566533476
36.0773156642	42.3149958255
7.551926982	8.7425278056
14.0122781	11.3026439132
26.2869516726	33.5860035432
105.0913753085	114.7917012253
5.1664136134	1.9534475284
4.6046425714	3.7142165578
9.5667576358	4.6674067213
13.4166163446	14.2304490641
37.3115921996	37.6205458399
0	0.3322832396
4.7490340463	3.6616853661
483.5721664902	555.2339703996
115.108458006	118.3021695637
243.626255454	265.3453580609
3.324435397	2.2346419593
0.8145612969	0.4927836976
0	0
0	0
7.4959576504	7.5580269235
0	0
0	0
5.7470217886	6.4969861092
15.7432190921	15.8735787086
9.6978426029	14.8482931801
0	0
1.1926763483	1.202552145
176.0682065436	167.7838288992
0	0
1.4875713916	2.9997780545
0.9745726158	1.0481519294
4.2712500529	0
0.949010231	2.8706051491
52.5002660487	57.1417414388
16.6492889565	24.0683251615
38.0912905481	35.4523388086
18.9095240185	11.070639754
48.3079814454	47.0284033785
0	0
21.1160577187	17.9789876314
0	1.0597518218
6.518703732	7.394266108
2.9283109914	9.4481871304
14.3925482708	15.7736128679
4.0597378059	6.2974675706
0	0
295.1387645107	363.9853552329
33.5943905911	16.3899505362

gene_expression_table

2.3694012639	2.3890207736
28.1470970352	28.380165301
20.8484432274	15.7658069762
15.1727918048	17.6076247651
0.8096814894	1.088514598
28.7477655383	28.5563881881
5.112712863	9.5736605656
0.760411407	0.5151318648
1.8886118039	1.16586747
1.7864647187	0.8786620978
0.2966288496	0.19939003
2.3219431663	3.5117545584
0.0948566201	0.1147704812
0.960007515	1.6132612144
6.8964157165	12.5411710151
0.9201190685	0.6958034934
5.2910413613	3.8010828483
15.5189216138	13.2498348091
0.0947495363	0.1433011457
0	0
1.5345730667	2.0630398578
3.8228328893	3.6694719524
0	0.040930964
0	0
70.4253268318	86.1166603396
14.0739732256	15.5920428135
7.9203371252	9.4943720497
0.7004604822	1.2712689924
0.1515516099	0.1125942725
15.3412105529	13.8063642172
14.8481910799	8.7041508935
2.2838130968	2.9167836132
29.5014666985	24.7297997014
3.8216972111	3.3326203354
6.133310329	4.3804016049
6.3125320335	12.1086479151
1.2844317347	0.8806457637
20.9988204025	30.3419771221
82.2520724472	74.0474551009
10.1623978345	10.6191478885
1.1047608068	0.3713028769
135.8305122084	158.5229926713
0	0.1038351693
0.6757958017	1.7716182596
0	0
3.1358322635	3.8874566834
0.2537413543	0.0852808085
0.6206879944	0.4814057832
0	0

gene_expression_table

2.6473878866	2.4557644891
2.405892759	1.3861796752
3.8463364057	6.1404603417
8.9464625337	8.1184882663
4.5589147714	4.3968092867
0	0
0.009938	0
76.6226530401	86.7171717532
14.6629331188	20.2600318578
9.4589883314	5.3906547313
12.7341281198	10.0882346412
136.4955831385	108.4901383475
2.9101061771	2.9342029214
2.3804160131	2.651302782
0.8351116384	0.5829415397
0	0
0	0.009873
0	0
2.6317736732	2.9045786963
0	0
0	0
0	0
0	0
51.7689192286	55.9937728159
0.5722215023	0.1923199019
0.1799597492	0.1425677643
0	0
0.013286071	0.0133960845
0	0
5.1022076296	8.3102747156
1.0501691581	0.8720064237
0.6998110067	1.51201221
156.6628351079	166.0310127324
1.9454242111	1.9070460068
2.1344374685	11.836612656
2.9427805484	2.5364328382
0	0
164.9432128967	120.8580954003
0	0
0.1617134331	0
0.9372646377	1.0882112186
44.7862307134	46.3031958044
16.8688927914	19.2981890478
10.9494118436	13.4400937164
0.3061762867	1.1319423075
0.3441366899	0.2669125136
0.9778363123	1.2050294115
0.6553576998	0.4295097959
21.3338296967	26.7088480055

gene_expression_table

2.156421375	1.8481357333
0.3682509853	0.2062779101
2.5049428848	2.9352552253
63.9217905222	60.0061838379
5.9272296988	11.6206014754
0	0
105.5185949322	127.9791765824
0.0755061383	0.1522627136
0.227574904	0.2294593075
1.2144880761	0.4898177928
13.8663823967	9.2303075345
5.7230018335	5.6165133066
0.8001435993	0.8542260859
7.929616625	6.6210885611
100.4076926561	96.7358829646
312.7660586727	519.8173782158
9.8240910595	11.7397785236
1.7854547085	1.3501791953
0.0183536339	0.004626
1.2837118344	1.4436885273
5.6774510749	4.7703853732
0	0
1.9298161471	1.4009729265
0	0
0.7377812752	0.7438903742
1.1894508707	1.3083272282
34.0735406573	31.9863246632
10.2566523729	9.2335546506
0	0
3.5744595797	3.4680552468
6.0937989177	5.768078754
0.7009408629	0.7067449098
9.2737900284	9.097862015
0.4466175879	0.5253683692
138.2432625816	135.6207250337
0	0.1350498524
0.1924829109	0.0646922466
2.7562128257	2.1895429453
195.0080390121	131.96159527
10.3848274927	7.4791554753
19.2221067677	26.1773035862
0.1531390404	0.3088141754
0.7763640342	1.1741889188
16.5801042982	10.6881696982
20.6288972963	26.5390517669
2.623107315	2.3213594795
0.1474504474	0.1858392389
18.4891076267	18.6422042052
0	0.3582093901

gene_expression_table

2.2497758374	2.7409891392
0.9148703517	1.5681578822
9.0132643046	9.5138926242
145.4442414829	155.8862784263
0	0
1.1323470551	0.7992063123
0.0320050533	0
0.4504729609	0.8579390792
9.9575551144	5.6475041149
3.4979617687	2.9391051437
1.4603475973	1.9821305134
0.2521780453	0.2373150937
12.803629082	15.8725178081
6.5168591639	5.7494685002
0	0
0	2.6814413302
10.1374750547	9.0363252258
87.2150225393	109.1886836035
72.9301709032	77.4042730655
3.7966008314	2.8878181976
0.9222438279	1.1623504305
1.241292171	0.7151831568
12.691355778	21.327408082
39.5301004895	40.2906570621
1.4064612127	1.4927444488
0.1831952996	0.1847122237
0.0958090535	0.0966023876
9.167589937	9.6453922823
3.043198742	2.1040440284
15.3815811673	26.3359465292
6.4811313652	7.502915654
0.8206449646	0.8274402052
11.8871031392	9.6277229918
2.924772247	2.9489904317
3.198787766	3.4867836751
9.2948273802	11.6786945875
1.7369116698	1.9702056759
0.4266683128	0.4302012826
10.960350301	15.2056571461
9.1506797864	11.8625795542
129.0852006709	82.2813107577
15.4945800084	15.977946275
50.3308984561	51.0119674296
42.8380072173	44.8329515307
5.1290688415	4.4582236284
0.1179168729	0.1188932678
0.8200839037	2.1498736964
1.0233994083	0.515936765
52.0700059901	48.6432516375

gene_expression_table

0	0
0.5638811663	0.5868906413
4.0781336829	4.7972191429
3.8369447786	4.4927025512
2.4988592702	1.8109270941
1.1809746488	3.5722606536
0.8913390442	0.8987196577
0.1335911523	0.1346973359
3.3587382495	2.3222055988
0.778823181	0.4417155686
256.9700917361	336.0634869457
1.7523237133	1.9788536265
2.0519048722	4.9653489493
0.5967681514	0.4970644606
818.3690105004	836.6116565786
3.5992385456	4.20204812
1.5858784725	0.6852900543
3.1418264842	3.8347560538
0.692544889	0.3491397071
0	0
80.8290262111	75.1850699821
2.237400494	1.0254213587
37.8626374702	37.3277949899
0.2222685713	0.2241090364
1.6416089938	1.730438577
5.3814204696	6.543094254
3.8364536926	4.9231902789
1.4382426956	0.3625379679
1.4621711156	0.9311232174
1.481675148	1.2570991863
0.9919563093	2.6671201883
17.91194984	18.2948162674
0.3993476784	0.2013272117
2.0494702437	1.3776270716
1.7052811834	1.7194015358
22.5294195268	31.8215295095
2.6934632893	1.2344391596
0	0
33.1095311783	30.6303961769
1.1614399687	0.9758809306
3.9503568242	4.2675720264
915.4092060813	1109.6207614879
22.6796774263	27.4982018699
4.1082935822	1.6828141512
0	0
0	0
15.4809147328	11.8122936878
0.8417214208	0.8790015816
0.164991262	0.16635745

gene_expression_table

23.5643525865	20.8229098424
11.6004167301	14.0185662172
4868.2216194631	5254.6384840352
8.7405740876	6.9244601174
1.0944012681	0.2758658278
2.0276968027	0
0	0
518.6872114743	770.2498337465
514.2431772493	435.6357945775
6.3175823721	8.3814398243
406.4806300338	327.3029350693
129.8732049325	161.1519180674
15.7877727595	12.3312333988
28.3319872519	28.5665864765
74.1225071472	106.0772845167
0.1428058205	0.2879766099
53.510438557	68.91873577
5.2318446809	7.9127494047
24.6104932625	16.6784485794
1.6236670322	1.8417505382
0.2399218715	0.2419085124
8.9956815261	7.0087670022
0.2827781087	0
1.219409475	1.0245888599
8.5488419767	6.464722138
8.6435439149	10.3432141451
25.0523009738	32.9639648702
13.0478153655	14.1126455836
3.4549709284	3.8383883604
23.0439606495	26.6075627186
0	0.2694759541
2.4918038653	2.3449411191
16.2594307003	30.6022541771
19.065049905	15.2181414347
0.3518984458	0.3548122938
34.7810376712	41.4452260107
0.4720984351	0
2.724053297	3.0357262402
3.7757800672	3.6378429122
0	0.1623729611
78.8364420537	104.2481792128
3.1869418701	3.2133309153
4.1155432961	4.6475760811
0.6459657892	0.8811903715
5.2741786913	4.9239359456
25.9944639132	21.7981726482
1.3916319057	1.2277607364
0	0
40.0800769598	51.2309031608

gene_expression_table

0.321297158	0.107985872
3.4387284363	3.6711554468
2.9872988242	2.6355304079
3.5049305913	0.7496263302
18.3330148365	21.746845776
290.5048669473	299.0126526094
0.543986622	0.1371227576
4.0816102958	4.115407523
18.6762196693	12.2400626426
22.162629851	22.3461445382
7.6419542709	9.536178774
1.5756485984	2.4965215716
54.5777411168	48.0221419328
5.9214724765	3.9803362907
0.2757228748	0.0926686537
42.2858774332	58.4113473669
29.9066739274	29.5389180088
37.9208237407	46.4279981928
4.7870671971	6.6367205653
3.6103199403	3.8750672729
0.5965578629	0.2673322579
4.5649371755	3.6504462104
17.8626762425	26.1222235923
0.3694996983	0.1693451323
2.0135436202	2.8184181977
4.0008651736	3.8995273416
1327.1227821106	1579.0745138181
1.7694053692	3.0191728655
20.5778579132	14.2644219497
1.8461801375	1.8614671848
0.1573695954	0.0244111805
0	0.0450063221
0	0
0	0
7.2898145564	8.1040411855
0	0
0.006921	0.0139560702
0	0
1.9704069695	2.4541868159
1739.2058905037	1931.7704355574
3.8967953828	4.7803591011
0.985096894	0.2483134642
13.3667935807	12.6606588257
32.5934075104	44.7415914766
2.3816160758	2.0900523379
25.2854472261	33.7431440966
7.8656353433	15.1405526674
0.086233601	0.2173691169
0	0

gene_expression_table

2.4914611017	2.3282797522
0	0
0	0
2.7089276248	1.6388151222
8.6103055248	12.3545874702
34.7456579611	45.7380039487
8.7424901696	10.2573162916
21.7024298223	20.24338377
0.990590997	0.8323278775
1.9762330057	2.4353962579
6.6385853468	9.1478588599
1.8495486898	1.4918909039
0.4258928228	0
0.1996547982	0.4026160261
0.2239980186	1.5809696296
0.0505557708	0
15.1848072862	14.58146957
3.9342702895	4.0204535347
1.2904695715	1.012009547
2.0986105337	1.1659524596
0	0.2515739504
9.3993842992	6.3181430944
0	0.5563849415
1.3191884425	1.615135764
0.276384652	0.3715642908
4.5322405363	3.7129374318
6.3934052937	5.1570760237
1.2392297636	1.3883233774
1.2354345254	1.7701546388
180.6820490178	197.0774917936
10.7605501593	10.3450165019
258.4076329336	437.63811472
0	0
5.1739206862	5.4174073603
1.8068787882	2.2903136532
0	0
0	0
3.3479147937	4.6484178247
0.1631708063	0.2742032005
0.723049739	1.4216218681
3.5817387691	5.4170953156
0.2989166747	0.2482050234
2.3765045263	2.6484126277
0	0
0	0
5.528564058	3.430364672
284.3281516692	308.1836797979
6.4026416207	9.9641675307
5.0896048447	5.2510916273

gene_expression_table

0.017611759	0.0177575909
16.0330463	25.1468090095
1.7187950348	1.9897720701
0.9904970513	0.8834642607
0.0438701117	0
0	0
2.4501312397	3.0194012728
940.4689496203	1361.5988999558
0	0
95.3935463184	116.4599487283
12.0721165169	10.2701908634
4.670802848	3.5514102465
22.0783733454	21.0175484384
0	0
0	0
0	0.059652488
2.7459200073	2.2887566435
0.1182371166	0.1788242448
146.8698677605	183.5800953606
0	0
0.0251926468	0.008467
4.8699753227	4.5067141584
2.6026723281	1.8840578311
1.427401877	0.7196106435
136.3673655119	123.3178884775
1.7256740427	1.8738065827
16.6115252985	16.2933176705
0	0
36.0159771307	37.5521867836
0.2175947858	0.3510344805
0.5770875337	0.5172142487
0.7035245688	0.7093500098
0.8890214855	0.4826677201
4.5779319197	2.8096410523
2.9774708461	3.6868206599
1.8631794024	1.9392074424
0	0
0	0
2.1420634911	2.271514383
0	0.007948
0	0
0.8437866867	0
0	0.4918790476
11.6760670661	11.01048484
13.935405578	17.3293148654
14.9448583854	15.626703849
0.0758672975	0.0764955064
13.4660032314	15.2161712647
38.6251887493	37.0605830248

gene_expression_table

1.142344564	0.5759017975
29.5776886642	19.7355459391
7.3369163062	9.8635582116
6.3437059011	4.920180083
0.1769350995	0.1784001868
0.5502053523	0.341391541
1.0899322705	1.3082825103
2.8845917191	4.0164685065
4.4962087325	4.281581265
3.3346464783	2.644976743
4.3606863678	4.3967944471
55.0654654868	36.6441422795
21.1678127621	25.2236518178
0.905043448	1.0342092109
1.6618852179	1.2346867001
6.8380582795	5.6019274227
0.3504642093	0.4269841357
0.7095519456	0.8298956627
1.3338688918	2.3535991752
0	0
0.7369142566	0.6754692513
0	0
0.1994611332	0.1005563722
2.6692837605	1.9224188621
0	0
0.5182649988	1.0049161975
6.8775374135	6.4721868779
11.3640309717	11.0630214005
2.9791316508	3.2511717119
4135.1297850201	4127.7656240593
6.0828662211	4.7069009567
4.0894643563	2.4254862459
6.6760737017	7.2627767225
0.2219130513	0
138.6277438181	159.7435797459
0.3548406922	0
1.4977066177	1.2487433
35.2962423958	46.3529335224
2.0537777356	4.0197567241
36.350274203	45.0630341537
53.9760689697	68.776332048
50.102785247	57.7344624543
9.6637320163	7.7884834443
13.0986333559	19.995788441
0	0
1.767511779	1.5593789955
4.9230061778	3.8182849776
5.6847194538	2.224277109
11.0132234016	9.8451531477

gene_expression_table

0	0
9.6584526254	10.2601296563
4.613583625	4.651785786
21.6918813235	20.8299981339
45.2210212662	49.7405104082
5.1662894407	6.5113352603
13.0635644475	14.8791827426
20.1213075042	21.6404472482
23.3596466114	26.6252129966
0.6064600493	0.3930954175
17.049866132	19.3876788257
1.4879077614	1.5002281823
0.420020796	0
3.8550778464	4.2931037067
1.9864168729	2.384363252
1.400069068	2.7055656631
2.7056602779	0
1.0144097933	0.7305781984
3.3362180272	4.3729960736
33.6024179245	29.9713515237
1.3252213606	0
0.0895003198	0
4.6536680836	5.1187659913
0.9815952454	1.9794464266
9.6774768118	10.8248484406
22.1947581726	22.9243569158
5.6887239922	6.3976550985
16.5305001423	20.1699438303
0	0.3176732868
0	0
0.9472794021	1.001714599
0.6490302916	0.752565175
68.9946153885	83.2999595709
14.7683798385	10.6070507715
59.2416804957	64.5108011574
2.2599133352	0.817333327
2.2962203945	1.2862410777
0	0
1.6576462073	1.3488266269
106.9487444104	104.000210034
11.9142652826	18.789438599
0.9859104814	0.630388505
0.9231433496	0
0.5709683728	0
22.8262311681	25.7551503262
11.4820089572	17.2817343766
6.4016874487	7.4414008489
0	0
0.2601776682	0.4372200575

gene_expression_table

20.764899075	20.9368400398
0	0
21.5459609743	31.2934368989
17.9242437019	17.0891167147
0.2292177824	0
16.8024661614	37.2715128088
0.009749	0.004915
0.0509697515	0.0513917997
4.1455459068	2.3511783061
6.144577921	5.3103919502
0.6131198562	0.5151639276
0.0393903295	0
0.0865746195	0.1745829781
4.7878186607	4.925983216
0.6628412804	0.6222381351
0	0
0.0456338452	0.0460117102
10.9091504696	9.4526800401
13.2826107708	15.3645115736
0	0
9.0251618252	12.2551329123
0	0.0842877747
0.3341525543	0.4161946268
6.3122912511	6.6453487154
3.6974345436	5.219270917
7.4022510937	7.9025764682
21.2208378376	20.3776706116
0.6275093047	0.7285697526
0.7304289174	0.7101743813
36.8267734694	51.0932365832
3.8012265536	4.1588895136
0	0
0.008448	0
3.6405786027	4.4472232181
21.7707779353	30.7314671233
0	0.3372441315
9.9266451281	10.7787522587
0	0.3843734593
48.6502822586	43.9142256558
0.00824	0.008308
2.63459553	2.1251287563
6.0870205147	4.4325834746
92.7600837615	120.5706616041
0.0404170632	0.0244510388
81.7972245931	84.0708168855
0.0363947223	0.2201765037
2.9663580836	2.4830284345
15.3350600523	19.6653129621
3.2851216937	3.0757291535

gene_expression_table

9.0215188033	11.1086583964
0	0
16.3492051244	33.6560226592
0	0
12.1236783661	11.4302962851
1.0242990248	2.0048093915
0.2997914697	0
0	0.0994129817
12.8932569826	9.6544250355
0	0.1549986778
1.4019172822	1.2957318645
0.028036565	0.0282687181
0.4307841137	0.6515267457
0	1.3290568864
0	0.3513478472
16.9512226479	17.0915849759
23.8864437089	21.8390919154
161.2613887084	148.4578492466
0.431877365	1.306360403
0	0.274301667
0.3645809765	0.7351996809
3.0195494315	2.5638336051
3.1102966437	2.4500398737
45.5290085947	42.5320674106
0	0
0	0.6751550247
1.1603689156	1.5954234477
1.4541176853	1.1995840735
0	0
5.949478571	5.8862660106
0	0.1162203055
6.2399473427	8.900335382
22.3330294917	20.6015334354
22.8709322094	38.886016144
4.4384123534	8.9503280644
9.1828470037	7.4071074704
7.3597454491	6.6395619052
0.842112735	0.4851918496
0	0
17.1422257426	10.8026060289
161.2663646012	142.8258255845
64.3141204773	49.4069828078
246.9087478421	396.9794950335
1.5630908297	2.3640506909
2.8759465891	0
1.7564506014	0.7083978621
0	0
0	0
328.6605008989	374.3388470135

gene_expression_table

1217.1602016017	1473.8896555221
50.9667060254	52.9946267876
0	0
4.3719391008	5.0092504055
9.0337565073	9.900607954
0	0
94.4595754439	113.135637087
0.1818012337	0.4582665361
63.2033000661	52.5744833827
3.5360261449	3.1196425187
6.7344628772	4.8501619248
23.0284867864	27.9685469899
5.6511427653	3.5064223359
19.1676976193	22.4281831865
2.361787819	1.1906721433
56.8332467175	95.8737436888
0.7414868089	1.1214398867
155.6721340252	182.7476319478
1.0404129149	0
21.3716761274	26.2078071425
0	2.5710010983
8.3835634431	6.8876153027
52.6594535447	60.1322451914
25.8474217585	26.5933141544
2.0080722195	2.0246997925
0.2470986254	0.498289385
59.4938161881	42.891863488
1.090566355	1.6493949654
0	0
10.877848236	12.2213974639
70.4829117699	97.8621152544
199.7448420226	302.0982036382
1.2824141782	2.586066074
0.129382375	0
8.3136219544	6.9853848226
16.6213772266	10.893355404
2.3039796204	1.1615287075
2.3713529948	1.7932414991
420.4482396183	628.1515490937
101.5457684533	92.1479441256
0	0
0.1640588423	0.1654173096
9.7032147821	9.1720883925
29.630852731	32.116922565
4.8853701166	6.9914903823
0	0.1308418148
0.3178209909	1.2818106602
24.752923222	22.0558066623
113.0127564726	104.59045052

gene_expression_table

0	4.1945957225
165.9677049023	268.5735453341
31.4987781039	26.744925908
109.2670496831	170.3990829124
3.758526557	2.5264323551
1.0755922046	5.4224925088
8.7481750733	8.8206131649
19.1921502377	19.3510682664
22.7022705268	22.8902536363
0	2.0448469461
83.9938810402	109.2766207984
16.1883179137	0
6.2467669212	7.2432663035
140.2313039273	138.4000372144
60.7310936323	48.4768923755
28.4656150526	66.9697484499
1.2252915666	0.8236249528
12.2905395611	15.2520735104
125.3017171212	116.282404589
21.731648603	30.6762324507
48.3601265882	76.8916619856
97.7513923087	131.4144128215
2.0657699233	1.3885835029
2.8673531232	8.6732875696
3.4881365746	3.5170196221
1.9230611461	5.8169543887
99.016826067	160.8480515135
1.9778925013	3.9885403503
764.047687187	611.6433170598
0	0
0	0
0	0
3.30671093	4.2866893373
2.0784807213	1.9423480364
0	0
1.9520381843	2.0119395922
0.1614029034	0.4068484463
4.373732198	4.6250677308
0.6705592303	0.540889365
18.6233820822	22.8376100705
0.6719290768	0.9484900537
1.3089158064	0.6946074255
0.1254818858	0.1725285297
12.9583827692	12.0758584578
7.9802716348	7.0710359073
17.5864769748	26.5981491618
9.073281292	10.4553272939
3.4662881072	3.4949902415
6.748726188	7.9180894383

gene_expression_table

2.3942178741	3.6210643116
6.0562655496	7.8287354423
1.5129401596	1.792424733
27.2187116058	31.9186727995
253.7267319557	223.6255962987
0.2549952975	0.2785323146
1.1175553322	1.1268090994
2.0824250902	1.3122927076
5.7890021664	3.9723600547
2.0279646269	1.5335676872
3.0544536187	4.619618419
67.3492579271	71.5190054146
0	0
1.8091052825	1.8916440526
4.6216703684	4.499251922
0	0
2.8921263167	0.5832148362
2.4455738443	1.8493680681
0.410373662	0.2586073163
6.396774196	6.8182985035
13.9903688807	21.772635047
0.2659338467	0.3575145018
7.3385235808	6.0119225092
0	0
2141.7612502278	1763.3400328932
49.7342901752	54.143261862
1342.8741757892	1426.6328106294
95.5713862813	100.6455413338
9.1600200001	8.6586265485
3.8498941769	2.5878484732
0.2876521319	0
19.3849403549	16.9821164276
2.5953239464	5.6425055727
422.1607483541	555.0789460606
3.2137686456	7.5608862614
2.0157351415	1.3210770081
1.9796493182	1.3306943595
5.0019637749	8.1470014754
0.846700059	1.1951954636
0.7265982254	0.9361188149
0.0575839366	0.4644860216
0.8167335837	1.8116921607
5.5322697099	5.3174210342
0.5253166027	0.7062218886
12.8878457108	13.5852236901
0.1772769491	0.2234310839
29.3018304749	48.1342331649
0.0476571016	0.0240258599
1.9713140376	3.2654040361

gene_expression_table

78.0671944111	90.5588727532
0.3574511918	0.5406165277
13.6808954102	17.8512894763
1.0855110632	0.3331085411
0	0.0686483986
19.8372904433	14.1979917837
38.9908244106	42.6595280451
2.1836021464	1.5541292975
17.4728243242	12.3322539935
1.3827553371	0.9958607553
18.5491142761	21.1964020959
59.5536312712	56.4439517079
17.032109113	22.3650211114
1.3689122851	1.7746037742
0.0765291497	0.0771628391
2.6506751397	3.9134847037
1.8937903442	3.3580362997
5.9213842175	4.6724990448
29.7376621749	30.6085655045
12.4286158564	13.6056604315
5.1545613888	4.3976671909
1.1891769577	0.4937156734
1.7728299243	0.3830377725
0	0
7.2813155015	11.1792659034
0.9111341289	0.4751786136
0.9259068757	1.0772004503
4.0739690225	6.4674472407
4.4356334497	9.1391747632
5.9662027681	6.277153159
0	0
11.1839848522	12.0937367128
32.1691619496	33.2891010795
2.7508689242	3.5441046607
5.7095219577	1.9189329631
9.936838416	18.5201898057
2.1808004585	2.3422620856
0.559918805	0
0.3149782582	0.5398968689
1.3726108721	0.4613255308
2.1331383243	1.5362867788
9.6120952776	10.7993083099
0	0
3.0068357851	3.9300248892
13.1943237476	8.5684058975
4.4259683501	3.7007067706
0	0
0.2938236118	0.2468804824
20.1192119655	42.9581782686

gene_expression_table

0.5049581528	0.4525683477
0	0
4.1391345411	2.8554897459
3.0417237404	1.8742229772
0	0
0	0
0	0
1.9025675576	2.3979018917
6.0289477186	5.9495319611
0.0743648001	0.0999740905
1.3600673394	1.6939948876
10.6141763314	9.9019111594
5.9322509922	4.7850977614
0	0
0	0
0.7158044994	0.4330389736
0.1723716809	0.6082964353
23.2958792394	24.5941318884
0.3882561834	0.117441326
1.5337360339	0
1.2902030767	0.9947955056
26.3274177393	22.5726346892
0.1726269843	0.1044338394
0.1406104175	0.132323075
1.7619182528	1.837766463
13.0028118141	10.7505934813
29.2277402474	45.4233090986
5.1211011791	4.619978848
0	0.410183034
7.3299109756	11.6138083621
7.5903541541	10.7509309242
13.5833561104	7.3370524665
42.4381546795	38.8162420211
0.3535985427	0.178263234
3.3216431601	2.1670954937
0.2667614183	0.1412094077
11.3959676577	3.3795089533
36.4899591669	39.8811020769
3.0902519558	2.5493239416
0.2191551869	0.3314548082
0	0.096466745
282.7839098379	300.1320674909
4.8571023222	4.2624830119
1.3344356624	1.906104144
409.6718387794	483.8750552479
25.7812305862	27.0193175645
0	0
2.6585761202	3.6858113924
0	0

gene_expression_table

0	0.1321613732
13.1829309017	18.6089265527
8.9175416604	6.3977142359
0.6637590435	0.1338510423
1.5226152714	1.9260071407
0.2462800759	0.1793417636
0	0
1.7707410681	0.9738564285
4.4850787323	2.91431751
8.9702905629	9.8751914303
3.629169911	3.6592207662
1.7807608664	1.9451317364
1.507146514	1.0130841592
0.0738467319	0.0744582099
221.627342696	312.8474974994
0	0.1143252226
0	0
0.3913171626	0.2959180589
32.676759769	19.7684011802
2.7576395956	2.3170615507
1.1982612011	0.8629880303
1.1345361834	1.398137349
7.2033200957	4.7367171018
2.6212816168	4.4049779801
0.384438885	0.4845277246
0.29275169	1.3774869787
10.0853204514	4.110803858
1.7308789134	1.1967162681
3.2368141845	8.8117637147
0.0808794329	0.0815491442
212.2536118927	144.5325799151
137.0126463695	138.147161231
0.1513191987	0.0508573924
2.5531809559	2.2385410685
18.7383657185	26.1777773278
4.4356021715	5.9631074413
1.7055357581	0.2456654598
6.5855847913	8.4993482801
0.592258918	0
0	0
35.3229758976	42.5648217142
8.4968014334	6.0684036253
0	0
7.4274018402	6.5850702715
43.9670543748	38.9342859606
96.5991941381	57.0960070342
14.5139150373	17.1572154914
37.7558185272	42.0881005794
22.1788463788	18.5241565915

gene_expression_table

38.5481767824	51.2598645131
0.4702117625	0.276561418
0.9625754529	0.2426364825
0.1762598367	0.1777193326
6.9913407375	5.750688935
0	0
7.6299901555	7.4184132215
3.9145462241	2.8505822942
0.131055131	0
145.430053521	103.3422457334
3.8615996454	3.8935751039
1.7527077843	0
5.4394379512	4.8750919896
0.3839453902	0.3871245986
0.2962627872	0.3733949393
3.8862349157	5.4352199233
9.1382659147	7.5879457304
9.5136237133	9.8664685713
0	0
0.719863104	0.1814559585
2.9749506278	3.1870583272
88.8770668992	102.6294151761
17.7244673183	12.7352183931
1.455257404	3.2606832621
340.2134944525	378.3694393395
12.6709900244	12.1104984566
0.6459828421	1.3026636329
0.258007173	0.303500828
0	0.1731380996
0.2752100283	0.2533594013
0.0300952626	0.0303444624
8.4264355565	6.9745003581
5.5434818877	7.5456683281
0	0
1.3290086229	1.3400133008
1.7829206455	0.5992279604
0.2038994631	0.0685292751
0	0.0652268542
3.4448968812	5.1541098988
0.1612424407	0.0975465523
0.8554557717	1.2938088879
1.7410515595	1.7053118722
0.2522217073	0.3269702512
4.1661686478	5.170050522
102.0732051083	77.6402029847
0.7960519956	2.2072698932
131.5392214997	151.1347047812
11.8537050748	9.7424477049
1.4354637425	1.0252061846

gene_expression_table

1.4990636633	1.9284354823
4.4911428013	3.4415316418
3.2861484616	2.8794667271
7.1599007933	8.0942404099
0	0
0.4591109687	0.3967822076
2.4874730627	2.4296930548
4.9108268759	5.0722583765
233.8695290084	382.8020362173
7.7684459846	10.8559465491
0	0.0324499051
0.5586054617	0.3644435361
0	0
2.2661450437	0.8885759377
1.3509180916	1.4918283963
48.8836606275	53.5743861195
43.1284275004	43.485546666
62.7164748472	85.2308476805
20.2660792221	26.4592675303
4.7004627818	4.3748163084
0.9462405917	0.6463094198
326.4644112594	403.9784870043
3.2403968134	3.4033630053
5.9590250654	5.1247844485
17.1069973397	25.4896709857
8.8694933878	13.2789050283
1.9298290837	0.9729043874
256.5907042646	274.4906966046
0.0546141777	0.1101328062
3.71567515	5.8277991337
2.486480047	3.8819133087
0.7928916167	0.3366134945
0.400587565	0.4039045766
0	0
98.7903757225	113.9233752865
1.5431532524	1.7681035524
4.5889196843	7.3056593984
0	0.0596537139
22.3223137254	24.0315393432
7.1709336523	6.7482908338
0.2248487243	0.113355277
5.9060757892	5.6932228845
7.8389934224	6.9400125283
1.0510600399	1.1221022136
0.1513298045	0
5.081061605	3.6401219916
0.0281737557	0.0568140895
2.6991616697	2.9903029969
0	0

gene_expression_table

17.4430766997	17.2991918945
26.8543399063	20.6835930812
6.0883078346	6.820801391
1.1972178401	1.9238654169
0.4582470509	0.5775518803
3.5478446742	5.1103173239
0	0
4.4707553415	5.7907568997
29.1649673257	29.810214007
129.3743198764	173.9274487983
1.4196544106	1.0905978429
0.5704097853	0.1437832468
6.2490914798	4.9506570493
7.868322612	9.5201702438
1.1963294911	0.7071035907
13.1217696562	10.3953321307
3.6319778506	3.4094966493
2.5776268395	3.0754484642
0.1381536405	0.2321626721
38.9388845892	29.9813661428
0	1.720094957
75.7309992143	95.8425550929
7.3387278064	8.5755738595
16.1832622241	10.8781770392
22.5875724134	24.9785998883
74.3691996134	81.4651893211
10.4394371995	15.292315588
11.4573667883	15.2425362222
15.1381359561	13.3149552292
33.4055836773	35.6253976452
0.3498052848	0.6550176297
429.387907031	518.0305374899
0.509423654	0.3735577224
6.9080227484	11.4152277392
0.2489361871	0
563.0404296246	675.9509895811
29.4480804935	28.8121607452
12.5896029256	14.1042771621
0	0
0.8868830979	0
1.5872212464	3.2007280385
89.9944523128	78.1369116348
2.8499666236	3.591956738
0.8271290147	0.6254834593
8.2379564631	11.0748930104
1.7875502141	1.2015678561
97.0136120948	159.2368470196
2.6618246731	3.1609972101
0.3748222818	2.2675556851

gene_expression_table

28.1766007499	26.0138965315
0	0
36.947455003	24.835595636
11.6452263524	14.8315617967
32.1028439995	30.7502339332
0	0
0	0
15.6794395769	25.1777280093
2.4799174766	2.9692868699
2.3356762552	3.7885048196
2.4873923654	4.1175936912
14.9793963502	18.513883449
6.1616576122	7.1246311841
0	0
0.0500136384	0.0756416544
0	0
2.9451288391	2.3646142612
0	0
5.8105208107	2.9293170249
0.3956515551	0.324128752
0.0255627212	0.0128871949
69.0365116463	83.5297910779
1.8369577639	6.1810737693
51.0973116019	27.2027796716
2.8724393371	1.2872107494
1.9487713898	1.9649079302
2.2160285439	2.0312527921
0	0
8.1805481299	4.1241430313
0.7212985014	0.5656553133
0	0
0.6372601075	0
5.9793025802	7.6293833218
0.4346300877	0.202259531
0	0
0.3995589918	14.1003620262
0	0
47.7899085673	49.8616482937
49.2066739948	47.2738344329
3.531724051	1.6757496559
0	0
0.0103679519	0.0418152092
0.6346762615	0.6677547269
43.5916148632	45.5804423301
2.4838848453	2.5044523209
3.1492883956	4.1781127056
116.9573868227	113.4334239643
0.6926073705	0.4834678244
1373.7119983397	1690.2074149679

gene_expression_table

0	0
9.0082303438	6.2881073919
6.6418110027	6.0880069353
2.9589103765	2.5856230725
2.7914255397	2.3539785452
91.951141657	94.4618237993
0.2976278137	0.4060072036
0.8986257687	0.5788759594
0.4654766582	0.6349772019
0.5474972254	0.4968276325
9.6006468554	11.5816005287
0.0750572946	0.2270363895
0	0
0	0
0.0937747574	0.0315170822
3.8574905893	4.0038270828
2494.4878447258	3091.8743575059
7.4044494844	6.3597223643
6.3199270674	9.9445850424
2.4924870439	1.8365149703
6.8299467038	11.0184018599
16.1371847803	18.3369407453
81.5469670926	144.9707313284
3.6302932354	3.6603533921
0.9439923058	0.2379522269
46.2881216832	45.6677181598
10.7729047093	9.718728482
16.3512113728	18.7255271072
117.8771738893	87.1590426921
9.392012306	10.1584929951
123.3629161934	88.9991872613
10.8061757889	8.5019125198
22.9895057017	23.7979970162
19.5344972347	15.2198295623
101.5961633756	129.6473556308
1.0068076116	1.1601649681
4.6264725362	0
40.7199344514	34.8598107281
0	0
3.3774131523	7.6621035811
24.9608890374	44.7423543731
20.4641367786	38.8396937816
0	0
2.4015203634	4.4392440236
2.0413930948	2.4783571028
8.1702525697	6.1784289386
51.0333360349	47.4786422738
27.0278435632	35.6552346617
19.1346213109	27.2372653821

gene_expression_table

24.9503728639	20.4400390054
17.2100295885	22.1394411211
8.7101855185	7.7112957448
31.4563470451	39.1459814809
0.9673137783	0.4291423358
2.3710866603	1.6300364494
43.6231132415	67.8091732369
4.3170003748	2.4872838389
0.1253514994	0.1263894557
1.1024239038	1.1909489756
0.4266028282	0.2150676279
0	0
2.7842171568	4.6787858233
18.4221295424	13.5172114512
2.0869115608	0.5079084023
0.109009146	0.5495589079
7.8950961478	7.4445140167
0.6884170777	1.110587877
28.6855759914	34.5942997387
18.4836117859	29.8734742853
1.0695095177	0.6789708376
5.0568499492	5.948509604
0.5693685999	0.4465091402
1.4112566967	1.3162217373
3.0983041915	3.9049491053
30.298332734	41.7021016766
0	0
5.5454072134	6.9467979942
0	0
14.1564859498	34.6647165994
2.3787007111	3.3577561131
13.8781585577	6.7708426404
18.4420734338	19.044654275
0.5894504754	0.5943313411
0	0
1.1148209992	0.5109327841
4.4086103149	3.1750823014
3.5006201984	2.6472049612
48.3189744683	52.0408282579
8.5661031879	12.338619511
789.9559363911	640.6208131988
0	0
371.6322314349	342.5915267077
16.5163170352	17.8015663363
11.3749071423	13.567100818
0.0887063462	0.0715526938
1.9924840981	2.9221565029
2.5221151976	2.7741809832
57.4959116928	57.7464269062

gene_expression_table

2.6227352453	3.5067739053
0.6305187559	0.5085917456
2673.9011053447	2783.9091166976
46.6273338018	36.404695042
0.9158745043	0
0	0
0	0.5128072976
0.7286621056	0
0	0.1409263601
2.4117053548	5.4712691051
5.9133636473	0
0	0.3603103575
0.3919164843	0
28.286208857	35.2008898711
30.8238434662	36.0015385474
0.4878343219	0.6689483254
0	0
0.0588848726	0
382.779727732	593.1132378859
0.0969778059	0.0488904088
9.2563334003	7.2589838447
759.9761069724	935.6255388479
5.8643969756	3.7081251555
25.3924578579	25.0295215531
3.1485234236	3.1198599646
0.2350578899	0.197503546
6.1930509596	5.7239707143
2.2045025423	2.885998528
0.9561194465	2.1423032566
0.2388568791	0
6.0344959719	4.6004482445
9.3052849637	8.2473761135
0.374326786	0.5032351318
15.0981761576	12.4472002762
4.0835649384	5.6728323943
3.7859006757	3.3400931541
0	0
0.080134239	0.0807977798
5.6225076077	5.4701495014
0.2902477729	0.1463255654
25.7562847501	28.8323419397
2.2212108511	2.6875239479
10.3972696443	10.9758698218
7.5000409479	7.7340109419
13.0937880849	16.3857209397
2.69724866	2.3899364581
0	0.2244014062
0.4932869321	0.3141293864
28.5286404301	39.9080150838

gene_expression_table

0.7617295829	0.6325010445
0.0275549353	0.0833493009
0	0
167.7481833751	161.3820006185
20.2313452513	20.0040513913
100.207646691	158.7730613601
3.1364847586	2.2137192003
14.9105806155	15.9055845606
0.5651398774	1.1396388849
0.2545378016	0.5132909354
0	0
0.0871644095	0.0439430814
1.1043855558	1.2875193776
2.5284652049	2.1799232973
0.0854981523	0.1149414777
0.6325865983	1.1161931321
2.0501474111	2.1229915816
2.499486836	1.7890191525
0.1321765846	0.1999065827
39.1250684378	28.9292947717
0	0
0	0
0.1205966335	0
0	0
4.4268115877	3.9383534188
4.3162185103	4.6079559311
23.2310128806	29.620589758
1.1532904032	1.691403738
96.3405367374	92.7757744147
0.4131629952	0.3185643393
0.7900299144	0.6560001834
32.2168025037	42.0200301678
43.008504103	49.0956386633
30.1038543286	40.1665416989
4.5440844699	8.188590145
0.077698916	0.0235026874
2.0199641969	2.2877890365
0	0
0.3550149459	0.2301136712
7.9429154752	8.2040195207
17.6144278309	16.9009132693
220.5521904544	262.4341877667
6.8431268739	5.7869210387
12.2045754169	10.2853058363
0	0.0991007252
4.6633539355	5.539305018
14.5372133724	20.6122314657
0.8431542792	0.6955657406
0.2890487718	0.1249038006

gene_expression_table

115.6897447893	99.5971066018
46.8287853658	37.1483110209
208.0476867051	175.6450698452
0	0
1.6301458831	1.0653248717
386.9338275198	416.1469666536
2.217759583	1.6340902092
2.3722459856	1.6974696489
30.4230036235	32.522803809
0	0
26.4340946621	29.1674105886
12.5645393976	16.6691820824
2.7066431242	3.1011989999
67.7847986185	72.8737399618
15.7614715049	13.4153096983
0	0
2.0715424449	0.4177391149
27.6372560841	29.2770445882
15.9410096861	19.6621251672
4.5030511021	4.3188581103
0	0
0.1384282228	0
8.1103291326	9.9518457151
20.9294554162	27.6518910611
12.5654812056	13.7401923264
3.2508733842	5.73613566
2.8102734802	2.4412067708
67.4574312707	69.5618217537
0.0160629755	0
9.0667113962	10.5701913172
5.5562852923	6.3866144398
1.2101439885	0.9983163467
89.2777473962	110.9692325395
1493.1846178417	1403.9215742798
2.593358589	1.5688995284
51.8119801114	68.1948412879
1.7345569787	1.6760480893
4.3572041034	2.1069828303
36.325836412	24.7016791017
0.3729150403	0.3525027312
191.9215023767	217.2252271079
1.7195966937	1.3607317239
1.9375572322	3.1257614645
4.4036007494	3.9326282697
17.5651900786	17.7106362817
17.715052305	23.9857643669
32.5128603927	45.6377959446
0.1280615007	0.1721625291
0.164948721	0.0831572784

gene_expression_table

71.4476103497	76.0109669329
0.3529699038	0.7117852477
0	0
0.4125311054	0.4159470139
0	0.0940102423
14.9912354849	13.5868480017
14850.3310698185	15409.8675688387
31.4600316982	32.0678373736
1.5752790893	2.3357690834
0.2531723275	0.255268687
0	0
0	0
1.1122668565	1.0519278822
1.4768773134	1.2931713457
0.1956319891	0
0	0
170.4542733405	237.5842901032
9.3530784723	5.3624556113
1.1366550708	0.4911715675
29.2770474887	22.8424486936
9.1788395982	8.3758921087
0	0
1.4312093374	1.4430602746
16.5168879864	22.7420864601
0.5224063743	0.6870418569
0	0
0	0
16.2352885133	15.8952379303
2.826716724	2.2800983785
11.1063736579	10.6893231108
10.4000964654	7.6461970308
0	0
0	0.1769806865
0	0.0433984247
2.0999678085	2.5878799351
7.1913789347	12.2120862054
1.4152757615	1.5289229602
6.714772352	5.1235256079
3.165087078	3.368589333
20.8713447963	37.3055690751
33.7803637966	40.9270286968
0	0
240.9837353688	199.619249873
70.6840743998	44.6412502334
37.7870217445	27.0386473077
42.9065104675	41.8884018541
238.6138141966	347.7348005586
69.1016125146	106.9990487082
5.9880750713	7.379360419

gene_expression_table

1.8852799841	1.4256680943
31.8936607448	37.7994627944
0	0
121.0154265337	181.6704680776
2.75584304	2.0839968218
13.4012997237	12.6114495646
3.8632525553	2.9550109452
3.8496882469	3.4157772657
9.3600393441	16.4131198188
4907.2422883737	3879.5846306444
5.3860103567	1.2068018875
9.0707680047	7.7388192402
11.6333342698	12.7646327593
1.0361310453	0.8175995919
0.0396983147	0.1200810938
44.5208364149	33.8500873722
2.0016148345	4.0363778758
0.4855973455	0.3333571195
34.9041788121	34.8817539566
4.5742576975	6.3755973118
50.3571779718	55.8942365771
1.027906166	0.8364071903
5.9442959646	4.6749431905
0	0
11.4841090465	7.7896447617
2.7346237232	1.0604874648
18.4531208394	21.0684675945
0.1712565458	0.0863373064
7.0168508514	6.7533641745
96.3447338232	114.3888175077
16.9232784447	18.8981845872
0	0
311.5241264759	330.5661162564
1.9353428811	5.8541046856
0.4077074827	0.4110834499
0	0
0.4406754484	0.1110811006
495.2788159816	314.4674581851
18.4942987001	22.3769259151
0.1319279844	0
0	0
23.5452963364	22.7266309291
0.9477917086	0.3822559083
9.5355405077	10.9108351192
0	0
19.7542043863	22.7631730618
307.4578044222	245.884203961
14.5354498413	16.1287542829
35.7161290485	49.4517089438

gene_expression_table

0	0
63.3893705517	33.9785135284
0.2338876248	0.2021351142
125.051081492	135.5327738501
415.1694250038	306.34434522
0	0
3.4502344393	5.1290053716
10.497529649	5.0402157318
1.1056712972	0.5574133301
6.5937300404	3.9889971232
1.4335034958	1.7957669881
0	0
0.607154389	0
8.0406015958	6.3699277086
2978.1969103995	3149.7114277054
0	0
5.6108820009	4.5480593816
6.4733857564	4.7864576906
0.1543283921	0.2334094315
62.8537978948	82.5060995086
5.9970471953	7.9816505223
2.2609145807	1.7097268358
6.8485416634	6.2914500866
0.0604280504	0.6702125847
0	0
0	0
0.3867305932	0
0.6000046969	1.2099459108
0	0
0	0.8881389857
2.7862432706	4.0862754687
10.3063146268	8.1325993181
112.4088041483	140.0077290591
77.1792419625	53.5696822053
11.6392431077	13.039578112
0	0
0.6533168463	0.4391510326
1.5235319989	0
1.7019531565	1.7003024107
3.0700546223	3.0954757982
0.6380497651	0.7018178735
54.488754618	58.6026042136
23.782987527	28.7759032425
1.0094048161	0.8481358812
26.8319863516	39.218053168
1.1109247159	0.8400926844
0	0
0	0
21.0260927741	14.5260605773

gene_expression_table

6.856079797	6.3537230213
1.7309363556	2.6179037133
65.3888629589	67.5000758846
3.7332405062	3.0998907916
0.6558242528	0.3306273588
0	0
0	1.2546618716
0	0
0	4.0230911157
4.8040426127	2.4219109219
46.8944988784	49.9957501775
7.762670703	6.461783029
0.2096433539	0
2.5681479689	2.3017005991
139.1603938749	110.0001512047
1.4155717526	1.2975392772
174.1070689455	286.984025828
0	1.4835983848
71.2122844366	109.9190318383
0	0.509954364
11.009943822	11.2538777581
16.3563795547	20.4639306714
2.0534521225	3.1944169919
82.1026942299	80.8301163209
16.2244313386	20.4484694608
9.8938323594	12.2559299213
21.7278635435	22.6300126529
254.4237834171	249.5022724418
80.9559791844	71.0711961783
37.8289394494	41.3883196303
1.4271614652	4.0771068396
0.2568822718	0.5180187022
1.7883802554	2.2403253527
0	0
1.2009480255	0.3027230787
3.3367980709	3.9554761389
0	0
0.4555657594	0.3674704085
17.2697222423	17.8176688837
1.1843557104	1.2309060741
1.1154143755	0.9996892576
1.2961315493	1.1531152879
4.0858881995	11.0915561328
0.3099782803	0.3750540167
0.1592841749	0.0803015531
3.4665814145	3.1457573797
1.8742334216	2.1259718554
0.1558858825	0
0.4171629471	0.4970930651

gene_expression_table

20.3984276243	20.7196846941
86.2079343707	101.8477277178
57.6893211239	56.4810095338
26.0969748274	31.39627352
2.5191170058	2.4580415
1.7061374174	1.1468432398
137.5812393052	148.3174754411
109.4267352786	166.254947355
0	0
114.0708578601	95.9557104118
2.3945743047	3.1826211561
4.4055634401	9.1706696627
2.3701515493	3.492751397
0	0
0	0
4.2468652332	6.5086868643
52.4079432102	51.0197656741
15.9719908018	15.5847529662
100.7587887478	107.3984288784
4.874770051	18.0221614146
0.8321670693	0.8989904113
4.5045282206	6.9208797913
0	2.3211997121
5.2826159875	2.8680389131
4.6156936213	4.0721740972
0	3.7393368631
139.4893393563	107.7275965345
45.1852616522	28.9127038692
31.4829815495	22.9434462148
81.2799534031	108.635347129
4.4187606073	11.1383739062
179.7910236712	246.8025636683
31.0552592843	0
6.6727674667	4.8057288741
6.0488541947	4.7920250097
3.8529857716	10.3597064107
111.2588419575	100.1608088322
0	0
38.9168468	41.3043079325
5.1015816687	6.6869720219
48.9653099905	40.8585605624
25.5814125669	19.0378646861
0.6838870497	0
0.2699275713	0.5443253407
0.6618743616	0
0	0
0	0
806.315577078	961.3709633936
69.9322165271	62.0629246425

gene_expression_table

247.0998454452	260.1700784769
21.6169333857	23.316575751
1.7872212851	0.9010100658
179.7561848183	192.229154964
1.7098530206	2.8733520491
20.2411242225	20.793798482
7.4005720711	10.514427137
0.7361124479	0.5138361197
0	0.2162936095
1.8200524969	1.651610878
29.5189401033	37.8141147414
1.9750244261	2.8965503291
20.1175579011	8.1136554576
624.5426561903	717.0467101081
0	0
38.0977532713	30.5335824359
41.3294031279	64.8225288872
13.3632345819	11.2282392129
10.1991556254	11.6249485889
0	0
0	0
253.6958804387	331.5031848834
0	0
278.5202290589	299.7055694915
5601.5267125358	7219.921348844
6.8871352528	6.0761428468
3.0026832184	1.5137732673
17.5879188515	17.7335532572
72.8576286755	90.1565793512
0	0
16.434082482	20.8928138394
1.1257218411	0.7094020187
2.6841599366	1.4762104164
16.981167875	19.7159869726
43.4436789157	36.9591259037
39.5505341754	23.0065540816
139.4709054539	272.2370784059
8.4567614266	14.6850212058
0	0
38.7769787411	42.5624519414
68.8794566286	81.5940317174
1.863918767	2.5952965811
15.8494164316	16.8491692813
18.9825512345	45.4568675534
9.3987023691	8.339343817
553.790115353	632.5279931946
8.8467069968	15.2164040056
75.4276646895	101.4029778151
3.0894810047	2.9370594361

gene_expression_table

24.9511694314	24.9390109926
1.4156983209	0
122.7919484395	88.2175088648
168.3350250321	206.2403502128
0	0
5.4497350415	0
0	0
1.0473523656	1.0560248266
2.4883050186	2.2137433191
15.1953204857	27.8566241838
130.2082277609	134.0215328696
0	0
0	8.4955909462
58.3545108578	47.630525173
89.8013028517	83.579898931
3.0913530584	9.3508517797
0	0.6258430875
81.8788829805	117.5452579057
443.1905145834	574.3506952177
3.7150890898	5.9933622196
0.3135118471	0
7.4500475367	4.590505735
0	0.3938213473
4.7403631412	5.0982560886
5.2089671936	5.2520993485
5.8905087691	5.6093240968
1.8196402648	3.0578459204
7.0429909129	9.9418332378
2.0718406158	3.6557433753
3.1874029874	4.6867856157
1.1915930196	1.6019464612
4.1636753047	7.8172486638
0.3785682866	1.7176633677
15.2058027103	24.6171155598
0.386672156	1.169621829
1.3314697545	1.4170778565
0.5304988118	0.3565943575
17.8390520704	19.0879965195
4.6363450266	3.9735253114
15.0127411498	9.9173789892
2.1015768533	0
0.7379231107	4.0921836129
15.6159693258	21.7434753695
8.6498355346	13.4786189782
10.4975156275	12.2128141144
5.1149968652	7.220291276
1.4919319342	1.4102678219
9.5262162	13.4471354598
2.9374951359	3.3515316538

gene_expression_table

262.4059479399	213.2042477136
1.5204513234	0.9198247301
1.6249997849	2.4576830669
0	0
0	1.4339435544
45.1843911089	28.1105850589
7.0364557518	9.8537780291
35.1223277148	33.7886968638
0	0
24.048198803	15.9521886126
0	0
0	3.7282900777
33.2098140621	21.0353252618
0	0
1.44146258	0.6707992697
0.2093898507	0.2111236753
76.9551589117	86.9975122547
5.475489733	5.2954888415
48.007245321	44.7924671464
25.4936873623	22.4714782079
16.6417658036	15.5517926145
1.2980160225	1.3087640702
7.0463578653	5.2175172111
0.0729707183	0
5.2765954525	5.541966244
0	0
0.2292208243	0.1540792377
64.0327460646	74.4324578072
0.7993297799	0.9280619357
0	0.4001737423
26.0821973785	23.0108965795
85.5546374806	99.1107511588
0.1137792071	0.1147213406
22.145787869	25.6687153506
21.4697308522	20.565132678
1.2634528911	2.183853846
3.3307569028	3.8558681653
73.8329413974	104.8229229841
30.8434679827	36.9598027875
0.125259199	0.106866177
0.7192610906	0.8057964841
0.0100295174	0.020225131
2.6812168535	1.982506761
0.3236218768	0.3559653648
1.4795210844	1.9393036787
5.6903097394	8.2873954032
0	0.5249882872
7.1079758624	5.0260903276
4.108446266	2.4164383278

gene_expression_table

8.1743049793	5.8821048425
28.7455808135	21.0210759683
22.8198324211	17.9333208274
0.3226475243	0
0.1079194223	0.1088130346
8.023276873	3.6879571884
5.3358367794	6.2184640523
0.1870604255	0.1886093542
20.5890234114	21.2658375262
0.7141339017	0.6000393265
0.0924477372	0.3728529531
0	0.681655666
0.6404134655	0.6457163234
0	0
111.4212775736	111.0143730843
0.1850261929	0.2798374163
956.4868370483	1081.6145880598
108.1139905518	118.8664301221
2.652310484	2.38774338
4.6057475972	3.2507194112
2.9913729426	2.2621069541
0	0
0.0650030491	0.1966238943
39.6923656702	40.588707213
7.7932391328	6.0897717541
2.0541996426	1.5534068756
20.3313513532	22.9401431441
0.1621734803	0.081758168
0.2126554043	0.6432488066
0	0
0.0772278492	0
24.584308588	36.1902984657
0	0
4.8197630063	4.4178840074
1.4647108183	1.8796134764
1.5207056578	1.2777480477
4.5369725947	5.4894484661
3.8784208761	3.9105356206
0	0
0	0
12.135842598	16.4756908712
0.2140149824	0.1618403286
55.8885049572	44.3979799425
0	0.2663113207
1.6553605798	2.1242678181
0.0885287616	0
0	0
4.7467309819	4.3637383884
4.4244980409	6.4609534198

gene_expression_table

4.4162956408	7.2865050302
7.0096118091	4.038659406
0	0
2.1412892599	2.0453872914
1.8996724167	1.2549188136
1.3348687935	1.0767375965
15.2055883296	12.3641098118
2.2794172157	2.7907826869
18.7834675201	14.8068557231
117.6487078808	120.1388296209
3.7684869301	2.431802484
7.8233704878	9.3223601061
78.4501484362	63.0795429863
6.4068140033	6.6107961881
34.7773735412	31.7507085177
2.1860965321	1.9891544836
0.1460497196	0
1.4361500105	1.5687120131
2.6830870107	3.3161790394
0.2623909708	0.7936909921
0	0.0130262563
1.5289301267	1.2332721823
11.694785388	10.5992112284
10.3637836583	10.3360169762
1.5004688062	0.3491292086
2.8363418699	3.1198121659
0.0500134212	0.1260688765
0	0
4.3456594625	6.0629712849
0.3534303253	1.3363382165
0	0
55.1956923108	34.1559690857
22.2224897489	22.6328283817
31.9721151576	42.9824746315
0	0
0	0
3.9523384691	3.6785217953
0	0
85.7249377283	79.0168620877
0	0
5.614475935	15.752252802
2.3084752504	2.0172449011
17.0416556022	15.5463127721
145.3509978938	122.5236715094
8.9656963159	11.3524772186
3.3189100019	3.1232990054
1.6615781072	4.7467869828
12.1006595483	9.9131966687
19.7268853047	21.3913806552

gene_expression_table

3.4535509775	5.2232214655
59.9150712354	38.9749612616
1.1245231581	1.0466165737
2.8167265192	3.0982364136
34.3740004257	30.8076708718
112.8950013981	206.5800316019
38.6522896838	51.4434951228
20.3410424501	6.8364912423
154.6443436722	138.2584925092
74.7559921395	57.8219171306
22.6615212253	29.3775003201
23.9362331731	22.9474945706
136.9251284645	134.6359702496
0	0
214.2294397654	179.0796904282
0.4165264466	1.0499385951
45.5195941173	72.9636873616
12.3602445662	8.3764962054
6.0981236413	7.1733880599
3.4698544022	4.3732325833
42.8310710194	32.6526235829
3.7104205389	3.1176201492
21.3472010059	36.8982233893
3.6049118677	10.2984919293
13.6106879605	10.1291683952
0	0
365.4382077452	328.6030460328
26.3325609515	27.7855160175
0.9397168388	2.8424941145
8.8511069505	10.411796915
10.530672284	7.9634025788
25.019641809	25.857483941
557.7813912378	769.330453576
121.2575940942	210.7959506141
47.9288392079	35.8545572068
4.5140298481	17.0677787532
1.771038164	0.1984114454
82.6815871858	63.1562280234
7.4388179216	9.2652173642
2.4472846718	2.4675490847
8.5425001058	2.4609243238
8.1886038083	8.7890799577
5.6639327298	3.6341659238
133.1823486202	202.7979774258
347.7607826988	508.6754652753
4.900220451	5.0556983041
38.5356906888	34.6917681362
8.7540216114	6.3046486533
6.3159774806	7.6419313031

gene_expression_table

10.5412762199	8.5028494763
5.9991092173	3.0243920187
17.6502084189	25.9530229655
17.0552302164	26.3004586997
12.270614644	22.4532878298
21.975744547	7.3859039185
2.1070208122	2.2660988967
2.3002976713	8.117707423
4.4709155702	6.3111109426
17.0951456986	20.6840397147
5.0688744802	6.7643558155
10.3811495538	11.7754979309
3.7109264218	1.9187970517
0	0
7.8323128569	6.54336717
76.7030427945	59.4909015875
8.8272805671	5.7955921645
1.4524836204	0
69.9968159644	56.6252633749
6.4078257953	3.0150796379
5.9113399089	7.1523455605
0	0
157.8575127774	170.3340785352
14.1510832058	21.7125685827
15.9352157836	17.3356256137
0	0
151.5169755606	212.6008601991
343.40718086	310.2766174392
1.4211339067	1.0348732446
1.6530706492	0.6250345047
0.1729541926	0
39.484693575	51.5593387199
5.9500293537	2.9996488873
23.0697289161	16.9169125204
0.3039137013	2.451441744
1.1911465485	1.5613125812
3.9084344513	1.8390389356
9.0695054314	9.8962155647
25.422506554	35.1060846837
27.6398551828	27.2051822696
0.790993965	1.7944732903
33.8699441511	23.509333117
10.0389387175	16.1320407822
2.8555178257	2.3219052891
1.3320586014	1.1728378749
1.2454503405	1.3282109978
0.0693157694	0
1.9399603657	2.749006629
2.6852854957	2.047149754

gene_expression_table

2.7383224332	2.5985851719
1.453583709	2.4426998569
6.69185606	11.9482854498
2.8650910626	3.6638630097
2.7997107102	2.903547435
22.5909601997	20.8418897813
0.4564126097	0.1150479683
4.2071273937	3.8563308622
0.4373227135	0.4409439056
2.4987276223	3.1977228482
0.9930179895	0.9586345614
0	0
1.7103210997	1.2172822478
6.4528299514	14.3137758396
0.1649818065	0.2217972217
0.8275199065	0.7495206768
256.9637161105	133.7246295402
49.9715803275	75.8676160084
10.5098480158	7.0645822694
3.5130272849	2.0835979039
3.7806089692	4.2603742417
49.9162926474	52.0519241342
2.5155501427	2.4457948251
56.2442144806	47.8245092205
6.4180391708	11.1572118695
3.2441353483	3.8551047579
3589.261573419	3045.9245865641
463.8102974104	378.9584202166
245.3662117087	277.2563050657
882.4640079231	680.4132192836
120.0203952327	94.1221618052
28.8268282395	33.8676551342
37.5965629656	29.0462948028
0	0
3.9822823388	2.903339745
6.1291328523	5.9703967118
10.3980918776	9.96857589
1.0624529582	1.9282508237
27.7395355962	15.6900553511
0	0
0	0
8.9219706683	11.0948790164
5.8195820517	5.4486438697
49.1528765024	58.8523578691
4.7596955673	3.5993306916
1.1018151162	1.5553139681
0.3536347395	0.3565629645
0	0
1.6305220384	0

gene_expression_table

6.6843655049	7.5484802377
0	0.1661241875
0	0
8.6020593695	10.6006848073
14.1170011737	20.2964800651
1.8889911651	2.1767230896
36.4384853573	41.8838386628
18.9009984932	16.1700048185
0.0661996122	0.1334955384
0.3825423607	0.3857099515
13.8173432734	14.7761047776
0.3337184879	1.2337665967
56.9500007053	62.0152929605
4.1372550789	4.3299249539
1.1709075339	1.7709046154
31.7202321481	36.8869299969
0.0846812135	0
1.764899456	2.1901704239
94.3876241197	77.8272472353
17.1667722801	11.3874469987
0	0
1.6946281038	1.4140636508
44.4354167882	71.6853732856
9.677965597	12.9482516523
0	0
40.1600866183	50.202593474
21.513853606	27.1149952355
0	0
247.9019828083	325.9213270699
12.9713209154	17.4383042671
2.4810306254	4.1692907784
0	0.2742239244
5.5244953543	8.7993649504
0.8934893034	0.4504438609
31.7882405593	22.0353779431
17.0969373296	15.2104466723
0	0
8.7886206011	8.8613935965
1.3743036332	6.2355751664
0	0
77.5756146711	110.880417813
2.3500592128	5.9237964081
0	0
1.0374758372	0.348688839
185.9876119018	171.4538581977
108.2693817864	101.4826619683
0.700926641	1.1778842836
17.7446470822	17.3945909423
0	0

gene_expression_table

0	0
0	0
3.2006921389	2.1514633609
4.6320555682	0
9.9297355889	12.9186547536
0	0
4.3494108302	4.6122578996
0.4581923501	0
67.9625174881	54.4688059556
15.7226790587	6.3411474385
27.4246126709	32.2603149188
1.5485866249	1.5614094889
3.5954784334	3.8841967616
3.0308108095	2.1530254092
42.8555643565	35.3785347445
5.0709753503	2.7068637612
393.8155960753	357.061068754
13.8169219082	21.1216955067
72.1459180532	64.6607223659
3.8615996454	3.8935751039
8.2236257782	7.0160711159
47.4393999804	52.8671856367
206.1498867147	207.856883232
2.7229345336	0
0.9131509569	0.6905341358
0.8693409439	2.1913485127
150.9328700264	194.7042720711
1.5318317856	1.5445159134
13.0042576353	10.5298945422
44.9406405982	49.8440421067
8.0582856141	5.9090990317
2.5761953522	3.8198929304
11.6810498017	9.5343878039
2.7669996582	4.7307193781
0.3185348635	0.1284689795
1.8926725445	1.6357239137
0	0.280606157
0	0
0.214449857	0.1922005158
74.8371318936	84.2821687187
0	5.5736172486
6.6363262712	10.6741807446
0.7084530382	0.3809702873
52.2655921553	41.2237252234
206.9836962342	226.3340136473
3.6629569662	4.2209001035
63.9738341256	103.2056974207
5.3784634015	2.7114995235
14.3733092044	12.2040635499

gene_expression_table

7.3231386796	7.6624100407
1.4942524065	1.1299690225
25.0071450282	30.2570560107
53.9985012406	46.0353282433
2.3741807848	2.2320939335
4.0299485551	3.947223204
0	0.4198843107
5.3963721564	10.5957408128
220.1452527263	300.5107071955
9.7729184042	8.7589704406
1.2668922198	2.4270268471
8.6727848937	15.5216627405
3.8606933794	1.9463306668
1.7815873973	2.9190518387
2.2770196392	0.9453599628
11.8612980998	14.9763283292
0	0.0718586978
0	0.2321756711
0.7593767405	0.8167089683
0.0134323873	0.0135436124
18.2689588504	22.1042790199
0	0.3961053821
0	0
0	0
0.7217083747	0.873221261
5.8242282236	3.7699710887
8.1215129279	8.7005596543
3.9042234426	2.1869732454
23.6776638227	21.6305548904
0	0.1638439964
10.3489074024	11.0484001521
1.495312968	1.6236712226
4.4529350899	0.8979614045
0	0
23.9303618924	18.0963855359
0.100635259	0.2029371115
0.1319728399	0
1.7121493516	1.3052713127
94.4074659579	126.3087386317
1.3444588608	0
0	0
5.5875667492	5.3067080108
7.5929996325	6.7626873296
2.7479981931	4.5519507394
0	0.0938203287
1.9608925917	0.7284161316
2.056705807	2.3847964964
1.1719204297	0
0.2506047909	1.0107195612

gene_expression_table

3.0064311224	2.3669253689
7.1645505081	13.9126493205
0	0.8741636019
3.1687644861	1.2780012064
98.3658034036	77.0283612373
4.3544300029	5.4881078464
56.5266697042	66.8815723492
91.9467325419	105.2685353869
0.723741498	0.5675711553
0.6596751915	0.6651375435
30.4190229772	31.9488579391
0	0
2.9118722861	2.3487869235
0	0
0.3723768994	0.3337425035
0	0
0.8616524522	0.532482508
5.7121322754	6.8741593675
3.8946866322	6.3267303238
21.0388979463	40.9109934638
0.7266389809	0.4884372117
34.3168255688	34.6009814452
0	0
0	0.1105754268
0.7940605848	0.2668785657
2.2029077931	1.6767494906
3.7351433933	2.5318129396
0	0
31.0546962555	37.6268335506
287.8822535651	264.0851669294
4.7254678742	9.1888646358
0.284665533	0.2870226678
0.4391461423	1.7711297323
0	0
5.7409689235	7.1667220207
6.2428384778	8.560562793
0	0.1732828034
38.0763605106	27.6923353335
0	0
0.1638207782	0.4955318227
0.2368061312	0.2387669726
1.419237816	1.0221354461
113.7250326459	105.0466554145
24.3204657267	22.402676028
8.06332368	9.0737622226
25.7968697692	29.904261319
0.6924199599	0.6981534506
0.8749616051	0.8020060068
49.3846999661	57.4936682068

gene_expression_table

15.7265766173	13.4582911027
23.1712433626	32.7083536343
620.8997374189	841.4865506719
16.703778525	7.9256903177
10.2345138393	5.8967196342
4.8248422385	5.7914210693
0	0
6.6935626214	6.7489877699
3.2713390095	1.872080129
48.5143384386	64.6061102693
1.5273501106	1.0043459534
1.9070048952	2.4034944922
0	0
12.8343068614	12.3523714553
0.1185749752	0
1.0337450071	0.9969871944
0	0
1.8045649945	1.0917044719
0	0.0696206809
4.2071646565	5.6560020264
13.2936905187	13.4037671419
25.1470370348	33.6345334873
12.4411755208	9.2430895848
37.6999022499	45.0296843914
13.5489182538	11.0589923979
4.4490481784	4.7351039216
116.6025548102	100.6213182981
282.5121871969	338.9968163453
7.5903917724	5.9077665221
196.3417619387	190.7121885921
0.7646274995	0
1.8002485957	1.701708106
0	0
0.776334956	0.7827632936
0	0
1.068142676	1.0769872883
3.7705430554	4.5048305756
1.4473718128	0
7.8105328969	11.4014190434
2184.4167757961	2222.2537330367
6.7014817628	4.3244623902
6.9337276387	12.9541738474
34.0587016573	28.6897155877
7.2451687881	5.935443668
24.2041882419	24.4046077798
1.0214023543	2.0597198793
1.6552091624	3.3378298002
12.4155628136	16.0118663254
1.746770007	1.6878491561

gene_expression_table

0.3208018724	0.1078194098
0	0.7822827759
43.2562086728	39.1608042532
11.1474251138	11.239729874
6.1299365512	7.0047872921
13.0828539112	12.2917857714
5.648441862	7.5936173707
1.5085203567	1.5210114574
0.9087550916	1.3744198745
0.4305004194	0.0667792493
0	0
348.5678133054	453.6775689485
1.2007368874	1.1825240927
22.6483208216	27.8486063509
42.9369838414	61.8464539764
10.75353942	8.825357981
10.7450404042	13.1148581709
2.0101058413	1.705043864
25.0778443019	37.9282470475
2.1127011128	2.7204900656
0	0
58.9301968433	78.4278166685
4.4524249442	5.3206431436
2.0186680707	3.0530750718
1.5481702262	2.3414844635
21.3208057874	17.8712908501
7.2016758351	9.74544015
2.4126906936	3.405736118
0	0
38.1557024343	37.624252541
0	0.7659744663
1.5647900724	2.6295785115
1.1071684645	2.2326724492
1.4862274319	1.6138057805
30.2877155355	30.2881932593
0.063501804	0.1280552445
0	0.4366544174
270.200044754	516.8297735741
1.2546622513	3.795153942
2.1001418509	1.5940969686
0	1.9632466959
30.7642358927	41.623752813
16.0510945756	10.2630266185
6.6084120369	7.3294453182
6.8117658341	13.736339497
1.3214149217	1.6957267358
8.5360290751	8.2925969975
102.2235618107	77.2372735551
0.5511778904	0.5557418451

gene_expression_table

0	0
0.1205284712	0
0	0.2444654264
0	0.9242879352
2.0518317492	1.0344108335
2.155371943	2.3905411327
26.8630407681	21.066481783
1027.4994900212	1416.0813419852
5.9618380236	8.2654058088
5.6838837616	5.2099530905
0	10.3777627456
9.3278980499	9.40513646
3.1638157259	1.8468497926
15.4867918834	13.3016906792
9.6442966018	13.8712209713
0.7894242607	0.7959609826
5.131942813	7.9606725813
7.5505598217	5.4214366268
6.3804476564	8.7564090228
3.8185593959	2.7806844472
3.0819511331	3.6724655104
19.2026243964	29.922517785
0	0
0	0
4.5426586106	4.9326022163
83.6943046614	85.4421656897
15.6812848061	34.2574517653
2.6988961272	0.907081325
5.0066478881	10.0962095303
0	0
236.648971151	400.9606941635
0	0
1.0576129815	1.0663704041
0.1779192569	0.2690887401
0	0
0	0
102.3412882983	147.1394591683
62.9190508175	67.8919764714
760.0962088895	825.4730196795
2.8969283378	4.3813739471
177.8371561735	114.5964330684
5.9544246281	4.2883781739
5.8727509907	5.3292415666
28.9281392325	26.3080988516
2.2681397406	3.3467133188
8.2471210234	9.978492245
60.6747350563	54.2350568004
83.1167968868	82.8941101008
7.9771273502	6.3932976261

gene_expression_table

9.2245314894	10.4635282348
19.4471236365	58.8244588147
0	0
0.1385481404	0
32.3606733781	42.9324099979
0	0.0551338666
0.825442529	0.4623763862
270.4827767013	339.7069401708
5.4240650695	16.4069349409
0	3.721359282
0	0
3.7374068089	3.0831986498
522.1860433113	548.4478488345
105.3227756946	116.6061502422
0	0
0	0
0.8108788214	0
2.8159333573	0
22.9076426032	20.2101604851
63.6360133142	63.4500212099
30.0170482701	23.9602669965
69.4156806989	46.6603119618
619.7465180915	630.6374926097
258.4530646084	257.1185752416
35.0363797442	23.5509958617
0	0
0.9118855038	1.8388724992
319.2253351518	410.0372745191
60.1320634079	90.9449683537
4.2063450258	2.9688225716
13.4830441252	12.4294296372
3.7680923242	3.7992935078
0	0
73.1379577164	80.550665248
566.8147997655	416.0981000283
2.0029378248	0.4039045766
0	0
0.9748806419	2.9488590314
3.6769506323	2.3171232058
4.8589674689	4.6659061886
44.9340025406	37.6270771846
0	0
91.9973436174	103.2601472158
1.7311019457	2.9090601723
532.7260873781	654.1465705029
13.1603315915	13.2693039541
0	0
71.8759897206	83.9139622589
2.8918357967	0

gene_expression_table

19.4613657979	15.9432918368
0	0
322.0081134102	314.0872478494
2.4054081451	4.5474858843
0.330291709	0.6660532905
0	0
3.0758144716	3.9470878888
53.2133556501	58.8983558645
15.5332151204	17.4020398079
45.4540101721	35.8762750241
0.7598845283	0.7661766504
52.1840943018	108.7401419198
3.2226827893	6.4987355647
0	0
0.7642215385	1.1558243589
1.0578072885	6.3993979202
12.2841323057	12.3858494175
28.5701896983	18.1937439956
70.7286028063	66.2203857024
93.2533945718	127.3894776157
443.4092345405	394.2002975761
0.9894986159	1.9953840532
12.2001237561	23.7822141429
369.8827051244	297.961724156
2.9035023052	0.7318860918
0	0.6555239928
1452.4694300598	1548.5580973112
6.8667872804	6.2942243568
0.4762471665	0.2585642055
0	0
0.4280967977	0.2589849575
4.5107534229	5.0831751843
0.2329364316	0.1826729571
0.4776102865	0.8026084574
0	0
0	0
0	0.2948958895
2.2595232149	1.9354898923
0	0
2.252071138	1.9301112446
18.7619200031	27.3974335813
3.7148760228	1.6647273582
1.4958030425	1.2065510714
0.0178453609	0.0359862539
0.0464653471	0
1.1492879028	1.738206641
2.2466301675	2.3596177996
0.0854533164	0.0287203004
9.5768488692	12.7285596278

gene_expression_table

0.7854453421	1.2087644417
0	0
0.212369108	0
2.2018164129	4.2286633499
30.6734191248	48.1701194882
0.1196617564	0.3619577986
18.169199421	22.8368202858
18.7549514798	19.1623860007
1.5114924941	1.6795192465
0.8554811927	0.6900519121
46.2081866187	36.5314284646
3351.9930599439	3846.4335386626
4.2923455941	7.5738036268
2.8680958571	0.6940427378
0	0
1.7023120914	1.7700456042
2.8747786803	2.434809636
37.7161851948	55.4129411334
16.1817164086	11.7089191005
20.0886693664	18.0788527056
3.3793573492	4.8489064463
14.8950473049	17.5214477065
1.0694115731	1.0108750241
1.3278905898	1.8744404139
7.8506204954	8.8202695359
1.2947256738	0.8552925189
0.2610229881	0.7895530619
3.5819615972	3.3708467803
2.7691446287	1.3960370799
4.0065127988	9.2335730085
0.0805017347	0.0811683186
26.1691314505	21.7683026858
16.7208486228	16.2571853921
17.9645712053	23.0533220022
2.1904679746	11.0430292561
2.8065537759	3.9874356874
7.2100118291	14.0850696468
4.3540336356	3.5771076226
1.268133929	1.2786345421
3.6240475041	10.7185641021
4.0778662432	2.7410883122
0	0.1642844746
3.8057454105	3.8372583755
0	0
4.3764521338	2.5547157028
1.5412905748	0.310810605
0	0.1891168674
1.0756424401	1.0845491532
0.98860664	3.9871706593

gene_expression_table

1.5239928722	1.536612091
0	0
0	0.1970510329
0.1420588471	0
1.4902970691	1.186292585
0.2602527105	0.1686906631
0	0
4.8465025853	0
332.6962576723	281.3756531944
0.7884124981	0.3974704211
1.8463674358	2.792484051
35.6264233055	32.4339063218
0.7998395598	0.8064625241
80.5712633813	52.9568224259
0.2126711141	0.4288642175
1780.9821731809	1254.3972226694
34.4539931128	32.9577830028
0.4402956854	0.4097921491
38.1487372345	43.1938796366
0.7641201156	2.3113419296
0.5617762778	0.8685229196
0	0
47.7565169211	45.1424609636
9.642950573	6.4818651555
2.5059388367	1.010675571
46.2208325374	50.310659149
19.811657627	19.9757054036
0.5878347132	0.3951347999
0.9604879592	1.4526617266
47.5999002014	45.0556338917
43.6138031589	54.0263565926
4.4876423003	1.508267207
10.1886240435	8.1102549314
4.6209029465	4.6591657142
14.9938673732	20.5983050882
20.8353661117	20.5877327579
4.5507111488	4.8751672467
7.1410639062	1.963689417
692.2334417154	496.2719678829
1.6069341533	4.8607204688
0.7401047717	1.1193496651
20.6930889567	20.8644353073
1.2205912284	1.3479075201
24.4966080599	31.3493005788
13.1495972265	15.7839056006
17.4111361068	13.1664800149
0.9961108231	1.2554487316
0.4018456917	0
0.2693509109	0.162948741

gene_expression_table

104.7345680754	125.0547733825
0	0
17.2821022421	19.3950100861
2.5751673819	2.6686154523
5.4283265914	10.946550245
19.2260786117	22.8062089174
7.8558789115	10.0811816818
1.3822218392	1.393667142
0.7058532636	2.135093961
1.4758243967	0.934797351
3.1648788975	4.8275392292
0	0
12.6278062159	14.2679311727
8.4815937059	6.7274351996
0.943566875	0.9513799541
5.0629290976	3.3112553537
3.3406701893	2.747849921
15.5152760808	17.8785694236
6.2603112384	10.0251776756
0	0.3950272509
0.4683478985	0.8007310274
3.8813092738	5.0315759167
34.5027420003	21.742773333
2.3172916982	1.7028581022
140.0152838782	188.7528625741
6.8442430493	8.4011149928
11.6886416901	13.6892278166
0	0
3.1545974442	3.6896336522
5.2389855062	0
2.9068266964	3.7682952241
0.0984364273	0
2.131770286	2.6867776553
56.1057182918	67.8294303944
33.9321286082	32.8684794395
78.0403699423	43.71476265
0.0299369044	0.0452771894
0	0
0.015102416	0
1213.0793455883	1337.6036808934
82.3738071375	20.0479740303
4.8876443729	0
45.5697992567	7.9908058911
0.4315833121	0.5439462249
55.5958486064	56.0562025821
11.0445898061	7.0865728515
3.0564664751	3.8256518933
2.5808748701	2.0239686901
1.893754546	1.2729570179

gene_expression_table

5.519459179	12.4145928705
0	0.7813351925
0.5640142111	0.3791229701
13.6564220243	12.7859663259
5.6809522164	2.86399629
2.8252514221	1.9721392186
4.1898159448	2.957156408
0	1.5106220348
1.8570519299	2.4133529328
1.3764391755	1.3878365957
20.2648140807	30.4184782212
0.4128527944	1.2488141001
84.2613823336	79.7308452718
6.7037055116	3.3796073235
0	2.3632487197
0	0
114.8506628396	9.1422369762
38.4912205324	3.2341618272
79.6270063052	6.175872851
3.1705094005	0
0	0
59.0108687535	53.5495503114
6.3647560017	4.3755398939
78.6286331323	62.6565426246
9.7324575837	9.9421649197
8.9424263366	9.6605066784
2.6077865834	3.155256013
6.8773782068	7.1493432579
0.8945137465	1.3709193846
1.5807066868	1.5141057409
6.0021158676	5.3535291704
2.4465666373	2.7604947598
4.4386755575	10.3279140365
0	0
0.1432036281	0.2887788131
4.1176456374	5.3379530363
0	0
18.2426531119	15.2911556388
7.1812468777	5.1873744934
0.8657461952	0.6235106361
0.0746272951	0.1504904728
167.4562613559	156.2694559878
3.911148437	6.1343864985
13.3322909359	12.7225432284
78.5769471312	71.6304265609
0	0.7292658099
14.4953300693	19.6551348829
9.0711257141	14.7356055945
6.0078970925	6.5236173471

gene_expression_table

0	0
1764.4644954647	1584.6829812569
60.1141090431	48.3105726484
0	0
0.2606832183	0.1314208854
0	1.252766612
0.2374482461	0
1187.7976446308	1385.7019188275
0.5757030988	0.6578661487
15.9264178409	12.22900882
2.9310660745	3.6120777909
0	0
26.3235745462	27.8258116064
0	0
6.1146740978	1.7125849548
69.7389180148	95.6302792234
0	0
0.0540755966	0
1.5579097805	0
32.3463206253	36.0472294731
0	0
0	0
106.1579414647	144.854445756
0	0
51.0314630687	58.6412507678
31.9919662999	28.2247625543
51.283881072	49.8213577367
18.7563065753	20.9118826998
0.3087705835	0
7.5486223229	6.8052435715
23.4428772373	29.6400386424
1.3065850223	1.6766960312
194.8560819238	171.2204613172
2.8170486824	0.811535679
0	0
0.4914343693	0.9910072516
38.6092829637	33.7384510307
0	0
0	0
175.0937568853	201.0277458083
3.350779882	2.7028204527
0	0
26.8529602875	17.7389979283
2.2183182706	0
1287.7849726578	1568.6093215928
10.7128943554	9.9014676216
28.6100870785	26.125575008
0	0
8.2288808522	17.1126016826

gene_expression_table

0	0
8.8505836499	8.923869722
24.7944229578	32.4814008338
0.3206440604	0.3232991106
70.1640996321	72.3289292241
0.7685228455	1.6789207412
22.1283160439	21.5918192905
0	0
44.4874181532	38.5479447537
0	0
63.5717238243	59.2714552308
0	0
4.1332699722	0
7.4005720711	12.791745457
2.3094948141	2.0281514021
15.3398749697	13.5632769338
2.9101448845	3.0886757362
0	0
27.0407188977	38.1704763268
19.4934120604	16.081220166
84.8322230087	111.7469008729
25.3021511922	34.9604260672
0	5.256537921
4.6184318754	2.9104213636
41.9696114708	63.9677625351
0	0
6.3152847113	5.0940620642
9.4932317746	0
0.8623101799	0
1.9268367335	1.036155545
52.2997768034	58.3827850372
0.3315469925	0.3342923229
155.892917093	303.8886171796
24.5082020681	26.5083126937
0	0
68.8596783177	76.5368553713
0	1.8984043427
2.4647453216	0.8283847717
0	0
29.2559078267	31.1600254772
0	0
0.9255920057	0.9332562463
8.7349542157	7.9265545504
1022.9318654598	1045.4958092274
1.4887252932	0
365.0867058481	350.3338335033
5.105992747	7.0788743242
6.844528215	5.7744763259
6.3078278322	5.6533857382

gene_expression_table

18.7283993955	10.7905585129
2.3626729935	2.1916578474
3.7166078997	7.1824836492
33.079637832	15.7753273911
0.8923814432	0
0.5332140277	0
0.8049498198	0.6492920792
11.8914110705	7.9932508711
29.6740840419	20.7678586215
9.1795935592	9.2556039538
2.2100399045	0.9903732639
1.9587633893	3.1035441912
2.0617015056	2.0787731487
27.7273527303	19.4483098155
171.9120652714	115.0834456371
60.3912377121	62.291099248
0	0
142.6789666926	157.139822369
106.2375602235	108.5647764602
8.1070755721	11.9888341836
2.6575545443	3.2154720824
6.0305263905	6.0804613563
0.5564823922	1.4027256753
15.3711097284	12.2108512643
1.9560761929	3.0241522703
1.0096703325	0
0	0
0.9286524309	2.8090260387
13.5366916288	15.0607231891
2.9020388464	4.3891031854
0	0
13.2468826523	10.5844530368
0	0
0.6698311247	0.4502517144
3.8087724064	2.9186359314
10.978202688	13.0153227036
1.1022580782	3.0563092409
1.9884804252	0
68.5863676205	58.2351897672
0	1.1767143975
5.3988467166	5.4435511435
0	0
0.4269191467	0.6456812902
5.3127059481	6.6958713724
0.8149677201	0.7190014572
0.694657874	0.592654527
1.3754424483	1.7335395191
1.6495946669	1.6632539145
2.710993146	1.2713679821

gene_expression_table

1.641495818	0.1324070403
2.9774999374	5.5424394955
0.9140984668	0
49.3277704914	50.3627109429
0	0.1031965244
5.929603575	4.4286687874
0	0
7.5551208429	6.7262493695
0	0
0.5887563983	0.5936315168
12.969866398	10.4733821091
115.1494946363	119.3662238851
5.4380780161	2.9028215078
0	0.901237364
4.7794508063	3.6142698063
25.7597179732	25.9730178666
0.9458920768	0.9537244094
36.2512555817	42.9081995504
2.2242558222	2.2426734746
74.6881777808	66.3593016584
33.1781031264	29.6893865932
33.0949194841	27.6611095322
10.4285277745	12.7285387072
8.1553046336	13.0817806333
0	0
0	0
0	0
0	0
0.104640697	0
13.44537351	15.0818355629
889.9535641643	953.7580956955
11.9649496456	13.4668172741
26.5491194717	21.2577002723
0	0
0	0.098840884
0	0
0	0
0.4429298462	1.3397924025
0	0
44.085260755	32.1690248791
100.7508347345	116.5555226212
11.1114996961	7.1761025105
45.3295261138	71.363746231
4.599099756	2.911718921
4.6939643103	5.5933469716
0	0
0	0
7.6896762221	9.6916869448
0.5004037086	0

gene_expression_table

3.4615794332	6.2824366403
0	0
6.3259848699	10.406808239
0	0
0.6560297466	0.6614619131
0	1.7277739524
9.8784988685	8.4279431542
115.4766677843	136.019692594
33.458470148	55.5230409096
27.1636952693	29.8784952094
2.4833746816	1.9077622346
34.4769165946	34.7623980833
0	0
5.2557234791	9.9360802372
0.1012564643	0.1020949049
5.8671654939	5.5213645869
55.5773260016	41.6517735052
2.0005716023	5.0428426684
1.4875573307	1.7559510438
1.8971865796	3.8257919578
180.8754986647	211.6345878857
841.2914034454	972.4601818175
2.078747333	1.1877107357
7.851754068	7.606307918
0	0.010959535
23.4797048968	26.7092697356
0.3533056221	0.2078014878
0	0.0965847083
2.7435087641	4.74210175
0	0
3.5929391531	3.4616815597
0	0.0142959316
27.3883750749	30.6835120503
0.9578286872	1.2416912477
6.0065093647	4.4194223633
28.6340420531	22.6527425
22.6758295299	15.7504756588
1.2052847124	2.2279856702
10.8280287861	11.3993515702
0.8592718586	0.5279545441
48.5528515926	84.3690605316
0.3059940408	1.0489944639
24.8114942024	26.4067725924
617.1464614386	475.9495788604
13.4701449248	13.5816826552
1.387272927	0.9325067031
6.90754878	5.7356730218
0	0.1929126534
0.519643057	0

gene_expression_table

0.2070797393	0
275.4932098103	251.4762269045
3.2952363502	3.2350873209
0	0
37.4736504746	24.3767393656
0	0
11.7067296032	12.3591322261
0	0.025268099
1.2854292797	1.7559700128
15.3138956241	15.4407002851
26.083725304	23.2389662061
176.8709895973	109.6597457568
0.311201629	0.3137784924
3.3702646649	0.6630578907
5.3774587385	6.5063832781
58.3454481911	51.6158716377
13.4249957944	25.3802993876
1.5141223927	1.6138975878
8.2541951921	9.8830197526
3.210899815	3.6421731458
0.4645135193	0.9367197225
2.6053386093	3.0904844313
2.1599386175	1.3729758108
2.7852385213	1.1233205263
1.3165558219	1.1877250296
1.4808309815	2.1957247118
2.2707585019	2.1596570311
0	0
1159.006475392	1296.7728864222
0.8094669579	0.7533873605
0.8271158123	1.0192901082
2.2866501471	1.835057009
0	0.1254878838
4.1739576617	4.6515216177
2.8370799114	2.5661013273
16.5247135776	9.7338495381
0.1373293431	0.1132907567
0	0
34.9306326597	28.8644056248
33.0369279512	41.0571104131
1.5539783194	0.7834229143
42.0975173942	65.3016926874
1.4710761827	2.373211571
16.375899813	19.9768744349
3.9260700631	5.8740209862
20.266016151	32.4122760136
89.7683943555	99.3114590544
85.4860692467	95.7710279887
3.1924840983	0

gene_expression_table

21.2708969889	9.7486490007
1.5957996317	5.1488429977
2.009693081	1.0131670377
1.8878990837	2.8552973687
3.3534944289	1.9058025509
0.2304164027	0.2323243349
3.2846227458	3.9139698288
182.199809883	241.8608190835
4.4266876509	3.9054244643
1.3915816469	0.6289778579
1.2842483787	0.4661576731
7.8765612164	7.2086944546
0.0637147276	0.0642423088
0	0.7023981222
0.0113316048	0
0	0
2.6237901346	1.3888959406
12.6334508043	16.9840805347
2.1952188044	1.6328331292
49.552071246	55.2447467568
4.0592227719	2.7772806365
51.9113432536	61.4440035114
178.9994470559	222.7658951255
11.4754047552	10.1100803652
0.1193838656	0.3310241213
0.7126092336	1.1975164982
10.5373259399	8.7273326314
1.429720937	2.2424259662
0	0
0	0
0	0
0.1241246297	0.0417174757
3.0542895364	2.7677239518
0	0.8371046114
4.8371064965	5.6274917409
13.5652527437	9.5047575943
3.4421265447	5.2059429186
2.9545668867	3.5206739242
0.6086091122	1.6363963158
0	0
983.1930459107	1071.5362620756
0.5940125734	0.119786243
0	0.1960660772
13.885451742	8.5716908356
6.5431325557	7.8539429622
4.4715232085	5.6356863216
7.7983849268	6.8800886074
0	0.5645002411
0	0

gene_expression_table

3.0216324388	4.7223116251
23.3351656047	18.5750441977
59.1054219571	67.1491115321
11.7164220545	9.8445319313
4.7297442964	5.502586512
0.6117669948	0.6168326494
12.023558763	14.3273215451
11.091286119	10.5440902547
36.8307139941	45.9132115183
7.0793241014	7.1379434961
48.9258017143	56.4803347184
3.0521867426	1.8464759796
1.984026558	2.2862343132
66.1418158679	43.3481713032
75.2246205499	100.9309357652
134.9506963157	161.5334034283
5.1288821156	7.8527924671
12.7843730259	12.7330343589
145.5000559535	175.0595685172
43.1965474254	40.1157387556
17.6344412597	15.728869247
36.0041707451	46.9015096855
3.495720015	3.1330363166
2.6300910662	0.7576769094
34.3551642102	45.9505395999
1.0336885227	0.8106372104
1.4648259989	0.8861731766
0.7133214073	0.5753823757
0	0
0	3.6591997982
5.2026489764	4.3950700876
1.1044479749	0
42.0150335645	19.183215134
2198.1643233384	2218.0236442388
5.4721130201	4.5271172257
15.469577451	11.6152870747
50.339418953	45.9791891538
0	0
15.2336971219	21.2943204615
32.9874369214	23.3723029541
1.4063126941	0.202565354
7.2866210563	6.2755257244
3.2331184303	5.1614922376
6.7816785292	4.5585555398
13.1351822259	15.6519365866
0	0.8638869762
95.3515606619	94.5387547102
2.7265097845	1.4995016092
0.1176037639	0.2371551322

gene_expression_table

154.0033059767	125.7470140053
0.3079366264	0
5.4438910574	6.1583548665
12.9676690795	20.2068894673
4.882808541	4.1026999858
0	0.3327403267
6.9737091672	7.4115326279
0	0
0.3324467389	0.3351995196
0	0
1.0789034024	0.7770265125
23.9077472892	12.8840875485
30.1974391852	33.347245514
794.9959127695	911.8396050754
1.1131509931	1.2087043131
0	0
0.6274922816	0.8586482
3.3885961038	3.3901692228
0.6882401544	0.9541661728
26.8552384156	27.3751657689
19.7915101551	20.3799738928
0.2843421933	0.8600899521
116.8864989384	141.6900755818
14.0323413771	33.6027689622
2.0380142724	3.3391958869
50.3290653086	31.4624012023
0	0
2.2509363469	2.0173999322
0.0374519955	0.1510484468
1.4354769975	1.4473632725
2.7971667823	4.3389666878
9.4617030337	7.375500375
0	0
7.6336030113	11.2245175559
5.4270146409	6.3137911252
0.0441404337	0.0111264832
55.5708482797	38.7123239864
2.101330318	4.2374602043
72.6719860414	93.6790810786
2.1132442092	1.8503817704
0.179977027	0.0907336513
28.2283628271	18.9747360023
192.88351492	165.8662994261
0.4218982246	0
0.173302985	0
3.1716354303	2.6088113082
4.0105494619	2.7800838171
0.2731661122	0.5921702593
1.9392539816	4.8882792859

gene_expression_table

5.5542217015	4.2001595176
0.2099134144	0.2116515743
0	0.2380302792
1.2068004761	1.042965622
25.5516793105	17.7122388903
865.9637204826	928.6176622799
38.556420583	48.2792391214
0.8901280708	0
1.6496604983	4.9899608732
8.85141904	6.222734993
9453.5919592685	7382.9403755254
0	0
11.0379009275	10.6655780045
5.4514323764	4.1224291738
4.4729223687	2.0044265792
0	0.4479413951
53.9105343755	94.218684443
28.7443104378	33.0076466061
33.7320839036	48.8913844885
13.610705776	15.9574504671
80.3327914687	101.9457288991
19.0151129789	22.4781797423
0	0
28.4354155707	30.7946394581
40.6248209008	52.132448184
549.7562994242	615.3089378516
234.1775381495	327.4150379127
116.6260728729	188.7657512125
165.4495710144	204.9497377966
23.549770576	19.3271394271
65.469698921	57.6441175136
183.5276042001	182.5881798723
0	0
0	0
1.1131261617	1.6835148806
68.0894639463	97.4876428746
4.4007478252	5.1767188993
9.0351433053	13.6649363984
329.5515065577	386.5953649254
23.7857787609	7.494604286
35.5410189587	43.5834870864
64.4566555152	99.311142801
148.2234582114	188.4126851139
1.4467094001	1.406592659
91.8607515432	92.621392189
20.0836407347	19.9124416205
7.626019962	10.2522215981
2.7391270558	5.5236160608
2.6095630731	4.3055528899

gene_expression_table

17.4558727604	16.8963972251
13.3468313144	8.6127026963
7.5285499224	8.0012073996
24.0650379739	20.675922119
1.5204075231	1.2542703169
14.760582308	15.9092056999
0	0
0.481965068	0.1822334682
0	0
5.3011673264	5.2392201018
20.8880619327	10.1544216739
8.0232128145	11.4515795702
4.1805957287	3.1343888501
0.0317444249	0
0.108021333	0.3267473676
38.9520765058	32.6178997266
76.063504339	99.3361330232
8.0222236204	10.8305660152
0.888378586	0.6398104899
1.1861301245	2.2210531869
3.8277972773	7.2043866344
2.7411658211	3.4256338537
3.4341708968	2.4238249622
0.9563995883	0.9643189269
123.6223473509	127.9610384449
70.4930573904	75.3844484777
1.7340066041	0.7492992058
0.012004147	0.0242070915
18.6308365717	10.1150574634
0.918184504	1.266866979
0	0
0	0
7.5001889769	7.3683883308
0.1357913807	0.2281929718
18.8799056443	24.5274607236
3.1251080577	2.5674693377
2.7233370131	2.4884603115
17.6657214902	16.977062624
4.7921524599	5.5947542736
5.3633633723	4.7693562221
0	0
41.8724187844	46.7561197041
0	0.1703739062
7.7071176681	9.0660913273
0.117066946	0.0885272274
69.6185841955	39.8404346661
2.727987557	4.8135085118
23.1660844172	36.0345617043
0.4947067982	0.4988031516

gene_expression_table

75.8747342188	83.8389093588
2.4999079208	0.8402026911
0.4730431805	1.9078406047
0.1360560012	0.3292382273
6.8745948733	5.5452152281
1.4027640568	4.5260142614
2.8533750884	2.5834304379
15.3800306829	15.0684947692
0.9901219215	0.4774576273
0.2911484094	0.2268412191
4.0966073461	5.2320030888
29.0084465476	19.9074561432
0.6578554721	0.6633027562
0	0
2.8768336136	2.9722759563
1.8465570193	2.5903960867
192.7861579022	184.0498733829
2.0292577558	1.8306859366
3.2732741926	2.7651816522
0.1739890327	0.1754297256
0	0
1.4347227987	2.0665754694
0	0
0.6402108779	1.0604840957
1.1187245677	0.6941464718
9.8752405735	4.2125816531
6.5016812154	6.760377438
1.5032268257	0.8660994823
0.0899885135	0
0	0
2.2116949219	2.4327366168
0.6347525499	0.8369342359
1.7131387128	4.3183103209
4.7618754675	4.5689843035
0.2902575277	1.1706438649
0.4879507915	0.2108533726
0.2843393848	0.4300407285
0	0
0	0
0	14.6970138732
0.6563087344	1.5780030416
1.5078809681	2.7206563332
11.1652522349	10.3804808743
0.0278149792	0.1121811898
0	0
0.7260019724	0.7668713219
3.2475859165	2.2921339816
1.1749097176	0.7403990001
42.736190986	35.9873047694

gene_expression_table

0	0
1.7467994486	2.9354393123
3.9626215419	4.0398272042
18.146562584	13.0691591173
3.1093993004	3.6576706422
12.9847285953	16.0925534822
5.6482739485	5.5656109123
0.0119323249	0.0240622578
8.4561622011	11.7795939937
0.2460835201	0.1167629091
1.5269647308	1.9924346041
0.0590733699	0.0476500152
0.6082447783	1.4309896246
2.6587026716	2.4022015779
2.0348630752	3.0775687294
5.2523791645	8.9572135524
189.7242925437	237.5297876799
10.7946849516	14.0283554635
3.019313019	2.9200563202
0.7242491658	0.4564038837
0	0
1.4770262018	1.3899727514
0.3690916421	0.2480985707
5.3411675329	3.7697760486
28.5779348922	29.0864062255
43.6669887873	55.8642038455
0.0149256912	0.0300985627
0.2309011726	0.1611783131
0.5597373607	0.7524962546
0.8102859945	1.1354852144
0	0
24.7738504122	12.2346058586
868.2275064681	839.8884709006
0	0
8.3394687977	15.0971202157
0	0
0.4391796393	0.1476054025
19.3300378409	15.9818800562
39.4754929638	62.1305201864
16.2382009636	20.9206201031
0.1900589249	0.3832653648
5.0467101312	8.1251834692
2.8639300991	1.4438222443
6.9305959275	5.1880485777
6.720405366	6.5250878643
0	0
4.3268087517	5.7904081958
0.6670632275	0.1120977925
0	0

gene_expression_table

2.6255739899	3.8506395688
1.4258414697	1.8950814005
0	0
0.3618858149	0.3789162989
7.9612469255	13.6581680881
0.42597047	0.3681408527
0	1.7344847565
1.442528159	1.8700364831
7.9705805699	6.6509626712
45.974620109	47.173341617
0.8863597287	0.8936991117
0.1828950233	0.1475275688
0.402994372	0.3575715553
0	3.1127723753
1.827730995	2.4325821652
0	0
27.6036932453	24.773771607
23.0642614289	15.3189292247
26.4902004661	25.3740715708
0	0
0.7252710821	1.0156619336
1.1526913113	0.7263975108
0	0
3.5488829504	3.9992418237
0.4128044994	0.2628774769
1.2896834195	1.7436678578
4.9511844915	6.7541287388
13.4742368905	14.6308706965
0	0
0	0
54.0690751784	66.711331352
0.6137560038	0.4125587521
0.2868638868	0
1.1572690688	1.7502775205
7.3657387043	8.1273645957
0.0922828934	0.0116308787
0	0
0	0
0.3706828144	0.3162518647
1.672964015	2.1085209617
0	0
0.0772599744	0
24.2218551618	32.7482463252
1.040762182	0.7495571956
8.6819951425	11.7430167854
0	0
0.2829986807	0.2605296644
13.3419203253	20.3824186501
2.471841159	2.0524896893

gene_expression_table

0	0
2.0925629375	1.6879120996
0	0
0.4274045996	0.8227106354
24.907811396	21.1407884415
2.9081953083	1.7593657379
0.1117566178	0.3380460105
1.128507462	0
1.2933490486	1.5648701425
4.3157291392	3.6521223739
0	0
0.3323891624	0.6144260216
52.1445336027	47.8609453528
10.1480685442	7.4415260117
27.435764721	42.2073767882
25.7747035141	21.0041030426
7.3542535079	5.1906045931
1.0203728403	0.5787123193
0	0
0	0
1.7616006949	2.2202342418
1.5411255544	0
0.2137051841	0.2154747413
0.6502874488	0.6556720669
0.9471368763	0
85.5123291523	85.1006570496
59.8527399571	75.554224139
0	0
4.2201161041	5.6734136134
56.8908431165	62.509784747
14.796917659	12.432867961
1.7375450371	2.3359100613
1.7545771968	1.3268293037
139.1610786516	162.0794483211
0.9794411961	1.9751026554
37.0752246423	17.9988471831
25.5504981669	7.2455809623
130.407263701	54.1417402961
108.9403567569	56.4055684574
2.7343573237	3.446248504
9.6402596422	6.9429175147
22.9379111243	20.2368647461
89.4121398356	92.6567413324
41.0560046591	66.7278216082
49.9838967905	42.8381144885
53.5532095893	88.9356584386
4.0690071175	5.0144110938
157.6789010352	130.6322970741
365.8136192341	486.7406211318

gene_expression_table

327.6872020329	383.1025037373
3.2826783602	3.8324696342
2.8597574857	0.9611457748
6.1043195526	11.0274674487
8.4455971122	10.7863376803
104.8205864736	115.1250160191
39.1380707264	65.7702471289
252.3188011409	258.5958807103
173.1622577835	160.5660605347
12.7647641743	17.5731295704
16.7665843661	20.7695133236
55.739578248	60.033017064
224.8264265546	200.8811418242
3885.1962992854	4785.1727854583
18.9950851224	17.2156147234
14.5028843106	18.2787168763
6.0946809265	1.8435441346
3.4068905747	4.2938760946
0	1.4207832795
0	0.5099991637
24.0797702758	27.3140545358
26.1206941896	32.4702531348
259.8889011776	317.0973371381
54.1179544126	46.119725759
6.2900085196	4.228061395
1.7222473367	1.041904905
32.4824607766	39.5096585004
79.4157940869	86.8592660934
0.7129327726	0
0.8368670162	2.5313897441
27.0762607235	23.8337367302
5.5168078725	5.1788691257
20.9004104519	28.6599239607
8.8172206299	10.2579582046
31.4854816148	35.9790186506
9.0970632928	13.5292757022
2.0977778766	2.1151482453
103.7107188393	130.2832884906
2.9120686528	1.4680908235
11.6709021716	7.8450276756
0	0
3139.8798877473	3422.5721540335
1.5250020054	0.7688147901
7.5169168096	4.7369747701
175.2856004794	225.0124217021
19.7476896385	12.6906598762
0.2808059438	0.1415655599
2613.9156211188	2741.8936239627
51.5717410219	47.5647699368

gene_expression_table

391.0344427816	288.2266842486
112.5591471653	69.0815866713
1.5030661179	1.09116868
4.2174370578	4.2523589803
44.213347562	66.8691753942
12.8648983893	13.7821384853
45.8238584463	58.3729151116
1.7072841511	2.7542737421
2.1156701049	2.1331886278
0.5148569321	0
0.3243926459	0.3270787357
0.4898455905	1.481705074
2.2674270323	1.3064012332
0.3454725232	0.8127773783
70.0086280488	85.9583636465
2.5292936143	2.3540650072
24.7011234943	20.5105417489
274.3454704821	214.7422622664
47.1320791524	37.9688879019
0	0
5.408211594	7.3588942292
15.9517545978	16.0838409646
14.2234315003	8.6047240315
3.006308819	4.3573530998
73.3002477638	62.7910769705
163.0052460798	106.7362860772
0	0
74.7798608671	81.1049407121
11.7372305012	13.6275128636
0.7369838099	1.1559120309
0.1355473567	0
4.2161245373	7.9706917344
84.6194009254	69.9150659961
0.4829428847	0
0.1771419583	0.1786087586
0.1213080731	0
20.9021918775	17.4100053853
2556.301388481	2754.5653297549
5.9769822062	6.9395758985
28.4935484875	29.7116901307
44.5459192264	43.8861930917
0	0
39.3059574077	42.3646268544
0.136446787	0
0	0
4.9781686623	5.019389721
0.5637564938	0
0.2990518398	0
0	0

gene_expression_table

6.6059937412	5.2584424637
13.6056982681	18.9168942557
15.2437262439	17.95313473
63.6296387115	62.8902683952
15.5326977777	13.5344690622
0.6359930489	0
1.363724555	0.9166777957
309.3965856821	258.2437935905
0.8881371424	0.596994162
16.1288613178	15.5396402289
165.6683005196	153.496303225
3.1975074443	5.3733066271
19.4717445179	37.7557263262
9.827196215	8.0736488121
104.0620750105	109.0654739389
0	0
8.5767713292	8.9426011625
3.3704749675	3.0837185733
0	0.0429067079
9.2929849488	5.331169496
9.8824116619	9.8364949598
0	0
173.9119534223	215.0984632107
2.9682407894	4.4892283644
12149.5722933162	17873.9504754694
23.3371825805	23.124726046
0	0
0	3.2144631672
14.1511840193	19.9757054036
0.7530270823	0.2530874741
0	0
0	0
115.2613827274	160.8791120592
2.1277328423	1.0726756245
24.6628098849	47.4734151395
4.9083204192	4.1085731469
1.9602162129	1.4823356405
1.202201821	1.1111434511
4.4691932189	7.0930922377
0.1061943464	0
247.2086975469	263.2763078238
75.5971851094	55.6223041014
0	0
23.5143030917	27.9427619366
717.9844383414	685.2539206731
6.1904110824	6.8090944931
11.2095322626	14.4285335651
0	0
7.8844848631	9.1422369762

gene_expression_table

17.5181898721	4.7101991723
41.7878941748	29.3105483366
10.3070722311	8.6603488015
1.8812320528	1.083891053
29.1280526373	36.8998188501
4.3747408731	2.9406435525
2.2499589962	0.7561964934
15.0230765506	13.0912550522
0.3264896553	0.9875793275
0	0
13.3761271849	16.3097231053
2.6235625438	2.613415679
0	0
4.9444996318	5.6199526857
1.5898070111	0.961782717
0	0
0	0
1.8764051869	0.8408633372
0	0.5788533732
331.6904225859	485.8800836449
3.2261739286	1.0842959432
5.8784198797	5.3882684982
264.9610222732	360.4472175257
680.0531448999	604.1547060479
355.2709495515	361.0556811699
2.4677384404	0.8293907393
0	0
3.0235762486	0
0	0
2.654668928	3.6803945178
0	0
23.6674498447	20.6093215841
0	1.4935221199
60.6479773056	65.0953366759
3.4456284089	31.2674352599
11.1073475595	13.9143072417
45.5004772699	61.5396282259
0	0.0687467639
0.5421000915	0.3279533272
21.2561535538	33.5459931424
40.0472133338	50.1851035128
69996.7887430875	52797.9983000386
1.3921478484	3.9302909579
0	0.566427991
31.4112704046	41.5429621986
1.5651850679	0.9017973561
123.5701483514	124.3326988559
27.8743134404	33.6339996058
4.8154265999	14.5659002841

gene_expression_table

20.8323138765	22.5417506015
1.5199027862	1.5324881376
5.2487648245	8.5683667441
0	1.8006577171
0.3099674332	0.312534077
2.8682101581	1.445979994
0	0
0.5875747598	0.8886601408
4.9735628828	3.0088474824
0	0
0	0
0.6096616975	1.229419839
4.5485561465	2.9185035449
0.4265238219	0.2150277976
0.1570895196	0.4751708349
12.3446244585	6.7891868004
785.8338054498	1027.9715568803
44.922591525	46.4970776545
0	0.2277846849
0	0
12.1060661718	1.6275078441
15.8769019102	11.4345489067
93.7533314789	79.524938081
80.9119164806	138.3345206008
66.2494440331	55.9938342508
8.1917714429	7.0796591218
101.6849753237	103.2439359155
4.7448105183	5.5201145609
35.5849509969	75.3471755737
0.7839930653	0
2.4217224275	1.2208875878
9.9184238954	18.0009937362
3.634251207	5.9961994972
133.9871191704	167.673062219
7.2820939494	9.0813800152
308.940050746	314.7575107813
0.3267737796	0
67.0540969542	64.5820460133
22.3539210533	1.8274880839
20.4566056445	44.8391170149
176.0677801788	156.7759303551
0	0
4.7849359491	5.6516238793
70.9162499938	60.5497405856
2.4126906936	2.9192023868
5.0568647537	5.3026869426
52.9469836786	56.1231171131
8.8392504105	7.5144124213
0.3353837757	0

gene_expression_table

258.0315453747	232.9610151576
158.0076625993	194.2878339998
10.7358344775	13.4593217587
19.6802727931	19.0599471557
35.0808534428	28.1865331755
4.4953236195	7.4961346697
0.819801067	0.8265893199
1.8658516661	1.6931714408
25.4835337662	29.31813668
74.3607297032	137.7118722172
1.337121475	2.0222899953
16.7487008765	11.8211703751
43.5990940811	46.5459993935
6.4529504862	7.3196811879
0	0
0	0.3824825721
4.0309378681	9.2370807025
0	0.1956827613
0.2559294604	0.25804865
15.1015328439	10.7334901594
41.8298398787	54.3604436285
0.7868322612	1.5866950406
0	0
0	0
1.0773532434	2.4441167759
0	0
0.9341771343	0.2511766568
7.6153400928	4.2908694125
0	0
0	0
0	0
0.8464324409	1.0668015142
0	0
3.0677444657	4.1241953503
0.7943222834	0.8008995627
0	0
0.6599524401	1.9962512635
0.8295362309	0.8364050945
5.2083058634	8.2917355931
83.5099975808	64.7263161549
1.2753671661	3.2148191826
605.5555012428	720.5115374123
49.9795579106	35.7335067419
10.8158642542	18.1757059484
50.8375708832	48.9179526792
134.1943772752	206.5190062776
21.2616140004	28.9408517278
8.1811142265	6.3741166543
294.8573742462	265.331277441

gene_expression_table

46.3687778282	88.9442147777
42.7043963891	54.0728427625
0	0
3.36843921	2.405734543
97.6181306654	110.3847975899
10.3480321195	2.0867435226
25.6772377958	19.4173910424
0.5369434926	0
213.454158741	247.6593481897
2149.2211019849	1932.4789443406
66.1798284058	77.8491252096
278.6856278462	327.8254546579
0	0
2.7872610114	5.1710266171
165.7778280873	147.485761043
9.0893441808	16.0380627356
8.2929044237	13.1396142549
140.3636759507	113.9559505318
1201.8322407334	1389.5644382229
0.1151456089	0.0193498428
2.7383454158	2.02474794
30.5788523856	49.2127055288
162.1871851071	163.5301543638
0.781630294	0.1576204958
0	0
1.210708443	0.7324401312
1.3964698208	0.9386887347
0.7778499151	0
1.2883519963	1.2990200224
2.378933486	2.9036070683
0	0
25.8251313396	30.9726730043
2.8031378147	2.8263488218
0	0
11.4923055315	5.7937330139
54.7926315304	46.7811704061
80.3783394884	101.389650905
10.0374266741	13.4940536545
56.7790392065	56.8282405038
58.7403804743	93.2273268076
1.1959588869	1.2058618642
6.8875097368	17.0456911487
60.7959600436	37.782003389
2.2596131988	0.9113294492
124.7489765449	92.8851276786
0.1841915951	0
0.5158995261	1.3524455439
1.8336449272	2.6411831119
2.8885557125	3.0391033159

gene_expression_table

0	0
0	0.7613535056
12.7640385841	17.1596393273
0	0.1403980865
0	0
16.2427818913	14.1936409945
13.3638883357	16.7879592281
2.5049896661	1.4857246455
7.4879742579	8.7742980891
95.6050116103	90.1196645399
0	0
0	0
0	0.2922533468
0	0
0	0
17.1923259122	18.8064975123
16.5208434821	14.8067929894
10.320041679	14.8987775067
0.4735684382	0.4774897582
350.6769109434	465.2376896332
26.1068937939	26.6327515882
1.5005590491	1.5129842272
1.7750877593	1.8395024172
0	0
13.3262865292	24.7882713337
17.579522079	9.2170452173
15.8331408862	14.934293792
5.2933432492	8.060222063
40.6857146366	54.2824398907
2.8897623503	1.2487245601
0.4679205243	1.2974364631
7.5685655943	7.4034379955
59.3966712846	40.5696273139
0.2150493423	0.6071240828
8.0423397574	11.4876554718
4.3962675525	4.8548293291
21.7105771919	18.60679641
26.7264691639	19.2484100793
65.0291314339	62.9794018478
0.3896619566	0
72.1027517695	88.6937425133
30.6972079776	45.4598571403
3.5531619059	5.6297738939
152.605405655	232.9605939425
37.6289344577	32.8817803669
2.9750146769	0.9998829624
50.5186922385	47.9407110599
679.8695287146	593.385156065
13.4757135077	10.6335370549

gene_expression_table

0	0
3.6922774004	2.7921381066
23.818988815	24.6166242296
0	0.1735262436
323.9184412053	246.1612550698
0.0661668992	0
15.5673600583	15.3134278025
3.2416791912	2.5579733333
0	0
0	1.1468432398
9.8886132611	11.4660687882
1640.2690629587	1855.9510208485
0.2421009617	0
7.3472820161	4.2332115431
0.1204024482	0
23.0820710591	20.5878299342
2.0134643303	2.7551853204
3.2029029305	2.2605968974
15.9234249494	19.0656411244
647.9835304641	921.9035975007
13.1116312469	29.7454507937
0	3.1958824552
0	0
351.9701520918	416.9893976912
81.1270588398	102.6763438258
16.2650876729	14.2263052501
72.4711867206	9.6146414043
0	0.8927142057
16.7162126534	20.8850837765
72.0808912861	80.0938441276
5.2166364042	5.8442578478
3.2697968115	3.296871926
0	0
793.3315990907	1011.4271387421
74.0786527104	79.4596287971
0.8450968841	0
2.114708033	0
3.6130448677	2.2551670772
0.8165300601	0.9997107766
13.1623251967	20.3067094761
1.8775609856	0.841381279
0.8172088668	1.6479513107
12.1207504884	15.7128618072
29.5626379373	44.7111410999
392.9790921945	521.8914745585
20.0075698627	14.5247327024
11.7020549394	20.0582188038
2.9333834682	3.3125937118
10.6702095465	11.3733378035

gene_expression_table

2.3288618175	2.3481456457
0.4897518402	0
5.872152036	5.9207756042
1.7860547217	9.0042195428
188.6367822872	244.1357267837
0.8056030602	0
1.962833547	3.9581730545
10.889449293	7.6247346659
6.9222702726	7.7341393883
0	0
114.2408942868	149.0653362079
3.2998882802	0.6654425126
4.8008952352	6.915212007
0.2012810722	0.3044216298
17.4606370623	9.9029348596
10.5458803701	7.7704183951
8.7156869761	10.670968066
13.4997539773	15.5020281149
0	0
6.3442940078	3.3983143886
0.6262848156	1.0524511385
0	0
0	0
3.6508262557	3.3865719187
1.3406084268	0.9461964087
1.5705166926	0.7917605728
2.2115301667	2.5271547721
0	0
0	0
1.98138653	2.3973517628
0	0.1231245065
0	0
0.0791124388	0
3.8233490596	2.7306305174
0.7751272309	0.4809511188
724.2866747986	881.9808501309
0	0
48.1855131957	43.3035822208
29.7671051608	30.013587687
12.2619038433	17.1714401323
14.0156890733	17.9002092045
7.8652123187	8.9294370019
0.1412044088	0.284747266
2.7882058457	2.8112932106
4.1067368554	3.8646926638
2.2270509353	2.4627973837
170.2037481345	206.67383781
11.6308626384	10.4653862772
9.94755541	0

gene_expression_table

11.9356319639	17.5284575103
0	0.0528679193
0.7788292589	0.966496308
9.8067383879	14.2825825585
0.1333915246	0.2017440828
1.2786242663	2.1096192162
0.6586488825	0.2656410945
17.8720552478	21.2964137535
1976.113074643	1959.3784059913
51.7153748919	48.9248565617
2.90132917	3.9148109502
2.8472184113	6.8899066125
28.8447044982	18.9144760591
0.512976218	0.5172238489
166.9934888272	193.9987297827
5.8182073202	6.6663456891
46.3725189117	56.0799691597
0.4231540125	0
5.9025863586	2.6450941929
1.3514541283	1.3626446632
1.4962695092	0
10.5384818902	11.5417568239
0	1.7840566933
0	0
0	0.525225774
29.9956449903	44.0261049321
0.5963690581	0.6013072122
216.6284755709	248.9371102139
5.0627786954	5.104700356
7.2392855046	0
12.1117961006	25.9506831866
0	1.1599041918
0.9610490855	2.9070207711
898.8854597832	1102.0473525147
0	0
11.4184615883	11.5130106297
58.4330257496	91.7228584648
0	1.5702787341
191.8851604903	328.686010887
0	0
0.458119436	0
11.2074940855	15.4345509602
52.1623577219	39.8991098276
9.8725052663	0
109.3916099677	209.5650838221
0	7.5406013702
0	0
0.9614502916	0.484705726
4.3264540662	6.1071901652

gene_expression_table

2.2270416728	4.1167177204
0.5071474563	0
3.5318160879	6.7264482115
449.8631964468	596.6663943697
10.310441417	16.3362817291
2.1387983177	5.0318528182
157.8134369676	123.1898245074
0	0
19.0873569056	19.2454072072
2.0106700462	1.2901121737
0	1.9100637683
2.6168470681	3.2248523017
3.1722562376	3.4048800469
0	0
202.0226340808	243.7070627533
68.7997358698	76.7829489727
146.8674327739	148.6402539449
0	0
0.3486840316	1.0547137889
35.013189322	28.0983947441
1.4152554308	1.1675243976
0	0.1631945712
1.0285182335	1.1666640836
5.1748298585	8.4787289337
1.3801267074	1.5552669748
0.761769599	0.384038665
2.5436687422	2.4621420004
3.33639998	3.7597944275
0	0
0	0
0.1968964186	0.198526793
0.4074189833	0.2053962808
0	0
0.9869604148	0.6160345956
0	2.0648073158
0	0.2003838487
2.3763218594	2.0273834935
0.6183569327	1.4963451705
1.8309792613	2.1098747883
0.6934176746	0.5992795086
0.8152225417	1.6439457655
0	0
0	0
0	0
0	0
0	0
0.4391519675	0.346529979
7.3859362719	6.826503317
0.4089672246	0.8247072458

gene_expression_table

12.0559532781	14.960961211
0	0
22.5274668587	20.190224471
0.8135254573	0
223.4773289131	275.4006481037
2.9303975322	0.5909324593
12.5480948746	20.4378424272
0	0.3365793414
0.074840218	0
5.1143708687	7.6395847874
164.1546839425	167.1366305431
5.6939698234	7.77151336
772.7652175094	530.010355374
0	0
126.1105029003	145.5215403824
145.0052198135	91.6514697994
6.0600991086	3.3328794258
25.3997858411	21.795834353
22.6823751744	24.7245335601
2.1356250264	2.1533087834
8.8392171503	8.9124091037
445.5765100575	607.3876161431
0	0
0	0
0.2147293368	0
2.4586058236	0.4131606633
318.7932846724	374.003829107
4.4115317382	5.65023944
43.4383138126	34.412713461
17.8866317159	24.2536152883
11.2191057508	6.7872024317
5.0907560312	7.3327276493
3457.7812980219	3701.797629182
22.5681188337	22.5684747974
14.1566463523	25.785052893
24.0779720703	24.2773464921
30.1898992503	21.742773333
173.5973388332	225.0447278646
0	0
0.6478727435	0.6532373669
157.8755712579	196.0666672701
0	0.0814164771
50.8342269306	59.3480718207
2.0374633603	0.9130374678
2.245644387	2.6416123353
3.3185274186	1.5443104801
0.2407142887	0.2427074911
0	0
248.4916816972	248.2361976469

gene_expression_table

9.8050780994	12.3838511627
5.5479700647	3.8578684742
0	0
1.6484167785	1.6620662728
44.1011111844	41.1724856731
9.7725234591	1.6422405884
40.5445480485	34.7643255797
0.1580222238	0.1062204704
30.4721060204	43.8920374452
2.3384148612	1.8862222337
15.5838337148	14.5402710574
0.4541266768	0.9157740237
2.6658008159	4.3983402912
5.2565231935	4.7111547818
100.9835265962	82.2543516653
2.4849568715	0
3.6896155535	5.5802503812
55.7251378016	58.0594477505
0.8332337296	0
0	0
3.213644078	1.6201271136
0	0
34.4381083765	42.282946905
6.5127397839	13.1333353062
8.1187150089	7.9378821244
7.3932621421	13.7621188777
1.4309685534	0.865690498
25.6897294203	28.5455569036
60.5021306681	59.296729743
9.4233143556	14.2520142715
17.0932813386	25.6763644371
3.5477224701	3.4215728711
10.2591181235	11.4934081962
0.263519844	1.3285094238
96.3550869535	138.6417433414
0	0
0	0.52366232
2038.3836059893	1851.3010000733
50.0900229575	70.9797002012
10.4447076123	8.1377405202
0.5438667238	0
81.153751005	105.5121303842
0	0
4.3981705533	6.6518835229
1.2872344153	1.1940617324
7.7445133148	13.7324371278
1.697669194	5.9910428069
35.2916384724	62.2717657737
28.7730816293	25.9575087213

gene_expression_table

1.6896977465	4.0462615231
76.8617667285	97.6276155603
0.6625598471	0.6680460851
0.4905132962	0.9891498517
1.407975507	1.7472419194
6.9810792013	7.0388850923
0.2221313685	1.1198534876
0.3967779665	0
0.2715357985	0.5475684286
0	0
1.1513371247	1.5478274901
2.3567929068	2.3763080147
0.9415301333	1.5189221559
25.2306970697	30.2448773664
14.6133123637	8.036899603
1.07062542	0.1799150984
6.0100679241	1.7313809961
8.7325253862	6.3590467003
54.10250067	43.066175667
143.9525154309	148.3597211023
0.2935028328	0.5918662874
55.3163162466	35.6668625889
3.1988101807	3.4403173332
43.900798583	30.873428579
0	0
0	0
4.0663130056	3.0749876742
0.3028426821	0
2.2059942802	1.1121303601
3.6652887868	3.6956387195
0	1.4910287607
0	0
1.8569454529	4.4935719383
0.9845915217	1.4891164499
14.1387038348	10.5768671608
6.775522073	4.8797327684
0.3729527835	0.376040969
0	0.7656713901
0	0
2.4254785457	3.5571816666
0	0
15.7045407507	14.536663695
0	1.3496560322
3.3044335809	8.9958478511
0	0
1.0688780213	1.8860252644
42.0164957088	54.46852415
1.5787345959	0
0	0

gene_expression_table

16.0648578998	14.578092723
1.4853838995	1.7972201063
5.3268008823	4.8970050307
6.3138007173	5.6385291499
7.0058548829	10.5957988885
5.1026796859	5.8799219902
0.9576036376	0.7509700693
1.3203589064	0.4437639872
90.6243972198	68.3423093896
15.067438852	18.9902534508
3.7300110594	2.5789007426
5.874603078	9.6925859047
2.213308374	2.2316353774
0.8620519646	2.1729751759
134.0719421519	171.4810059828
1.529276377	1.3796299404
3.2053695595	4.8478667891
3.4248398623	5.4264552413
4.8680152791	0
97.1381837183	61.1398782649
3.3276522357	5.388664847
0	0
24.330765506	23.0891606117
1.111657563	0.3736208315
941.2559801944	1039.7767094396
3.9745586824	2.0037347415
26.7070632471	18.3340987276
0	0
3.8772020682	1.3031022402
0	0
1.7630841292	1.7776831111
7.4604274785	6.7942474634
0	0
16.9261773112	11.5313055775
0	0
0.7458089471	2.0052920483
0	0.1251470311
2.0945459766	2.2438826829
0.2390790476	0.0964234838
630.8754675104	612.9463059187
0	1.2481875897
0	0
1.6965436674	0
4.169088041	5.0172114771
0	0
8.3267756065	9.6873742573
1.375124211	3.2351917331
87.3455728213	87.8682137743
54.7151190761	60.594558678

gene_expression_table

2.7574162936	3.6264113606
1.9964095254	0.6709801757
61.4318274716	66.2122644876
12.2600601518	13.1702792977
50.3266703371	53.7240227244
76.1255528028	42.9070249809
1.8591039946	0.7497992225
48.0375631694	96.8706635504
0.4710115405	0.4749116885
0	0.5546307901
2.4116512386	3.4737437051
0.5998171759	0
0	0
2.9648017875	4.9822523858
10.2126555111	14.7103143382
0.7667513032	0
0.544990699	0.3052796786
2.3192152279	2.143550914
6.491144387	10.0690668284
159.5674019433	149.4646302634
0	0
0	0
0	0
0	0.0912743185
21.9203659416	25.3645322732
7.6882500952	5.5986028367
10.2728300136	10.4692679977
1.9729223545	1.9892588738
0.2185728142	0
76.6353221296	86.2287185481
1.2641463992	1.0925262806
0	0.4798975349
606.2702846674	462.6680168765
1.4951038876	1.0436426966
93.4246034925	112.0387603376
11.068137392	11.1597856207
15.3748056379	17.2737849025
0.6027685376	1.2155193635
0	0
0.404272228	0.40761975
2531.2813986492	2529.5421348206
9.8403576824	4.1776166087
32.1196048893	30.7247686678
14.4439787955	8.3220458439
0.4915602383	0
1.1556894964	1.7478885427
1.6240448689	0.4093731387
1.4217109663	0.5733933014
0	0

gene_expression_table

0	0
15.111929321	20.678869351
0.4863902911	0
1.0954423652	0.1840855048
181.9359379654	154.9772288291
0	0
8.6733914735	9.2449366341
0	0
10.7326334854	4.1621167765
13061.9013584473	13816.7366482474
13.2364903141	13.8063034125
25.7904094466	24.4591735671
0	0
62.3004962133	85.3214435363
8.3808516322	14.0837469188
0	15.6057002148
1.2737347671	1.1008129347
4.469808192	3.6483779656
0.5394968326	1.0879281276
241.3970171537	241.2031172013
1.0534043949	0
1.9700421102	1.589083824
0.1933068683	0
0	0
97.2365498926	152.2775404361
24.8577892061	33.5266615885
2.2373688783	0.4511790223
4483.8190744546	4182.7608757484
2536.5969176137	3141.9476432507
41.096971887	42.2578098538
0	0.3614769913
11.6839049274	14.5525700396
0	1.6759008314
3.5920991285	4.2803599375
20.1731175211	10.7683191095
1.5846438794	0
28.2998251483	34.9773550399
180.3129095252	154.8960580282
436.8030286083	527.3697725343
9.9872421011	32.7273053941
0.2442163671	0.246238568
1.4325350993	1.01107791
2.1910931677	1.6569271658
14.8460042099	8.6662252708
33.3310124898	41.719041277
14.477812532	16.4224058838
6.7925885655	1.8678637323
2.5417822141	1.5376974607
2.309640504	1.0188347631

gene_expression_table

63.3398768048	67.9192337983
102.2848121549	118.6569802007
6.6316232029	6.4519201907
9.2739918871	8.8453361541
0.0470553459	0
0	0
8.715781216	18.4546972568
6.65761853	5.3357724999
0.56983819	0
8.6083925087	9.0742037472
7.5207157117	3.2498528531
0	0
0	0.1131266535
0	0.3211706719
0.58358454	1.1768336671
1.5221043428	1.8224656596
947.0926474039	1103.9145380399
0	3.6207820041
22.5127862025	28.3740003906
0	0
0	0.5257013927
2.1354270084	2.691386407
0.3690561548	0
5.6261966585	4.125660819
17.2932100119	19.8414253784
0	0
0	0
1.0879903763	1.0969993348
37.6369763408	45.5929514741
57.4385980776	27.7988211329
907.7130634867	1271.7429832258
19.9738425961	23.8687209761
0	0
16.8973773748	22.5331950844
24.4399507802	20.1245633899
1.2447616628	1.255068745
17.1182804047	18.1527859993
20.2240977917	32.9402134769
6.7563833031	5.1092464724
0	0
2.8186904722	0.9473434204
9.025009841	11.6100133915
0.1853597666	0
0.689868808	2.4345341097
3.6399324006	0.7340144746
0	1.2221084111
4.9556002335	3.0748519491
1.2977899406	2.9442062616
0.8572388999	1.2965057277

gene_expression_table

23.109813933	28.0565128043
4.9051329624	2.2255871664
10.2103654034	11.7079379615
0	0
0	0
0	0
0.340648744	0
3.018019483	3.5625480457
1.6071833522	1.6204914186
0.2371450666	0.2391087145
2.108144968	2.12560118
0	0
2.7921495597	3.9882985718
1.2874517307	0.8113201889
0	0.4289751334
3.434903552	2.8610248001
0	0.2303790023
0	0
0.1912457673	0.1928293523
0	0
1.5421575121	1.2957726173
2.6282615968	1.3250122824
0	0
0	0
0.3736304394	0.9418105905
102.3982214118	95.2218066186
0	0
17.9500095751	27.5099361812
115.4757368193	97.6525765437
24.5911194319	28.8155120208
31.0651604092	38.4411166052
5.4317406333	5.4767174339
1.4025931964	5.6568287259
1.3129321385	0
31.8350469716	36.9832304147
176.6289523866	165.3706829936
1566.2808267581	1535.0410238102
2.5364075204	1.7049399354
3.9125068438	4.733884599
0	0
0	0
32.6424099005	32.9127010023
0.270451645	0.2726910837
0	0.8711465306
87.1459848997	66.6581683497
1.4581854049	0.7351298569
80.2528116915	88.4908779553
0.6538320544	0.6592460232
1.3711290416	0.5529929968

gene_expression_table

0	0
0	0
0	0
0	0
0.3407495456	1.0307132296
22.5946367064	45.5634571369
0.7159024024	0.5413727522
3.1775083175	3.4824122276
0.8028172943	0.1618929831
0.2344318026	0.2363729837
14.7297267044	11.0917716423
4.7698161472	1.9237247883
10.3554767469	15.0092593343
22.813506316	20.214239529
2.8952288324	3.8922698491
7.8558789115	13.681603711
0	0.7901620362
0.6112149757	0.6162760594
21.8838657214	37.5106226372
94.8580594607	100.2649494489
10.7785448973	13.1052824401
0	0
0.6861691183	0.9224677996
46.0085793369	23.194773607
0	0
0	0
9.1828470037	5.7868027112
583.8106149647	679.205516012
124.1269439989	123.4634799807
9.9212723802	17.3392685213
7.7653378843	4.9824967336
16.9413684317	29.282827137
0	0
22.9205615896	32.3544931205
11.0551207417	13.2366601606
32.4904236278	18.9660009739
10.4621049145	11.7208166362
22.5201241381	21.1928257415
1.9504217721	0.9832859891
19.5616480339	21.3672611095
49.4521662566	56.9847409071
1.0329467297	4.1659996268
44.8531889718	44.1009975007
8.6757885194	15.237802261
0.384214412	0
0	0
6.4329338364	4.43792692
11.8369075828	8.7328693977
2.5836414949	2.5260945378

gene_expression_table

0	0.5524141669
0	0
0	0
0.3745053383	1.1328191388
4.3345375755	3.7744615241
0	0
0	0
4.1771252898	3.6852492391
14.5740106219	14.6946887642
3.5706326024	1.8000993736
7.1717443004	4.2536052754
3.176506581	1.8301766961
5.5920580199	4.698635256
0	0
0	0
33.8685004194	24.1541311216
12.5561518324	18.7719040936
2.9731126807	1.284741918
7.6078046376	7.9658308156
0.7266084138	3.6631249873
1.7928211338	2.2595829363
4.3871950253	4.9764629316
6.3503438286	3.7350407499
1.4682251871	8.1421044599
0.4450525679	1.3462132983
0	1.4713776403
1.5199696598	3.5759629848
0	0.5294409922
4.4108619034	6.6710781817
5.4164111677	5.0971769657
3.3844168011	4.1707612357
2.0462792191	1.1789846629
1.0354545583	1.044028501
0	0
0	0
0	0
0	0
3.3897302049	3.2279207221
2.2409254226	1.6648808144
0.3399447996	0.342759667
2.2509852367	3.0261656245
18.0625256196	13.8758780518
6.1020732032	4.1017337352
0	0
1153.6682666754	1410.5018310406
0	0
10.7704298863	16.575198771
0.7771150049	1.5670996032
5.5450835358	0.9318331428

gene_expression_table

9.6930051705	8.8847880011
7.1554913526	1.6975862212
9.6428920585	12.6818331317
4.0858993516	5.9736115359
104.1482140319	151.47546634
265.2573610085	246.0002765571
172.8175243454	156.4680558139
8.6835032496	9.7282287053
8.0947008434	10.7851404778
398.5901444794	448.181682574
147.0931222595	149.5574189759
0	0
0	0
68.3531190911	80.2341853582
52.3422279209	53.7395793699
21.4766093807	11.363222862
12.7121119409	10.4437853102
74.1437420372	79.9133813842
0	0
17.3877861169	18.4544877371
0.1239029261	0.1249288876
14.8287310793	15.836805674
0.7597842533	0
0	1.2041735076
0	0.1348913837
1.48953409	1.8022415729
141.8232956892	151.6350861012
33.339781312	36.3414561128
0	0
4.4200798091	8.1705794275
0.9209776174	0.9286036491
0.501843029	0.1011996946
0.4100156718	0
16.9790096906	22.5725124058
2.5952038312	0
10.3708497751	10.2269060928
2.2864432079	3.2659490422
1.6591533688	2.57367964
0	0
534.607243848	663.7170827453
2.5615898552	1.6312425832
378.1462559624	399.1034038562
247.7149319329	194.0413941692
0.4281986785	0.0863488641
0	0
54.3723649229	46.0118149335
7.9611008821	5.1283749823
2.0459893648	3.1942155958
0	0

gene_expression_table

259.1199402026	305.6806913366
1.430115517	2.329315795
45.223872867	64.7062201905
1.0486558731	1.0573391276
29.2938451495	31.9640589569
137.2638449353	137.150774442
4.5023171809	0.8253814573
0.4362926532	0.2566114344
1.5664451764	1.5149499601
0.6750140769	0.2268678135
0	1.1359593934
29.7802289282	48.2863729021
0	0
354.7844674218	396.5606243321
52.9643836016	63.6035112011
21.663380285	18.2023008358
35.3410439159	35.8316455879
22.1642120959	30.5513406018
9.065308892	8.943098731
2.3639898674	2.0856189976
0	0
43.6354756667	52.2696946954
27.7025492593	46.8192459545
4.9214380619	3.0140705806
29.9467247291	34.099180938
149.9849273073	246.7385568155
4.3712350282	3.2647632994
5.1876128764	5.7536250308
0.5045166639	1.1191273423
0.8205280136	0
36.1916874129	42.8773572022
6.4113764962	6.3490281646
22.6147391123	26.375444788
3.310350349	4.4106130956
8.5394834732	11.8902672447
0.5278404218	0.2931017838
0	0
15.3138329972	7.8998608621
0	0
0	0
20.7165776496	23.2528111551
0.5053538522	0.7193482829
2.3750701556	1.9157892847
0.1605007965	0
0	0.0725098577
0.13843377	0.2093700784
0	0
5.3000471539	5.9194340134
0.8620261515	1.216829661

gene_expression_table

0	0
0.005596	0.002821
0.0955295943	0.13484886
211.6028419803	184.8421119864
0.0445514026	0
0.3822325317	0.0770795114
26.0840332127	27.7858953095
1.9302369565	1.5231287153
23.7484995276	22.4618181804
9.7115057353	9.7919205574
0	0
4.3331289342	6.5535132417
1.9955446049	2.0120684446
1.0006682664	1.0089541659
0.1373828147	0
3.3358314434	5.0451800231
3.2252703228	4.8779651124
6.8400891848	8.1898640569
6.9343602052	4.8810534357
0	0
0.0789874719	0.1934151128
0.1881199125	0.213387316
42.2838071332	53.2924156663
3.9825083496	5.621678967
0.0373629227	0.0376723014
2.0352227187	6.1562253233
1.0336213338	1.3476466768
1.7180162337	1.8765955401
2.661202686	3.8906957065
5.7119494755	8.6388697618
532.4894368019	552.6897808364
186.8346555216	270.3493312419
7.524366272	19.7253440248
0.7350028814	1.1116334614
73.1615656223	57.1840078794
2.8209921956	1.4221755218
0	0
460.6546575413	512.2182010504
91.912017235	98.6707140157
44.7729410969	34.1929834053
5.8631823537	7.7031654828
1.2681275811	1.6273449076
7.5978899008	7.057590359
17.4619182322	22.0081366332
0	0
20.2697380196	22.5337408049
7.2850844428	7.5902545288
17.1190723321	19.4710520466
1.1408054431	3.4507551892

gene_expression_table

51.3658522176	28.2497346954
0	0.81147896
1.8370937119	2.5347338698
43.3416553484	30.4607578369
1.127255447	0.7577263564
0	0
0	0.0781777112
79.1817593303	83.0960832095
0	0
0.2640637072	0
15.6492396591	12.6230568731
5.1841037471	2.71403482
15.111929321	16.7607677898
12.9103571403	13.2059155594
2.2082633073	3.7446498101
8.0776235956	7.2157494459
1.2568179221	1.7168852597
18.533491323	27.6791745618
1.7160655497	2.1010484578
31.7717631114	34.4990637806
0	0
6.4221399612	8.0611097035
6.2485573737	3.8771062867
1.7996690103	0.8709940456
2.3200273716	0.6683537278
2.8390754789	2.8625840631
17.4010703684	11.1651002911
2.9464266584	6.2717398714
50.6208424712	63.0324831483
24.868149342	30.1967255132
3.4078988288	3.8815401146
213.2283868212	214.0288152327
2.2237802622	1.8217826061
15.1113402768	16.6696008064
0.6977131345	0.1563312121
0	4.8651334422
14.0573226563	16.7722382126
0.8515336939	0
1.6768307787	0.9945385596
11.3426301065	5.7182756177
3.3234359515	4.1363353468
1.5201703159	1.2043097648
8.3459250898	7.1527775437
4.2656768447	2.9529241444
5.0376245859	4.1723133254
4.9665292423	3.0309484266
1.2599788283	1.732379883
142.2121773659	147.3182324458
2.3119485215	1.960236708

gene_expression_table

0	0
3.5988742152	4.0938888534
25.0877780885	27.5274711978
2.1979939192	3.32429117
24.1097504656	23.2654265752
5.3870182179	5.4316247005
7.5071974331	7.9478277644
1445.4339091135	1481.6926747896
37.9105425837	34.4769600904
2.6144851736	2.7663135279
89.1889942198	83.2662145713
0.1512383785	0.0762453438
0.1714513537	0.1037226202
12.4528514952	16.4622660922
0.5956675737	0.4439216794
13.7756156491	15.3069973591
297.8383221233	455.9864855266
2.0503217062	1.8950241937
7.9312288395	7.1356974523
30.0462487271	24.4994692849
0.7343679578	0.6731352666
0.8165714184	1.6466658573
0.0944464596	0.0952285109
2.6520439513	3.5459616217
0.2204220769	0.2222472524
13.341086889	17.6261767903
0.8340484658	1.2614320385
24.6404211325	29.8133434061
1.3248965788	1.8245991125
0.1362627224	0
1.5973808212	1.6106077191
3.4210606484	3.6464961846
0	0
0	0
1.726223263	2.2626721304
0	0
1.4115068629	1.4779329124
3.8395499163	4.8391784937
0.1962855852	0.1979109017
12.484332653	13.6728546949
0.6696147319	0.675159387
16.9691867707	11.9767884938
5.1157133262	6.1290047506
3.7677964239	3.0391961259
1.9859940745	1.5852640756
0.5587518438	0.5097234171
305.8310252085	357.903770444
1.3461877651	1.8663352022
0	0

gene_expression_table

2.5393607858	3.174880652
43.5215501166	51.6257935075
0.0744050021	0.1500422054
0.2276288871	0
5.6789510355	5.4533093607
0	0
2.4537162034	2.4740338717
0	0
3.6911924808	2.1710248616
14.8965948323	15.46830063
0.4618943523	0.3991877199
17.1443525696	15.6657221387
0	0
175.7369647646	273.8884084445
0	0.1984182268
37.5682349278	37.8793136637
5.0219099068	5.5749571144
71.7849127548	52.4126096639
1.1423143452	0.3839243754
11.4471052116	10.5382486993
15.1048135195	14.0583571423
0	0
0	1.2571070766
203.0646016895	173.9485947906
0	0
0	0
0	0
11.8160075344	11.9138484016
13.1393086976	6.6240534915
15.7695695806	11.1889926069
2.2019166568	4.810323554
5.0761104522	4.3100147408
49.0068708622	45.4062333373
0	0
66.3552503319	75.6023065841
3.7700113235	4.223587108
4.7271306004	0
5.6083759873	7.3947585912
7.5952115707	3.5897356418
131.6420025448	28.8218158135
1.4970086767	2.113166239
7.3515379819	8.0134177375
0	0
0	0
27.3732958392	41.2055692293
2.1060959365	1.6988281454
0.603273792	0
0	0.2291640211
30.5734993356	55.0476055368

gene_expression_table

0.0391382333	0.0197311561
2.7903265539	2.5008279814
0.5942570435	0.4868318888
0	0.0439643797
4.4108619034	2.2807104895
0.8012517821	0.9088722451
22.7058861138	28.8463129437
8.0965780045	9.5333556396
29.737262201	36.3081416449
7.2976211179	9.3321585556
0	0
10.3856706253	14.201302879
2.6062520127	1.97087455
5.6851592904	7.6429793202
30.25320387	35.4771426895
10.7146161029	18.6603094431
15.536187757	12.6651841909
3.089757933	5.3519982409
3.4474622874	1.3517810977
166.6111714181	148.7131432236
0.9340760985	0.4709052953
21.0375790467	14.7390662624
0	0.1096408865
0.7781302466	0.5230489666
0	0.070076174
17.6227658639	16.1304409106
14.3273327375	16.1598967387
1.8877524824	11.4203025834
2.814978176	2.3432371281
1.3082736111	0.5749951826
0	0
0.9598296947	1.2903699145
0	0.0110995723
4.2593245964	3.047775935
0	0
37.9329464292	24.6911303874
18.3307997546	31.0030466217
33.3681988097	22.7669546905
11.3675124804	16.2373228296
0.2364973022	0
0.2289231073	0.6924560232
16.5536057983	14.8361561896
8.0865801563	0
0	0
0	0.1185981569
49.6294556064	40.3279218645
170.4565975057	160.8633072322
0	0
0.1823626596	0.7354907568

gene_expression_table

4.4831385844	4.2189099053
5.1089892216	4.1210348179
19.3455571116	9.6502108848
8.836694165	14.5600236638
20.2881391293	15.9103251589
27.2874173995	33.7664052042
3.3397013175	3.3673552668
2.1667683023	1.0923549685
1022.0210085916	1540.2191733971
18.990377477	22.7378043946
0	0
1.3107996255	1.3856045033
0.3270274379	0.4946030171
31.2642790625	40.4741791185
8.305893063	13.3994702364
0.0739429927	0.0745552678
5.9989355918	4.0324059828
0	0
0.8856650259	1.0843555114
28.9597562203	35.4886882236
311.3165190068	335.4530105001
2.2264101485	1.3469073837
4.764406455	3.9561179283
1.5957719888	1.7095471628
76.1257611895	112.5756285219
0.1976568452	0.1992935162
3013.2730386897	3046.1983836909
4.6298207392	7.4690517593
7.7050232836	8.8403855858
0	0.1075019533
5.5335368297	4.184517405
1.6732476232	0
63.6859878528	65.3016926874
32.6283286517	55.6743899556
11.2295343328	7.949853757
28.5801177033	29.9358694627
0	0
4.2071972621	3.6635751596
226.7138571448	179.4077090644
42.9540319406	48.4049666998
31.6201723735	37.1956654701
92.1223211408	112.968398528
2.0386817758	2.4666753686
7.4484412307	11.9479134892
0.0794486694	0
322.6266634781	296.1047083864
3.2136889212	0.6480598884
1.5590698812	0
7.4848673082	5.7499769518

gene_expression_table

9.4726872946	8.3756015834
34.7793891838	58.445625427
0.8986023938	0
19.6794509273	28.3462914058
20.2733981384	28.4938905331
0.6018234631	0
28.7290772563	35.7827208917
494.336328564	437.5104392208
0.6493706729	0.2618990799
9.7257518096	0
67.3818178418	82.4982848046
34.3236109797	32.1966222561
7.9286181938	10.6590267393
0	0
16.3863475666	19.1307744994
13.7213251238	14.2812311929
2.495145874	1.1611415054
59.9051582741	79.9677791782
6.1603050077	6.211314588
0.7402475021	0.6717393201
8.1322670499	4.8066651158
3.9732074777	0
32.7515282721	31.538555592
7.7099486246	9.7172372765
26.393184273	37.9358697117
0.3001274537	0.4539189283
52.9438627246	0
0	0
1.3659893408	0.4591000775
0.6815030801	0.3926549572
0	0
18.8491995241	28.1119734057
0.3000961676	0.1512905368
0.2524729257	2.5456349397
2.1087957628	1.4883801545
0	0
0	0
0.056369578	0.0568363388
20.5051133068	17.7900329433
3.1082779606	3.0157508987
0.0550081215	0
0.3835208472	0.4640358483
2.8390754789	6.1068460012
0.0128506529	0
5.44568511	3.3990526613
204.5445273653	285.2009792817
4.1439573739	2.9402646777
3.1306733152	2.9368333931
0	0

gene_expression_table

1.8553099048	1.2471150333
4.2638694678	3.4035142285
6.3442794439	5.9703582398
12.9138397087	10.6886926351
185.1565878961	195.3266446664
0	0
1.9453968227	1.8389113316
0.0142827076	0.0432029208
0.0130393266	0.0262945941
421.1553483949	520.0469688773
1.7898731385	1.3297744845
21.5933724227	18.5137529337
7.2684880319	11.1193671041
0.8427363646	0.4956668093
0.0555173136	0.1119540345
1.0766984706	1.085613928
39.4900210652	37.6934388728
0.5794148205	0.3505275524
3.9435925146	4.7409097702
0	0
303.1669190681	249.6364225676
8.8146736988	8.0492037042
30.2101538964	34.5968896617
11.2206674738	14.8692748727
20.1199980832	18.1070470696
8.4806656635	10.01675531
21.7091293375	28.1428571243
53.2728711241	69.8787017189
15.4803147642	29.1358618816
1.7542430807	2.9847974437
0.9839758222	0.653899581
351.4382614881	418.0092879022
19.5477649446	21.4634503875
0.8088852306	2.4467492891
7.3740331344	10.4091299589
0	0
0.6144952659	0.2655357907
6.0084238492	5.3523689088
2.091415578	1.2652399587
3.7247875109	3.0928718593
79.623241613	146.2926488485
0	0
3.0988176509	3.6311489405
4.1812222878	2.0565094335
6.1213138996	8.229334159
0	0
0	0.4544015404
0.5051262141	0.4122976357
8.8635972874	11.1712388966

gene_expression_table

10.9449981345	11.7058064858
6.826738004	4.0260611829
2.5788485616	3.9585170433
0.5473046646	0.5518365475
0	0
0.2359303832	0.4757679462
0.2539117863	0.2166274582
66.5166385661	46.3858372104
102.0378293712	115.1135551848
3.3937509153	2.7881760419
837.3833730849	1246.8603704471
17.9895744431	27.3726978261
0.2882209131	0.4359112317
0	0
0	0
0.013772376	0
10.7899136734	10.3847463758
0.1480647295	0.1492907597
0	0
0.7794198206	1.0716459573
3.5123909626	3.4571540158
4.1495661443	5.6606058605
0.359681968	0.2175961598
0.5499130926	0.1663399723
111.3437723712	159.5355246388
0	0
0	0.1324840932
2.2521317004	2.4836658167
16.838736369	15.7654410359
2.4116682159	2.6223543947
25.9783393177	23.8265715112
12.7037234736	18.5729266829
0	0
5.9105440636	6.3502714684
3.8904650171	7.6001915147
433.6254601822	568.9486620573
3.6449442566	0.4593907161
0.1400798264	0.0847438432
39.7198543067	37.3470479011
42.7716106521	46.0814358522
2531.5798321623	2284.8679277269
26.4837443208	34.2755431328
7.3831034932	9.6253526967
1.0387566988	2.3411531417
12.7573239456	16.746116769
3.7650123075	8.7786847211
0	0.3656203854
52.2120805062	51.3707604263
28.5848332736	18.8448440249

gene_expression_table

4.6447604641	4.8081066683
6.831972793	8.6106800355
0.161664243	0.1630028821
0	0
35.1445394796	43.8143981856
796.4903395208	794.734594589
40.0115965726	56.0981254484
702.72108395	662.5571352614
11.7335967988	11.2080839448
0	0.3218919035
2.0835503199	1.8716243833
6.961505402	4.3567133058
0.2651240087	0.0534638665
14.6251231461	16.2782997936
1.991963179	1.1925215594
0	0
0.7193459609	0.7253024088
5.8461935145	11.9329750572
10.6935734462	8.2852081141
2.4558966643	0.8254107959
4.4149957946	8.4084900876
2.3661490262	2.2425971098
3.0855822603	2.9037232101
6.0835495093	6.1339235259
64.3027861433	57.6101957035
0	0
36.3412006713	41.9306723888
3.4075626778	3.435778544
21.9789101685	19.2339917946
7.4870108903	6.3357729608
0	0
0.4055536431	0.2044558879
0	1.2849314918
23.6978876923	27.0588983036
3.612604627	3.4717752696
13.7810682504	18.0494097732
0.4131507875	0.2695464764
29.420547573	30.5496578031
0	0.2758527194
9.6523806728	6.1355841655
0	0
1.4002055134	0
9.8152831083	8.9069015205
0.7263639703	0
6.013345902	4.9178790924
5.1806053382	3.2144631672
91.0299616016	120.0248685418
3.3855223861	4.2410844175
0.5700864461	0.4023648794

gene_expression_table

37.2172413036	52.8135451848
48.5877221207	59.2621527145
9.2437000291	13.4846043598
4.5966441842	2.8089127761
19.098778432	21.8245130824
0.649920428	0
9.3468264145	0
0.4282209714	0.6476501967
3.0290185858	2.2687599765
5.9486632581	13.9951475236
0.606295833	1.2226323688
18.3520348639	27.5503946844
1.7165820494	1.8461823755
1.1477414674	1.1572451869
3.2749039779	2.9351301169
17.9926408478	29.8803259996
49.4088631338	72.6935926994
12.4647477884	11.8497912932
0	0
8.7824490466	8.6391911603
28.454619473	19.7863683705
0	0
4.8150910067	6.0687021534
0.4336882398	0.4372793371
4.8391528253	2.4396113909
1.0064430585	1.5221651631
5.7910962721	9.6036984686
4.4686947559	4.5056971841
7.1328605938	4.1553334566
0	0.3576686883
5.1502579802	6.2314848016
66.3209969817	81.7301944698
0	0
2.1249843408	4.2851599778
5.9161992101	4.772150004
0	2.0988143456
0	0
15.2841438853	19.0687981656
108.052320373	155.6386187644
0	2.2298138966
500.6647888089	674.9713112943
3.4055471636	5.7229105677
5.1705232424	6.651499017
1.8040090043	0.1515789049
4.7969715657	5.2666204457
23.230187825	23.9430432226
0.8641868775	1.524849657
2.0922520144	1.171987015
0	0.886850058

gene_expression_table

5.2472324593	9.1384498027
26.3387240224	21.2454546383
0.316632483	0.4256724212
0.2400419024	0.2420295372
0.7527809468	1.3493586641
3.1021794565	0.7819666595
0.4050329802	0.3062901011
42.2338082431	69.80904858
0	0.6105079903
0	0
0	0
401.0701802824	431.5315363751
0	0
7.380355328	11.5891704966
15.4583614058	17.9842641881
1.1746300723	1.9739273988
6582.112590388	8402.256741934
0	0
280.2634415615	318.2500830198
3.1635979297	2.5310319406
0	0
0.9035497778	0.9110315006
1.4107649027	1.343421744
21.4791704856	26.2978171388
3.2873695135	2.2097267576
71.6318893032	73.7219193285
101.6493383026	115.4151211124
1.1450151503	1.2827736609
0	2.3277147073
0	0.2406330509
0	0
0	0
20.5630181118	17.2777395236
0.5331844009	0.4300794903
1.2958282449	1.0240591118
0	0
0	0
5.5012851818	5.5468378367
12.3017434631	8.9421348477
28.9113663614	34.549052512
3.0789545836	0.2822226777
16.738354032	16.7011521286
0	0
0	0
0.2163633487	0.1090774582
14.0455282055	16.994196384
0.0246105094	0.0165428623
10.4251204085	5.6847606503
2.2306366906	3.7485119648

gene_expression_table

17.6593636418	19.9003648878
302.5803829256	298.3276281878
0.9415535953	0.8363321461
0.4835512783	1.0360549273
1.8231934995	0.9732124636
8.2823952117	9.7428058881
22.3102770546	34.0995851912
13.0601151974	7.5247187037
24.7685375128	29.072355615
0	0
3.1231801506	2.3932713313
12.1533405199	4.5952404854
2.2413895275	2.7485866863
10.2955165614	8.4034782151
0.3193723692	0
315.7723241075	411.805984782
2.6646646003	2.8035433028
1.1694290753	0.6681636798
0	0
4.3010296847	2.8910958565
19.1495955808	9.010475246
1.4815108683	1.8257290585
57.4380457834	65.3563723901
1.0458462506	0.5272531202
0	0
1.014992256	0.2046793527
171.1188220492	131.9391018162
0	0
0	0.4853743974
4.5471546188	5.3489411773
0.8645978183	0.2905856682
0.4953665208	0.4994683369
2.1809261634	4.0314725555
0.0806984354	0.054244432
2.0508085739	0
2.7880129703	3.8819934956
0.740406156	0
4.1288240024	8.3260243527
2.4569621368	2.8489026849
3.9902873668	6.2489994402
21.047870851	9.5499697165
5.6281965506	4.2561000586
18.78541009	22.2933424909
3.3003579038	2.639199301
0.4233009218	0.521651788
25.2077861075	22.1217822731
3.1787085967	2.698972183
0.4513322154	0.4550694113
0	0

gene_expression_table

43.4754680847	72.6163190226
0	0
0.7991179835	0.8057349729
0.2949721191	0.1699511979
34.7140822896	36.6458946654
30.0398873285	38.2213646504
0.0732298554	0.0105480322
0	0.0932941291
0.008861	0.008934
6.4249425979	4.6702894814
2.9544566253	1.4298818916
11.8235790177	11.038409796
13.2202875441	17.1382581822
0.42611346	0
0	0
15.7602388355	13.2904365737
0	0
1.6271428773	2.6409919573
2.9320177142	0.8446559697
0.3981498563	0
14.017920223	15.8192006785
33.0325200889	32.9187618941
17.0566910628	25.6511449203
140.6442868731	126.6489044364
10.9167930194	12.3021513627
138.6162348346	183.0567878869
5.3557496198	3.8880699746
72.8581360229	93.3831712587
67.8634130789	78.6891490254
4.441865733	2.9857640048
0.2993316907	0.3018102667
98.5867058797	114.0390703024
4.8903131104	6.8679093222
0.4837462882	0.1951007538
82.829512477	77.5022644343
0	0
17.931139227	16.7567169189
34.8265938815	34.7602741511
33.6909622605	35.3853497496
392.3484608988	489.6553371192
84.647540253	79.6585560111
2.8220557979	2.3347064228
0	2.0632580784
108.7280614323	164.4425543666
17.3628499727	22.5085123615
0	0
5.0781280602	4.8001657681
59.7221301355	60.0715508682
1.1099533337	3.9969434055

gene_expression_table

3.7950579566	5.4664034651
7.6983458739	8.0252127242
0	0
0	0
0.1428607424	0.1440436817
2.7643014746	3.9817012894
2.4246969944	1.9354463786
13.8718177231	13.9866814512
0.3737621068	0.4845304206
0	0
0	0
199.8571292706	168.5603684732
0.753458207	1.1395456752
0	0.2218311227
3.3478573504	4.3882524851
784.2027248608	590.4415566342
11.9678941391	14.2609913528
15.5464275559	23.7711182193
53.5066987758	46.8654427178
15.4528144287	9.274267493
155.4172247554	170.7847977817
340.4548103218	353.3858451286
0	0
19.9667876473	22.9282477292
42.7516777515	60.8550738231
1.4589038442	2.124754814
3.0496001437	0.4392645642
3.7530045162	4.324663734
1.6776355103	1.6915269464
8.1538143997	6.0996971694
0	0
936.9752592449	1119.3041255494
8.0775043088	8.7959401211
4.3135351313	4.6599136939
1.1507873957	1.0313922992
55.2299749008	50.537028852
705.6885329165	656.9486238183
270.8219977732	299.2910372318
0.1451690147	0.2439517788
0.0381702924	0.0384863564
2.0713532655	2.4901403727
0.1640775433	0.6617446616
1.0882446216	1.2169563056
15.4817022622	24.692017979
1.3032898803	2.0441269295
0.8899420042	0.999860884
4.7430871594	3.7325749519
43.7931370515	45.0496015563
1.7484497635	2.4527687896

gene_expression_table

44.373377955	47.1519869152
1.250688896	1.924752983
0	2.0033697975
2.1146433096	2.3098327744
19.2466154864	21.5285140627
7.8542348999	7.5233072977
0.3598978042	0.9071947243
0	0
26.1657884947	25.5949149559
79.4334656032	89.1337590374
2.1158972951	1.6485500402
86.6340682251	73.4616266599
0	1.1123434528
15.9663551507	21.0175675979
5.9949449766	9.5705934159
68.604127954	70.7965912185
118.9078873421	165.1150933599
4.3817694607	1.2623006045
0.4608235846	0.8711988234
2.5544931389	3.127569265
7.4462336905	7.27326963
61.8397562624	44.0130438204
3.2237654375	0
15.1220464845	20.9276152845
5.8042794545	9.2830236756
0.7741111319	0.1951302639
11.0220532593	9.7241549077
53.8448756124	68.1790573979
269.6713776632	258.9049439633
0	1.084903846
0	0
0.9292894438	1.2649288057
3.0907374536	3.2168566617
18.5423333309	23.7488086479
6.7337596468	4.8092416626
36.1211969136	20.9974141934
19.8854028128	27.591827376
0	0
2.7427716062	2.765482759
2.8408459492	3.0235008153
0.2307072334	0.4652351475
3.0359320176	3.9793918396
4.1155432961	7.7805403144
110.4501782797	118.7890625952
8.9831614959	20.9455736477
0.1420838874	0.143260394
4.19735012	5.2195970489
1.3545567532	0.8194637874
4.3661865767	4.8577547031

gene_expression_table

26.9436234438	29.2564747008
0.7495307101	1.0076494649
0	0
0.1044688701	0.0526669553
10.9592284222	12.2510590671
33.8140629188	35.649223191
1.581963782	1.240604572
0.9098549869	0.5837929486
0.614738957	0.9297438309
3.1856027136	3.9480595737
0	0
1.1117171866	0.8095552196
4.3180179026	2.6122636028
0	0
3.3159791157	2.6747493092
7.6117039096	8.4422047644
4.1988295871	3.1751980747
0	0
1.6721816507	1.9035799173
3.7424799891	5.7141103413
0.1951351932	0.1686437006
0	0
0.8024965255	0.4045707452
0.4214195844	0.1062272732
0	2.4035276621
4.1473766957	3.2856359586
69.1356775479	74.9199702828
1319.5273779955	965.390074217
34.9290047281	45.7180745432
0	0
0	0
47.8718939631	61.8172846669
5.5368626722	10.8165004735
1.8993074677	1.2766896192
6.4765411376	5.5972879446
31.8496961497	35.3903032192
12.926908557	8.6892987276
2.2320161433	1.9289983319
2.4326324805	2.5098168601
13.4023395514	11.3897947697
0	0
17.6470527318	23.7242357169
11.8176838167	9.8127964647
96.228051331	131.387824232
17.270278248	2.6789665343
5.3041410146	0
0	0
8.2193362902	8.8793522177
5.6978179825	10.0537465016

gene_expression_table

0.8662020568	0.4366872634
11.6852575248	12.8531080736
26.2776449535	32.5819762965
3.8347373375	4.5109054273
9.411928688	4.9512328187
0.6515261382	0.4379473421
0	0
1.2272503616	1.753000962
0.6242703102	0.2517757988
359.1925365583	317.6222047392
0	0
1.3639399253	2.6358648736
5.2260483582	5.5792820662
16.8598684372	13.2808393117
0.1208903578	0
0.2659240837	0.1856257148
4.7472681638	6.3821030424
9.8682160379	11.5696842775
7.7052638127	9.5970817979
0	0
0	0
0	0
6.6905256016	5.8960452116
0	0.017132066
0	0
3.7699522482	3.0994145867
0.1665728207	0.3918882441
3.0593225671	0
0.1930476135	0
10.2753927507	0
0.0849569396	0.0856604141
0.0332917695	0
1.5940697069	1.8562827237
0.7098913855	0.5726156368
3.2489563572	3.7743591731
0.7844203094	0
5.0543324715	4.0138087902
0	0.071922797
0.0605198782	0.0261518593
56.1078877383	49.6853968707
8.835260979	14.8473669563
0.0294160121	0
17.8651111025	23.8407892431
0	0
25147.9603680069	15056.609127772
0	0
0	0.1368146795
5.1474395143	2.3591191807
9.4547178181	4.7665031711

gene_expression_table

11.5697967406	13.9987186709
4.9851179584	4.1886637998
0.1028744883	0.0691508845
11.0904044264	12.1762136596
0.1830833244	0.1435772499
3.6072702787	2.8206390262
3.6603707233	2.0239212534
7.8656353433	6.8492976353
0	0.1495330211
2.1699002475	2.0277799268
0	0.0539803848
3.0981176285	2.8113940588
0.9534695516	1.2017057857
2.566991419	2.5882470475
4.4786660183	4.9995814779
37.2554664136	41.1414748654
0.7831587698	0.6038451144
0	1.187667856
6.8128326173	8.2161562208
8.0286677244	7.7953277344
117.7811875078	125.5167885767
0.2790638363	0.0703436468
0.0159679542	0.0322003493
6.5651597164	4.6336651493
0	0
0.6464961601	0.6518493849
0.2272505455	0.1018365614
0	0
6.6291248309	5.1706542047
0.043080023	0.0434367413
106.0066002463	101.9963688023
0.3334543478	0.5603591197
6.1538696183	5.9421877774
1.3256112263	1.2623328962
0	0
153.8162638055	177.8677038159
5.6301586953	4.541422776
4.015269195	4.1750332528
0	10.5897856255
95.9165418678	71.2493032272
0.2893725221	0.2387197902
16.3835428858	19.1413005887
4.3622654201	5.2230840571
358.679128708	240.4682651497
351.3573708601	328.8174363229
0	0.1837766463
3.3111988862	2.403804114
164.5524007303	183.4309031494
6.9336215214	7.0773435127

gene_expression_table

6.4168967829	5.1079192397
0.10032838	0
14.9090936652	15.0325464178
0	1.4211310844
0.0294446948	0.008482
8.1420634225	1.2162196574
2.6534624921	2.4524812883
1.3940354151	1.5929890104
0.0311169253	0.0732073646
0	0
2.6077978324	1.8781366807
1.3772211263	0.3471562553
4.5794245539	5.2769644176
0	0
0.0804252699	0
1.5773829859	1.8886525995
99.3281251273	95.5982984342
6.3900298068	5.5685423764
0	0
96.2074369241	103.1092209566
8.5984679261	7.5509997571
3.0590398854	4.0901426343
0	1.7559953055
2.2092049096	2.1122825244
53.9143443072	69.7458997587
0.2818285758	0.1704973317
0.5363432763	1.6223531849
2.8879677669	0
0	0
0	0
4.1685386047	5.103710408
0.5771159202	0.2182104942
4.6143379683	4.2295876142
1.8092526672	1.4593871532
3.9451820319	2.1059203676
0.46803683	0.2178056983
4.5608119913	6.7701275207
0.6957085212	0.584557702
0	0
457.5357352153	703.6164721899
10.6520583972	16.1801339661
32.6587619647	41.2807942384
15.205466888	21.5597442928
10.0854039785	6.4026500687
0	0
2.5109660145	3.7231731356
24.4734497579	34.3319636587
0	0
461.7884627283	237.3203662084

gene_expression_table

7.5596849779	9.5278524207
49.2367394231	41.9476256089
51.428417202	83.2810895752
1.1027113348	0.7194272983
2.370620719	1.7926877447
33.3970131746	37.6021338123
32.0381565387	24.9617523375
311.8966354718	388.9171622475
7.0328518081	5.571567882
264.51532472	227.5092570288
30.6456507755	33.9139843692
113.2774470054	130.8560837818
11.5469373041	17.2482224762
9.5123340583	6.394066444
0	0
51.4841586107	63.0341376359
26.1513023678	40.6504272818
87.8829524495	52.2406103102
230.1124310613	125.757572109
19.792251297	18.0403490974
0	0.5222020761
39.7357183061	29.4892790187
19.0727831594	11.3814422605
25.8994414972	26.1138983526
2.5887721854	4.5678642916
14.4418222697	25.4824602272
0	0
660.9720438127	708.8713497093
0.9927830108	2.5025090438
1.3939904135	0
0	0
16.8218049892	14.6482190064
1.4331412747	0
2.365357917	3.1187728529
0	0
0	0.7938357008
0	0
19.1992610751	21.5091533157
1.1083615902	0.5587696149
2.433860654	1.5191514687
115.197638373	119.5345708762
123.0266040877	95.8531936272
15.2749692376	18.4817418887
0	0
12.0336633323	13.0666377361
4.1000524414	5.0789172052
0.3614832571	0.6074607846
30.933416295	42.3030763666
0	0

gene_expression_table

354.4302192017	396.4518314272
4.989358353	6.3821959051
7.4883853015	4.3957760903
0.9516106435	1.0604893098
0	0.1049957584
60.1967811883	66.6457455669
6.3578988424	3.3197462962
10.8702202171	21.450735112
59.5123109425	53.7976710744
0.0880360403	0
32.0250421129	25.3708880727
0.1129459378	0
0	0
10.1826374644	12.8336917871
46.2255179676	51.7869801955
35.0127065147	15.6900553511
5.3789658738	3.254103408
1.6244267006	1.2284081612
85.9098591681	107.0026887755
66.9847655043	49.119581004
0.0313481122	0.0790192151
18.3689491818	19.5499980713
1.1063883688	3.3466490084
456.4669973844	312.0077398008
0.3049216569	0.3458773348
4.465887199	6.191441272
0	0
0.0486829311	0.0490860436
29.2739659418	27.6879176995
85.8678424831	72.287676702
0.9393591045	0
4.1992549142	4.2340262819
0.9574716137	1.3367074557
8.7449044218	6.6129865734
7.2196176443	15.7720305619
0.0543936087	0.0411330058
22.5920493429	20.836714218
0	0
0.8526055192	0
0	0
42.2435915557	39.4383184777
6.4660022115	6.4308418102
0	0
49.1308218355	48.7188390063
15.5906988121	11.7898466286
3.7038565914	0
475.2644583454	414.6657485653
4.3364831702	3.8865696338
1.1173023199	0.9387949934

gene_expression_table

49.3365161501	42.6916392883
210.7431972474	252.5316023415
1.4053319676	1.4169686307
27.4651659946	20.3040190757
16.6670087973	11.9261416153
0.3238270569	0.8162711586
15.47159904	28.9708891512
0	0
0.5942725308	0.4793546599
0	0
25.5647700553	32.3858033262
6.2272042599	8.2541104662
5.3634327632	8.9567415416
4108.5690783913	4653.9133469812
1.0374135264	5.2300184504
1.5363931295	1.4776174104
0	0
40.2021914239	38.7009137551
3.6275133968	2.9260404284
6.5345042802	8.2828269761
0.0371278926	0.0374353251
158.329890478	175.8207428885
1.5556998301	1.5685815941
3.7239559155	3.4247000614
6.5725592173	10.4018458133
643.7360306033	794.1749009846
0.7004434393	0.4569810024
806.3448103433	224.8783260992
429.1743909894	617.7072102507
41.7262652374	48.4994061231
3.0721640605	3.923630091
1.5621719466	0.5250357674
0	0
1.1494845738	1.4901463631
1.0439736309	0.9868294825
8.0939358482	8.2809706672
1.737603301	1.2328827613
10.5803701611	6.3038060674
1.0502931144	0.7163755381
0	0.008485
0.0477574506	0.0343949284
0.4463115328	0.3802877371
11.0723943679	3.721359282
0	0
0	0
7.0739425316	9.8757932746
6.8671545238	7.8596950602
0.2450826529	0.247112027
0.2638579841	0

gene_expression_table

4.1962562635	7.3080957476
5.3662526206	5.6187905086
0	0.1298380855
0	0.9356252033
85.1311431786	89.3395728653
5.4304270322	5.1946035733
1815.3258914267	1573.4458356765
3.2191899672	2.9961655739
19.7121762199	22.7147431475
219.4575102078	226.1060240179
0.2310080674	0.2329208987
0	0.0729119262
29.9877347464	16.2809468587
0.0972690195	0.3922977703
0	0
2.0718406158	4.1779924289
0.1814688941	0.3659430459
2853.4424881075	3805.6288536461
56.6631736784	60.1570201404
60.2209352615	52.7996405631
346.0680751332	308.5838940828
0	3.7165944174
1.7926040627	2.0082749783
6.0795654774	6.1299065048
0	0
2.0646921141	3.4321378311
0	0
2.7300355957	1.8350941931
0.1387150377	0.0699318245
0	0
97.5612999296	98.1123047085
50.7427890824	18.020227667
0	0
74.2921944684	84.27078116
1.8383285668	3.0892510004
0	0
36.1547571196	46.869597954
3.9301331545	3.9626760955
13.6946833049	9.7097916231
0	0
0.4428325129	0.2551424733
222.7660295444	239.0087300758
2.7144574566	3.2796021374
0	0
1.7944329192	2.1572321499
0.0186554939	0
0	0
0	0
0	0

gene_expression_table

0	0
0.0524547672	0
0.9968509718	0.6142309939
2.5388174531	2.6207883573
1.0223696486	1.4603499284
2.1451732754	2.5234254446
0	0.0801308591
98.7385009795	131.3293127297
0.3990743421	0
2.3997143491	3.0507809133
2224.6756731958	2461.9827594161
16.2478439672	14.8930746021
84.3738011051	122.3644786492
12.3868136463	22.7370782256
9.4172463077	8.5232724344
351.2525609537	120.4877835454
3495.2344982885	2694.3622785945
11.2213628323	11.8009155151
239.7169112184	143.2307288799
807.904853755	886.923962209
11.07062023	12.4025433529
68.3056998786	92.1815809003
1.3385203002	0
67.9707463921	66.4248438494
51.9656651301	47.8397894355
0	0.0958400687
169.5228121544	115.4291535634
24.7200857846	12.575683013
66.6741366603	76.6378941243
82.3071888683	71.3184334142
0	0
0	0
7.7786048256	8.544066098
4.8894489972	5.5729704799
8.0227853095	6.005630735
0	0
0	0
0.0747125126	0
2.213553475	2.134844138
4.7495525439	5.9861007217
10.5465172051	7.215824226
2.4080489633	1.2854056712
8.0366418811	9.330944008
1.8501667988	0.9700531657
4.4005235947	4.4369615407
2.3266345924	2.0331133146
13.0834074609	14.3042994906
0.5214471008	0.5257648737
0.1720034974	1.5608497437

gene_expression_table

28.8514961815	16.8418088648
0.6147214548	0.2479246294
4.8046803941	7.0464944092
7.3470587894	6.3496243932
0.7154309341	1.1060776116
0	0
0	0
0	0
1.2029700617	0.9677641708
5.8115052719	5.6503542819
11.0822306673	11.6037646548
0.0290079607	0
9.7809418568	9.44227497
0.2941325707	0.395424128
6.0237276622	4.6075634243
1.1846396937	1.692136004
1.490382344	1.8032679064
1.5811062936	0.8439874054
56.1060843642	36.5758598785
2.3768022806	2.3166003043
0.2700583992	0.0907648605
5.9888132633	8.8563241494
31.3747769049	47.8284593545
0	0
3.7686764742	6.5997959121
107.3316074395	129.7642188917
0.3898994428	0.477369657
8.5239659529	6.52000156
2.9361347342	2.2638712388
17.4566358587	16.9871884306
62.2384639566	65.121889944
10.513046387	0
0	0
6.5137257927	5.4183210068
5.0921413652	2.7646263936
0	0
0.3769153015	0.3040290385
0.8859037906	0.5779784342
3.5133396638	5.0721176895
5.1717586936	4.8202025407
75.699462858	65.5840646348
384.2924696302	356.6578624272
62.0906055489	76.1408981627
19.043699353	21.77165271
0.7641201156	0.8474920409
6.1305892507	1.0302254623
39.7688454656	37.8704712811
0	0
25.4573056104	29.0698979923

gene_expression_table

5.7495956374	4.637763515
0	0
14.5401408166	16.1771459361
2.6470714318	4.0924515666
46.5605351007	46.4301824573
0	0
0	0
6.9394300004	9.795647429
95.9014062588	98.3709221705
0.5788032241	2.917979633
0.3800174953	0
0	1.2268217413
25.6392050446	35.1315352176
558.7756051218	649.0503533329
0.2334716788	0
93.9028160954	100.8284414833
90.7736835566	141.6463330309
1.2098434695	0.6099307081
81.5812630582	68.6270276685
19.4515036193	11.9854589488
713.5045748396	644.6925413286
5.3836695999	5.6576109613
0	0
0	0
0	0
158.3297265873	196.1046596432
1593.6114255069	1266.6615301604
1.8776970555	0.6310816915
3944.8286348173	4217.8538972191
0	1.068529446
16.1778613572	24.7489682314
129.9595260832	122.2017752556
36.0127304231	38.9678262572
30.8649988506	34.677209177
3.7470031702	1.889014864
889.3608907988	1040.9809053975
231.9430478961	269.2379504902
34.0185824006	32.5852552787
19.9700304723	21.2859833274
14.9299927761	22.5804278715
12.3700885033	14.5088467293
0	0
0	0
1.2906964622	1.0717279188
201.833423693	191.4652794084
15.871916826	15.5708193471
0.9548026983	0.5589922147
280.7782261563	395.662265376
31.34140307	42.7768569617

gene_expression_table

13.1248773773	14.4366067265
14.0394856699	20.2374621166
28.4958738208	35.1016226053
2.7175794861	0
0	0.0992786743
0	0
1.5328327809	1.0303501316
4.6068531535	4.9236995589
0	0
2.9825734847	4.0812953866
9.0027143972	9.0772601676
0.5429384485	0.7664078487
0	0
1.1249794981	1.4436478511
0.7491243723	0.1258878994
342.8656030784	346.6730161483
0	0
2.3868948693	1.7190423089
6.3019994907	6.8191225254
17.3867393259	12.2183721667
0.16364559	0.4537517473
4.3516624835	5.5843401621
9.4092292454	11.9167748058
0.0155153906	0.093863182
0	0
1.1289454964	1.2312155031
3.2247972075	3.3443997004
0	0

gene_expression_table

LZ3_U937_0H_R1_001 trimmed (GE) - TPM	C1_U937_24H_R1_001 (GE) - TPM
0	0.1121412914
3.1100517472	2.2463533751
0	0
1.1206796055	0.2977300398
11.6550332553	15.2342053968
11.2772250917	3.4953464268
4.0683476776	0.8106259653
6.73193829	4.0240542897
353.8780633523	101.8490388806
15.2419022604	15.0291467352
0	0.9701715116
2.2410888758	2.3544899368
0.2927842873	0
109.5662922036	76.7795398137
183.9569023282	54.2274813308
0	2.3505265786
164.8126546759	53.1615848918
5.4536524615	11.1079835245
5.8870891307	6.4966909174
54.2098188618	22.5029351728
22.0230405839	20.1211927768
28.8940123637	11.5143731657
0	0
27.9194577369	27.5115870344
0	0.7752969243
457.1356375234	482.5050655019
30.9872680462	38.0746756963
277.9962490212	126.8304966382
0.3438320216	0
5.4090102818	1.4122313756
25.9114678654	11.1966700197
1.260655827	0
30.3061888575	14.0196064267
13.4767668401	24.1674414164
2.7380826618	2.9096967801
0	0
11.7237304287	8.5462516452
1.123350701	0.7162552022
1.5864043372	4.0460040066
28.6026258138	46.7858586853
22.8334849849	21.5508081135
21.9460819322	14.0724600173
4.2246347432	0
0	0
0	3.2765956074
0	0
0.2608185777	0.1039371893
0	0

gene_expression_table

7.9694181887	4.9622551218
4.2305944949	2.098783305
0.5990077716	0.5171982002
56.2820244492	44.2617495087
0	1.0758595473
0	0
0.777792185	0.1549765632
15.7103604514	18.4973396506
37.2788214101	23.7692020334
0	0.0227661413
0	0.0615008297
87.6356916075	67.1179374149
21.1063546853	18.7071399283
0.252456741	0.2347449201
0	0.145717261
58.7780682581	38.4072939703
1.7088012074	1.2381158938
7.4644622783	13.2866200923
29.6386837797	24.3761568385
0.8141966455	1.2978417657
8.2729844046	11.9767127863
0	0
576.5573159415	1158.9830350936
0	0
34.7344259196	14.9794822441
2.0655147417	11.935173787
4.8372793692	2.8590222856
21.3780340943	7.7600883338
0	0
4.5456887937	3.3210359784
56.074695998	27.8748802163
36.0830720215	36.6263676139
50.1720741742	59.9812837275
1.0390235289	0.4968657654
0.3360453702	0.3048711171
22.8514333839	27.0431968038
2.1959470608	2.4410494691
0	0.0416935357
0	0.205514991
179.6123244227	125.5847585026
0.9631531279	3.8382016284
1.3368741775	1.8113480076
914.9363823691	916.4746391275
0.2401556448	0.2871087972
0	0.1657124363
5.4843116372	12.5667338004
1.3650055239	0.6527518343
6.3509876381	7.8227588984
0.1836438268	0.6220534537

gene_expression_table

2.9254900515	2.5259408326
4.5957405492	6.3561046498
11.033167575	5.8623453219
22.2015357259	27.1923159053
8.0326714716	7.9292062989
5.8985697467	7.63945762
16.8402681489	17.8957613996
0.7846860452	0.9902177929
0	0
1.0444114788	0.9459134611
1.070780691	1.1160111711
62.7947195441	31.670915386
10.5180579017	5.0739039105
0	0.3841794137
0	13.5021550282
9.3640332376	12.1277086044
0.7227372794	0.6120287688
1.143178376	0.332909892
89.2210206325	68.7603844158
0	0
545.0706969943	194.1049958802
9.3003371139	5.1381679451
1.7142126786	1.1505182876
13.0728112137	5.7411529266
0.4818320685	0.6720416533
0.7861321883	0.3132766492
4.1151285221	2.7331571233
19.5179150238	20.5791935798
0.8013482275	0.3193402983
38.3372587035	55.3810916854
6.9090423895	9.49881432
3.0395385494	4.617957738
187.2474710957	267.725784751
13.9469997079	22.3689613421
8.4454675053	11.4428724833
7.6932683285	8.7594186132
66.594833658	29.1921222844
0.773682705	0.7359788948
1.5345408766	3.3911582541
0	28.4541462023
2.2865013333	2.2001649551
0.0804592457	0.1030606509
0.2068154939	0.8241675624
0	0
28.223179693	14.9503387233
0	0.2595563428
0	0
0	1.0999081725
1.2601291744	1.0043324803

gene_expression_table

1.7234847021	1.4985058249
0	0
0.4842826708	0
3.0363423133	0
4.7569970967	4.2126251726
0	0
0	0
0	0
824.1806940157	1292.9032124637
4.0287152082	1.7569165664
1.2324728255	1.3097202148
14.2244169002	3.2121408838
0	0
0	0.4870230665
1.7986646729	1.3273605043
15.6058569451	7.9314693247
10.5107885568	15.0211466787
0	0
5.0883162008	5.8091244267
0	0
8.5771197102	32.1863044494
0.2389976394	1.0476560915
2.1643640922	0.9703206827
11.9127334744	12.5011425629
0.4007121334	0.6387412005
0	0.0797828428
0.1261107594	0
71.4488150469	70.9690750409
0.7922423564	3.1571157424
1.1771110896	0.0390902683
0	0
13.2373684237	6.8845065246
0.2686710622	0.6959318214
5.1816927771	4.3363407401
14.1172661779	20.9404180161
64.223541836	20.6715311086
0.9350659602	4.4715278437
139.4375630021	113.8071105729
4.8382294388	1.6526166198
14.5682574988	17.1873523749
94.7146517018	76.6838095377
0	0
0.9243815974	0
0.7742643351	0.7832353644
0.9013275469	1.167342914
0	0
1.9714962135	3.535419126
5.4328378867	14.5055431321
0	0.1613417994

gene_expression_table

20.1354112626	9.482953425
14.020401359	4.9663848427
5.8734240288	5.6173960343
12.8627107999	12.5816045321
92.8546892215	299.1788475209
0.2526107775	0.6039980992
27.2902811555	25.7278057682
0.5690855552	0.8012990333
2.5235520338	2.1861848396
1.1699690782	2.1563465918
0	0.0383007762
6.6157050857	10.1194517739
0	5.3883920694
0	0.1218763944
1.2929625208	0
46.4362981936	34.4360714034
0.8942253642	1.2335268061
0	0
20.7142489667	13.7578442116
0	0
0	0
2.9577506268	4.3218076259
1.951064894	0.7176985261
31.1730536335	18.0373050288
2.0269486845	3.7694846654
0.3140179571	1.1888047596
0	0.0500234682
13.2116691231	6.4714396995
22.6431361359	13.5350630346
1354.0322541668	2524.1081864934
13.1774072899	9.6022795419
52.1774782373	27.628951607
237.0277072525	65.5291534905
31.0948048581	18.3177177407
3.8797921922	8.919876097
29.3096391094	27.4540253083
5.7553023662	1.5726924013
86.7705974781	112.8691533635
79.3770675579	47.0252037575
0	0
0	0
0	0
0.3116955551	0.2484237143
0.1202398818	0
2.7150066096	3.2928620823
1.0150333837	0.6471914254
0	0
31.8546112674	27.89013934
1.9184352288	2.9164400088

gene_expression_table

26.8029547063	13.3299863219
60.443568892	64.3232138564
3.0053521295	5.1703175828
13.4540852802	13.7534229186
0	0.123839834
4.0594310083	2.2243355808
10.6728849285	7.9672338633
0.0415510041	0.0993493933
13.6498283304	14.4535503471
0	10.9720839025
11.497889592	2.4437079851
0	0
661.2696474578	477.3490954457
1.6495448905	1.3146997505
0.4359934016	1.9111952078
1.9501915994	10.8802221555
590.8776281515	204.2102914668
0.5678290829	0.2262820363
0	0
3.7824756051	1.7585526338
652.6298320557	375.3184716412
0	0.4676688261
405.4286568104	102.3244066031
0	0
3.0659860397	2.6592270616
3595.6233659215	1739.7236129126
31.0931325421	18.6480499607
4.6605455912	4.7571539571
5.3927719431	2.4176700086
7.7633906943	4.5439314218
10.7045497829	0
6.4001468421	4.8459171555
10.5742810731	3.3711127884
24.8102738015	10.5147331735
0	0
2.9208361387	1.9399404067
1.3746077253	0.4481888527
1.0445594364	0.9460474648
8.3929647305	3.1478853422
3.5365085749	7.7512162062
2.1893588871	1.0905847422
0	0
0	0
17.1940009687	16.5750104312
1.1070531688	0.9224356439
15.1210447347	3.253928487
43.4671178815	32.8202731149
1.5243775038	0.5315364236
3.1573932922	3.9388168612

gene_expression_table

29.5893966385	9.9155681328
19.3918345325	8.7184526286
39.9178429	31.9353333155
0	0.4635401958
8.150829742	8.769968463
3.2714427821	2.583661319
8.4270493042	9.4749524857
26.4304726847	26.2887926013
848.7804864426	882.4920806565
4.276709234	6.208466052
23.2385234125	23.3529168413
2.0448115869	1.651174116
43.176798652	47.3168231253
16.5417560004	7.9103427661
6.172271755	5.4727738261
1.6516054336	1.4958432033
25.8985209118	14.8042232541
0	0
0.4834040064	3.1303727673
81.873717057	43.3101581214
10.2335720051	14.5180969963
3.307617009	2.4897404459
0.3897229995	0.9939589678
0	4.785123295
125.3807255732	97.6080178405
4.0904154294	3.3227861037
0	0
2.4576185675	0.6780255858
1.227903665	1.1009795688
29.1417765541	14.6164981665
7.0057348724	3.5735191463
0	0
0	0
16.9364551797	16.7818975855
0	0
0	0
0	0
70.8954158125	55.4513095018
54.0883111026	32.7961291033
6.8474265296	4.0930880399
8.4221434425	6.4260023476
17.7685636604	7.3821521275
101.2494279162	90.7836295845
0	0.1596792394
0	0
0	0
90.6030487185	55.697874678
0.4030027474	0
45.762298324	22.7617899162

gene_expression_table

143.0418219118	79.1057972277
7.2261206183	31.6760002457
0	1.3582401162
1.4157178884	5.5476611538
0.6321206013	0.6297561237
3.2634093115	4.7374663124
8.6311996274	5.759272772
24.0202509566	22.9486419632
0.4248606472	1.1851600193
37.3324800558	20.7755577919
6.1837184442	8.3917197975
0	0
1.0288322588	4.5099289927
4.9400211813	5.3922990606
122.4379990005	153.1526839289
0	0.2418527067
0.1752026656	0.6981892462
2.6940333956	2.020861164
0	0
3.3423373117	2.9511480042
0.4445719914	0
0.0107974323	0.008606
40.9243346572	21.0527935972
0	0
7.3660298087	24.2169735003
2.6122195703	4.9599605501
1.1177134321	2.0785941326
221.0197390737	78.7179543923
9.4609896726	15.1724712969
3.7407005728	3.5686055251
7.8307092593	0.3120567245
6.600593439	11.6650811692
26.7860457318	16.1772613688
18.5426008188	9.5005241097
8.3854576332	2.4354300422
2.9407109116	4.9107537438
3.059951483	3.0485055866
1.2462154627	1.7381755069
96.9645549608	125.8584159627
0	0
75.1323699412	46.9260284229
24.0406078356	12.8488368798
20.2593119531	17.1170202966
0.6153922779	0.8583265227
0	0
9.1190586913	4.966438465
114.7202356134	46.9520272766
0.8641180457	0.5165314622
11.3533103758	22.2985186031

gene_expression_table

11.8173345869	17.0507418477
0.1179344828	0.6932107247
43.5428732673	17.3519996183
12.1739494664	21.4362634589
4.9525221528	5.4978823762
0	0
8.4437667745	14.4208842117
0.6536864012	0.5209930045
90.218234832	93.2816631333
0	0.0569368433
22.5845253569	21.6000449745
24.1219243488	28.8380341502
246.8065332342	217.0556393667
2.1090259745	2.241212865
4.8063178251	3.5709650963
27.4002037424	21.838169565
46.6481551788	37.819948476
55.1950586769	26.6260584112
0	0
49.1410951041	30.8657821199
38.1353886906	32.4548164049
0	0
0.2512536004	0.0500627548
16.6197849061	7.0015069544
341.703164745	290.4960064384
1.4845957684	2.3386273047
0.5521055446	0.2200161468
66.2701542568	106.6849886116
0	0
0	0
19.3713068318	20.1379278496
0	0.0885342753
3.8586850232	0
3.3135950106	6.4043286757
4.2707775984	5.9567235678
10.8958439854	13.2148891967
84.8995979901	43.732997136
56.5651651776	90.8453698814
7.166260984	8.8141422697
5.0641837149	2.1733345377
2.8699068198	6.8620123072
7.2338388101	8.7611838776
1.6860082602	1.0078209989
0.36803187	1.1732967329
4.4898197769	1.4313681245
1.6736796819	2.0009030426
1.4781046165	0.7461050187
2.1985160939	2.2428594567
0.1246898183	0

gene_expression_table

218.0709986748	225.945505309
14.1750737761	3.5410516511
0	0
1.8990682135	3.1967678689
2.5994151636	1.2948459628
0.0531632401	0.0264821902
1.546002246	1.6546356445
0	0
0	0.6487757832
13.6295973777	25.1821591169
0	0.3363406666
66.7167026595	68.8304218976
149.7775900757	252.0115071541
9.4973860965	19.1940602059
5.7975630002	6.2709521015
0	0.5477523367
7.4896639552	7.5973148417
1.2619215911	0.8046088399
4.7676487602	9.4996302792
15.6164756869	11.7826385797
66.2166341665	28.0576789991
0	0
0	0
0	0
0	0.1594522933
122.5770462897	46.8671157062
24.0726514997	11.9913032918
51.252224172	106.3958591273
0.1093522906	0.2614638075
189.7517648579	141.202791942
0.4163202927	1.5760995009
12.5771359134	10.8340984774
0.2202705354	0.5517514584
5.3076242502	4.4946052014
64.30459356	23.1457245854
843.8953652386	353.9548459384
42.3352871112	43.1141950334
1.3324955476	4.2480361074
0	0
1.3117515425	2.2446982515
7.7641935822	5.4146058686
1.0486916363	1.0238735754
7.102794186	9.9123998931
1.976849026	3.9389090534
13.2755262161	15.4301798802
36.3649164383	44.9737966068
8169.4271198848	11519.2893211614
0	1.0205643009
13.4154663498	7.7761659052

gene_expression_table

0	0
0	0
0.3046725892	0.1214131786
1.550262072	0.8648994154
2.3972212133	2.2290373387
356.1903379471	317.1915001347
0.111020277	0
0	0
3.614297235	4.801037042
42.0239982353	20.4682159925
0	0.6086566315
29.8472750758	10.1227676259
511.7209984549	422.9859414487
28.8497419756	46.5690379692
86.8719630814	61.1250838854
8.6514384758	10.8623988548
13.4875275929	25.9783485654
0.1245926975	0.893711898
0.593269744	0.9456809437
0.8258665824	0.4936664331
0	0
1.5578716324	1.862453206
5.2587322253	9.2025257393
12.1217760939	13.3683315958
707.2991630072	614.4280047392
5.0724033744	4.3796391639
6.1102086201	6.7318963577
0	0.1149965494
4.953119634	3.4401157405
1.5338872142	9.1688978096
2.5295425975	3.696118391
0	0.6583957371
7.2136124152	6.6436397612
0.2769162348	0
6.4232431662	7.809213618
8.5940830212	14.8199336169
3.5528730349	0
7.527530997	4.7995992983
0	0
0.1318232581	0.0262660334
0	0.001865
0	0.1080328108
0.4610776267	0.6755190346
43.818767431	33.5080556345
8.8983819681	13.6560219779
0	0.0484758783
2.3021408672	2.5653553281
2.0010550441	1.7250483274
7.1365851947	6.187948614

gene_expression_table

0	0.033870302
29.0973608072	33.2297942248
37.349158809	117.4164944787
15.6939822232	21.686333814
0.3405644661	0.4750067956
4.3360770823	3.9271434331
9.3661573076	8.0586969149
52.866806943	39.9176004103
1.7299750934	3.1238510688
0	0.8396245592
7.0236089636	4.6648912099
13.8826834934	15.7906907303
0.8110909228	0.5925751318
0.2248423947	0.1792010887
2.0369702575	2.3224793311
0	0
10.6946097147	5.2089184939
33.3565947025	31.3022330402
39.0379466119	38.0542510923
9.5171241454	3.367576079
0	0.0240815479
13.0956567877	12.6245736437
2.9560023025	1.5460962473
0	0.1659624757
9.3850803666	16.206623368
31.2216035333	19.4246412055
33.2375215946	57.2571466972
2.3993050784	1.5776180388
2.0299203929	2.7301419597
45.581945389	59.5886751921
3.4059206637	2.3565826072
0	0.3562183122
7.8469698081	4.495130257
17.0474622278	7.1070232939
9.1931053843	3.2971385266
0	0
0.1944158191	0.3099017557
121.0393450375	80.5898642543
0	0
1.03909186	1.4492871214
0.4977657287	0.1983615248
0	0
0.1558029283	0.062088056
0.0224750134	0.0134345667
0.426037226	2.2919955109
0.9311280156	1.7934471669
67.7772276351	172.1854442817
0.1962085307	0.2646425397
0	0

gene_expression_table

0.3102436187	0.2109037879
6.3440444214	9.6700807515
0.0167003006	0.006655
1.859955707	1.4487078813
78.0967379487	67.671919498
0.09037174	0.1800674003
0.3468609121	1.6932609642
1.8841895955	2.1340137145
3.4873096724	4.8809189461
0.5666861097	0.5871490486
14.6082658807	11.1822081419
0	0
0	0.0126189603
0.3189993193	0.0317806087
1.8906773438	2.2842450045
0	0
4.1497107933	4.1341885995
0.0465566061	0.2782947531
4.523291441	20.0082910176
0.1813761613	0.2457488925
0	0.0128736934
0	0.2253769324
1.4358123071	2.9048967507
0.8947025456	0.305607726
0.0778738823	0.3413634016
279.2780191349	189.000393527
2.2258828217	42.5770905494
0.4255478019	0.6571318306
0	0
4.2711478436	7.4161558837
0.0360752309	0.0287522318
2.5435108926	2.9486507836
32.3517002032	42.4295054662
0.9533335341	1.3442863699
1.4886297551	2.1751568133
0.687059887	2.0991023792
0	0
54.3538844397	58.1242101393
0.0639906307	0.095626906
0.6708837558	5.3469942616
0.1423012769	0.008101
0	0
0	0
0.2520228267	1.506480739
4.1975497136	7.2764165223
8.589113242	11.6232382964
12.6572848955	5.0439758839
0	0.0241025526
0.1386977291	0.1959628371

gene_expression_table

22.0101828413	45.5970348557
0.0506235407	0.1311288702
2.9442670352	3.358863246
8.8125353103	7.2870444247
0.9861723305	1.4596897793
0.1217372911	0.5821532488
21.4483656908	15.6699671645
1.2695567907	1.156395842
0	0
0	0
0	0
0	0.004085
0.1315362466	0.4193415325
0.5369321978	0.534923777
15.8336498763	15.9945315765
140.6454940739	105.6415376313
0.5608719181	3.4085210925
5.6015966853	6.8280816328
2.2438125063	1.8479467182
0	0
0.3195351727	0.5093438976
39.1013415679	36.3580757029
6.9566588467	11.8450889098
0	0
2.6233174521	3.9915346134
0	0
0.8527411836	1.1893720496
0	0
6.2935095221	10.1605640883
9.8844099308	11.8708827393
1.2250006931	1.9383117652
8.6016834697	11.3803072309
0.555241518	0.9403798375
6.2670377255	3.2823473844
1.8460799859	4.5121084366
7.8173729903	0.4153670255
0	0.1730909553
0	0
0	0
0.5059115499	1.0080383266
0.6548506729	0.3355206029
0.9499583591	0.7841641378
0.7927389708	1.3122393658
5.9178527189	4.0229596339
2.3686263074	1.9140327031
0.1434005314	0.2666797183
3.6670730339	5.1709041176
0.5302229247	0.571741685
0	0

gene_expression_table

0	0
0	5.409384455
0	0
1.8299693379	1.4013033444
0	1.2890271316
115.998197047	120.6329098428
0.1984636788	0.1878352501
1008.6153094983	1383.3781352543
0.2732363884	0.1306628806
5.4083341661	8.339847978
13.4178702162	10.422259002
2.1277282888	3.0242043701
12.2426225399	10.0939269672
0.0578778955	0.2306456017
0.0246601082	0.196542927
26.711963775	16.9741701258
7.7882180336	6.3222180818
1.1066583142	1.1340193426
1.1099576537	1.1058058035
0	0
0.3899259555	0.1864643609
0	0
4.3076988645	2.1457928544
0.9791550031	2.1610909142
0.1752639531	0.2793733917
0.1509412915	0
0.9517954051	0.568941101
1.343805327	2.3367774689
0.9322174149	0.5572382463
4.6025279192	4.7798403265
2.8283879887	2.5762818439
0.4719534287	0.4701880641
3.6900365237	4.9907658369
8.7277156513	12.5419786169
0.4417297969	0.3520619882
5.193146927	2.3129579409
2.6523054436	1.8357617707
1.3615877287	3.6431570439
0	0
0.030322348	0
0	0
3.1244754565	5.6509078185
2.2621000304	1.126819268
0	0
18.5915812738	16.93443526
0	0
0.6970962755	0.7550339265
5.4687191004	4.9995826024
0.0891153532	0.7457689087

gene_expression_table

15.9488816729	14.6180861814
62.1543612813	55.7296829004
0	0
0.6717588587	1.4723414469
0	0
3.1023340884	1.3789409243
6.8328421074	12.0468290372
2.0523073555	2.6482834446
0	0.4824573561
19.31709803	46.1876195793
15.6469757118	12.4707579545
0.8104838188	1.0766028865
50.425538313	76.5146922442
0	0
10.2538483133	5.720676247
0.7907248042	2.5208545916
12.0201181383	6.2639279137
1.26473342	0
18.4590089635	17.5594477289
0.4228949998	0.674101025
28.1690625361	19.4727678179
0	0
0	0
40.6031571074	47.606660839
16.7831468252	11.4306520249
1.3632077246	3.2594605926
1.9568064619	0.6628255571
62.1668292356	46.8794942673
2.416978531	2.793207739
151.9044924222	119.3875147697
0	7.6039352748
3.9185699671	0.0975978092
5.2613590986	4.9029856435
8.611350732	21.4478488962
3.2501335018	3.1454626141
19.0697718532	15.049744984
0	0
0	0
0	0.208331415
40.350890757	8.0399912601
349.2173262397	376.2918383481
10.6781588959	8.8651806054
0.1745249326	0
0	0
3.5095803302	4.1153648704
0	0
2.2950333878	0.9977230711
12.306667038	9.5749708108
0.100431528	0.2801564052

gene_expression_table

0	0
0.6807139109	0.8680546146
41.6895090385	36.9904134391
7.2724650105	6.4957521412
26.9105935277	46.9173830164
2.6385160196	0
0	0.6813472221
17.0788882666	11.4693729721
0.8337596313	1.7562122164
0.0952884276	0.2658095905
1.9086908801	1.1633019899
1.8066371659	7.6979455376
1.3359675641	4.0171103987
0	1.0451894317
17.2615605432	12.4837429519
13.3806872286	13.0343997631
7.9531420197	8.2403286239
0	0
3.3293479102	4.1461179044
16.4865111381	10.3526280293
0.082283006	0.0983702669
25.478309605	84.3843957958
81.9514237442	143.8586203091
17.581475734	20.7686292011
0.3491611828	0
3.3926593633	6.8275372932
4.8779396113	3.6385397056
0.6018355853	2.6681505366
0.2252345387	0.2692704456
32.9618296111	37.8974436319
2.1796969595	2.5390357081
0	0.2403449808
0	0
0.2991241413	0.1788031518
6.4165793948	4.876198933
1.4997318309	1.7929464138
1.4671709784	3.2599959228
34.5504535454	38.5517618128
1.1089242624	1.6471209957
13.53596217	8.2283371013
0.121579048	0.1816864135
0	0
0.899981557	1.3833490616
0.9776353762	0.3895913935
21.0129093191	21.9270705862
1.5215751489	2.8411990201
13.7746137691	12.613562803
5.1400125132	5.9668289603
0.0611962463	0.3048366939

gene_expression_table

0	0.9051899387
0	0.688661644
0	10.7188503437
0	32.6135562784
0	0
3.1505109589	2.5109810563
7.0585347697	1.7580329948
39.119621765	41.9600312661
0.8126791318	1.6192785324
2.7830136347	5.5452072755
0	4.9086377131
0	7.1459002292
3.5118198525	10.8275054091
0	3.5729501146
0.9554899685	0.8159279247
3.7255142294	21.9725462794
0	0.6866011848
0.0607378514	0.0968170536
2.5406312573	2.0249023227
5.1375655873	2.7149499546
0.5760236918	0.7651587298
1.0569517168	0.7019987586
5.6520710558	4.0120370628
12.2721458455	6.0800767501
54.9585606925	61.4646418325
14.9462837712	9.2974057987
0	0
47.3736723761	25.911786828
490.7117034091	246.1966336682
16.2975204943	30.7640062067
8.8812859406	12.1749375245
1.3687750841	3.2727722753
157.2978362648	546.8159745012
0.1793479553	0.0357354191
0	0
0	0
0.6114998942	1.8032691459
2.0127663813	7.2188551131
9.5016231391	6.1130359954
0.5808088366	0.958883
1.6209427497	2.1531727134
2.3860824648	2.2373244311
19.0738251551	49.406444335
7.7534003634	7.6140498461
0.6066351335	0.3384449519
0.7093571339	0
0.2316058585	0.4037941697
0.955529811	2.5131627988
0.3739727252	0.8792743146

gene_expression_table

0	0
0.5579959043	2.858958996
0.5914346639	0.4713778992
0	0
10.7268463964	17.0987553746
0	0.5669056776
0	0
35.5466741527	0
13.882133101	0
184.5231849274	388.6754160218
144.9825024429	425.4420094293
13.882133101	0
0	0
25.3288042545	45.4213091488
193.2697889857	57.7640562002
15.7103604514	0
17.3926890006	78.5519263246
64.165491633	44.3216644075
1.7066540937	1.0201621629
0.5995350298	0.278736472
1.4430943002	1.329869111
132.3973190788	53.8160488476
168.6162700083	166.9578763798
0	1.0754470245
282.479590656	245.5602129446
0	2.9202791022
0	0
43.7042343328	34.4620455958
20.3942745312	13.869235807
4.0055439893	3.5416229394
3.4763614947	8.1735248719
1.217899547	11.1627642012
0	1.6970663739
0	0
473.4669000189	462.2349254337
179.2405497474	159.6846684873
3.7281746845	5.8877412084
2.9521173937	3.3724325015
0.5753017396	0.917039673
5.4573028313	9.2008899676
7.6782810528	12.6764138328
16.4662347769	44.2212089504
0	0.8239617626
1.8136681366	3.3728501769
8.5006027491	9.6493060409
0.6370602355	0.7616127371
207.0071024185	90.9737133351
14.5971133403	4.8475040441
0.7977152309	0

gene_expression_table

4.195028879	4.761911443
0	0.8385451566
2.2700343436	2.7138518045
6.7653714985	6.2907276128
0	0
75.7154135132	41.323724957
0	0
65.759047915	43.7425749078
5.4629886927	8.925788756
135.4778876861	82.2994671344
14.959067975	16.2579413
9.6014319059	7.9647572503
29.5016110034	38.6285115681
0	0
634.9846868453	442.2354233297
4.8375351205	8.3536961501
0	0.5038380829
1.1380847858	0.9070621797
3.7997788767	3.4472810328
0	0
100.4522064614	126.6541429828
0	1.006254188
4.3112255227	1.7180396701
0	0
0	0
9.19913674	3.4502501363
27.3353892857	51.7429658882
433.4810979121	399.354076548
0.7702168398	0.3069343226
0	0
0.7517480889	0
751.7214437542	49.4854716562
0	0
9.0810439375	0.6893010174
2904.3991022225	4943.7625517166
0	0.4381761975
6719.7835723844	3579.02478296
0	1.4562647144
7.4510284588	1.1877052043
2.2393386835	0
3.2213737659	2.5674592493
1.9330517666	6.932955935
93.6528684045	46.4237104542
204.6128345881	193.7646922873
103.5819545053	95.3031569897
0.1505216425	0.779784767
23.1425942696	10.9516134317
3.8092485887	3.8187186597
12.2895782822	11.5906160663

gene_expression_table

1.9221415063	1.5319613145
39.505867884	51.2426952928
8.4214675229	21.8139132033
1196.1403112502	726.3488552317
43.6576786669	55.6106651916
5668.9927803743	7828.377304876
0.4763322134	3.9171984229
154.974311525	63.3570042037
0	0
105.8457256319	192.9930385716
11.3787577285	8.9050591541
397.2686861385	253.1315985942
3.004643781	2.1770216478
26.1779033623	22.0861451494
3.2561336777	2.5086577232
0	0
53.1188036395	39.2722922971
0	0
38.2846033629	24.0443372702
0	0
41.2419976357	42.4181897776
9.3190883578	30.4058527832
60.661740755	34.1972711197
414.372658694	165.1290710961
1.7314247189	2.9899102845
788.1364159788	1105.959099647
38.7110450235	16.2835254509
6.1979733772	7.0569023523
0	0.1836902115
1.6439688134	3.439420884
289.9718785377	126.2815041364
6.0497176227	5.7860048271
1.6241471056	9.0612026674
5.000171556	3.9851745381
87.8316324737	108.1149339301
2019.7589026603	2299.6615964381
269.2517782031	185.9829427148
1.8755306846	1.9930828495
4.9620991837	17.4012545061
0.5177842627	3.9204407385
56.1306945675	47.4644287249
8.7851309908	6.4632146096
22.1034277736	16.9390375646
81.6331354073	62.1427673087
32.346073216	13.6792181276
0.5665948706	1.3547411882
43.697446907	71.0663045274
286.2625331709	181.001700083
27.4128197945	15.0206544495

gene_expression_table

1.7912154716	2.0429623933
80.6801337063	52.0267110785
32.5855524675	29.572739754
17.6968768485	16.1981880084
1.5392124835	2.0957218126
0.5467444638	0.4357594718
15.0135346072	9.9028142933
11.5111426111	17.8246801043
8.71363605	8.2075308766
197.9781614089	273.0801734493
11.3936566192	5.7511926353
126.446610513	98.5558406109
3.5240544173	4.4939168275
17.8573484013	13.5013231208
2.0052684162	5.2940841738
13.2755262161	7.0537965167
8.5737160913	7.7651324472
5.1336553481	18.4120295839
23.1521101389	17.9096889934
7.6584058707	3.3836323557
6.8960112502	4.4656406515
128.9055216526	116.7484948361
100.3585612812	49.1345840574
0	0.2896886842
0.4029681371	0.2141124348
8.5318912424	21.45772045
2.2367292846	2.139228183
145.8838683793	56.0465806417
0	0
0	0.2234428074
0	0.3189952619
1.0587802155	0.6328918781
87.0731916865	45.1505009262
12.4350556223	12.5537222518
251.9995689553	214.2824128851
503.6065264794	312.424119862
2.3222945679	2.3556735113
24.5304196347	2.3778158025
0	0.042431519
0.9286095719	0
0	0
0.1884166588	0.350395504
1.2134201739	1.7730259318
0	0
0	0
0.8388845628	0
0	0
0.1557201974	0
2.8141709245	0.5607288764

gene_expression_table

0.0923423488	0
41.211600128	27.5782091095
0.7113765964	1.0866973421
10.840228419	8.182345804
0.2014638829	0.0401420595
211.015359867	124.3837443072
0	0
5.190443571	1.0342056932
0	0
0.8437115179	0
1925.1994586948	1269.9901268266
0	0
68.3956830758	36.3412510497
5.2109389059	8.6524118952
0	0
32.8889788889	13.6641008309
14.2729996331	16.5845565825
53.9910649482	43.0312870086
21.3792121855	16.5292322773
7.969324192	10.5860193997
0	0
0	0.0729970549
0	0
3.8267488274	5.5915708765
0	0.1779109318
0.2186943878	0.261451621
5.1588979499	7.4524212221
0	0.3249641803
20.1992925101	32.6272840984
0	0
0	0.4168176311
25.9770093786	23.9921350616
0	0
42.1788342922	44.342225767
40.0821887802	25.1002773473
0	0.2375511002
71.7224929806	45.5587754716
6.7362336726	4.026621879
53.2775251643	36.6519201395
7.3986620177	7.5815865924
0	0
163.7665918657	179.7990205873
101.5130983014	61.0348841688
65.8737243553	18.6673267217
1.5713868011	2.191712534
0.7901034443	0.4198122796
41.9205605525	29.4544375041
29.7591201309	39.1963465007
0	0.889554659

gene_expression_table

9.065031425	15.653946944
2.9848352342	22.5998943846
0	0
0.8027191472	0
0.4481243781	1.3393444416
1.9071240976	0
4.2656008983	3.8246806908
43.32384694	20.6425961725
0.7115551954	0.6096484864
0	0.1359095721
0	0.0467098194
0	3.5445037785
6.071936206	7.9504084691
1.8326844814	3.7246916425
0	0.0937562748
10.8178220938	9.0363997563
0	0
100.5701858409	202.2753071712
31.2793569659	25.2376603616
21.1311247226	17.5329286015
6.693206678	8.1351679063
0	0
24.096452746	9.2714058814
9.5455354641	15.3566142532
1.3632275275	2.702675335
0.0800063826	0.1912970756
30.7754761462	54.5316384903
16.4067842562	19.9003181092
4.6271131654	6.694238892
0	0.1317075913
53.4899450721	72.7492586089
3.1763520232	4.7014993628
0	0.0965064116
33.8755069192	35.556765053
1.6723871884	0.499839463
0.4216156877	0.6720617821
2.7055591152	1.6172633043
0.2091344745	0.5714803116
2.4552576161	1.565487108
0	0.083286787
0.3190210082	0.3813932336
1.3381959278	0.7999142048
5.7384765448	13.7208275904
4.5062960409	3.4025229647
0.6834239435	0.7489543195
0.3211441688	0.7861454448
1.6207436748	1.0333959711
0	0
0	0

gene_expression_table

0.5629392249	0.5234446219
30.2135285779	21.2710294794
15.2472643575	12.4637794694
0	0
1.0034561566	4.7985728656
8.619811043	4.2277258945
0.0487928989	0.0777766187
0	0.1115880581
72.145983303	108.61280018
3.2762777234	3.7403935212
0	0
0.1860829363	0.1694965797
109.3104427045	128.2346479478
0	0.0821740841
0.2174645908	0
1.8595089781	1.9110550811
7.2935144894	6.3719271772
8.7235478443	6.3733391275
0	0.3653941949
2.3843435307	2.1265707541
0.1936601536	0.3724498989
192.8208775803	141.6525906617
43.5783669599	48.0908602771
2.7202120205	5.3151692163
0.0832096874	0.01326375
0.7240602925	0.8335622072
0	0
0	0
0.0547317022	0.2617294828
0	0
0.4293879783	0.6416727478
6.0995967229	4.8061812467
53.7155377032	30.8084122219
2.2676486464	1.8503648586
3.033397902	2.6335018738
0.0372332659	0
0	0
34.4190550647	14.8772768885
6.6614968283	4.7193451929
2.9452755597	5.1677987532
86.5077132323	77.1924120108
0.4171963495	0.1662543226
3.0491144954	2.795998946
0.6267841952	0.4235329994
0	0.5962693498
3.6421883692	3.972323338
3.6965554003	6.3833956441
291.507012714	246.7044248625
0	0

gene_expression_table

0	0
218.4178666017	614.6479200042
0	0.0248823719
4.0537676526	5.9232863636
29.1690201301	25.1852570673
2.4070593304	1.4388333652
18.940603426	10.1983104351
0.3942697921	0.0523726676
1.9593411314	2.1127660606
0	0
0	0.049419413
8.9869558765	8.083586731
2.5875887802	3.0934917352
155.2181678818	130.6148006291
0.0240619527	0.0287663374
0.4039957883	0.2529903341
6.7853335937	8.1119432706
1.3959802284	4.1838651447
10.3797590824	5.6603002188
5.0844402043	3.0468701414
4.9227078036	2.0107606127
16.2362673246	21.3517059123
0.1566850782	0.4162639735
39.1686578064	24.2554919097
0	0
7.3114591669	9.3543311228
6.4110626939	9.6907448062
2.3142974754	3.197155151
2.4506411846	0.9765897771
0.6120324028	0.6620067574
10.7862012893	4.3960315836
9.8139551228	1.9554491099
0	0
0	35.5033650625
16.057944983	11.1544847638
20.6648825816	16.0366448383
34.9431113208	15.5959574061
3.0196131545	1.6677693579
0	0
3.1497053047	2.6896488684
0.15020042	0.9576869639
0	0.0101257278
0.5835789701	0.5055617954
8.7685732752	3.4943096013
0.8933776051	1.3731982195
4.6324147163	6.271784823
7.2478013687	3.530115413
9.8522176748	5.0594664838
1.2055086123	0.8647195314

gene_expression_table

0.1155676212	0.3914601387
16.2664624939	7.3920358268
6.3495136266	1.6524442029
0	0.0383909475
0	0
8.2117591571	17.5797289113
0	0
0	0
14.8298387742	4.9641873273
0.6863229139	1.3675113798
1.457657777	0.7221777896
11.8718864215	7.0710519951
0	0
0.1403913886	0
57.063061256	39.3787570963
31.4340857352	19.6846602973
1.055208618	0
0	0
291.0877650058	283.9392578706
44.9033722884	32.5173510976
0	0
64.1701939214	78.3484541128
10.3577769574	14.0081606394
0.0587259091	0.0702074904
11.5235902113	16.0394031613
17.9546976587	10.7325223467
20.9934497859	20.2426573976
9.9141332576	11.0622948386
7.81447981	22.8367314873
12.4805792214	12.1932389793
0.1347134993	0.6978899039
1.75868103	2.1025231184
146.7791967301	144.8035263245
1.5464130985	0
15.5751594148	22.758119675
5.8204477921	7.3170923485
17.8060387085	12.0413130203
10.9311847161	9.6217561071
7.1818790635	12.4020258229
331.0209727219	249.1692060985
0.1287922977	0.7185390455
0	0
0	0
0	0.087909364
24.5327807973	16.5773839142
7.4101121083	2.0981541484
10.9598413192	12.6994572313
0	0
0	0.0144448236

gene_expression_table

0	2.10568006
9.8077554726	2.735899345
5.6018303333	4.7488184778
1.8589359904	0.8642585236
32.1350319744	54.2918147463
0	0.1226949579
0	0.993259381
0.2074036093	0.4959067346
2.1544263194	4.9366454424
4.6606755356	1.6096572452
116.219559558	86.632536498
61.9200130401	44.4904205483
8.2745774916	7.8456578812
1.3558173366	0.0771854764
21.7451010462	33.3714127875
5.5301033085	5.5618883345
0.2816479514	0
0	6.1363606957
2.7507879193	3.3315863682
22.4501098015	3.6838338486
1.3774309059	0.5832183876
57.204624804	23.8699961053
10.7601918395	12.0063359606
78.6873516059	60.1581201543
0	0.5733372526
0.319107793	0
3.1346087361	8.3276895485
27.0239647355	20.3417317743
0	0.3125958027
10.7901205378	6.1427197546
3.0295000683	7.8117291402
0.4832695781	0.6547881635
11.6551297574	14.7724505473
0	0
0	0
0	0
0.5526257445	0
0	0
0.8030855183	2.0268732298
150.3734374259	143.7169532326
4.7557292356	2.7480053163
0	0
0	0.1770959931
4.3187722765	5.2614867875
4.2206162735	1.6239339024
9.4625456873	6.7875484161
8.1015729292	11.4612014179
3.5466881811	3.8225197553
3.6913982998	1.9123470319

gene_expression_table

30.4010200229	48.2173872331
11.157614204	11.7221992603
1.9307412707	3.3524192463
99.6297430598	102.0632941089
0.5077729949	0.55646101
17.1171028752	2.6871512948
2.8056991668	3.2385815494
4.5048349354	4.3757847731
4.9650685491	3.4796044136
0	0.1501400268
3.8616164121	4.2614826639
0.1074471787	0.1541451849
0	0
5.2868946802	3.2605973494
0.0346735316	0.1519928677
34.6214439136	22.7509754747
0.7729093635	1.0780255621
0	0.007008
0.0110923694	0
0.6544926276	0.5490900769
0	0
5.2071824906	2.9796047926
0.0708885591	0.2259948706
3.226106144	2.5153346645
0	0
14.6970030567	15.0552388185
4.9908911389	3.7183576728
13.050940092	26.2122787986
9.8576397597	9.5498490775
0.1032946833	0
0	0
68.4048915926	72.3618682862
0.3453758364	0.4129007297
0	0
3.71641886	1.3067708526
5.185172826	3.8533907364
10.5945221143	14.2412284841
12.7436804792	11.2715814977
0.4024381887	0
0.44108009	0.3808395141
11.9154385129	6.1427032477
5.5378135102	2.5039141848
4.5619921456	1.0907826704
5.2829735277	2.8655267021
26.1337870163	8.4959684423
2.1894440198	1.0088301131
56.2636564033	57.4777559285
7.4452988806	7.6456785921
0.3223745097	0.4312836187

gene_expression_table

0.1345249639	0.2442174417
111.926410937	50.5501776373
0.3250657098	0.4695821894
72.8630973741	99.9643902176
4.3629561175	4.2676065189
2.8388400396	2.262576977
236.5000498061	281.4818764099
8.8696034042	10.6037114688
1455.1957969928	1104.8894692196
10.7137155091	20.4800473994
2.318320097	2.6294457668
35.3322394594	59.6330724881
1.5039256962	1.042295784
8.8212332536	2.0872062885
19.1260529419	22.86541322
0.042834095	0.008535
0	0
4.509652691	2.6956704703
33.2384485583	22.517600604
0	0
0	0
0	0
247.8882851531	232.6432367691
100.325810602	114.814975904
256.0800539296	144.1308777464
72.5513993658	58.1251806194
0	0.2773426125
2.1392831253	1.3640198614
0.1623407235	0.1617334802
0	1.860952675
279.1430923924	92.3458326048
0	0.2982207166
0	11.3095396772
254.5000037215	125.2638563746
3.5757365701	1.4249445419
84.3884728741	38.2259124222
1.8899681746	12.8037108698
12.9316296289	18.5196837248
81.4756360365	62.439132679
10.9085203262	10.9955719668
0	0
10.8127208989	8.9943270279
7.687683625	8.7911167515
4.4874478892	4.0023072677
4.5561663266	1.0728837993
4.8627873057	6.2385917667
0.4049504607	0.753080018
4.2341448855	1.7417525107
0	0

gene_expression_table

7.1529047123	4.7507659511
0.290708289	0.7723223483
15.27438471	12.0442915969
11.9000889236	6.8498883936
0	0
20.5997311675	15.7742928157
11.6663332631	10.7462292718
43.8008026899	39.8187293496
10.2934384612	3.9378951772
2.4113791093	7.8705864272
26.575531579	42.1396219615
0.4924721033	0.818844531
0.6053698265	0.2291800563
11.6121307681	13.8824340382
12.6359811171	10.5745211201
0.248457683	0.2520288298
0.6129057145	3.028641031
0.0502962658	0.006681
37.800788136	40.698571502
1.2015982317	2.1388250905
435.1205025156	797.626960379
90.1279838804	334.9807066631
9.7130230089	17.9709975287
2.6173223317	2.8335182274
14.4306908303	9.9330011107
1.2936517079	0.9279451737
10.585811592	8.0854313867
0	0.0544244851
4.2669801242	6.3859756278
0.0787698259	0.1569503671
0	0.7364919272
0.2103542091	1.5088850569
0.7791785011	2.5150951858
32.9968178096	25.8953587961
2.0276907956	1.0605557131
0	0
1.9893277225	4.2450731179
0.0444456326	0.0106270516
0.0399230164	0.005303
0.0457609098	0.0182358956
0.2538777756	0.3227844751
16.1478391108	18.4216929521
0.4415112668	0.5278317271
9.9801519431	5.1643307529
1.9918611808	4.7625852666
4.6951793177	2.7397469668
0	0.006296
1.8731680104	4.6280801106
1.3514895907	1.4667539375

gene_expression_table

0.387945414	0.5565517711
7.4190879995	8.8696038508
0	0
11.2887955401	9.4471181741
0.0747361704	0.0148913232
5.1541947376	4.3584158479
47.6044207652	66.6843282298
294.0127426863	163.2121019348
1.2674175928	2.7959271026
0.0642008958	0.081869759
1.0399471321	1.4356792069
6.8457392933	3.6010299466
1.1013277495	1.4812310428
38.4961235808	52.7699805118
2.8795251593	2.9291489807
3.8237458252	1.8412307443
1.5855466281	1.8955389772
3.4909141547	2.8935763764
0	1.6377511578
0.2954451247	0.1177359992
3.2037636098	6.0431030448
0	0
2.7612978788	0
0	0
0	0
95.9760202122	49.2250570394
14.8957491687	13.3560278092
5.9703034522	11.8959424873
0.4560908186	0.0605846385
1.0542828182	2.4607947495
62.4338976061	85.0942748309
0	2.7096277973
3.2558073238	2.2705401734
40.146301895	42.3662739106
0	0
0	0
0	0
1.4902451329	2.1527726586
2.0344374195	1.8171556968
55.8874260165	33.0185720505
49.6018502086	18.310044059
1903.5724708876	2782.9504436258
0.4238797994	0.1689177026
0	0
0.8356640854	0.2220101983
0	0.1725638072
1.6327466995	1.6881878469
700.6909771867	332.576443182
2.0706610103	2.8365089538

gene_expression_table

0	0
59.4093836333	30.1031383123
9.2283393784	7.1853241956
16.9064317982	32.563505448
16.4105429971	13.8290971836
114.0431576576	73.7986552207
1.7793850408	1.2332028975
0.1390352314	0.0554060653
0	0
359.3860314017	307.3455563424
4.5021374391	3.1098059036
19.124741784	21.2993596942
150.5000316948	119.6069499193
2.6564748184	2.8464988059
0	0.2191017905
82.390245061	105.9488002997
0	0
5.0908439432	9.0695742601
2.5068442759	2.116497715
23.8879910877	11.4490739694
0.712418506	0.5936121605
3.5692308639	3.3312980897
36.7382979585	9.6517867129
0.349861635	0.537767425
16.2183782351	10.4403681464
0.3023091833	2.0721072627
0	0
0.1821805388	0.0241998778
2.5019298759	2.2744712988
5.6770577197	3.3064807941
24.7534870418	21.1379103663
0	0
5.2563416596	3.1420080358
85.7126265445	129.5353437612
11.7380921647	7.7871106496
0	0.2449577153
5.9011237262	4.990023171
2.3270927661	1.5119922803
0	0
0	0
1.0429894019	0.7600186877
0.5722147547	0.9121189723
0.8352508731	0.1664253154
8.9480710901	9.9223378341
0	0.0812057628
146.1501447613	164.5952191366
1.3656912271	3.1142228374
0	0
0.4225649305	1.6839372238

gene_expression_table

2.4552576161	2.6862335604
0.2778389477	0.4428794844
133.265804702	93.612210319
33.9140198549	22.2372248946
2.8613858419	2.0580538444
0.7419348693	1.9710923363
1.3230455475	1.4139582049
1.1555992582	0.8698534941
0.5698884822	0.662382918
3.4527883011	3.0425918749
0.754245457	1.0519938316
13.1803547232	8.5554901822
50.6590125448	34.0609462398
5.9853417914	10.6814642281
22.0147104414	56.0732310623
0.1821255397	0.2177331484
4.239393737	3.9982808223
0	0
0	0
24.4873362101	11.7430342396
32.8276188537	39.2457906708
0.206498953	0.054860409
0.1238058978	0.148011355
68.8454012138	41.7907558044
18.6953289372	19.7210098121
458.5173604058	1002.6809476664
2.6942356063	0.7157753834
3.515605136	3.8026652604
2.0014905395	1.9940038674
165.225367789	110.2153455859
129.4669056553	19.6229981727
83.3979662813	180.882334666
45.8854302241	34.5627988265
0	0
53.8297627704	72.398353421
25.3378761758	22.2551400128
9.0274372888	6.2056321092
47.2597282626	16.0771052077
78.0026762736	69.3420369636
0	0
121.8133421358	67.5467567562
89.4980257588	58.7314477887
1.7099712056	0.6814299903
0.1548670205	0
0	0
10.6674467766	8.362658106
0	4.9583367825
26.6323836437	17.9412022736
28.0838364853	19.5851512764

gene_expression_table

10.4981704114	8.3671211982
73.6713127112	129.316306639
0.1291029593	0.2315160782
0.7850151223	0.8696715536
15.4787423654	10.0521053154
0.045245418	0.0180304701
20.4851831472	15.8885412768
0.5308274743	0.0705122518
12.3664743697	8.761043182
19.4419302581	7.1194922213
0.0992237954	0
0	0
0	0
21.6700833264	36.7515501009
0.7407895466	0.1968049567
1.2861761084	0.8827181831
0	0
1.5417024039	1.3884857747
0	0.0348599995
0	0
2.2504369248	2.865885229
9.9861542029	10.0482885157
2.169364556	2.2357758032
4.058274436	3.2344754115
0.3408762069	0.2716809144
5.3886206881	7.0957093251
1.7461752655	2.1625108292
0.7292305402	0.8282132127
0.2178150293	0.1550002012
0.0548217962	0.0436933861
21.9636882327	12.1464830669
0	0.1150389992
6.7394099197	6.9583535887
0.1787716912	0.5699295585
3.1120918818	3.5029656367
1.08923707	1.790518498
9.03924484	9.1002271405
4.5010877842	4.6054472275
62.0838707636	42.5539304149
8.2197754973	10.1076015454
8.4314358886	8.4798967209
0.1894495837	0.5284746273
37.6548444929	19.0314900081
0	0
0.8204034832	0
3.4932127466	3.1818479685
0	0
0.2044277058	0.1629304273
385.0709625536	209.5759682834

gene_expression_table

31.6450952652	36.3484597083
0.7204392791	0.6818572191
11.4731263048	7.4815923413
2.1594063581	2.6598249383
0	0.0387425353
0.449137172	0.3728809606
0	0
2.6057307012	1.5575903038
0	0
3.7086272829	2.904249266
50.7894780135	58.5358502392
0	0.0538539168
0.7510919757	0.9193184753
3.9921959627	14.3181466588
0.2499198027	1.4939097933
1208.4685731676	1566.1332204952
0.9057704989	0.8294238419
0	1.236169614
12.3093254321	9.4018493842
8.6938343492	8.3934389312
11.6095360675	10.266903156
0.3240481933	0.5777066612
0.6007051971	0.5795595493
2.1231497684	0
0.5114657965	0.5748798947
0.9457671473	0.816598865
4.1235669264	5.8426915912
3.1628805147	6.8991401929
17.6746486621	11.1912027431
19.4830214041	16.6064567225
2.2053428637	2.2410355456
15.1375173179	18.0269299471
2.6798792206	4.2192462668
0.2058326456	0.1230376312
180.3927807964	205.3444702752
2.0481159391	2.6916638611
0	0.2263870565
50.7111903043	37.1274298518
3.0609096804	4.850769248
3.2657022468	2.776308676
1.414740864	2.7813126093
0	0.4103714633
0	0
1.7440741945	1.9652294187
0.3709394112	0.4286801975
11.4769530897	1.5245363989
4.0471912118	8.2744729515
6.4598841034	4.7020162713
0.315651125	0.5450820557

gene_expression_table

5.4963257984	3.3636851518
0.0846478317	0.2473715272
20.9475266428	16.7292019069
0.5863539899	1.0281228398
17546.6156922195	19324.559781039
10.6421867115	12.140763516
4.8482644478	7.9829828986
2.2092887019	13.4262509799
12.0856472533	13.3738444387
6.2329033311	2.5775651851
0	0.013881406
0.7413270605	0.7112002356
2.8541125232	0.379124877
3.256144249	0.7512338805
11.5547880332	7.9484627837
3.8370594905	2.2630424162
6.0314428796	8.2922571269
4.2265374462	10.7373560905
1.0255641258	3.7599588692
0.6115357581	0.2741617256
31.6371327411	30.2987102263
0.3478619669	0.5445954995
32.8743227231	12.1747085429
2.4024581794	4.021032403
241.1741057917	233.1730374602
1.4511955447	1.1792925245
7.6275296609	8.8246434398
0.0849331646	0.1353847488
0.4344162123	0.7978412746
7.2419204962	6.1326069812
0.1759386875	0.3116099207
79.5110393926	139.868628416
7.9264174123	9.9748651767
1.0011090391	0.86438243
3.8930026684	6.0830280513
3.770349749	4.7422612991
58.0211318938	26.288988421
2.2964765995	4.3012266535
59.1271897674	61.8432534217
59.6228358535	34.3198923917
1.4619075577	1.5460662509
5.0112078905	7.1117129209
1.0743766573	4.0673600182
20.2753259523	19.1221792429
6.6756996402	4.9113074682
22.5696912683	4.8071952805
31.1481574631	29.4324694117
0.1961551095	0.6253484217
42.1020520106	53.289160051

gene_expression_table

2.6703837671	5.3207901352
0.3125218235	0.273990482
3.0251448402	2.3387314124
0.0297998234	0
3.4416318779	9.8498874443
7.5389985171	8.5456196594
5.0367558804	3.4408564469
1.3099922287	1.5661105674
11.2794509283	9.7479842287
47.985177451	27.0691939573
5.8010949325	8.2419207624
3.2330002215	3.8650884335
2673.0043322002	2777.5351036313
0.6842877334	0.1363456244
10.5528906595	10.1213913411
31.4003063486	31.2221085834
351.6285027383	279.3465413511
73.6868076006	47.2584461826
0	0.1313879965
0	0
0.2139543252	0.5968312524
2.1426117352	1.138451836
105.5657441928	23.2317743626
17.8887809489	19.2740192333
2.0486803907	4.0820344054
7.4689509893	9.3544163645
2.3087993053	4.0164386961
1.1750036078	0.3962059369
0.0216541621	0.004315
0	0
1.135208958	0.6031800822
36.0461947396	33.8946650183
0	0
3.2509198532	2.1591730869
21.5607627256	20.9431108094
196.8638389272	120.6828094667
3.0732614292	3.2972861883
0.2197860939	0.2001956328
25.9562477023	11.4324694563
10.5808752795	7.0275313362
3.1458639799	7.5845140713
0	0.1050946433
13.7978968565	17.7174342018
1.2833222671	0.8671714015
28.6884843026	39.6773939953
26.4234321858	24.0378111425
53.8297627704	59.4940172789
0.7195094543	0.9263495374
22.2973965623	15.0511129964

gene_expression_table

2.8322903349	2.2573568128
61.0504217789	84.8033289896
0	0
28.7470720853	18.1383767729
45.1893514108	88.9151289548
54.9610037657	53.467056664
820.3078650617	885.887578816
1.3536381349	0.5394299144
9.1540468424	7.2958445503
1.2134899107	0
5.307874421	15.8640601807
0	0
279.3640465254	107.8756092285
55.9397805669	50.6641228313
0.6002252671	0
118.788885776	131.1652098144
0.1551999798	0.2473911148
0	0
16.8129327005	40.9856227352
36.826162018	33.9051531396
0.1839377874	0.0366499518
16.4253010087	21.6366611534
1.0204152764	2.3236534029
0	0
0	0.002469
23.8916377527	23.2559883223
0	0.0155819459
0	0
1425.2948035373	1912.2174048588
3.345285376	3.0471059881
0.1193400994	0.0951149616
119.826078353	85.6791977567
27.0616629496	27.5106505016
1.5071584319	1.276292708
329.6579378903	117.7717865338
0	0.1549680004
499.1423040705	121.926993518
7.9528152342	11.1756949911
427.5929229794	458.7147301511
3.1347250784	7.8074987194
357.5345939355	328.6206596572
8.4736834604	6.7535897904
9.3958394569	3.8046691195
36.1147121944	18.5038063037
0.5615916923	0.1491976084
0.8465020726	0.9557804494
1.3225136823	0.3513511349
18.5855275965	16.6838973134
18.1933362646	17.1513873968

gene_expression_table

28.7573578568	20.7832371796
2.0275325952	15.4593392753
10.5454107578	8.3113857546
0	0.0644202119
1.0307407589	1.7799343871
4.7530158405	4.5652540901
0	0
0	0
0	1.4783971747
0.8432313754	1.9321776236
0.1194836048	0.1190366706
3.6915144667	6.8650515331
0.9935826591	1.7421643627
6.5303026675	7.9489972858
0.8936314731	1.7805776028
2.3297720895	0.3094743286
30.9293031263	38.6605548809
0	1.1114586249
0.3723740269	1.0387472028
0	0
9.0414178333	12.6106371622
1.1338247014	1.0215364507
0	0
0.5016923147	0.9996314206
0.3476876689	0
119.1886312666	52.3686196776
191.888024403	96.8128278919
20.1081123428	10.5773696038
93.7380929299	67.7277287713
50.9095224754	32.318677831
9.8710677299	8.0707806783
30.062840502	15.5037307735
14.4733324013	12.3415898761
0	0.0451151835
6.7984418954	4.2690499847
0.8281908	2.9153282902
17.2505918682	8.8574336009
5.7614943371	2.2959772757
47.6931161726	18.7263887669
92.3109830378	20.269988672
0	0
7.4636707129	12.8886376526
0.2790443047	1.9460036818
1.8752680133	2.2419041792
2190.187452355	1896.5309493287
119.0290838906	144.0192263401
0.4358314126	0.2605206985
2.2595429342	1.7540968867
0	0

gene_expression_table

3.1076824228	3.1148219743
27.5529244628	51.5447397727
14.1514858394	14.3805225532
2.827334756	1.3520443074
0.7909469554	0.3742944805
1.3835302403	1.1204692896
1.4254666293	2.272215364
6.0060575857	0
13.9711618978	29.5508998253
34.6598828336	38.5524391658
0.4858315374	0.1936057044
8.8519618827	4.5486703567
65.4642064887	39.5552476354
2.4337748993	2.0023091586
0.0353844656	0.0423025299
0.1423506155	0
13.3625414634	2.3908267844
1.4544826374	4.6369346393
0	0.0158749248
935.7455895641	2134.930264883
0.558909971	0.8018198513
105.7714390469	61.2949285888
8.9673710229	7.8313557297
0.3553142076	1.6991286609
0.4521199369	1.3693034318
5.9310622274	4.4138597802
0	0
0.1915393602	0
2.1297721019	0.979294886
1.6551805473	0.2473483897
0	0
0	0
2.5291259874	4.2834316381
0.7898300598	1.2065426822
6.7046022903	10.324958207
6.6604369594	5.2734948118
8.9979281866	10.8807703189
0	0.0359825248
1.8815557409	1.5745948602
0	1.1320190394
8.9861451865	5.3853991404
0	0
0	0
0	0
2.0823884197	2.8122343969
9.4830190287	4.898048814
0.9464922161	0.6319650583
1.9820234443	1.7923379353
0	0

gene_expression_table

0.3751747868	0.5756079981
0.4925222518	0.4317983547
12.0983953283	9.6425125567
0	0.2021973314
0	0
0	0
0	0.2745497415
0	0
0.434897828	0.1155389524
7.6635146057	9.2312263477
0.1640900476	0.2179683478
8.8844249965	8.7331764771
7.2141229932	5.0606956705
1.8408045271	1.1697428716
5.1609671378	6.432547717
0.0695554011	0.8315427092
5.8933284848	6.8320398019
0.8733664008	1.8272090162
0	0.1718685503
11.7025392816	6.2180081962
12.7826401107	3.900040471
11.6548617001	5.6766189953
102.622253233	65.5574407466
3.020115323	0
12.4223260303	19.5043549179
33.7756119119	6.3339807253
0	0.3664444526
0	0
0	0
0	0
2.6404576725	2.1854056816
19.6568896538	5.8138106259
0.2235995007	0
1.6839624834	4.3619252048
0	0
10.439268004	3.9867507768
5.3293423601	2.9007495713
30.0708157323	18.1316455215
57.2635049122	44.3716840038
7.2559190538	5.3699493254
2.8527821503	3.1547434108
2.6050676348	9.8622283629
1.4747072574	4.0068846644
3.9122170501	3.0531068503
0.2176966481	0.4771411552
909.1687202524	981.2693565822
0	0
0	0
35.7634221658	22.8029743085

gene_expression_table

0.1562185983	0.5727340586
0	0
87.7113286772	44.4001328654
12.7518375378	27.5128013288
0	1.4853128896
0	0
2.1451100279	2.0246079223
121.263902128	54.7860701982
109.7849024769	57.4214795406
0	0.012522464
155.4801633246	121.9912390068
5.2154438549	5.4793498844
12.2115502714	7.1474500218
6.0019563368	7.1124647094
0	0.2543774569
12.524648471	10.2865761057
18.6643400465	10.3482574918
1.0387015174	0
22.534391085	44.9002002125
5.659337355	4.8514471678
21.9020130229	20.0508912023
4.6307427163	2.7194903912
8.52121734	4.1880760353
6.8861784591	3.4221391051
6.5332295716	3.0329627353
10.3351563616	5.4386626288
2.2873712974	0
0	0
89.4672071442	52.8329730767
288.1098334022	175.4185935535
0	0
80.0305411751	146.4691363035
87.103912365	68.4446954143
19.5879523806	11.1305967982
1.2937677182	1.0239150186
15.5914809226	6.3978164927
22.8321391905	13.4610812209
7.677383673	16.8270653064
79.5765692025	51.8362098615
0	1.7774181495
3.7609163195	3.5595060087
5.8669536108	2.7821400026
2.7868862779	5.2567676654
0.4358853956	0.2171274726
5.2088820916	3.9439424925
2.7964179185	2.6836164758
0.8446964847	1.3311583006
2.614259999	1.9388915847
0	0

gene_expression_table

6.3181359836	11.1041483363
0	0.5113934596
79.0684894617	33.031270339
31.4309114916	26.1702573195
839.3384903946	997.5447720727
0	0
0.6729106337	1.2335241853
1.1819706923	2.0018341054
0	0
1.3221050707	1.8178814415
0.181723017	0.3041526991
1.8628310679	12.0837305793
0.0815451273	0
4.2441812289	2.9521261362
0.3122348327	0.3393457126
1.9589850485	1.639392191
18.4389414364	25.7642295228
0	0.3172883821
37.5445129661	19.1262078835
3.9688399139	5.7332917007
28.2224365419	23.6470079041
0	0
7.7888963699	5.7034247956
0.1412427953	0.0788001031
32.4684587084	26.4888891531
0.474101096	0.9026707117
1.0701475426	1.1846051155
0.2013067019	0.4545883967
17.9095507114	16.7656709848
7.1419622522	8.861717213
0	0.0144506037
0	0
0.6865237497	4.1037346468
0.6520599068	2.190150278
0	0
0	0
1.7982221467	0.8061731144
0.0504768636	0.100576105
0.0499251041	0.0198953428
0.5955314547	0.5745679298
0.0533078958	0.1168386891
1.9318011401	4.3990289018
0.1417828304	0.1836282303
6.8969173753	9.5945808839
0.9502148619	4.3546384716
0.7755410106	0.5975083146
0	0.1382993353
0	0
2.7301415725	1.5181001001

gene_expression_table

1.9861599394	1.8939278716
19.3233044377	9.4085993877
1.4401967428	0
0.193220268	0.0384995037
3.4080193116	6.1386507827
3.4633081975	4.6712478503
4.1866784668	10.9854863521
0	0
0	0.0152221966
0.4349067857	0.982101324
0.5247393528	1.394070773
0	0
2.7810039374	2.2355887625
1.589136515	2.4979255864
0.3572666074	0.9610116328
14.963779678	7.8404021669
7.9724700139	1.0590198139
0.0298857412	0.0476383234
1.0365598648	1.1359508188
0	0.1693596908
7.0316684009	5.8479577924
22.6932628793	25.0658099842
4.8506143916	2.3195858084
1.2254699358	0.781367044
21.0667390965	11.8154317297
167.2863553084	132.6935925182
11.7526612986	40.0224651164
1.1242803018	1.0490457384
0.0589985057	0.1528223291
1.7029965564	1.4542512132
0.8808445391	1.053059637
20.9157519886	13.7708798798
2.3412808683	1.7843802435
2.6011072353	1.76684841
2.2279183082	0.7398615574
3.7263239658	7.5029264256
51.9315666338	73.3038402789
4.44245283	3.692411432
22.9775112867	20.5108402647
2.1319218389	2.3448377996
320.453903005	135.7252599543
29.7420406735	11.8523156532
35.2348060348	33.0464686459
131.699387166	204.1351787995
0.0221598727	0.0883079304
2.1563351808	2.272067875
50.7565491507	76.7864579578
4.5144348174	5.2550301842
10.4260775344	8.0072036454

gene_expression_table

4.1431014065	8.3141736415
2.4592754793	2.1233995818
0.1127363246	0.9434428832
10.9574815091	16.6021687491
0.0341552778	0
2.7872190286	4.7059339103
4160.2975082969	2625.9333585937
9.4389372105	9.9359113763
3.151921846	0
4.6148368332	7.2335177058
2.0318249083	0.8096899076
437.9378021519	318.4178509928
9.6998360891	10.7104383333
3.3073129657	2.3018184981
2.6609608628	1.0604029641
1.5074408829	0
0	0.005782
5.712858346	2.6018235992
24.8487871971	30.6972404936
14.3384862125	22.3363146805
3.9065170114	5.3621795275
7.2508682958	4.9199567845
0.1000336345	0.2391826893
0.2590255219	0.2752603994
3.829783791	5.3416416195
6.1867572363	3.8501487802
13.6411667379	13.2311564301
0.2921984075	0.5356339825
0.5410840901	1.5812430741
0.0367205255	0.0365831706
9.5698524491	4.8218214018
0	0
3.0258307085	2.2212196945
1.3133497821	5.2337485351
0.1031631129	0.1068883154
0	0
217.1772496671	80.6231173608
0.309918163	0.7718972479
0	0
0	0
12.3731171677	15.2030964075
3.4804873317	3.1900709286
12.6842049399	11.2987492757
0.7135924358	0.3475624576
3.404433875	5.2571341096
59.0929565264	38.9401172971
2.5581293537	3.5380017009
0.4344513054	0.7271480484
3.2931154476	2.9405665497

gene_expression_table

3.245039696	2.4868472833
0	0.8955095752
1.9315739273	1.4295162378
2.0838850131	2.4913081686
19.0218252777	10.7249224867
17.4341047442	13.0887004805
0	0
17.5097386411	15.0288859474
0.9137521862	0.6935880015
0	7.1428671645
0.020848798	0.0166166497
5.4113829807	7.907007447
0	0
0.8232999384	0.4175667212
6.8970436715	10.6122560838
0.3003687898	0.3890188196
0.8580754727	1.1235379084
32.1552312616	45.3367762161
12.8628710782	7.4325589947
545.4367257794	365.6786958071
887.1391773101	625.3487148182
23.9967319544	17.9486182419
0.065273461	0.390175815
54.719078579	30.8914928921
0.4534792075	0.6950506872
32.2589514405	22.4143938319
1.3118320812	4.1821603518
36.7532192284	28.0190026013
0.3192253894	0.4134407048
1.664437753	2.5204820016
5.7145591076	5.2756833981
135.5487754988	52.8771066851
18.5911286596	17.9241170753
3.0556212003	4.4140776772
19.7568054752	18.242691688
4.887757019	4.5106707709
1.2214927946	1.4889419899
48.2208951109	39.4332622373
8.3206087326	7.3244405602
1.0589281343	1.3262444328
3.7610606974	4.2379774618
0.1018146262	0
1.8922547338	1.3196236644
6.0294019482	2.4027394716
0.0534163225	0.0851464258
0.3014752627	1.3215293515
0	0
0.6959081925	0.5893093472
5.4829198771	6.5548929004

gene_expression_table

10.4205919539	14.0151778554
15.5803585228	9.6089063193
0.588229666	0.7911396421
1.1505521817	0.1042044078
0.7121131452	0.2554018026
5.9867658416	6.3619968583
0	0.7416189637
18.0492584468	27.2123730761
1.9840740083	1.3316395679
1.0122111432	1.2370012333
0.1825206982	0.1697154393
1.5985277317	2.0323950518
11.0590494408	6.4238691373
3139.3595100591	3637.1154147442
1.237943876	1.6209260344
0.2532926002	0.2018761176
14.3954682612	7.1025172234
1.4116715604	0.646939922
0.7399134256	1.2900050514
12.8962436095	8.297024649
1.2614748932	1.1310806569
8.2390886535	9.0290969386
0.172178442	0.4254053126
34.6014937806	40.1803426877
0.9123392938	2.2117215019
0	0
6.0882152052	6.4346427559
0.1408117669	0.3366841288
10.1695531445	8.770563873
0.2096524227	0.1949436605
0.0120991129	0.007232
4.437255981	3.8367976922
0.0339929557	0.108370571
19.8820380854	13.381180404
0.2788232153	0.1111121054
1.4862616282	0.1579415674
0.1620631717	0.5812450795
0	0
22.5666061937	16.1640473883
0	0
1.0959889058	1.1117418392
4065.8953976338	6324.636710583
72.5890323391	54.4821483035
0	0
0.0393055119	0.0469901852
10.5891296122	4.4542419725
114.6748779953	63.7669216597
0	1.2848217315
192.1309136738	269.82207143

gene_expression_table

12.5284788564	9.5814754093
2.2968263295	6.7121558228
0.6048158015	0.9640855341
0.4652152477	0.5561701051
99.0389056547	34.3034222928
0	0
1.9659393186	2.0654175709
25.5182679293	16.008822506
1.1608896025	0.1850475582
4.7933540174	1.7828250515
42.7348347654	31.0982484893
0	0.3422533057
5.0450056239	3.5639863078
7.2419204962	5.5313710027
0	0.4090010849
3.4189930864	4.0874450131
0	0.2830809285
0	9.9853214238
0.6582255717	0.7869161366
1.6297884641	0
81.8400172352	56.7386527035
57.9597157472	89.693994058
220.86531848	207.3257873318
4.5777180372	4.8646345191
31.4054814417	29.3835202943
39.7065554473	36.9208290807
0.7969023417	1.905411576
36.1380236303	50.1159638683
679.6831811136	470.1332696186
6.4971238792	9.6167627375
0	0.1405827197
18.1022142859	9.1174427175
0	0
0	0
0	0
15.57899	17.9350496406
0	0.114000969
58.4207634964	26.7730293914
5.0758989487	1.6182119371
0	0
9.4594934173	5.1267156904
0.0507915905	0
12.2673764838	5.0207201214
6.3216714775	4.5618126736
1.0265688353	0.4431825255
2.1101159416	6.9673674945
8.9088026601	9.0472623149
11.6077544983	10.3424431178
2.9313792096	2.3606681806

gene_expression_table

0.6845551874	0.7981862441
0	0
0.104310423	0.3325447835
0.5303954455	0.4650020986
0	0.0144376855
0.0468503973	0.0746802418
8.8284862256	13.9011217668
3.3984367208	1.6062507898
0	3.013447048
0	0
0	0
3.973962869	3.2200664294
0	0.2472902345
2.9197537013	1.8151113062
0.1238603668	0.0740382367
1.1386614308	1.0122358205
1.1418037585	1.9933907875
3.1863724211	3.6279470184
10.564325074	17.4137744037
2.4786215184	1.8195211373
8.3149864015	5.151729191
39.0882046828	43.1181741375
0	0
602.2256485256	283.7282361939
2811.3685330651	4504.844157514
2.0149148468	2.3514998965
5.3584842521	4.1690678838
0.3865284585	0.2787264751
0	0
0	4.2804514917
22.5673370978	16.3743551562
0	0
1.7242879061	1.6147678364
0	2.0845528353
13.4639903437	10.4654734356
0.6383313516	0.826726735
0	0
4.9678042981	3.8401192278
0.9253640016	0.6760619307
0	0
16.5457372805	22.449429929
0	0
270.0944899734	104.8379955124
0	0.0270388393
0	0.0263890205
0	0.040371446
0.3112338145	0.0620139259
25.7253343749	19.0387655852
0	0

gene_expression_table

0.7149674263	0.7326442862
2.0940914853	0.3338013496
18.5459704941	13.8893050006
0.157240488	0.939913934
9.7446577657	3.8093156665
10.6058198485	3.7163693904
0	0
0.9923498741	0.5931827649
15.6674403126	13.338459423
31.0753138069	14.6581743302
2587.2545384083	1562.3964716574
1.6806828678	1.7657268937
0.8752725317	0.697598826
8.5529394727	7.586391335
0	0.2243202521
0	0
7.345403496	7.5034525859
74.1228747031	28.9912412515
2.3909285169	0.8661764121
0.7610637531	0.5762448876
5.3306549979	11.3295262406
26.8924676993	15.9377308432
3.4072493863	1.3578017621
2.1780106707	0.6509591149
0	0
0.0717017266	0
2.2558466289	0.6292743872
0.9543593955	0.316929856
5.1633322688	5.3497793179
0	0
6.4360351783	5.6361927715
0	0
12.8656611632	11.9871045913
0.6093979378	0.3440337914
34.1980583202	30.8031392166
4.5032877998	4.1697529377
7.3788328733	8.4345714438
47.0177350287	21.4848011254
3.1491013343	3.5005908281
7.4004525194	7.6185297948
0	0
0	0
0	0
0	0
9.5541739578	4.653457653
5.8599423126	7.7241533955
0	0
0.6671025912	0.3760704505
4.0575587929	2.263733527

gene_expression_table

0.4169421431	0.767468713
28.0553819916	62.706203354
18.4737044632	19.4084900978
1.5256933722	3.9085365663
0.007981	0
0	0
0	0.6666585472
2.0643591807	3.0468701414
0.0184059727	0.1760363927
12.3426364198	14.872871051
23.5322473273	25.239580736
0	0.0505891894
14.0865827785	8.420334741
2.4267938602	0.4298162348
40.6210290004	18.9429755261
8.2688266376	12.5216029718
0	0
22.6552837411	32.8885019552
184.4943185062	63.92355244
0	1.8566552388
6.3991285212	6.5876986808
151.7157402166	127.7373097283
0	0
125.3154874593	87.2063787598
0.9832005982	0.7836183111
0	0.8471565301
3.0269402556	13.5099679199
0	0
17.0996416419	14.6102608146
60.1816287493	45.5669525087
2.3289703254	1.9675793771
18.5732805571	10.7938870105
237.2098368209	171.3186550995
59.6461142562	60.5881620459
0.8924417019	1.0313600375
40.2123787711	16.6246432309
0.9778051517	3.5069314476
69.4791854119	88.4622592163
0.0916580909	0.0292208766
0	0
1.2831188251	0.7558757346
2.0702055451	1.6787480103
2.4357916995	1.9072857286
3.2651171453	2.4004186786
0	0
0.8835979045	1.2859929072
4.2081780101	1.016348392
0.6542636749	0.521453096
8.9625546965	18.1732018843

gene_expression_table

2.3576943217	2.7490539988
0	0
0	0.2204715713
2136.4954183025	2684.3442876089
0.5835476775	0.4360236669
26.3029679757	18.349942713
1.0723305374	0.9614874899
0	0
39.6055792669	34.634857578
11.6421474814	14.3672974033
2.5192059234	4.3502900339
80.6233750892	79.679225063
4.2177214036	3.9433635936
3.6002909368	11.0865465213
0.3536627045	0.1973102948
0	0
1.1765468179	1.378995162
72.7834314696	60.3426384202
7.2571659896	9.3508261376
5.7281526702	4.7455933982
4.1238748603	5.929056255
5.1678013734	3.2102230708
17.7627134439	38.559243466
1.2775539908	2.7413620519
3.591899466	4.0896729057
0.6721266552	2.2498981107
2.4121214558	4.1071143108
0	0
34.6186679035	21.2241077559
5.5464716984	3.1312440833
0.4624080298	0.2551449435
0.2933456209	0.2143154548
0.9735638293	1.254911643
0.0918977445	0.4486145831
7.1646054549	11.5044636303
18.8445146784	13.8412425953
0.5227063856	0.6249014125
0.6153761362	0.6375972637
13.0285766612	18.324483728
0.0221276625	0.005879
0.2540887954	0.3688587589
2.2982549039	3.3363590483
80.5876219295	52.0968101563
2181.007370672	3652.3397909929
0.5971527602	2.3003537815
0.009157	0.0182457022
57.8540257893	58.8301224931
7.1277341443	9.6653486945
13.5923368702	14.9601267902

gene_expression_table

0.1342535333	0.096300973
3.9696438082	3.4400440472
0	0
2.7707225932	2.5878361607
19.4506430775	25.976843123
0	0.1740930619
1.4453395398	1.8879123881
13.055850241	12.4333715246
0	0
2.4892100733	3.3816805401
0.3207779053	0.6604612413
15.0997382171	9.443212371
99.0567319721	63.6266324802
7.3667679865	4.6846035542
1.189816662	1.2643905016
0.2645657062	0.1757173903
19.0254880412	22.7730607439
56.1960373847	109.31752357
0.0640748833	0.0510681665
11.6245202126	7.1640840544
1.3308877605	1.2501432527
8.3108970649	8.7135140732
0.252036364	0.4017497756
74.7440619836	52.0308759123
17.6271244316	9.1220622305
3.0036298518	2.3487474826
5.8040782219	10.7257253458
0.4992811451	0.8953444077
0.0191532932	0.1221225558
4.48816066	2.9579848702
1.8314445699	10.9475637781
0.6349911117	0.2530463587
0.1672864184	0
30.9948018209	19.1062972651
63.4912872984	38.8779423358
4.4359645778	4.3728519365
0	0.0759810868
3.7084503773	2.0320183067
2.5366950044	2.3105886849
4.4311139588	2.1375663315
0	0.3588316054
0	0.0289446532
0	0.0136006451
4.0951143208	5.3351183009
2.9911778505	11.443158548
0	0.5370713934
8.2789854324	7.4782025218
0	0
3.8582619681	0.7687659906

gene_expression_table

29.6505710426	41.255391862
2439.4588260067	2867.0513813135
0.0155917518	0.0932005804
184.7442168139	106.341832794
0	0
919.7780642	1737.7293572398
1.0724939401	1.0684822247
0	0
3.9736637187	5.1024533817
33.4761961324	25.3809485004
0.1571869346	0.1565989693
1.7256366765	2.2349364038
6.3605751995	4.4885547388
30.4871011845	26.2167488649
9.952802645	16.5065138749
10.6356099249	3.4310296668
0.3054085346	0.2028440928
54.9964310383	19.0632780873
0.6087180414	0.0970305763
0.2691522447	0.5720436645
19.1256562017	10.7538297169
4.4647837104	11.1527543765
0.6707806289	1.0088744563
3.978530499	2.2020270075
0	0
3.453504162	1.9660492359
3.8997142853	3.1081017724
6.030538499	7.4498964132
0	0
2.7006682302	2.5111951669
1.7495007413	0.4647884398
104.4475471161	84.3294103986
3.4591241544	2.9713774039
37.4474141114	63.4224784238
0	0.1402032412
24.8354163578	9.2525510229
21.8284969807	18.5521769569
2.139933561	0.2842572048
0.3291512642	0.0437226744
265.0225410199	390.7661928697
1.0977903761	0.8924461751
1.5356222014	1.4815661913
44.4705121686	18.9197517725
0	0
2.8084046162	3.9624308457
1.6257519529	2.0155902656
15.9164212624	4.6513529684
0.1256649315	0
1.9558820292	0

gene_expression_table

2.9848352342	1.1894681255
0.2859330279	0.0569726963
0	0.0866805482
0	0
0	0.9667902168
9.3291519327	6.5606511452
15.2383484227	11.3042657595
3.3375123884	3.3060281006
3.594738636	3.2231631082
4.290470291	1.3152066399
12.3592040815	9.0727175969
18.9707022708	8.9746140649
14.7993125456	9.6223706328
0	0
12.6742059462	12.2047118854
20.9861285949	11.8031720975
3.2744239261	3.4796541708
32.8649502204	20.1352269568
13.124925841	6.5379157108
3.0804628336	3.0280210107
13.1035447656	8.2678692047
0	0.1195246672
0	0.1240388219
0.79765496	0.8476493793
51.5123660234	28.661557986
1282.0045460625	919.1539324977
6.6868123446	4.4411999999
69.5216703325	83.1139453981
42.0063022921	60.9748170664
4.2512868013	11.0433733295
3.3805194439	3.5923994107
128.0040168325	131.4692903319
0	0
25.9315007021	20.3805521068
0.5321318174	1.2723392462
7.9517370325	9.8866474835
18.7519755299	31.327996641
27.0622941254	17.4126382896
1.505649339	0.8000092719
0	0
22.6795047912	14.292443056
0	0
2.3745753989	0
97.557455415	81.032814013
216.6688043189	144.8339857765
167.3301052723	210.9001958526
6.3126170376	3.5131679688
120.1352373027	120.4481959966
25.6571278729	26.1050105323

gene_expression_table

117.9799515093	28.6500439386
0	0
0	0
0	0.1879964368
8.3007919356	1.6539484845
10.1728077332	7.2168371358
3.3788965349	0
3992.104847486	3753.1228441482
193.6240670596	141.6628643526
32.9582836911	21.6711010813
7.156320775	14.7344079034
23.1521101389	10.4296212584
3.2605876913	1.7185037874
165.6932029544	98.9092979013
17.6523433807	34.6701617621
7.3008576256	4.1929867333
14.2091012427	2.8311902826
14.0821158108	11.2235527809
4.6359268189	1.7573156148
0	0
55.5358349466	47.213312403
12.0600436639	12.4955297873
2.5145557278	4.008239857
0	1.3746605979
0	0
9.9861542029	1.3265067347
2.9750896858	4.1699868186
29.7387187092	28.647673183
1.2409111955	0.57692577
113.9752577249	88.6068003435
1.4641650681	0
224.2860669707	81.8825553601
30.7346789617	18.1606582017
25.6359789088	78.0133544884
0	0.2147106974
18.0788656923	5.5419202528
103.5657155043	49.6940494164
48.6005375421	74.4516804432
4.2889954188	2.2789078529
128.1831595251	88.0173085103
41.7080976725	39.0589613266
59.1448864053	24.1586973608
0.2484693248	0.0594095792
4.1866881698	2.6694577026
4.9517755039	6.0608538679
40.570004825	20.8610326511
40.0455560347	21.5025055044
263.8706251449	185.3666440721
103.8620185602	59.550065266

gene_expression_table

2.1162050487	3.2710427639
2.3825772455	3.3447099139
7.2189269781	3.6382675531
42.1501075145	12.1860422825
42.746683767	22.5709974973
13.3552969302	14.8459592047
105.7863447746	165.8757121481
38.7530705094	20.439589117
0	0
30.9164180669	50.7028121091
2654.1619066895	5705.245071397
28.0519788052	35.399595429
13.6410328509	9.8130446714
11.2646524185	29.6965050459
8.3063432127	0.5516848623
40.6642101171	44.3640741874
5.77496737	14.9587511464
73.8053561426	29.8748900464
2.7425281786	2.1858156955
0.2413442352	0.2244120437
72.6867391045	38.2103893818
28.4016140215	58.0856028981
11.9535351261	3.0962938111
9.5554456434	5.6744896535
11.8300818639	9.6905720495
171.9265094896	138.2501809873
4.2555272082	3.2520296475
92.7164009666	91.8791327843
21.2360734378	28.0476583994
577.0035715577	516.1631413385
2.4572525567	2.2700202786
2.3842281444	0.7917699413
6.6871653038	2.6648606555
4.0498874146	6.5478043809
1.2410851258	1.0081764262
0.2860608634	0.0569981678
8.4242004288	5.6739307944
9.6044042949	8.989919388
82.2412959749	92.6051380546
4.9329626462	4.0626621465
0	0
1.0539971271	2.1001091998
15.8394506587	11.8901990388
45.7839481399	73.394966539
0.9389605786	0.757197563
0	0
5.5468038198	6.0244842883
3.2341272201	5.3330148594
0.6000359329	1.0042896688

gene_expression_table

0.8832580137	1.9358991177
0	0
1.8467016024	3.9248937085
14.8191503857	25.893291149
5.8983207745	3.5257546923
54.9567963858	43.2642055231
0.7281118802	0.6632121989
1.2554331069	1.5493001481
5.4980892352	7.9424088818
0	0
0	0
1.1067384178	1.6661490095
13.3056156817	9.407374143
12.4523894978	21.2327330367
84.8253432697	110.4238519662
5.4852344723	2.4591225094
0.8779419942	0.4373290049
0	0
0	0.1704973004
0	0
0.004679	0.06153268
1.3387213586	2.2444498061
0	0
0	0
30.1221743334	30.3302131079
1.5707419834	1.6961134188
41.8258296374	15.0009761162
0	0
0.2863801203	0.2445504871
0.0205402546	0
1.5205847046	1.2119175072
0.115071635	0
9.814715423	3.4766232909
1.3271418312	1.484907143
0.9081601913	0.4342863236
3.8896056824	8.1806746736
18.1143323127	11.7029303102
43.9266135061	49.8625038212
0.1133496947	0.3312487336
0.0922431093	0.1960492149
1.4428218321	2.0012520136
5.4037833548	6.7573088555
11.4257166919	9.5203090789
7.9146139865	7.0478351964
5.2503540327	2.4033014082
0.0554834453	0.4864279795
12.4331678567	10.4512452116
0	0
0.1265347335	0.1008491394

gene_expression_table

0	0.002396
5.0439251933	6.5351525445
0.0126195779	0.007543
16.17357337	13.0887750432
0	0
0	0
4.4565394354	6.5309048634
2.4710612825	3.1839514848
40.0820731449	24.8089066177
0	0
0.6268348936	0.8048984638
1.2112409223	0.9653681737
12.272435017	12.2265293807
0.3310763367	0.7916110311
0.0297300876	0.0266569927
0.9204647262	0.8803408161
0.2862307125	0.4334432801
7.1220984478	7.4158979284
0.144754257	0
20.3899542545	33.2405748742
19.2126701062	15.3126433482
1.7703484313	2.7337758541
0.8654666976	0.955084849
0	0
3.53083492	1.6635852365
2.4030249024	3.1340111192
19.1796034081	16.7612817322
32.2787036876	40.8812733128
0	0.2034872014
0.0829638885	0.859597004
0.1625722746	0
26.2488594741	28.624386785
0	0
0.7445786612	2.0770218806
135.8498139055	41.3628447443
1157.7236995362	1715.5992112463
11.1774570569	7.6937199103
517.5545246257	721.3678394734
2.1517094106	1.4291072251
2.5750587582	3.4406898284
22.0989905247	9.6071250252
5.7522859917	2.7168091439
0.0334833872	0.5604167691
0.0657496916	0.8384480212
1.0250079483	1.8964657336
26.8545813496	32.3793579268
4.9004093935	4.8593718304
0.2913627354	0.3151534115
4.0087493918	1.9809022176

gene_expression_table

0.2004112156	0.0532430847
0	0
0	0
0	0
0	0
0	0
3.4463329136	1.8566018291
0	0.0489852684
0	0
26.2240419541	19.9331319612
0.0458932941	0.0182886512
0	0
12.1855693246	10.9497936515
1.548159228	5.0589679045
12.1558574823	15.0707049546
24.831274171	25.7928148381
0	0
0.1778894733	0.2126688829
1.553910083	1.1223707653
0	0.14338414
0.4374023667	1.5106563056
48.8242622929	32.9917161468
9.4146219089	9.7890812679
0.9137606598	2.093788196
0.1521452979	0.1212609529
5.7748762477	4.7796438828
0	0
0.0507089486	0.1044064899
0	0
1.9306656103	4.5200930763
0.7308778738	0.8513683573
8.9186598283	7.7544428947
6.8276759558	4.135699116
32.5123534174	23.5173099424
0	0
106.3961809433	119.0030221723
0.1852071334	0
1.2370534687	0.9448600947
0.1176550289	0
17.1587700188	8.4333294931
126.2773712356	129.9222799777
0	0
5.2921951099	2.2093864145
3.3080988562	4.5099391351
0.0408757266	0.2008992895
4.2995881187	5.6787041712
0	0
0	0
15.2430528531	15.1860354773

gene_expression_table

3.3279656415	5.1430950127
4.3100730153	4.6374670573
2.4672979274	3.8236627027
0.7057437713	1.4062078052
0.0961088251	0.0382997302
0.106993425	0
0.1369028016	0.1091125681
48.5800316517	59.4131047851
4.1584883204	6.7470627929
29.575863432	45.1980462275
8.4129111669	3.3525769065
3.1015799909	1.266137483
3.2542797943	1.2968428014
36.9206483055	24.5216965576
2.3875108291	3.3020290244
0.3922264122	0.6773160686
0.2452747769	0.5864575555
1.6282289071	1.6221384382
1.2670978988	1.4759881169
0	0
2.8590551849	0.4797239159
0	0.08249099
2.9472576786	4.3191044948
0	0.0161894984
19.3562807846	8.1585636343
0.3027982052	0.3619986887
0.6238953546	0.5904835617
0.0540862329	0.0215535683
2.6801421942	2.2859948991
4.1136369458	6.9384320299
0	0.2944415249
0.1631261642	0.9750958976
2.3983722775	1.6074152519
0.9611649817	1.8856757123
0.5416392901	0.1079226524
0.9537558754	0.3800753222
0	0.2019560657
0	0
6.5656939017	9.4483055425
1.9225440417	1.9153526728
11.8513853626	9.2980555628
0	0
5.1671566474	2.9743009968
0.5856294787	1.4585972583
0.2747156132	0.3174781104
2.928674496	1.3700596606
33.8336664952	19.6114094724
87.9780185279	79.0878739751
0	0.6425285989

gene_expression_table

7.919011544	5.610232959
6.241575214	4.8700746015
42.6339245882	15.1020267851
16.8659919286	8.0402680204
0.4386997969	0.3907820029
2.0451086684	1.8337129565
13.4356698305	29.9470258252
28.4187366843	20.2141295887
13.8148382997	7.4237668329
1.5545091048	0.9865756844
0	0.3583083165
0.8140930521	9.4081556137
4.0130072799	1.0661323819
12.2802379847	7.7967762518
75.8158867027	111.6488847324
5.9902051695	5.8683352089
7.9714302502	8.3651654091
1779.4094258324	891.4949152833
0	0.1026221448
34.2919950953	29.4567222255
1.0495439132	2.091236087
0	0
0	0
5.8735106592	11.7030810175
0.6871772786	0.5134551441
0.8500291645	1.0162195072
0	0
0.7253889247	1.2801681567
1.3973754695	3.0036658956
2.1686154621	1.0802518256
0.0217487438	0.0520017398
7.8639569634	17.2359911952
39.6608080388	19.7905860913
0.0280727527	0.0298322616
0.1369334322	0.0545684904
1.5639764293	1.0849175718
0.41403856	2.3099430413
5.9489827421	6.8750071303
1.0090427682	2.345626255
0	0
126.3446891257	84.4182155033
5.8105140442	5.2666543226
23.4858565211	17.520427297
0.1965632352	0.1174967886
1.5037049699	1.7976963466
26.2242170612	10.1133383652
1.2613194713	1.4450916616
0	0
0.0145304431	0.00579

gene_expression_table

0	0.1385160755
5.6733029743	6.1448272954
1.3221989835	4.4610976201
0.4735251779	0.3841424892
1.5269819346	1.8255242219
1.1021484822	1.9764465165
0.6061005381	0.3220444745
0.2612658778	1.2493852808
6.5532974695	6.830113061
0.8865719598	0.9589633255
0.5002374932	0.3189544517
1.4590052824	2.2772248908
0	0
0	0.5046307673
0	0
2.0468873555	2.5086387361
1.6073937612	5.3379374238
17.3447246526	21.7232348103
0	0
0.7165367036	0.9518086179
0.0328780707	0
11.0768672997	15.9645941472
0.6694692194	0.4001790225
0.112091758	0.201010452
2.2488672644	0.9180402073
54.8647096346	46.0118654371
30.8812310342	22.758202576
0.9950857461	1.9280312379
1.2405648828	0.247184898
1.7912049921	2.1810615484
0.3258646282	0.6060053361
0.4801065149	0.1195776633
0.0843256632	0.168020478
1.1838262193	3.9313268669
15.3361905207	10.5175165783
48.1502719945	19.8497228588
0.4947076182	0.3462020889
4.790014134	2.4542212396
0	0
2.3726542214	1.7019210194
0	0
12.8102128351	11.5247396766
2.4918098395	2.5321388865
4.6800037371	3.7299983655
0	0
0	0
0.4069347373	0.2973025574
18.5612925761	11.7948100183
0	0

gene_expression_table

0.8476858569	1.1260200626
0	2.7811262667
548.7022960941	486.6416697671
1.4931083913	2.5423126297
39.9161525592	40.064809089
2.6836885084	9.4825454819
40.4124432709	47.9005980983
0	0
14.4832740531	14.680039513
0.100256137	0.0559334295
0	0
0	0.0418303357
0.6091210526	0.6523558013
0.9720656698	0
94.8947562512	19.1634725331
9.5691566804	7.083730495
64.4175198064	35.3387827212
3.1710283147	2.5847729428
0	0
0.6445866363	0.7706106347
2.7700689221	4.4155317527
7.678081617	5.666193616
0.1499650168	0.5843359003
187.5604996223	161.6755360191
5.6558268749	3.6408643263
1.5188263881	0.8070107438
18.7567975542	13.5723993938
0.0288588535	0.0115003622
3.0878508989	7.7932949633
10.3483260374	20.3443121109
0.8093951804	0.5741337302
0	0
13.1758410309	5.3089627139
24.5631943504	24.1181203046
0.0451082579	0.0674092924
0.979710674	1.1712552227
38.2216372192	33.7268196424
0.394999066	1.2986211245
176.4544122133	177.8394112036
17.1832067437	23.4773926334
9.9700278809	4.3704031843
0.3047083913	0.3469355598
18.5383324344	13.4714977903
0	0.016043919
7.4730363228	4.0068083428
0	0.1864974238
2.6619062612	1.6393868228
1.5646385491	4.5482715423
7.0973863686	0

gene_expression_table

5.2373863348	3.6925938362
0	0.14095009
0	0
27.4113008142	22.9127220159
14.488301972	7.523231933
2.465625997	7.5925189935
0.673910927	1.208502235
0.7187012644	0.286405171
308.6259735797	321.5422748502
3.4803152263	3.8833725717
0.6127898404	1.3047207355
0.770521127	0.8544155331
0	0
1.0136053271	1.219544464
4.6921609882	1.0907422711
0.0873512731	0.4525275637
2.6866251586	1.5345700722
0.007861	0
0	0.0225226152
3.4004413829	5.2627865291
1.0226843427	0.1528288414
0.9182311131	1.036769282
1.2889607872	0.8218491949
4.4595225612	6.8864043274
1.9363244507	1.3651961636
10.0191198842	9.2993533687
12.4077750803	5.8235755511
11.743450749	7.6263562574
21.4210453958	41.1168371585
2.427745728	1.7085035243
0.0290721098	0.0347560369
10.8494288479	5.8800122431
3.8040219651	7.8189410114
47.5713651123	55.0226071469
1.7934179272	1.6892526756
2.6280072745	2.152723382
3.0031609975	5.0862767988
0	0
0.1669973263	0.0665490659
17.0856493747	15.8406393735
0.8258181317	1.2340936787
1.9945222102	6.5289166972
0.9193986034	2.2960052683
1.4467094516	1.153038372
9.8789100074	13.6827213568
3.0857834532	1.7158554034
62.9269403659	46.0646673421
8.4594248584	13.4844511536
133.2135257831	101.9252998291

gene_expression_table

3.5466069449	4.2400088283
62.5882249358	47.5450093751
6.328332399	1.8752324924
9.3884946406	22.4481036545
124.4080045066	50.7038115084
113.3459134408	48.6639778594
1.3651467283	2.1760645296
70.5255100601	85.1286756532
0	0
1.3659857316	0
87.8734073287	146.7416135047
1.0829054418	1.9710968444
0.0938870337	0
0.2288536515	0.6079936356
1.9118512736	3.2651998311
26.7925022058	7.1179422818
2.5095124953	1.3125659099
0.6211080797	0.7425417539
56.4397148857	36.2957096687
16.2517519416	2.9925363284
0.458231632	1.3173793439
0	0.4725009838
2.3003608227	1.4896415377
46.5338279817	15.9477594866
0	0
0	0
102.358238439	298.8321492445
8.7957076367	11.3499212756
4.6063343731	4.1822351285
7.9794348176	11.5079740774
1.7343401739	5.8746994882
0.2099195965	0.3308125681
0	0
0	0
0	0
0.7375189297	0.2743104764
0	0
0	0.009537
0.174002855	0.2311359852
0.0770221054	0.0767340005
2.8242265282	2.7064752344
2.8483373056	0
5.3412952802	3.8579540326
1.6776964116	0.790126247
8.8838642881	4.5138232198
196.9364866252	99.8835529645
1.2488316059	0.7464961746
2.9667073055	3.3802189818
7.5288297429	5.7101858025

gene_expression_table

3.3325007018	1.3280141288
8.480552108	7.8036467965
0	1.4167869203
75.7812970591	25.9337190627
2.0799815244	1.1604327017
0.9851961761	0.7291224588
6.4985979116	4.6614885063
0.4731590912	0.1885556867
4.157026329	7.8885271831
4.6269809093	3.8480752392
0.8290037082	0
3.9223916306	2.5400178279
24.0343790099	9.3001737739
3.7858665914	7.5434107489
8.1812836891	5.5890385386
9.8274506606	11.1554535396
8.6469542194	5.9848868566
3.3686373926	2.8106808549
33.2684846929	44.841939607
1.8305712815	4.2553558628
11.7817911338	14.5847424095
0.9870037488	0.6992439563
9.4151890274	9.0489132558
2.1210436542	0.9508994045
11.295395283	9.7259318689
1.4292006421	2.221213251
1.5873121956	1.6999778859
1267.1565073807	2028.7690840133
1.3483059795	0.7387944167
0.3007538451	0.779035038
0	0
0	0
69.3690991212	83.7013734703
0.9513065462	1.4216222072
1.728363411	2.3417818024
0.0844926949	0
410.5332656476	546.8040602303
2.6949233499	17.5409733449
0	0
8.5227019788	13.0264262646
0	0
15.4117131451	6.4790779305
1.607516136	0.5338343814
11.9885560439	4.0130873229
0.979710674	0.7808368151
1.2023645833	0.6388624429
6.0686568461	4.6507359553
8.8750398172	19.5521493922
51.397803573	41.7577634694

gene_expression_table

8.8156430351	4.6283264686
0.1660432547	0.860195242
7.9205958612	13.2568270625
0.4468359987	0.9157671504
22.8617108763	22.7061149403
82.0216820904	137.4885215658
88.7322425899	26.873701946
1.35576759	0
17.293362886	7.5179678079
7.0477019109	8.8810458166
20.397706339	24.6943688905
5.8925595474	2.6836654371
15.4315171358	3.5140102401
0.3308085558	0.3295711504
2.7256235772	7.6031991014
12.4418193186	13.7301564098
0.4248036626	1.0721438153
0	0
1.6545703604	2.6973513164
1.6009148711	1.7492743044
14.3471661661	9.5289999319
6.2953859412	4.7840994899
6.0319632832	5.4896685037
708.7345492571	456.5897878974
31.6529572741	18.8658920054
1.1843216701	1.4158699892
2.6998111333	4.634581296
1.0922162449	1.5233830602
0.8143008194	1.1643893684
131.9929027843	126.0645246214
3.5946074986	7.1623233911
2.2125877027	6.6129342344
16.2886001636	12.1083397781
1.3367980023	1.6869436834
0	0
0.8557409945	1.0230480648
18.1228128054	11.1612872844
8.6447182996	12.6314940591
0	0.0249490489
0	0
0.0580847183	0
0	0
0.2027285087	0.0115411539
11.772624965	13.7773803698
1086.8847486682	759.5580560896
1478.6221601322	1105.239360097
775.2078732148	445.3643784395
168.4443304285	253.989144626
1.1795043937	0.580633892

gene_expression_table

4.4958243549	5.2840949319
0	5.2108979841
9.2072836796	5.6002622802
80.0830396218	46.0636725538
0.4860743512	0.5658150999
0.0388393915	0
0.1818450903	0.1159455296
0.9538205017	2.8032454356
0.1884149774	0
1.1342397941	1.845661955
1.5734946305	1.9595111222
0.2734147107	0
0	0
0.6015054551	0.7712157673
22.6108355743	9.8655147377
0.4010851084	2.397508981
0	0
1.069266126	0.9991464957
0	0
4.5343343335	4.1369630421
0.311872804	0.6628399545
0.2647149647	0.1846073499
0.1583857751	0.0210391101
3.7397669937	5.1615659168
4.8433821417	9.6505304735
3.2854903254	3.8001062831
3.8486496322	3.2544396174
37.574862768	82.3554867917
0	0.0242050989
7.7807133931	5.8614908367
16.6137578522	7.380391499
5.049612334	3.5672406652
56.9405955748	49.9712848494
0.2354872016	0.3002961285
32.5896539972	45.6787666732
9.9208760211	7.9893779248
0.9663188718	2.4029099563
0.2031766255	1.052566494
0.2734678277	0.5448898162
0.3410826984	2.1129808517
26.2556558148	16.0137599184
0	0
0.6937987562	0.7603239253
3.7388564504	4.2215205542
0.3495641681	0.6965132129
3.2400501093	4.4171681147
0.9087934151	2.5351032822
2.2431927213	11.0846176744
3.7310248136	5.8234076848

gene_expression_table

0.0408511317	0.1790726347
0.7692487548	0.425761857
0	0
0.2183416002	0.0621499665
0	0
0.2959461844	0.1179356734
3.2401036349	1.1444670087
11.446187807	5.257148133
1.7589078725	2.5210921042
0	19.4775405551
2.0733973301	1.2018278907
0	0
0	0.7909661139
0.3167430387	0.1262232984
1.7182857158	1.9401061697
0.204190475	0.3526062638
7.7575539882	14.6398024408
0	0
592.2333765358	2261.2516305434
4.1552520558	6.4729997379
3.4161482718	6.5150225793
0.6907610885	2.722123397
10.5471057858	11.5501454665
5.808702527	6.4018408664
0.322813158	0.4073671691
1.3093428363	2.1392900889
0.6100846428	0.8914438012
0	0.0461857107
0.6749434894	0.4482792204
0	0
23.5630943426	16.7054334129
0	0
2.1753628516	3.6120430029
0.3112238055	0.4735456592
0	0
10.4195401244	4.1522261324
1.700058329	0.4516531143
0	0
13.0842599205	12.6008070268
0.2601336653	0.3628248719
0	0.0919184738
1.2524489922	1.7884619429
0	0.1627602402
0.1050366225	0.2302162015
2.2430921047	1.5891212162
1.0696037594	1.3282863494
51.4574925589	56.7788503098
1.7157608099	1.8232991186
0.2058687692	0.2050987071

gene_expression_table

1.5612780573	0
0.3282695315	0.2331948968
4.1381946626	4.0237703724
0.0724617034	0.115505051
0.8242224413	1.1906521263
0.170030475	0.1355155742
0	0
13.300860251	11.4323282467
4.7750094426	3.1226409282
0.0590268327	0.4469259041
2.8720259434	5.3410615843
0.6659010816	0.5307281972
1.6894820625	2.1320057994
3.8292029353	4.5778555401
70.0527547997	71.2686401952
48.955028378	40.3130316351
0	0
7.8001389228	10.327859342
12.7816077766	13.9092250217
16.348370444	16.1804171411
2.3071837425	3.8191352293
0.0481477732	0.2462340604
2.7850338937	2.8983762053
1.1907488192	2.4820936637
0.7234290762	0.5765784438
2.1425141789	2.6927538476
0	0
0	0
0	0
15.2388914268	8.049932169
0	0.0547527787
0	0
193.5261767907	171.8308064026
0.4718268742	1.0207060201
30.2081437058	41.6231208924
0.6531631791	1.3665119805
3.7670894009	3.0023987368
0	0
11.2133427757	15.826148194
3.1166710852	2.7717921162
43.8383150559	3.4939468576
3.1919462504	0
11.8389259583	0
0	1.6008937443
0	0
0	0
9.4010349273	1.2487826536
0.9785120512	0.3119526015
6.0571745912	3.0367249037

gene_expression_table

0.2188371831	1.1336967825
0	0
0	0
9.8139551228	4.0824288434
1.0976671058	3.2806836868
10.896187281	10.7168496141
6.1713396829	2.2543603458
0.1385167035	0.3035968653
37.7931182441	23.1703084671
0	0
2.2866956997	2.8166121794
4.4656463912	5.7454913604
0	0.040215156
0.2368542169	0.1887746018
13.7869568702	15.3836324228
0.0646410011	0.1030387333
0	0.0161122138
1.4007844526	1.6436415953
85.3593166354	104.2833690099
3.8319740511	16.5794667368
0	0
1.4491194606	0.9712156635
3.4092499143	1.7600032242
1.5610119378	1.0425418311
1.1061041847	0.941680676
15.1072631502	7.7569269081
4.2850283579	4.2525807715
1.7610347252	1.7136463853
7.4044239006	2.6824462892
0	0
153.4713005118	85.0257787383
617.2929099528	297.6082782397
8.4836765325	8.6803738205
1.1802579785	0.3256181077
0.498809349	1.1595349
3.2591201434	3.7254240834
1.792360569	1.4285249261
1.6729456035	1.8095468299
5.356479659	5.8528735029
3.7026886516	17.7064251156
2.3051323786	1.3396307864
0.6594281481	0.5912653728
1.1599664584	1.0978461704
70.4796281024	123.4833026908
3.2962142523	7.1150833078
2.3045977348	0.3194403166
0	0.1639327171
0.0948374322	0.3023446022
0.0133416262	0.0691169502

gene_expression_table

0	0
0.6686530004	0.1332303743
3.3132709729	4.0563360898
2.5591067433	1.5297205685
0.3681473733	1.4670812009
4.4967042437	7.2190132422
2.6759339526	1.4929177157
0	0
19.948635997	5.0588407317
1.2042675743	1.0797866579
4.912264929	7.8302245835
0	0.173879659
1.2779505183	3.1121940242
134.5839376914	118.18949538
104.6763959822	109.2507940487
0.2408686265	0.5759223497
0.0547801228	0.0727669535
27.0052430973	28.2494401145
0.2001063752	0.5582020294
0.4915419668	0.646598572
0.004673	0.001862
2.1867034539	0.9049253472
0	0
0.9108002528	0.62221259
0.1638040515	0.3989121511
0.0601538536	0.1198576903
3.47117989	2.0134384283
1.1961216571	0.6851973161
12.6790858438	7.7940024299
4.7150025561	6.1378913919
15.0161796825	34.1718144555
1.2169168605	2.1014325353
0.1268906103	1.5169916382
5.6448355401	4.8450517317
2.6491528787	3.3893444053
4959.9595108351	2738.0151324241
0	0
1.6507315491	1.7051458467
0	0
3.949128698	3.0880989154
3.5805977844	2.2007837225
1.1412571414	5.1976604065
48.1741374554	41.6323901031
16.8350719466	10.2398081441
0	0.1457648626
2.7280465477	1.8434059852
2.2142782191	2.8993085087
3.5721712849	3.2710758792
0	0

gene_expression_table

0.5780723839	0.2722483997
5.6979496542	3.686474331
0.0545883636	0
3.7755912618	3.5465274242
0.4043630112	0.6042757077
0	0
0.413424467	0.5457383935
12.3529345387	20.19137712
0	0
1.8487285081	2.4469804604
0.3080092112	0.1227428351
0	0.2559910409
15.9460400482	20.7294294624
0	0
975.583789619	2376.4365346779
51.4455520803	46.2091599109
1.5165071347	1.8130014798
1.4786106552	1.2002872775
16.119919865	6.4238490103
7.3541183763	8.094159554
93.0500065921	55.0132874978
0	0
0	0
0	0
2.5778153535	1.7335167146
3.0612880988	4.540868724
10.2718060161	25.6516821322
0.4505945289	1.4185526243
0.7206661153	0.9477209662
13.9884580334	12.2366050509
0.9866819853	1.7093700538
0.135831432	0.4240131571
0	0.1054106224
0	0.0373407837
0.1928153272	0.5762822765
2.354714447	4.1705004869
2.4906387893	2.735506684
0.0334262988	0.0133205065
0	0
0	0.2029106183
80.6675241516	91.5471097626
0.2612833361	0.6247343837
55.8365264827	58.4561927109
16.5057394396	15.7668930856
32.6693983724	15.6939908384
117.460638889	88.3744643827
0.6094770941	0.9715157049
0	0
0.501711388	1.1596165325

gene_expression_table

0.6325514173	0.3781111969
0	0.1568485538
0.2318185001	1.2009471335
0.4261500818	0.3396448375
3.0293722305	2.0120271449
0.5782677607	0.5761047222
0	0
0	0
0	0
1.7510408832	5.0992814727
4.2158928504	6.1092699628
0.2921644451	0.9896434055
3.5920970281	2.938268716
0.997550818	1.5209758248
65.7376711707	49.8166953657
7.0809417065	5.2587756214
0.8056521326	1.5924348868
1.1104246356	2.950056103
3.7740969327	1.6472292198
1.1660053481	2.6950137291
2.2380644368	2.0653996913
0	0.3957062415
76.8719687018	65.2632494612
3.6249130402	3.014695411
2.4820776662	2.5964330015
4.8590660506	3.8727123834
48.3531811125	40.5910971194
0.2412069351	0.3011818768
0.6742094961	2.1941794375
0.5385172906	0.4292023525
0.4751555431	3.8817012468
0	0
20.033872589	21.8087874253
0.3932093092	0.1464761313
3.7939080838	2.0878435587
0.3065970327	0.6923537678
14.2277123565	9.6195435036
0	0.0227532132
0.0728219502	0.0580396449
0.1606598779	0.7256004456
26.1246233756	20.2876371786
5.3124531352	3.9921187284
0	0
0.346301982	0.2070039736
0	0
12.2370148867	10.7282927322
0.4982955798	0.3762429583
2.3284874776	1.0825629069
2.6064879473	1.7311588355

gene_expression_table

0.0619716258	0
0	0
0	0
0.1217995201	0.1941502769
2317.9090550728	3453.5059702428
0.1306402131	0
0.1542611365	0.4610523457
1.2121455927	0.7572050509
0.781274493	1.2453633567
0	0
0.8532753206	0.7225710626
0	0.0823393321
3.1969755061	4.6580874572
1.0274025158	1.3756639236
0.7948623869	1.2670226652
0	0
0	0
10.0305313603	7.0859537318
0.7193623755	0
0	0
0.3743247697	0
2.947689983	0
0	0.9418603177
0	0
0	0
0.2621758389	0.7313464409
0	0.0213027741
66.7690319185	37.5638282135
1.1534004013	1.9917491557
16.7647618324	12.5756630066
2.4294930902	2.7632962265
0.3717014598	0.1777493244
0.0549652202	0.1971346325
0	0
3.0723275126	3.97908592
11.6316685398	20.1580080737
0	0.0260983407
0	3.9783912623
0	0
6.3052983199	3.1218210294
0.3654995187	0.6554382302
14.9856099693	29.6781468321
0.0588452208	0.1172502149
0	0
0	0.0820770947
0.8529134128	0.9063712522
1.2759903925	4.4795282938
0.2387962707	0.1903224333
0.2566827674	0.5625897928

gene_expression_table

1.9880682496	1.3659529547
8.6473988794	13.3902535975
0.3240368077	0
0	0.006854
1.3150082336	0.8854397201
247.6800521606	447.8120761066
7.4749947467	40.0012121005
0.1432998032	0.3140803233
0	0
0	0.5893108039
1.1110308384	4.4274998953
0	0
0	0
245.9123943576	112.810521717
3.1810062818	4.0142029271
28.2009675759	23.6719367565
0.0302574308	0.2049809093
0	0.0124158522
9.5087061322	7.8857476056
0.5070299716	0.1136550153
2.5990552002	3.1071999704
0	0
28.3165727939	42.0025282244
57.2292301035	60.436071087
15.4528661596	12.3160511736
2.7205689723	3.5106036872
0.7124980374	0.3086230018
0	0.0216993087
0.4862287008	0.4844099389
10.0176990794	4.5071994673
0.310417072	0.4948095071
11.5933896832	8.9600186561
7.6331299614	5.0565504798
5.7040502228	4.4907300462
0.0881239739	0.140470947
0.211466559	0.4213511162
7.9081364969	56.7256012572
4.2581813399	11.4540841985
0	0.3144215327
0	0
15.0746149136	9.7139174187
0.164583329	0.1967612366
0.2839947336	0
0.050586428	0
0	0
53.7630346405	43.225418332
3.6703933827	5.2238058555
18.2776155589	23.4161890316
24.3515297858	23.7428856221

gene_expression_table

3.253683169	4.1198579623
13.2173548962	13.2654548507
1.6103052067	2.4064226734
2.3367335598	1.6432891024
0	1.0266346413
0.206915816	0.1236851025
14.2748795961	6.6527618754
12.2196304277	8.4688155197
0	0.2392373766
0	0.198169984
60.0106219255	44.544530118
10.6921394549	5.4269875531
117.7658515727	96.6208704704
144.8908607794	76.0938516903
0	0.0311692598
2.5001893901	1.369960521
35.1858762178	49.2884165177
13.6136198883	8.0554203245
1.7478594228	2.4765460908
2.7762977747	1.6270075875
0	0
3.5622236472	1.9873834274
3.7366136347	3.0657007713
0	0
3.4610047038	1.0344175945
217.6511736561	98.1293893795
6.7339947323	7.4685983749
0.8594540959	0.4794939891
0	0
2.1831240827	1.5899692977
11.9239885678	10.5974381491
0	0
0.1151120985	0.2217175978
0	2.0384065234
4.1654615204	3.8732217162
0.3372036715	0.3695365793
0	0.00638
4.4399084138	9.2397837301
2.8833034589	3.1159520791
0.1539142359	0.2657867545
12.7812392177	8.2708887205
0.006381	0.002543
0.0574065038	0.1169254006
0.0445799725	0
0	0
1.7638095481	1.3631704694
13.4802866503	4.5173175501
0.3582220055	0.3271418872
11.3499429252	9.7809770467

gene_expression_table

1.3094098244	1.2066735201
4.0490386781	3.7235935876
29.7875839335	23.5857601544
0	0
30.5720081904	20.4757325153
0.1145528472	0.007608
0	0
6.328754764	11.1500393069
1.1079918898	1.5453863497
0	0
0.1147265026	0
37.164293541	15.3486609905
27.5372610159	19.6963893254
9.8068955232	9.5319144943
0	0
0	0
0	0
0	0.1543539618
1.7145854746	1.5242150018
8.2794723838	11.8228537513
8.2151296204	3.2737602124
0	0
0.429265765	0.7868945391
2.3080961801	2.4033093344
2.5209475089	4.8934088416
1.3225965227	1.3352179437
0.50893434	0.5483442548
0	0
0.7734217977	1.2944883439
1.1226459191	1.4084142469
0	0
0.6570427075	0.6807684078
1.4998793382	4.5977506679
0.3101229999	0.5561333457
4.5329633165	4.2631111254
1595.0739286407	2419.2699791713
2.4843775087	0.9900338298
0	0
0	0
1.6516406678	0.3989000306
5.6877961644	4.5332165504
1.4078686585	1.09768888
0.0236100203	0.009409
0	0
528.1460827897	1723.6238732025
4.5672385558	2.8817645669
0	0.063172536
38.9166675668	53.5256545886
1.9159260636	2.1516924704

gene_expression_table

1.7146726891	1.4642218912
6.5518249602	9.3633244745
4.9886072665	6.9170771154
26.7004608582	64.2670169698
0	0
5.3786340613	11.5505768224
0.1948312927	0.403733235
15.34430627	11.2740962363
0	0.0339243785
0.0667422903	0
2.4968928204	1.791038212
0	0.8252952302
2.5232427176	3.9535287481
0.3134346692	0.4273062391
0.5503294131	1.7857965783
0	0
8.2286533307	4.3721992828
5.3352138585	1.7990101405
3.9421893327	4.6415239981
0.7641333748	0.177630856
1.3832382104	0.9079010811
0	0
0.6823224617	0.7137587116
1.4100218332	1.8729967712
0.7812552213	1.8679989561
4.3001322635	2.5704284466
0	0
7.7467601671	7.0694892613
0	0
34.3049950393	10.2530026643
0.0507796808	0.1922410003
0.2270309307	0.1218611665
2.4538927254	2.3903868473
0	0.1212819268
0.8890784642	0.6692354665
1.5910679656	1.3355449651
19.1938618143	22.3581082269
0.4606609666	0.5638379201
3.1272193496	2.1462483749
37.8915510816	34.3841696665
0.5217280245	0.7536758896
0	2.0668871333
0	0
0	0
6.3855293318	7.3020608827
1.6902191307	1.2685355776
0	0.0168313385
2.5584646456	2.3789682793
3.7631463054	2.307120046

gene_expression_table

0.4058845755	1.293972303
3.229642761	3.6578601014
0.3711239225	0.8873657173
2.2346127521	1.9381506066
1.3669054027	1.8883521655
12.6834474286	10.5359360469
0	0.0489276167
9.6475866284	8.4711519822
5.1188589597	4.0042180131
73.2889153988	37.9427205118
11.8375036943	15.6344467772
34.587346364	38.6381179916
0.3301548683	2.8287112092
2.9334317566	1.9638925242
20.7822091011	20.7044722437
160.2331583888	149.5236579441
8.197490354	11.094557767
0	0.0970137954
2.7922710959	5.5636529418
2.7588582358	2.0417715264
1.0028484996	3.3969308075
0	5.5967391333
1.1817060917	0.6278857936
0.7520827942	2.2977600826
2.6098861267	3.7639886254
2.8473770409	2.7989032723
0	11.1966700197
2.0069123132	10.3969078755
1.7785796986	1.6461771889
5.5187208307	3.6130225469
0.068797997	0
8.1654181342	8.2322153777
1.9858069691	1.4388210634
12.0904780161	9.6935607466
0.0523125974	0.2293144463
15.489087769	19.7518721123
372.4920134365	397.7866262787
1.5633588366	15.3674420373
7.1831006793	2.2263832715
0.3565517031	0.1065654013
0	1.8006200556
12.1250437761	17.5673198205
1.5244848125	3.5843264719
186.9264761477	202.7129612636
0	0
0	0.0332710463
18.5734407324	26.5586333804
2.0600305392	3.2055360271
1.0082884927	2.1017585224

gene_expression_table

0.6973388965	0.1389460933
0.8128989261	0.6478865907
0.0277929362	0.0387645656
0.8772465587	0.9567618764
0.3565833155	3.1261955861
0	0
6.4626607584	6.1970436062
4.0222353456	5.8772119705
0.0283794338	0.0791651817
0.9626616509	1.0770990169
0	0
43.7034702863	74.470676346
0.6017030984	0.9974887917
5.0926670572	6.0883412279
0.3026101552	0.6163554868
12.9774191564	22.1330052343
0.7000986234	0.1793519667
1.517005425	2.1914299397
0	0.0252936823
0	0
0.1530185556	0.5792954926
0.777405587	2.2847681084
1.7533505872	0.9316224505
1.2894566957	0.308312021
141.469730725	120.7504558996
828.8276648957	1505.2604314744
0.348477982	0.4292339066
0.0783503881	0.0624458518
11.0640756092	1.1870589123
12.7802050261	15.7639238734
0	0
0.2740304985	0.26880539
1.5969090426	0.597212796
5472.346673352	7519.5458510495
0	0.8544602711
19.7349911522	15.7289371713
0.336384333	0.2106506733
0	0
1905.3525155464	2512.268830919
0.68042874	1.3331710081
9.2499321574	9.4059943875
1.0623894362	0.5292077586
1.1360247732	0.150903389
57.753622666	71.9433007814
5.0983277669	5.5871829481
2.2520155374	1.2426046695
6.5397140497	9.4220566419
0.9635487004	3.0718223998
1.8723707056	1.49229361

gene_expression_table

1.3181554622	0.931966014
0.0150468868	0.065958654
1.1694622494	1.5312582769
0.5088883916	0.7435778093
0	0.0427236643
1.2359853773	2.7397807044
0.9854523527	2.6367435639
0	0.247355661
0	0
0	0
42.8923303626	55.0075959745
0	0
0.3647182434	0.5450309958
1.0621685904	0.6722653748
1.4734435232	2.3804303294
0.6432905111	0.4486189763
3.5297098707	8.4396163689
0.8256441965	0.6879557888
0.2762966017	0.1651578605
8.4703597067	6.6259233125
3.8141965193	3.457935693
0	0
0.4104968106	1.2541480708
3.3602049608	2.7363285171
0.2249933343	0.1793213887
0.5348923945	0.6800711894
0.4121956944	0.4106538565
2.9583097379	3.8398379459
3.8789847339	2.8105274212
0.0238200107	0.0189847286
0.5113182205	0.3163676946
0.0468428099	0.1182245666
4.9561129668	5.9250892641
1.6789325626	1.976063806
0	0
8.3335945916	4.6701125878
6.6102291451	3.5122684072
5.5235218394	8.2966209573
6.7077159372	6.6033400154
1.0139293792	2.7576732657
1.2682887307	0.8288852808
19.4207089689	16.2699636394
1.2253472581	0.9155728406
7.1177748798	7.7694344597
0	0.006009
1.6387058166	1.9590913899
0.0479340843	0.4393440174
0.2523345517	0.5027813642
1.5730173648	1.7910096199

gene_expression_table

3.331824601	3.3193617501
2.9311350501	2.1025231184
0	0
1.4760174235	2.4704337991
9.2237207214	8.2162428244
18.5542394083	26.4949321436
7.5746845247	11.6484700842
0	0.0430423068
484.0573554302	766.8590978408
0.5371492834	0.8766103686
0.0535748979	0.4056461876
37.1890314565	46.0640384592
0.3944517198	0.7702334581
5.5338678829	8.5092131143
1.8790984345	3.3385240772
0	0
0.7427700583	0.5426605734
0	0
0	0
7.3285464849	11.9644384547
0	0.2135755641
0	0
1.7884437369	2.5657257264
1.6766180744	1.2828261915
0	0
5.344552724	4.6856138263
0	0
19.8102760353	11.3773242622
0.1282096828	1.2773010826
0	0
8.6379527809	16.3881358274
0.0882346343	0
1.7280239338	1.615618012
6.5709723382	7.7101965517
0	0
896.8942739471	1280.3159595776
7.9532760933	11.2961044172
1.561875415	2.2106401916
1.404476897	5.7954929811
0.4533780908	0.3161775457
0	0
2.1189736113	1.5762487911
4.6186252296	7.0373573534
16.0987987285	11.6088772375
1.2840870227	2.9423528162
0	0
0.4324483768	0.8042174612
0	0
10.2748050835	15.5592849515

gene_expression_table

0	0
1155.0585660647	1019.2250978326
0	0
0.558059109	2.0014979828
6.6494841415	4.7318653034
4.5110128637	2.9608446508
15.4522676194	36.0973724574
10.3677949049	16.6396165375
0	0
87.2833318534	78.9405102459
38.4938885885	19.4808082699
0.290292626	0.8869007688
13.7853103125	26.6635648091
8.9651989265	9.1549557708
5.7185637583	2.658680824
5.1074161253	5.8404967798
1.5933636861	2.2223650851
27.1956780612	79.0158143752
8.5541778943	5.539417376
8.6183648043	8.264147617
17.9340778509	14.8975503988
119.2880811649	142.4639870723
0.6427324307	0.4482297813
38.7366906223	13.2927290992
0.0904074358	0.0540415575
39.9686419984	39.0056281037
0	0
0.04546139	0.1449322864
0	0
3.6679550719	3.3169209171
0.1343093834	0.1070455942
0	0
1020.0349974245	977.4613678798
0	0.8181135168
1.8477231614	0.6837300465
1.0490745986	1.0082628202
0	0.115555613
4.8846524784	7.0652645567
21.142915	35.8865233192
6.5737000145	9.9328180042
0	0
4.3747898686	3.8565464262
21.9313797724	26.6791994615
0.9169586923	2.1924690335
34.9703420927	52.80939866
22.6991232495	10.7794429991
49.1876332622	42.4472948593
1.6273480297	1.7139043333
0.8390279009	1.0587933369

gene_expression_table

19.9266582033	20.0458008103
3.0283946282	5.9335646512
19.8682931576	25.2070210295
32.9589852297	14.3283056957
1.5752554795	2.1971084243
1.2001230233	3.1564735095
0.4960001045	0.1976579168
52.3289329534	44.4097578953
18.9377232943	16.6362153464
15.004860623	11.4223661451
0.043855524	0.0174765921
0	0.0284896757
39.8842547161	84.7681402325
31.8694319989	39.077197352
0	1.9182211588
9.9348585269	9.8494152611
10.229258749	6.5222372559
3.0591517783	4.977924493
0.9049950134	0.3986064538
36.7916439217	85.0373333594
22.797343782	9.4342441358
2.221316548	3.0982106485
80.6142196202	50.0409764395
0.5532882481	1.157559158
0	0
432.8097320892	377.3642855225
21.572051948	46.03927036
12.0815216946	26.7808346481
42.8699767818	23.1134411747
9.4769858378	8.1826651524
18.725842028	28.7832298284
123.5755780651	204.5234185721
0	0
12.6860877473	4.0443631434
0	0
0	0
0	0
0	0
0	0
0	0
226.9411196884	340.9715334831
0	0
0	0
0.0473480581	0
0	0
10.2831999356	7.8992299813
92.4867474669	65.463841956
10.2200989577	18.3273663307
6.9502055453	5.3085594403
3.1733478746	2.33462977

gene_expression_table

15.0299193893	18.4291683071
4.0925296124	2.7181475384
2.2206157067	3.4764861785
117.0483365899	79.2498622733
14.6357215894	16.3920866644
0	0.3834528457
0	0
0.4296897566	0.7216247541
3.2158075587	2.9367971189
16.2558938344	23.4549548577
0	0
0	0
0	0
0	0.1386096289
14.8307316001	18.011741296
4.3540257086	3.7975679603
8.963823896	13.5914722693
0	0.9408098483
0	0.1136625638
0.2369379391	0
0	0
1.5533791598	1.238054936
0	0
65.4880451334	230.7544863419
19.9557555658	30.8921864596
22.9534136908	47.1793773282
0	0.0936920711
10.1162313117	7.105265697
0	0.0338249619
0.7721603381	0.263750412
0	0.0645976609
11.0830137318	6.8352496849
0	0.6972693201
3.6170489935	2.5625025756
257.9509294609	247.4161804149
0	0
0	0
0	0
8.4122408154	5.7843776404
16.1941839414	208.7440771142
4810.2635712478	5333.1753180111
45.5747732975	13.9020411236
0.0961442727	0
31.3780876316	30.9888840622
7.1292441874	4.9578772122
27.7169852421	20.0009910357
0.1259527824	0.05019266
0	0
7.3165128545	8.4068139975

gene_expression_table

80.2583809296	73.8264090301
7.5219345798	3.7143174777
0	0
28.0019986319	90.4032811236
0	0.1023301047
1.0195073021	0.9673274151
0	0
46.6903813264	37.3897897541
26.2341269306	15.3615655314
0.2029500903	0
1.8746340614	1.2642363645
2.2831665708	3.6394020414
1.1921451371	0.7674277868
26.1072744919	14.3052904336
7.5105174215	8.9373397397
7.7347907462	0.499839463
10.8332361862	28.433218801
6.3730853366	2.6501202795
7.450765534	14.6478472886
0	5.7033196022
0.006773	0.002699
0	0
0	0
3.148396995	6.9005645805
2.5540449638	1.5808329768
0	0
37.0765131257	43.2102877637
8.2729844046	5.2749049003
3.6421387704	4.2396335194
0.121995628	0.0763961298
13.1018646644	6.9792824586
7.3570468455	1.2215879094
7.7692287966	13.1195841174
11.2220836446	6.857132231
3.1920703348	3.2346467599
0	0.1638425407
4.8315078086	7.5181275477
0	0
14.0596114307	16.6483446923
218.106358991	200.5136720396
0	0.007657
0	0
69.0023674728	147.2822244718
25.7575168609	43.196302201
8.9559299917	6.513373829
13.8258887312	19.4560184109
0.0390484093	0
13.0698873761	9.4775794768
3.8144469616	4.7940717654

gene_expression_table

0	0
12.6485304481	9.5503968066
0.7730239941	0.9430193394
1.4559870671	1.9340545028
11.1796738131	10.3201397147
0.0366978371	0.0584969073
3.6667056433	2.678859446
0	0
544.8980688785	651.0697138462
0	0
0.9201898377	1.5246963795
3.6569042315	2.3968588187
1.3716204006	0
0.7593210235	1.966849941
0.7618145609	0.455378974
14.5594652243	31.7436452099
15.8366089282	9.9172048343
2.3170480797	1.8940562456
25.8003260299	12.1984224166
19.6814214862	13.6020557766
0.7637349089	1.352672216
3.1757832819	4.0779208542
0	0
17.0057178671	18.3539494207
0.4843004433	1.3123697919
0	0
10.4382154874	9.5234511884
5.7108101469	3.0167308779
0	0
4.2953115513	12.6144692503
0	0
0.7846933356	2.110747011
17.3673785389	12.599707348
0.9929398681	0.6217990294
128.326983547	75.8652351016
843.425632168	776.5260796532
13.983261223	6.501112874
3.1918428542	3.4978939729
10.4998231923	17.4063520321
0.5286147795	0
0	0
23.5170851445	7.9298554419
0.5003014986	1.7544739403
1.1410280706	0.454704
0.7179681202	1.4067223006
3.9696115008	1.6298417118
0	0
1.3054446163	0.8894162774
90.904880201	76.8428997244

gene_expression_table

748.2808330075	218.3823308772
48.7039678541	22.2993750525
123.9822098429	156.9167327665
8.0135359452	10.8952125589
0	0
39.737349409	12.8192013117
41.7457150407	16.2928185639
39.2248271348	19.2785316882
11.8503876453	2.3612121395
11.390342956	1.9735194483
40.0829652056	40.0960249085
107.715695728	64.3876679778
0.2022657552	1.7732806989
1602.3922471092	2488.005837484
33.0240069547	13.1601916244
0.2365212435	0.5655276584
2.0809347275	1.2438905344
4.6820166188	4.3535364221
377.1045347304	250.6704908085
279.3371263727	81.9124365416
4.6249071303	3.3405153952
0.4985437668	0.8185268927
1.7314247189	3.7948861303
0.8831471839	0
3.6691906382	3.0705913168
0.9429836655	0.3757825558
0	0
0	2.3806525824
6.0352127849	4.7629522805
187.1672893804	97.3168134885
73.2887381523	55.3958581128
5.701930674	5.1125420941
0	4.4379206328
243.7355964346	82.1404275485
44.195830203	28.7636520773
0.9786662548	0.2600014684
8.9157822472	9.8013046431
2.1051569737	2.7089899376
1.203570827	2.5899886343
5.7791422688	5.1400514007
47.6465853767	22.3380522455
6.7416106152	7.743606387
0.132571887	0
1.5742865251	0
0	0
9.3244898332	7.4316889027
7.853928005	7.3774328645
1368.5189413075	1968.8419329235
6.9547840733	14.253468413

gene_expression_table

0	0
9.3765675154	5.8177405743
0	0
1.7933635822	1.5102294863
0	0
252.8221158159	101.5630735784
1.1884428436	0.8524781393
0.0659616641	0.052571945
4.1391275563	11.2712961958
471.4854090277	334.7940290525
0	0
8.7952365755	9.1128310707
14.3845222457	6.9905932903
4.6647214502	1.4761925473
0.4042294738	2.1746741429
57.9875714293	27.4410664052
6.6595605862	5.3077201424
11.2718096662	6.1532311876
0	0
0	0.1087287114
16.6188068156	18.4588960077
1.2575376045	1.6756651063
14.0630895458	4.2698623634
1.9591315962	2.1713812489
0.5651633805	0.6756592315
0.9547693623	0.5918565342
1.8036273745	3.0498409579
40.2535258215	44.2004314575
0.3348567059	1.7347416226
13.4669775367	5.8635527091
6.7896123445	15.3322217352
9.7604566471	12.2379432894
2.6299281813	3.7508668407
9.3888157685	9.2097934271
1.8735336687	4.6040965429
0	0
0.3907023009	0.5189878134
0	0.2400621252
6.6967093075	1.6308502082
65.1133722032	89.1106371546
34.5586091421	36.6468239739
0.1846532029	0.699057495
0	0
2.8338108236	1.944878563
1.5911543609	1.2681620569
0.6215057161	1.8575428319
0.425876107	0.1272849291
0.2592290484	0.3099112675
0	0

gene_expression_table

0.1349144486	0.0830896912
0.7941022271	0.5876979453
1.2960179503	8.435644866
4.4672120439	3.9164419548
2.1688159381	1.5557064316
2.0631433126	5.2070792641
33.6640108226	20.6136546799
0.3906444737	0.6538278586
6.0295482982	2.903380666
12.5280197263	6.7041649025
6.577605164	6.045016716
2.6595759141	1.839741457
14.4423559827	39.7757490297
1.8531441501	2.8554751398
0.3957668461	0.7279134666
0	0.0340845421
6.1560758176	9.8128779496
4.1401420484	2.8719824505
4.9795787809	3.6554386296
0.82238059	3.9326612913
29.2679348766	36.2397962487
0.8112815037	1.541886329
3.5122870522	2.2820538083
0.1915996438	0.2612082556
99.5365161455	191.4300112114
3.0223908113	4.0950761609
0	0.1213623943
5.1654983771	5.6441936692
0	0
5.4105102755	10.1171259084
3.3308359848	10.1026139101
23.1996267528	13.4316169958
75.6190328469	29.8833498928
0	0.0117843343
0.1650701749	0.0411131805
0	0
3.2262079448	4.2855202108
0	0
0	0
0	0
0	0
0	0
0	0
61.3354377536	0
278.8374357714	298.8684911413
3392.7933298952	1992.1029170866
0	0
0	0
0	7.1459002292
6.3194087383	2.9380263194

gene_expression_table

0	0
8.4122408154	5.5871829481
49.1040103411	0
0	0
99.6404843044	28.8778979659
60.4140899762	0
16.5605681935	0
0	0
2.195917679	2.1066776782
1.1746063889	0.7021276302
2.7111870116	4.5377567518
0.5437454792	3.4669540667
2.6321022746	4.3454540741
42.5865204882	29.3726932272
235.5138719922	160.6333074355
0	0
29.2650373481	0
0	0
32.8659420137	25.8669742418
0	0
29.2650373481	0
0	0.5748648985
1.2581206564	2.5068291906
0	0
0	0
0	0
0	0
0	0
514.0288722977	0
0	118.846010167
0	0
0	12.4933890421
0	0
0	3.5503365063
0	0
43.3567237098	28.7963638598
0	0
0	0
0	5.9549168576
0.2989780163	1.5488703079
2.2223686398	3.0996780675
11.4481464459	12.1132407693
16.0214921061	6.3846251763
6.792126771	9.7122341188
0	0
0.6275739173	2.2508152082
2.2247771676	2.6597463373
0.8412408393	1.1733317922
5.4800738247	3.6397168958

gene_expression_table

0	0
23.4719820751	22.1815688152
0	0
3.8711694447	5.0817551131
0	0
1.6544996432	2.1428041796
0	0
527.6104888582	1181.0404913135
237.8043443587	206.3451707859
54.685617272	54.0774996478
3.3968346922	1.3536514672
0	0
11.6326558483	4.5390811403
0	3.8203016889
2.005425542	0
101.7086919397	81.0625965301
177.4223373645	309.6928948269
36.454080929	30.0918273616
17.6220367607	29.4942827435
82.4739319665	35.0943888612
25.1255325321	8.4722166738
266.495735718	248.5521575273
1.0566872409	0.1403646202
25.0877045705	13.1785822032
7.4142498684	7.1754731797
132.1161171601	42.8989995507
93.8710334026	71.4907712611
27.4840581475	29.4637705109
2927.8869082217	1975.5727242297
33.9293157368	34.2654480875
510.1683914634	165.9624757362
0	0
63.1820458262	46.5560725465
17.808152624	13.0486167872
0	0
8.4637081115	4.7929542834
124.8879813256	38.4349500203
2.2143279793	0
1512.3494094047	2079.566644018
3075.5865885363	4580.5643303185
0	4.1533359721
11.2653458839	9.8418894901
18.9493325376	12.1279749953
2.9350464897	7.0177627355
4.1128383317	2.8096827848
0	0.2036127652
17.7861698107	18.2259152054
41.4457474864	39.0384967015
90.2008245617	119.1332249847

gene_expression_table

0	0
956.7670039134	984.8324743438
13.5762198336	10.9842945567
25.0986529335	23.4660151195
13.3460879684	2.9009817341
59.7184125765	44.1963102051
45.9469770353	51.6010332571
82.2891511881	97.039142637
0	2.2802974308
36.8808656758	34.8630411496
0	0
0	0
0	0
0	0
39.234545271	49.5111963074
207.8673278367	131.954700395
4.9541095295	3.9484627547
11.3826007799	61.9921290769
0	0
20.2533824823	15.5329631705
83.6401051782	100.2850706869
9.0565607308	0
118.8011118861	154.7297746201
19.550670784	30.0510625708
445.3297887561	739.9217384841
255.7052432348	195.8494054687
0	0.3538020612
12.5479819172	24.5333019595
1.3227014688	2.0498393067
0	0
72.3830005314	68.5066359991
25.705776049	22.0242752223
17.028003586	21.4881253866
34.5372050182	29.8690870405
0	0.271990481
0	0.1359952405
0	0
0.1031697667	0.3700218786
37.4345688949	26.5926307186
13.3300028073	61.9739926755
1.9654402352	4.6994121864
37.840007969	27.9654072018
15.2963683395	20.5728545717
36.946149513	47.5671977701
224.9666227197	391.2002167789
120.0447729446	78.6382945778
40.0046728913	44.2262306995
5.9169747644	10.0212314584
0	0

gene_expression_table

9.465454443	674.1137494268
1.0849763346	34.5893737005
3.1795453028	85.3998995356
0	0.8039342582
0	1.5525966454
0	0
6.5685874776	6.5440173587
38.9379494632	28.2275886428
275.2571331045	353.0056082031
69.0732360461	57.292375368
59.3631332186	62.5909790323
0	3.0477120273
0	3.7322233399
54.241468686	38.8641070769
0	4.3256721776
0	2.8514067068
0	0
50.3206257329	38.9708460156
68.2000143627	97.0641555904
0	0
41.7551108343	48.587543027
7.4619504974	5.9472309688
2549.9723654578	5376.5398448719
56.6855935074	28.1054452963
47.3424314948	29.3473256795
30.0274038673	10.5156056055
160.4607932862	111.8546877777
19.8932772251	17.4406016051
99.4414024177	84.9166603257
71.1237576935	88.9283079231
2.468259331	8.8524960756
914.5282292307	728.885913757
0.6280405844	1.0011061892
7.1189226051	15.130227053
21.8014707761	9.0499672172
4.6770696434	2.3857023173
40.3768105845	37.7935227582
10.6815736657	8.6349134783
0	0.0204757325
2515.469893617	1461.856326246
211.4825216353	189.1084333269
2.935742084	7.0460146519
1.0638518925	0.4845131443
2083.3909000095	1760.4174892529
0	0
6.6161563979	4.8379657368
172.135469322	141.2086834234
1.0701670129	1.64025231
97.0886235163	56.1280127286

gene_expression_table

9.4749578723	12.8458044352
0.5409454679	0.2874250854
2.3129918605	4.6854913388
22.0367417203	20.1394224125
1.7259858365	0.9825884018
27.6420643262	29.2479644739
7307.237691756	9046.8717558799
0	0.1194127146
0.4683106981	0.3732471675
3.9051140167	4.1981282129
0	0
0	2.8436287664
0.5419868691	0
6.7869641166	4.8683355476
0	0.2413680618
7.6045198014	7.2083041098
0	3.196086706
4.2989980734	1.8689094386
2.8573488862	1.8454215065
0.8383849294	0.668199128
0	0.1071768983
13.6758108053	8.4067024989
5.3802162911	6.0660545807
411.6903437168	174.8317850008
18.7600186567	2.8357007573
19.0997055149	13.7162056284
1.3552637847	0.3411017318
9.1270683238	6.3203303401
47.0470687315	14.9987478072
0.4246299537	0.3384332839
91.7184099329	63.8104407306
139.8855490506	215.5470246103
0.6008273242	0.4190059304
1.3091445222	1.6023613419
14.6748724701	8.9439880097
0	0
4.1056644604	5.4725487081
32.6975052688	27.7095360841
0.4299278581	0.2998237845
2.3101747776	2.0337186549
0.1789474418	0.2436467097
224.6906681909	257.1961629977
0.0223103353	0.0177815059
24.0428961097	16.1367326282
6.6029669504	3.94696094
0	0
0	0
0	0
0	0.4560965672

gene_expression_table

0.602022195	3.11880557
19.903121901	59.4860199351
7.8893331832	7.6216463042
0	0
6.1282032932	1.4652673086
0	0
2.1811605234	1.3038010722
4.1488193175	2.5718313963
2.8928242837	1.7542630211
14.0005568676	7.7787966564
1.4467094516	1.729557558
0	0.848514851
4738.0500931715	1699.5463748952
2.8695919418	2.0477402165
24.5079633759	20.9536162781
182.2082820273	34.4070259553
50.951626181	9.2292798475
7.9486885673	6.5063855636
0	0
0	0
1.808851576	3.6041709585
211.6478486598	84.0899455029
2.8799055712	2.9493454697
5.7513719977	6.8758304554
2.9868849895	3.7439872401
0	0
490.2469839227	248.028959801
3.1254577604	2.8831174395
361.9442237927	170.3658773655
38.2513124034	40.648780289
0	0
121.9462985698	77.3119152573
28.5572227848	59.7256689464
16.4840734734	9.1235633334
80.7000843131	59.0226563477
1.7692279375	2.8201760879
213.2207675272	200.7301844872
132.7469159228	27.1554092387
10.7723789063	14.939061349
126.6521603486	178.81283504
14.5249405025	19.1735572703
541.0320763367	272.1820355838
6.1392553832	5.2236432966
860.331208491	714.1393387003
0.1571878123	0
134.4972574475	95.4038447372
14.7444044878	16.6723013949
2.591187652	1.1473311953
1.1205606563	1.339642974

gene_expression_table

15.0296539195	10.6263085484
2.0829362185	0
178.545630165	162.9414701748
96.6224729166	45.9828074506
0.5238150919	0.7827836043
10.9419972123	9.8583572771
20.875459564	32.9558386395
78.3328952978	64.6440641403
0.8126674023	0.5397517204
66.9259842436	34.7726145298
38.0468855849	68.7451053588
42.5717606011	39.4696094005
225.1154313664	98.7002653463
7.551761247	10.0960697547
0.2750172508	0
116.2869146378	61.8515304363
5479.8583494297	3196.9899895124
139.2791850045	123.5873074592
78.4796702072	36.7934650392
0.8087144068	1.6113787429
0	0.9536776062
18.1526635688	14.4678101229
0	0
13.4251399257	13.6424209919
0.2553223518	0.3357648442
1.6553616414	1.8119990928
0	0
0.4279867122	0
0	0
0	0
2.0634742395	1.0725681988
1.7416962161	0.9754532811
0.3415958786	0.4764453718
0	0.5975469428
6.4044176186	4.7640779835
4.0176658003	3.8613679674
0	0
0	0
0	0
200.6782481276	80.1054456874
8.6339873605	9.8919452405
0.1862214971	0.4081548385
7.5981166598	10.2807027762
18.1596890466	15.5589151929
0	0
2.8261165821	6.9181971616
0.8134545847	1.620823637
27.1286155537	9.3780918325
0.2052563862	0.3067329221

gene_expression_table

23.8388996427	22.4293470363
8.6893688391	3.7561994132
0.1628858083	0.5841954939
0	0
0	0
0	0
0	0
0	0
0.0208516393	0
0.6093286162	0.5872849942
6.1010101183	2.7014173312
29.810101847	26.8048863939
13.4986697751	14.0419929717
11.9939049271	8.038445862
2.3910454318	1.3498575795
0.6358937397	1.2839240341
454.0800956277	478.9922686807
23.6854152962	16.7070524946
5.3854408552	9.2881195889
0.0425004744	0.0254048996
4.5388487633	9.6466580909
0	0.007437
1.1014553135	0.8547664183
0.285776295	0.645336626
0.9605461035	2.8070625275
1.9566271463	1.3717354619
5.4234185954	6.7539150451
0	0.005431
0.3903296611	0.330539172
3.6868734847	0
1.1236343837	0.7734253136
0	0.2438396731
2.7051242594	4.9980104066
3.3658844239	3.3179963372
6118.9935884686	16285.4802461107
8.7053797379	6.1981731047
0	0.0564240811
365.7544742124	279.8487182801
27.497427263	25.6851505267
0.0353796038	0
0.9643325631	2.1135959471
0	0
0.0254297454	0.0101338497
0.3098499442	0.3704291226
3.0818844935	3.3920129566
5.3548539085	6.3306575982
0.1762049265	0.4447160861
59.4752574408	79.1376210926
3.055884589	4.6204065147

gene_expression_table

0	0
0.1521716138	0.4548072256
0.2714794886	0.2975104071
4.116780388	6.8517194686
3.7550639244	4.4892215116
0.3187161894	0.6350480322
0.6983975989	0.3618083086
0	0
0.2037137304	0.2164818447
3.4928844161	4.4921301279
63.7907082982	34.9050656097
22.1328348498	4.4100091823
2.2678504527	4.4670922125
0	0
2.1391747578	3.8361115282
0.3131726209	0.7488028406
3.9284869367	4.8388704076
1.6606371388	1.5073654057
2.165415347	1.4382103375
3.5951321056	7.7773717103
0.9548233315	0.4280632959
26.8816232752	94.5214279917
7.3772894079	6.5330616004
0	0
27.8392391188	22.9347984478
6.7562058262	9.7956570122
0.1403039312	0.2096686764
42.0225685559	24.9045344024
2.73555516	3.2249651757
1.7383446641	2.0152346785
0.0380050028	0.1135885298
6.777728509	6.7333553103
0	0
0.8809915487	1.4043138515
1.0520225826	6.7916066197
0.8116802152	0.6469152689
20.5053067307	6.2102961145
0.0574862393	0.0114542419
0.7472810311	0.6948534043
0.8856253123	2.0469652043
6.8048904473	2.0338309277
19.081511987	34.2182460048
0.7796301904	1.553427892
0	0
18.0012946474	22.9976662695
0	0.6370848018
0.6223875644	0.5185952129
0	1.4201346025
0.010405812	0

gene_expression_table

0.1067799689	0.3404177706
0	0.0191668774
0.1744168087	0
2.9148963593	3.5071300664
0.3340356021	1.2867730199
0.7469215199	0.6151455024
2.0143601422	1.913173482
12.1686676596	3.6946743376
3.6231038208	1.5882026274
11.0207339935	5.5895689337
8.1158453991	8.6245201997
0.7037115544	0.168259029
1.0083210698	1.5342208959
0.4933173942	0.3604128855
0	0.0377332065
6.919826916	8.6135557096
3.589969852	0.9256930673
8.1571817994	12.0498892092
0.2133622494	0.3886887454
6.196279727	4.6242147713
0.8901091603	1.1626666706
0.130254587	0.5190694538
1.1638747335	1.6619803922
1.4813452212	0.8116922978
0	0
64.0398389883	35.8330423276
0.4143635702	1.7613381258
15.4202473789	7.9007488449
12.5298497196	7.9378957446
0.6793013688	0
0.2128511177	0.1555069544
0.1048793211	0.7941013137
2.5008741859	2.8652474769
3.9403282429	4.8189992231
0	0
0.9034583221	0.240021038
2.0281168424	2.4785175034
2.0104004156	2.0368275414
17.5320284046	6.5715352692
91.2881572891	43.2936307162
5.9353345689	5.3369817267
1.1594129442	0.7633546427
0.7195094543	2.0070906644
0.9527359399	0.5922834435
3.0068025829	2.7776969112
0.1320985071	0.3421714042
3.749951062	4.3170679516
2.2970762018	1.8307871018
283.0883644538	192.2824326031

gene_expression_table

19.08199032	20.2513058649
0	0.0175617269
0.825982032	0.4840543567
0	0
1.7021140223	6.7829887302
1.2789279589	2.833096808
68.2544810028	47.9994154012
0	0
18.9923314115	22.2009798889
0	0
0.8481597303	0.8449871479
2.0843069771	2.0303658477
0	0.1015130816
1.1794222318	1.065342895
6.8261319197	10.3501790943
11.1737121677	12.801703811
2.8807934906	1.3871752426
0.1693717118	0.2474826474
0	0
0.4626085073	0.0691317147
7.9264726862	4.6451901953
0.1375252841	0.2082565134
0	0
6.2899474058	8.2716738108
9.8664631418	7.3721678698
0.0276598462	0.0220451066
0	0
0	0.1244295213
0	0.0133320618
0.006888	0.002745
0	0.0215373486
0	0
20.4943754662	27.6424452811
1.6770695138	1.448023507
10.4691224768	12.1583559572
1.3318147638	1.8575662648
130.3378052265	129.8502703677
0	0
8.9643901022	13.3367484959
5.256437407	4.8025062653
0	1.3365574648
0	0.1039443795
0	0
0	0
1.2073265719	2.1964365808
0.4009839125	0.2511042366
0	0
0	0
1.2597532633	0

gene_expression_table

1.9451970047	2.0154377374
0	0
0	0
0	0
2.5283310219	3.2745357808
0	0
0	0
4174.5511061154	6617.786956791
0	0
2.3905040272	1.1907811157
0.2162684821	0.2585514233
0.2363936091	0.1507259951
0.2150197502	0.0856861834
4.2443453252	3.5014691879
59.4901416919	150.7619980528
0.5267060659	0.7608670498
0	0.007251
14.617646914	6.0730678814
51.2508481967	22.7483006288
0.3034669478	0.1746806042
2.594023414	2.2338033319
0.8441438838	0.5810450958
2.1544380958	3.8021576455
4.5546920993	9.2403157452
0	0.1227817909
58.601275317	149.2154836993
0.1560735654	0.5286652
0	0.0578672108
12.4394511881	40.2238801466
0.1955718985	0.3896807047
6.2641585319	2.4297231015
287.3832272	155.5752066338
5.8526232291	7.4265102769
0	0.1670477922
126.3123471352	297.3332735163
0	0.154273306
6.4862431159	6.3859577041
1.5258272499	1.2305731871
1.8076487806	1.5196527462
8.8233264758	7.8359445365
3.7102889629	3.2387596304
14.017116354	16.7576215835
0.7890192957	0.6037001709
10.67652603	7.4113013974
0.6794762493	2.1887553216
3953.639041578	3147.2745585231
1.8987085855	1.5132850994
0.4212438572	0.6122218071
0	0.0357636703

gene_expression_table

0.9557777946	1.1849633122
1.1884571776	1.1840116961
0	0
32.4889975212	21.1633463289
0	0.0777309492
2.7579760281	1.2947875778
0.2355174083	0.1329606516
0	0.2456605538
1.0174544969	1.7811255011
1.5061908316	2.250835278
3.5522753107	4.7860597634
1.7208414382	1.9429918207
5.3294407855	6.2160067372
1.2881115451	2.3332605483
18.6564941797	23.3121430672
36.6010905405	24.9455901976
5.4036995608	5.106621728
0	0.0826024397
0.7451028459	0
0.9644068899	1.9215989586
0	0
0	0
1.9670698472	1.5155105572
0.0288685598	0.0460169209
2.4433268908	1.6148756154
0	0.0236200753
2.0407354521	2.7446876764
3.2652477301	1.8926742768
5.1276137228	5.344207496
0.1107042088	0
0	0.0217543442
0	0
12.9112432602	10.5047409736
13.4041585889	12.5106079163
0	0
0.6608546812	0.1801889556
0.8687454474	0.6125047647
2.7213203308	3.0865298684
2.6160576428	4.4202375711
0	0.0926643928
1.3168262989	1.1855694731
4.9933604931	6.6859733968
2.6815512576	1.0875217357
0.122921539	0.1592002686
3.119548564	2.5102105607
1.3171930569	0.524906413
6.5780077664	13.4683718506
0.6543993768	0.2607806257
1.0663571394	1.0198736439

gene_expression_table

60.1124919089	24.6298455811
0	0.1155004134
18.2235967147	7.105434659
0.2917345333	0.0581286572
4.851846316	3.3581479108
34.2525556459	17.0622161531
10.1189583527	7.829660469
76.9362429232	28.1990627632
6.5639929888	8.9917300768
441.5387972521	255.0469740229
94.325130085	85.7167917016
0.6624850793	0
4.3492918166	4.9829765425
0.1881228846	0.2249030423
0	0
2.6281917107	2.13925651
1.2696562006	1.2065266676
0.0101974976	0.0182868361
0	0
3.6479580355	3.2837083909
0	0.0935420838
0	0
0	0
26.4560849457	32.8544623936
23.3376340942	11.1601625021
0.29507972	0.4270387631
36.9052210213	62.2452741703
3.5924391585	5.0756748066
0	0
1.83598317	0.5121523641
0.3063968257	0.518926247
91.1474644508	48.870419627
9.7811575096	17.6794352627
2.1578114455	1.719792038
2.3489775664	2.995444611
13.4801831003	16.7477004864
1.7438357824	1.7253314122
134.8603424453	134.4328855973
4.9356532133	6.9597167244
162.8186550543	66.1138751877
0	0.2330701213
1.1047310441	0
4.7726739221	3.3077019163
0.6009427495	1.317128767
1.6166993522	0.314273563
6.2400976691	4.5511347877
1.5412899951	3.8270000848
24.4272754023	10.862983234
11.8715556753	5.072262074

gene_expression_table

51.0681707548	34.7008238802
6.5622781283	3.8261087005
2.8733380209	2.480911473
0	0.4001663347
8.6662604003	8.8805250869
0	0
3.5383092644	4.2300888572
3.095455997	1.069077462
9.1465126475	7.0620322481
846.8820739447	357.2156419622
0.9455380594	0.8563647533
3.188617959	3.1867755121
31.1505376679	16.3150263831
104.8953515393	109.0602584558
3.768822353	2.5122522906
97.2236669681	51.2662305324
5.8804678344	12.6182466529
5.072911153	2.8638968874
19.6062217456	10.9384148864
1.5146046265	0.9053635048
23.365058219	32.8022806401
0.8801302371	1.1159757221
9.0846598626	6.3354747774
0.1163883154	0.4638118371
0	0
6.3301028692	4.4919446917
58.842532228	27.0335277187
0.9983793298	0.2983934531
0	0
9.2463122052	9.007020907
20.315642508	16.0632149726
0.472952423	1.0366033074
7.4954019844	2.2343297063
2.2525787178	1.1338877499
8601.1630852606	4532.7744408086
0	0.2024809298
7.5773131922	7.3332850321
2.8729292957	2.5499448233
0	0
18.8443656044	9.9784443966
4.9770184909	6.2439132679
18.8085115669	6.3421455885
34.0655226812	25.1786566493
0.9347837085	1.2191394827
2.5401248661	4.4792034292
11.1598120786	12.3374692975
271.0414305408	99.8269387609
3.9808034709	4.7590956998
62.9663750895	66.549245662

gene_expression_table

0	0
25.5184860371	13.3168267608
8.3619791359	5.2157430775
2.4353776755	0.9705072111
82.9490240534	55.1371087917
10.6507464467	17.1290352869
0	0
15.434175978	10.4559817139
2.6617659338	2.5033081394
2.9971219939	3.0522646945
10.4657865907	14.3238087261
0.4719929909	0.7641196523
3.9771345775	4.5915576997
0.2353863937	0.5440537334
0	0
244.4664882096	232.311185674
2.7532565454	3.1348089786
0	0
2.9728009947	2.261647377
85.6650618577	25.9447667765
0	0.0800606811
1.8343881193	9.3813027095
8.1582530842	12.4006040613
0	0
1.333561544	1.7123833549
0.4229768917	0.6929602163
0	0.006119
52.8801289914	18.8003603001
0.9357553701	0.0678003732
0.4871261018	0.4853039831
0.2160451852	0.5713565533
26.7298737054	28.0937545821
0	0
353.2548557268	729.6617129835
1.7246510544	0.9242730571
1.8179363259	2.2941059132
6.1532581742	5.4811572084
15.3402253375	24.2584833069
69.5375658909	31.3367189873
1.6228667434	1.6430146508
44.6634794375	36.8317133996
1.039929297	1.0656405167
0	0
0	0
0	0
0.1165841178	0.6039697521
0	0.0470077739
0.5747630265	0.5038995259
563.185170013	224.4314194678

gene_expression_table

0.7641624123	0.7917561869
0.6348520118	1.879361171
1.6128421374	3.293958908
277.8508876301	279.2635169611
402.5258700412	302.4902740987
14.3435461329	6.9408053684
0	0
2.5475127762	2.0437447541
2.3351829735	8.3752131916
5.8119252537	0
0.9102743769	2.1764866839
6.1901860002	17.2676876689
21.5154496973	20.3632216121
0	0
35.6426813752	9.4691621875
129.7057111177	561.3158923129
283.7091467743	431.272056542
117.8818770423	187.9054946956
19.629430846	68.6633099955
0	1.0634183279
0.7162979657	1.0602333761
30.7550792132	33.2618947997
0.4219978847	0.560559175
0.0133661014	0.005326
1.0727035948	2.2303118509
0.1530930285	0.2211545461
2.0080574842	5.6015294949
0	0
0	0.0253795105
4.3395039659	6.2255114519
0.6202733306	0.3295750231
10.3689508003	8.8688247903
0.8440555348	3.0945057597
6.479214827	3.563148414
0	3.6711594764
210.6078828158	221.7610748038
21.312265869	15.7013787828
0.0581812292	0
0	0
139.6870413056	148.3479816612
5.6567803074	4.8090631231
9.6860573382	15.3227542863
0.7105315662	0.0566299031
9.1077172308	10.1394431104
14.950355348	17.6811331557
0.1108395395	0.1435524205
1.9342736368	1.7214876309
0	0
3.9395872616	2.2876274662

gene_expression_table

16.0659644561	13.0490595631
1.9445931519	1.3608486841
0.1066788148	0.170047644
2.1998285587	4.3393679875
0.4305585638	0.8710944785
0.2123847395	0.3855645543
1.1674752815	0.790913633
0.6793013688	0.5414083274
0	0
13.6812953831	16.7136551438
4.292755831	6.3615891235
4.1663208021	0.7546793596
0.1135777287	0.1244681743
0.949789143	1.4231395619
0	0
2.1554749257	0.9203195432
6.1151798718	7.1131786008
1.6685753409	1.70982921
243.2062501713	265.7919460887
0.0387845472	0.065687102
2.7674746313	0.330854731
0	0
5.4293454478	5.7696391668
112.8246712256	99.0605425028
56.1222590102	66.5865032679
0.0310449933	0.0556719625
2.7016981326	3.1032475931
8.0792432573	5.1884346201
6.7248902148	7.1273781255
1163.2289368422	819.1905581361
0	0
5.990822751	3.1091271831
2.175519746	0.5201717062
4.2654572802	1.6998008525
2.6688311399	0.2127078598
23.0802554901	3.9418153164
0	8.8231012092
6.7165201663	6.4237408301
248.9888520802	138.2257500383
0	0
54.3962536707	22.5189423632
44.0417101321	63.0432576133
0	0
51.6950426781	19.0633065201
135.9042539731	147.1833050946
3.3630150721	2.2700910269
12.8657800706	15.907038511
3687.2661526044	2836.3237786461
288.64809921	142.8927695083

gene_expression_table

31.7351699958	30.5368765154
11.9836279418	11.5976939566
10.5181957838	6.6917580964
0	0
47.735325987	33.4703341133
0.8031448156	0.1506147037
0.87004937	1.2956302839
0.0382471551	0.3657992618
9.046582882	8.0685515043
0.2887365229	0.345187788
8.2697442266	1.3731351415
0.0739196163	0.0294572466
16.1330683564	9.2711322514
36.0963088877	17.6049294914
0.0657625927	0
5.6402820138	3.185353535
0.0234134318	0.00933
169.9232586424	412.3005784714
1.958072892	0.6981626661
1.6306970816	1.5027525769
0	0
0	0
0.8966075884	0.4083445872
57.5557130556	47.5106363074
16.6042881679	14.9667334042
6.1436567907	4.4204883273
176.1705303963	98.4688210365
2.1115569069	3.8707316884
45.2770636612	32.1457191061
7200.6944815233	4116.1280495806
0	0
0	0
5.0543924468	3.0212917486
0	0
0	0
0	0
1.6270005045	5.4462731583
2.8714562316	2.8908282046
2.1494095227	1.5703376719
1.7973037493	3.6323211483
0	0
0.6146398989	2.8167677198
1.28731051	5.6429791563
0.3772305298	0.7516389616
3.5831626643	3.3091105523
57.5918238803	61.0718279604
17.239782611	5.1126463616
13.9875997358	10.0192888046
0.1814213554	1.0302336182

gene_expression_table

23.0536866447	41.048214258
3.0465280737	4.5310190653
27.8996073326	17.1278822452
24.948824092	15.6234582805
1.8268643739	1.4444689678
0	0
0.0388434105	0.0464377379
0.1664359034	0.2874097925
37.0916673127	16.0647975466
25.4868985713	16.6898061256
0	3.415817667
384.4883177477	131.142231496
0	0
9.0156808056	0
13.5778824946	10.3764795241
11.8494455109	5.2467209277
20.9557497931	17.5657819545
0	1.6583981315
22.220178318	12.175384467
38.9038869974	44.0218468122
0.3433623516	0.1368311952
20.2977403958	7.0776355009
0	9.1909312068
0	0.353334069
3.4510977874	3.8362948597
97.5554900511	107.2490326018
173.8702946103	194.1739474808
21.7674410959	11.6066016812
0	0.6742862351
35.8647821774	16.851244855
16.4370219501	1.091702565
5.2057060013	3.9465974332
1.3688979544	0.419623854
19.1146134389	9.1167035406
0.3687388573	0.195925105
4.2292888226	1.9662855162
9.8220265836	8.39315323
0	0
1.7794162607	3.3818811269
0.6380998624	0
0	0
24.8124951529	14.6905543591
6.3757518235	4.8469906089
95.1841792698	185.3621721217
5.988293944	2.9166595046
133.6146407606	166.0697680499
0	0.3462032759
0.1648300113	0.3284269133
1771.6952696646	1381.4277728907

gene_expression_table

94.7602544839	57.8616188479
0	0
1.8959077352	0
8.7301432427	4.3013030179
0	1.5394941145
0	1.7453427753
39.8283673206	26.7228527307
0	0
0.7953713959	0
0.1223417876	0.3250244327
0	0.8679454866
1.2654036106	2.0170724916
5.7448332994	4.006341131
1.6882730414	1.5474013365
50.882460216	40.5537055318
2.2172857555	1.7495215777
9.7689951822	1.2006391584
0	0
0	0
0	0
0.0385005196	0.0306852052
0.640247565	1.2119201073
2.8140584072	3.0278148686
0	0
0	0
5.2099020022	4.3532505455
5.4931791954	5.556826027
0.5237819572	0.4800769074
46.6449570329	39.0992998392
0	0
0.673322633	1.3416080742
0	0.0740131636
2.8284330933	2.129044642
0	1.3333804801
0	0
0.286294982	0.3240145569
3.2359730953	2.5790950252
2.6870354348	0.7138625197
1.4506966843	2.0811892079
30.2123920775	52.0067658068
10.1484397963	7.8504896283
0.9953927963	2.3800067555
7.8078748614	22.6692643165
0	0
2.0347129005	1.4865414363
5.978290565	2.8588456705
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7.3205220266	6.8271046353
4.5626329094	0.7575943601

gene_expression_table

0.3835972031	0.1528649357
0.5465152101	1.0889418872
5.6856811184	14.8533510956
0.2847000794	0.2949805508
0	0
0	0
5.1253289401	2.3209806361
0.0833379194	0.024907857
1.1850769106	0.9445152585
59.3044726077	86.4332573634
2.1599304851	3.2277767411
4.8240174655	8.2388108487
0.6779926291	0.4052739389
0	0
0.2054641073	0.6004403059
3.2505665788	1.9811435203
81.9043126431	56.946414358
9.1943483087	30.6442177897
1.1185127505	0.8914631196
0.4700726757	1.019884576
1.0857201951	1.0576221394
0	0.0758547103
5.4019679611	6.5275560524
253.5263613363	285.5351123386
86.4081038504	69.0681095489
101.762334789	71.4135159756
1.2738322216	1.7766943468
0	0
13.3458907725	17.7786110778
119.0400250694	84.4115574264
3.8090875293	5.69225918
9.1909711753	9.3600717235
8.5803437655	4.5305717447
2.4990797073	0.9958927115
24.8037130407	9.2853204868
2.7284235859	0.8698296914
3.2378786054	2.5806137312
1.1053209187	0.792854217
0.6999974952	0.0929838828
0	0
11.0899194418	8.4544561867
30.7829071238	32.5874236211
3.6868734847	1.4692330225
5.6450444997	4.4991431504
173.7301198946	218.9465465922
278.0766199426	163.1775198316
28.0651099326	18.477999639
11.0067112084	7.4565672498
19.1941134678	17.210085263

gene_expression_table

7.7986055205	3.1077737839
64.798815918	58.8851200263
6.5441575846	9.7795182704
2.2204989428	2.0647135219
1.7998316027	4.6620580385
2.3588858745	1.4771820473
0	0.0665527505
2.2854401488	0.3643026159
51.5569627348	33.957384775
2.1123966182	3.2619673997
0.9908131882	2.6651889096
75.1695267917	37.3127926992
284.9063268669	296.455759694
0	4.0293096826
51.8450512757	61.5417628073
1.6983002542	1.3535581441
38.6244959391	20.5226768776
26.007625776	10.594451358
292.0014348851	88.2758919581
0.3778313014	0.9034032123
7.1369695612	10.9024191852
208.2065946253	91.5248383268
5.6645806698	2.7589916601
347.3754543715	253.6169479579
14.2898784831	9.3011319814
2201.8807952002	691.5064950684
2.4261432203	1.9336544915
25.66333994	16.9699740286
26.09673979	10.9883088734
3.4461766683	3.2044003394
68.3573913492	20.6865305852
14.1330150246	8.4480898793
0.3647891304	0
0	0
48.8143342597	56.1221481047
0	5.98718488
12.2902936244	2.0407201979
0.9449840873	1.1297391944
0	0
59.2807475532	92.1081856574
62.9189281704	103.3198267179
19.873174047	8.7531702539
52.6679869997	108.5253436882
2.496715673	2.9848519049
0.0715792194	0
1.6841675573	1.4621419811
2.6328407303	0
2.9373213126	1.6721909259
3.4812907153	3.6994866978

gene_expression_table

24.1739360544	11.8009210164
17.0771890383	12.6384595907
0.8494136474	0.3384945498
89.4691713843	56.0953167988
0	0.4858279696
0	0
11.9525717417	4.4402199412
5.2615809735	22.7148990277
0.1896435611	1.058031465
4.4263138931	2.2449672265
0	3.8907797329
1.1735914794	0.8396993336
0.7275774108	0.4434412395
10.7638944481	7.5065421065
20.5212936136	17.8119490574
1.1264565741	2.9178318231
13.213897092	12.1717393565
3.4239978022	4.4345472248
167.8521036937	345.2226691073
0.1506343952	0
0	0.005417
1.1198200799	0.892505071
0.0970954312	0.3385628438
3.0295946158	4.3799898998
1.3546162998	2.198538483
2.9963624981	1.2367068475
2.3724409491	1.8120678179
0.3099875496	0.5455961797
0.1322488832	0
39.487440991	29.8352560173
12.7804000425	12.283208656
15.9092257736	14.5817392221
4.3484707448	6.3539007838
0.8415785312	0.5270134987
6.9189421464	12.6999436287
0.388026688	0.3324547197
0	0
7.2474512414	6.7389856798
5.0341590168	3.8828349691
0	0
3.9281381232	9.5227155163
31.341365101	15.3790497006
0	0
0.8532679317	1.5058493425
13.8457209486	16.9205545754
22.0548107551	45.5925508647
0.1329612554	0.24311023
0.0146538444	0.0116792248
0.3587096214	0.6738936614

gene_expression_table

3.3850218006	2.4384756655
0	0
1.4905212796	1.088960336
0.8161564201	1.4868179155
1.1518863345	1.4918509423
0.0626334094	0.0748789513
3.2062225661	0.7549997084
3.7205907291	4.200896837
0.2543663821	0.1723221404
0	0
0.0864330281	0
26.0310810518	17.943324046
4.5220199862	3.2662012351
0	0.0181686414
3.4066279613	2.4790118748
0.0371518335	0.00987
7.1846560641	7.0710205229
0	0
0.2096430555	0.375945976
1.1120104946	2.2939031758
2.3962130294	1.9659704884
79.2562885592	52.4518848008
90.2338651568	61.0458873929
2.4127151048	2.0948717479
5.1358513156	5.0107788897
8.9903450765	9.3149849066
23.4449100865	11.0847791777
146.7999382157	1307.5907179642
1.6120571421	1.2848217315
0.4594902224	0.2746628862
0	0
13.8158379031	15.5309019029
0	0
7.3305470457	14.7888317299
547.4444474199	509.9574254439
1.2483578365	2.4873765874
16.0142013248	20.0568335702
6.2023832299	8.609198669
1.9723644011	2.807123824
0.2852146323	0.795613765
0.0342997567	0.3963888993
0.6520875241	0.4677468186
0	0
1.6944336047	1.0610885961
1.7274725676	3.189606818
7.2152267502	6.2579953011
2.9140728703	3.3547772728
2.0707815865	2.6819464463
0	0

gene_expression_table

1.6319699896	1.6554267183
0	0
0.3897599285	0.4314466807
0	0
1.2745687522	2.1477779726
2.7475568282	6.5694707018
0	0
6.0842459256	7.8587067635
0.398377138	0.7454573012
0	0
19.0892216754	5.9770283632
0	0
2.1303473219	0.7640563157
0	0
0.0934606542	0.1489776961
3.764532401	1.9645219448
0.3866740733	0.7704554005
0.7615221426	6.2717020261
1.1387742146	1.399234642
1.6270703559	1.9760569546
41.4014204837	37.22250218
0	0.477732216
23.4598795017	17.8126030622
21.3776416761	18.3657894927
0	0
0.0604011284	0.024070078
3.1647453388	7.3668895364
2.6575489183	4.6774412031
0	0
0	0
1.4609738417	2.3512068436
0	0.0510611937
0	0
0.140530612	0.2613425741
9.0367439955	5.8042494195
0.9667416146	1.0112817444
0.4933824406	0.8988103676
13.5515305498	12.8933025771
33.9159670501	76.2282157733
0	0
2.3425558152	1.2187587609
3.0527985015	1.6104827855
2.9928987242	0.561261862
0.2290199623	0.6084354722
0.7975231492	0.675358979
0	0
8.4893979431	20.7212252027
12.3717229822	9.3546974425
58.6167010862	58.2567257544

gene_expression_table

1.0278106081	1.0103131524
39.89480491	29.2527442778
0	0.006851
0.5415750369	0.4586168619
3.0987722812	4.5072845136
0	0
88.4114077817	66.5498627047
0	0
15.7567225612	2.71143538
0.4097752691	0.069984426
0.1256997184	0
2.1387630613	1.875071365
0	0
1.3215493559	1.184945433
0	0
0	0.7322192507
43.2096916117	65.4330567817
47.3262310939	28.2175395046
0.1961441764	0
0	0
26.3210227458	18.8802487356
75.7790137451	88.6190857055
9.3427984277	1.8615702477
0	0.6798333619
0.1261051105	0.8291804947
2.3524921885	4.8528222787
0.1098340864	0.1677823117
0.0152675736	0.0121683716
4.3077459452	4.0600206945
3.9156484421	2.4313220333
27.7279864924	28.2259853612
0.6659640897	0.6634730189
0	0
1.2429126534	1.2382634785
9.8302654931	5.1928298592
4.4093731877	6.6771771656
0.3083702016	0.3686600736
8.3222449959	3.6954685053
5.0594387652	2.8002853833
2.151161372	0.8572459396
0	1.6160474837
0	0.0968429611
4.6017408177	4.3432368478
19.9898415452	9.0523038986
0.0158460065	0.006315
62.9170632759	91.129576027
10.9317755354	10.4552493128
0	0
0	1.0602693447

gene_expression_table

1.8224343558	3.9943583945
3.3504799185	2.6703578292
0	0
0	0
2.7057522792	0.3850901831
0.6329543585	0.5044694097
0.2989399202	0.4765147536
33.5056672136	4.9048659399
3.2717407851	2.3178685729
0	1.8845011243
42.3582178757	22.9566775537
9.6066847049	7.6566003493
236.0939554208	123.6912920265
37.3610205263	16.0337777702
8.2865007384	10.1458956091
0	0
13.3286382865	5.455067147
66.6184711995	19.9107844766
7.5022852738	8.8961478908
8.6152073199	5.4168151303
0	0.514132807
0	0
17.4934497917	8.7400193109
0.4164406485	0.3493751007
0	0
0.9464503307	0.4642018892
1.1197064515	1.2084779801
0.4744668655	0.9453841984
0.2487562496	0.2433198418
0	0
2.1219406854	1.5972470615
105.0652420301	153.9694891268
0	0
2.5688512768	2.7025599369
2.2907213937	0.6846458519
2.4047818353	2.1377788414
0.5966493512	0.6340453925
4.8001646938	3.7062123205
0	0
2.5903465787	3.0537777603
12.0751569515	8.8219921118
0.6509738001	0.8584781656
11.6566724249	17.1721134601
27.9014956713	20.787418043
0.6581301705	1.0228427083
1.1125207316	0.6939292971
0.4629203816	0.7379020889
4.8464563326	6.739951639
3.564339523	4.3815814431

gene_expression_table

0	0
9.828350071	12.2964111451
4.5470052497	5.519306637
52.0689205885	48.7771898405
0.140184466	0.3631162579
0.006834	0.006809
0.3491277801	0.8463665035
9.1376495809	5.38292125
6.6282376397	42.6393838172
5.0891117008	8.1121210121
0	1.1364529335
0.7918813549	0
0	0
1.5364208492	0.6122695171
5.6753250661	2.4672419949
1.6915759338	1.4830186908
5.0309088508	5.8322507556
1.0536382427	2.0746953615
1.5967483905	0.741114315
0	0
0	0.1150460772
0	0
0	0
4.6959803855	1.4596654313
0	0
7.093701329	4.3045471705
0	0
0	0
20.6960278826	14.7502388099
95.2657694282	107.863276923
48.6115714814	62.0557315038
1.757363666	0.4668773766
2.9326006176	4.2071487599
7.1243624519	5.0936531673
0	0
0	0.0123796288
5.3456019971	4.0193256713
55.9553681058	43.1192449531
2.1933324872	2.2336866259
0.2411636822	0.3603923966
0	0
0.3165578394	0.0420498319
0.2676374893	0.2310848613
0	1.4145604403
6.2380622545	8.0071870116
57.8754351849	78.9634424625
1.981821671	0.9477161142
0	0.0852044726
0	0.007928

gene_expression_table

21.9630209437	22.9648734676
53.9989144082	62.8393913699
1.0955977194	0.582133111
0	0
85.7082038084	37.049538443
11.4176979071	7.6478652515
0	0
0	0
0	0
9.7232465711	9.0410845442
0	13.6857116185
109.0230397197	85.4677249347
4.1763782716	3.9824381986
0.5569991676	0
19.7377276803	38.4024356178
0	0.1031543156
3.262294014	1.8871497555
0.9804808178	0.9209953801
11.9972647045	6.1600770759
48.1746370575	20.361276515
2.6853267769	8.5609029834
5.3320011229	4.0725766615
2.4553180767	2.3022436149
0	0.4971226232
0.0308904803	0
0.4547059274	0.0604006771
10.7316441239	3.8489406806
7.3173033451	7.0326408789
0.9625603778	0.3835839497
7.423522289	4.4374525471
0.2087817473	0.4992018937
10.3481006328	9.0111731952
20.6299212962	11.9891065459
0.1311722062	0.1306815502
3.2014394426	3.7292198012
54.2922911055	63.7651665169
3.3160148326	1.3214444476
1.0923009983	0.6529291161
0.3239100503	5.4213339444
1.0968972933	1.3720639493
2.4341142944	3.8800149956
8.2743352283	6.1367419266
9.4750691171	6.8071677572
10.4893117299	9.1200662858
25.4687046532	20.1125231202
0	0.9059321188
5.0348221875	7.1295225018
0	0
5.8576572826	4.0319702625

gene_expression_table

6.0432470302	2.7875098267
0	0
28.0804543758	35.9785123653
0.5610228058	0.1117848546
33.0996663331	23.3861201764
4.4275355312	2.2246652086
13.3473236186	8.1754368644
2.8592877815	2.1955005435
0	0
71.6290355369	125.2250136484
0	0
2.6957146893	0.6445514972
1.3781445192	1.5789379285
0.6047638325	1.2210700798
0.2153388145	0.3289511048
16.3134095071	6.3423954773
52.321255211	86.8301842169
26.4551758983	41.9710355945
1.2194469793	0.3239694877
6.9499513594	7.5907059268
5.7380806786	6.4026111638
26.371018397	18.1518236451
5.2030510482	2.6658456605
15.2516343134	7.5200318183
0	0.1479540982
1.5028273628	1.5171687106
0.006215	0.0148597522
0.9787688211	0.8987949134
6.1224916585	2.7883840835
16.3213709586	14.4949139015
0.3632640765	1.4476210787
0	0
0.0125437832	0.0149962351
336.174493649	171.3987085518
6.9642873829	9.1188259415
43.7546095698	32.3818436228
22.2634591723	32.2133644575
75.8179808328	78.0909282582
9.541614038	7.1208006289
16.9687043504	34.4678898761
21.0449753854	9.584574006
4.4363324817	27.9916750493
23.6182600075	13.3859070661
6.1345461522	8.8618193995
6.1764356899	10.5375817927
14.509536833	26.2418624416
4.463265481	3.5572563366
1.3022687123	0.8303344084
1.2198626414	1.2152996863

gene_expression_table

14.4888224485	5.0099948119
15.2041045806	17.3276625957
35.4784136166	20.8707971767
0.3900167063	0.77711566
0.0396768767	0.6324554149
0	0
0.0864255987	0
0	0.007637
22.4049021179	35.0269498597
7.5531914146	7.0822949055
19.0937896408	16.775631973
0.1733998345	0.3109522033
8.097986495	5.0351575284
7.3323055249	7.2279852219
0	0.0849748793
3.5562897045	3.5201292489
8.2276667408	4.5398164186
0	0
168.1625392568	108.1619913125
2.5186149461	2.0519630485
22.5832286013	17.2885169565
11.6282151253	10.1103004143
4.4333517641	3.9456466138
2.8437339322	3.0639417331
31.5038275909	23.2066078313
0.237177472	0.1890322386
5.7543454623	2.3830550268
0.4295910183	0.8500649956
5.6260923119	6.7260571701
2.4830760644	2.4587953439
125.0250046125	64.0357497704
22.0681317018	18.6080891546
0	0.003162
0.0286423491	0.0456563376
1.5523249851	4.0209479399
0	0
0	0
1.8358833981	5.0602781188
6.5013392184	6.2611199568
2.3135983083	1.119544317
0	0.0782747195
6.9245529135	7.1745973402
13.6588754934	11.6926142363
84.6387551414	43.2151068912
0	0
1.8273763368	4.2883853426
6.6131483089	3.5840958604
8.3848729023	5.7073663156
3717.0094425832	3847.0241862739

gene_expression_table

2.3731153969	3.727152686
169.0514641731	120.63508989
8.8117537963	9.2079784412
11.1926315036	9.4781501859
0.9481667092	1.8892400916
24.5234894851	21.7130362239
0	0.008936
14.3092556485	14.0323694995
0.0371833029	0.0148176868
0	0
0.0158344916	0.0378606285
0.5260147311	0.6550589345
0.009377	0.0112108421
42.1632605297	25.8056717799
0	0
37.8924278528	23.4010121398
4.3650579141	3.9633996796
0.3867135295	0.7044882448
0	0.1967382338
0	0.0892967363
412.558117364	78.9148653676
0	0.0772088485
0.5507662166	2.7435302449
3.0464456571	3.9455653639
0.5175938728	4.7440516487
0.4343007327	1.7307048392
0.9879554235	0.2249736979
31.7231470342	89.3991410339
0	0.1742956649
18.6477383549	14.2795497072
1.5209541348	1.9437191546
1.4522104102	2.2156376971
0	0
0	0
0	0
0.6904228035	0.730533776
16.5760752235	17.8272387534
3.0843390851	2.8094189401
0	0
0.0172294773	0
8.3247822937	6.2743212588
0	0.2786560313
0	0
2108.1869584997	3189.5482904935
1.605647581	1.0054889923
1.7631080881	2.2620461347
0.7122716905	1.7598263614
25.4050705436	22.3141591686
55.1021615592	42.6500075029

gene_expression_table

0.0648488615	0.0775275494
0.1512331911	0.0602669984
0	0
4.0630633466	7.1512286293
0	0
0	0
0.1628544005	0.0648980943
0.9475965088	0.9314646185
1.5435642762	0.820154933
0	0.0219151437
5.1224109879	2.6439697114
280.2186946359	185.4606515817
13.8665717575	8.2888219055
0	0
2.4665910872	1.9658917472
1.8112637167	1.5092086449
4.6930033221	3.9561490831
0.9476560498	0.2265867112
69.6089816924	91.584190692
0	0.0726868075
0	0
0	0
0.2244659305	0.1341757829
5.2153886452	4.9286635343
21.828176914	18.7675511849
0	0.0199552541
0	0
0.8449776676	1.4310888793
10.0078757481	12.3956831633
4.92969947	3.4378817837
6.667632256	7.3623165847
0	0
3.8265710037	5.0439099627
0	0
0	0
0.6027826984	3.5431149675
11.6609918049	5.9746491265
0.1207059199	0.2164579444
0	0
0	0
0.6641939115	1.3234189242
10.6559295719	13.9778262273
0	0.3546072242
16.0411407778	3.6528315693
0	0
0.47760373	0.6253597883
0	0.6070264776
6.2093943897	9.7698788803
1.2340963741	2.080658761

gene_expression_table

1.0847027153	2.043402083
3.4232692034	0
0.9694333847	1.2980448395
15.3238438542	21.4952661803
0	0.3275320171
556.9944425606	666.2062403611
0.9504287201	2.3987464422
51.5274398082	30.8008193578
0.6215069634	0.7880500557
44.7796888797	33.9020126674
0	0
0.0419692396	0.050174702
1443.5558412406	3323.6583607036
0.2419554293	0
15.1645386097	16.0520533527
5.2932789826	2.9004135692
1.1996775315	0.7702336069
0.3555682733	0.3814873493
0.2263690253	0.3962748653
249.5456405684	478.666030362
0	0
0.4089623174	5.2151369482
87.148037221	169.5097279446
0.2512580852	0.4338849531
2.1338781654	3.2242760414
2.250661811	2.4104113344
290.1789547023	340.767248392
200.0841195607	124.5403590496
118.5125407443	107.5051490661
0	0.015106513
0.6903920097	0.2367344549
4.2695439115	2.6736747564
3.5093165879	3.740923107
18.7660101266	20.4669974287
0.5821539688	0
2.8011043309	1.9667273638
18.3853375219	20.6477656229
6.0863381894	3.5572955424
0.0785404069	0
0	2.6849207414
21.0751032526	9.5742994896
19.8363799604	14.2482885397
0.3956735711	0.157677414
0.0802975572	0
0	0.0230996546
0.014586515	0.0116255628
0	0
0	0.0152127018
36.3428108836	88.2076804741

gene_expression_table

6.5042431219	8.7478834764
0	0.0823937558
1.8861796076	2.3150810904
71.3621322309	69.1671933376
0	0
8.0293282301	3.8396611871
0	0
0	0
12.7440052783	14.4523463214
14.623576778	13.0262896502
125.0356382631	73.9652416229
0	0.0123862439
8.9240775501	8.9618221797
0	0.008976
0.0162721491	0
0	0
6.9282554273	18.6363178734
4.2745846295	4.8355663205
24.0049163787	12.11699658
0.1542222644	1.9052028187
0	0
18.6024056608	17.7122852857
0.7196749899	1.32641857
3.0055640818	5.460830623
0.4372325386	0.6969552787
25.9784716364	28.9487109932
0.9139905666	0.7739859796
12.1445196494	10.987283988
0	0.7549215495
17.2996180529	8.8328903478
6.751485808	7.6351817584
4.5718160131	1.932303297
0.1622948667	1.0994770051
0	0
8.8326083178	6.6220489266
0	0.0209252324
13.6508720544	9.1930500685
22.1926533223	13.8974883961
31.5023802987	19.8431311229
20.5881952638	26.7199749946
374.381425651	347.6002864567
0.1583958744	0.0473410161
20.6954928907	34.8740102757
4.0629280315	3.6118210195
2.5309322894	3.0257582579
1.7410615912	0.3469098132
35.4141856169	44.9515211023
0	0
17.8434850824	8.741880487

gene_expression_table

0.8444200938	1.4390941399
2.5697563716	2.5857455144
0	0
0.0391122061	0.007793
0.1228089352	0
1.2488008308	0.6635358032
6.516003006	2.8257681709
0.3151921846	0.2826118737
12.0414738789	5.9350769653
0	0
85.8563644736	90.618582842
12.8069220131	7.0114972488
0.2991660992	0.5484065792
0.0764261986	0.083754355
0.3455909987	0.0516447448
0.6644801804	0.4067909216
28.8452519763	25.3846635104
2.6483579267	4.6115545635
11.7326721838	23.6697907519
4.6617321692	2.82816754
0	0
3.3049920459	2.218192548
1.2883001688	0.8947697646
0	0.1471437481
4.1552520558	3.7633719407
0	9.8759360561
0	0
51.3581855332	17.8720947663
0.5842803821	4.191082942
121.9053542516	147.168049676
0	0
0	0
5.3168963039	0.5297008196
2.2237729802	0.59078796
8.2184043464	5.240104325
11.2547392123	10.5758730886
2.1979786025	0.8258511953
52.3721978835	103.772857658
8.570157056	11.5264349587
99.2680066028	32.3155380843
169.1150965194	274.2520911406
17.5080633886	15.1168971473
12.3434610351	3.9351327112
94.6906797277	34.6331203974
3.1778943367	3.6409083598
5.0354079644	0.2508286389
7.1936237553	4.2426956696
44.2487005706	27.7401512959
0.6591348082	3.6773479827

gene_expression_table

8.9042533431	1.8196813442
1.5103522494	3.3103459484
1027.0215385028	690.7508486098
2.7577154934	0.6593760301
30.6065945957	10.3334369896
309.2442030568	213.7113014861
779.2036298016	639.032088683
13.7441250319	12.9458391334
192.1055713506	117.7766099555
0	0
50.3548984094	18.2423794468
1.2973717018	1.1078732745
30.6499816189	12.2141335526
8.2222447222	12.2872335278
31.3351576689	21.5797847205
40.505402062	21.8252022886
1.2311074833	0
0	11.7649573823
52.2866776781	4.5296605942
220.9083092963	75.7491504218
5.0580247806	1.727693141
18.2811467071	16.4782161283
32.9770350573	31.2892217753
154.5775380945	90.9867620855
8.9607759657	6.9632610451
24.9009846991	16.0162905639
0	0
67.5714428017	39.8526636244
8.1653516264	4.067404367
91.6670586949	34.7477343576
130.0392761261	74.9479343396
15.6101834926	8.942280887
83.1407391586	27.710315429
17.2505918682	78.5648694661
0.0410771526	0.0654776025
1.8257435752	3.2336254099
1.8585269296	1.1109450119
6161.7416108406	6799.6224799773
2.9827270019	0.792418658
3.4214386672	6.4082443477
113.420240704	63.2777526151
3.6077890962	4.8661210898
4.7993463909	4.9180054668
0	0
203.7231044119	48.3984085935
0	0
29.4487091307	18.2161773156
9.654652239	0
9.9427316532	5.5084468482

gene_expression_table

0.692838501	1.3915377606
0	1.0067357645
1.3779808785	0.8542031396
0	0
3.4716615497	2.9241530343
1.8451550638	4.9837086
19.1892824123	11.5055803735
0.1372400478	0.3646045193
0	0.005764
11.8051685378	9.4088085875
1.7078965014	2.3334967296
9.9654982819	7.4245832995
2.5783371	3.4523229962
0.5410324135	0.4508072392
0.1820558172	0.0870599177
0	0.0851296276
0.3496785027	0.3832075647
0	0
0	0
0.5222761949	0.718991223
2.7293229209	4.1466484788
0.9039998479	1.0086925999
2.2327085172	0.2965809284
33.3565947025	28.3981030757
4.5718927281	5.0476048319
0	0.0247707375
0.7118933041	1.2457786732
76.3873058065	79.4838676378
0.0153098773	0.018303132
0	0.1166926355
0	0
0	0.1232710581
5.9109981579	8.4036020263
10.1929637686	14.933583081
0.04470778	0.0772036172
0.1220497248	0.2492660435
0.4691798156	0.6506553575
0	0.0128555196
0	0
0	0.0921900108
311.0118814787	371.8182318082
2.5436362422	4.3361637087
60.8007954855	92.9764696109
0.6866385658	1.3290505987
3289.3438971444	5390.4753824891
0	0.2425900785
0	0.0140161729
0.1252895639	0.2795988433
1.0839384241	0.9552819116

gene_expression_table

3.5075957835	3.3946332962
84.5482317675	99.171230968
3.7782652898	3.1441577402
24.7571149895	30.1112557197
2.195676644	4.3749272188
1.4847471675	1.8826097806
2.872491082	2.6073689334
0.118199385	0.9891609381
1.1209175796	0.2233449466
0.1719630549	0.1507614405
0	0
3.3489674342	6.6728809193
3.5066879384	6.1402157018
1.1891767144	0.5528733193
9.9007120561	17.8706636058
13.2466012942	8.8455914378
0	0.4512171557
2.3417955066	2.6805093403
71.3157416424	34.1416583033
11.5066618238	7.9641995742
19.8431505552	19.1264361872
0.840889066	0
100.2109071182	34.45770416
34.3908024261	71.9505401323
3.2250725704	3.6819346729
2.1722967538	0.4328342346
27.8678563219	6.1934218654
15.4072314508	17.414324907
1.8804483085	1.8954545702
8.364130404	4.7913852828
12.8283077656	30.6727748652
0.1746613597	0.0696032122
10.8981779708	13.0288953713
6.8418795394	2.9991663497
7.0979286092	2.6999808682
0.1164751102	0.5569892611
0	7.0189335334
177.1441993686	191.1166410273
44.3734955177	62.6942930263
0	1.4318552744
115.6039663748	84.0074792639
12.2862070762	13.2894142042
18.1061985034	13.2763149452
0	0
0	0
0.0816004346	0.2113675309
0	0
1.5528387164	7.1163391416
143.0862886042	77.372850757

gene_expression_table

63.7872670343	69.4496153926
4.4361327549	4.5458117341
467.1581334696	424.8154108449
1.1509798009	6.1920423286
0.318126988	0.3803244223
0.7619205935	0.9867917705
0	0
8.8754621466	7.6632946446
0.3816730285	0.3041962897
0	0
54.6108122457	0
16.5940351551	16.5319643648
0	4.1737586904
10.4392183769	11.6001895887
16.5111231189	22.7300281335
3.975124284	1.3578017621
0	0
3.2224677926	6.0750911003
0	1.8790302635
114.7172628935	116.9772905441
0.7091605816	0.635857139
1.3666332218	1.4736465447
16.4528984901	10.9617190764
189.5051580305	122.601873609
2.2480648659	2.8667595144
1.0255274468	0.7802007145
2.4172091103	1.8462616908
0.3472656596	0.5397080451
0.7393701054	1.5792799532
28.8662414433	35.2520678434
3.6081651013	5.4433552864
9.5095307985	10.1055572683
4.0194345706	6.2805847633
421.2621469137	358.9728695075
0.0489018071	0.07795022
5.1645446744	3.8074675696
37.9455294636	39.1071645279
9.6477474278	5.5580466165
2.1000899571	1.3390300602
0.137720293	0.2012342106
28.143584734	26.1690914756
0	0
0	0
0	0
0	1.0379256924
0.2073398917	0.0708220549
0	10.8501579882
0	0
0	1.8608056942

gene_expression_table	
0	1.7019210194
0	0
0	0
0	4.0915621297
0	0
10.0891030291	6.4245833362
0	0.2678731522
0	0
2.1864683076	3.1118424532
0.2778618824	0.1384112633
18.1678923134	15.9279423022
4.9015857791	1.9967071412
1.3142715676	2.7993116972
1.2536201655	3.3859905448
0	0
12.4303108149	22.7189488272
2.6417621712	2.1347475427
0.9365279242	3.8254016645
0	0.0122221738
1.6336280669	0.3906041765
2.1746039146	3.3038662979
1.0197394208	1.3545667149
0.099514906	0.1189711988
51.9352261584	65.5385492513
0	0.0267501852
0.1336645678	0.1065316712
8.6738227558	4.8091146589
0.07413904	0.2511298457
78.153062144	44.4918439077
5.316003889	4.4722783676
1.2684715932	3.0329443535
5.2737070471	2.8180440815
0.1193582296	0.083238235
67.1647544909	42.6379183391
2.4620090051	2.5167858216
0.0954839523	0.294893049
0.5864248295	0.782869914
1.3621999467	1.2547655387
4.3189586627	1.6549243804
37.3025306457	24.6337591563
1.1343951844	1.9709849562
1.3312395819	1.830238822
1.9365088684	3.6012951584
27.2545848538	21.3736271582
0.269262079	0.7511136952
0.2379257924	0.3792573112
1.8843011036	1.6519824502
661.1513455354	555.43197539
3.9180036513	5.044326865

gene_expression_table

0	0.2349246872
0.0196213622	0
1.3491995517	2.1506444889
5.0382886664	2.5344071359
6.3672132338	3.6734892383
0	0
14.4434240068	12.9115676492
2.8462895233	2.7306190309
0	0
7.4242000054	10.6269775258
0	0
0	2.690422868
4.5972549454	5.1855579757
0	0
3.0719028801	4.2845771906
0.0797362775	0.1588760403
51.1035867288	40.7299450345
5.6638643432	3.4823386604
5.5885508764	2.9421692293
13.8031800004	12.9988321976
0.9501186571	1.116946337
8.7873668546	12.256296198
0.0309282167	0.0123250113
5.3407886421	5.1212807454
7.4973487962	8.8960257042
12.2135436707	6.3570851633
0.7288278006	0.7938710663
0.6568894006	0
0	0
0.5340497369	0
0	0.263692553
0.9864043281	1.1792575621
1.5792908952	1.9405062936
0	0.3381476689
0.5540800555	1.0724716993
20.0823288086	16.3324162344
3.8442330193	2.4073364731
0	0
35.7220771691	13.0491009048
34.3238834739	18.6543157157
1.0937331972	1.1986062388
5.7066822829	9.0965378593
0.7991342232	1.2738320369
0.3148960441	0.6274363205
0.6735803888	0
70.5234617458	129.2777842057
3.4137023611	1.846220903
0	0.1510984964
0.4673677706	0.3059785672

gene_expression_table

0.2896700309	0.1539128033
0.2853958213	1.2889548897
0.5104027665	0.2372970041
0	0
0	0.0445165596
4.9499909516	6.2608294748
1.7090577151	2.7923704395
0	0.2934563857
0.9996792106	3.3861955315
2.0527349017	0.5843018707
0.9219749449	0.4592631265
0	0.2110909791
0	0.2814052212
0.5020979347	0.433523838
0.1399753686	0.4741360654
2.7230481018	2.337235306
3.1416045896	0.8346275376
9.981696513	6.2600558131
4.5425919423	3.5199112337
161.6750952939	146.334119028
21.0558214525	16.1443711013
7.1265813975	3.2541318679
3.4356827319	2.3470843849
4.4668340272	3.807329696
0.0668532327	0.0799237979
3.2718759796	1.9557824216
0.1104895799	0
27.223982605	22.9839250367
27.9496954168	22.2761185844
163.8764819434	145.0857029542
0	0
3.1094506217	2.1478215695
2.0549781594	2.5035449295
0.866816938	0.9119347431
9.6787400302	4.0774153224
6.8884183824	2.9738158323
0.0518543404	0.3099622606
0	0
0	0.0283895634
14.610580865	12.6151387104
5.9489827421	5.4525918619
0	0
6.6812707317	13.407647933
0.0831800871	0.0994427376
18.0346438048	13.2544802568
31.6961417776	53.681887407
2.0074847354	6.7999171818
0	0.1142897554
4.5373584185	6.567217086

gene_expression_table

0.8937368437	0.3815973333
0.7194064929	0.8600586217
0	0
4.2870621915	5.5010817819
0	0
25.7326584554	14.7803179539
1.4455209452	11.5209112341
4.3190382227	3.5262648071
21.0893311704	46.6517647199
1.9818774765	3.9884176194
2.6184683418	3.2106754886
0	0
0.6488772248	0.9308880982
6.3614820321	5.681283346
0	0
96.008438646	148.2291090093
0.5708533699	0.2274872261
0.2295438743	0.0653386441
0	0
0.1271910055	0.0168953655
3.1204669095	3.0748805287
0	0.0559453832
1.2240419969	2.6828194991
0	0
55.1637183946	33.2977041856
0.2564606325	0.5365527911
2.5521350139	2.0340709036
0.2611786211	0.1457129351
3.5813389172	4.692751815
3.8547483928	1.9879352811
1.9337562947	1.5412183887
1.7817205195	3.638864611
0.6755036574	0.6729769033
0	0
0	0
4.2704536866	4.0417558558
1.249554643	0.9461092739
7.0439749502	8.2253112029
22.9632674787	18.3018978136
14.6697946596	7.7946248447
1.1385055778	1.3610963313
0	1.8616388923
5.5133215924	8.400598083
1.9583309633	5.4628160489
2.3418651368	3.5463200212
710.8323545353	577.7099482554
0	0
0.0459970688	0.1283100407
0.3512992521	0.7621899917

gene_expression_table

0.0889531676	0.3899299096
0	0
0	6.4700480737
5.1907764411	3.7323729352
0.2721881616	0.0271170029
156.4193823455	134.9726011335
2.4825081062	2.5721510513
0	0
0	0
0	0.0112836056
0.4764144606	0.1756848321
3.5193721248	3.6063851074
18.4980439947	8.0033867927
0	0
1.6188154082	2.125911108
0.9915634738	0.370445431
13.6923264259	12.6036167731
5.3529932533	5.0192659985
15.0438479768	8.1144854492
0	0
0.2864800343	0.4338208316
1.5741984975	2.6456710052
25.5658222602	29.5102914979
0.3204955025	0.5534475675
24.0473812498	15.5835251189
0.0643796557	0.0256555362
0.6077644453	0.2421964292
31.3908554812	24.1984623173
0	0
5.283547537	5.4300089355
2.1522942931	3.9072882144
13.0954179063	15.5470003532
0	0
15.6417780381	15.8058873431
1.1345699224	1.0549709416
12.0129287578	15.9573250897
0.5204645036	1.037035362
0.8938378164	1.6190806779
1.4811516411	1.7707335862
0	0
1.5342076418	0.9221762146
0.6530798443	2.3422930834
11.2805414058	18.7502930557
38.9317168218	31.0741042758
0	0
0.6372307629	0.6955716824
1.4921803111	0.2973197477
0	0
2309.8808685249	2369.9343981871

gene_expression_table

54.9862615799	21.3734077198
0.6722935794	0.6251269105
0.3502449083	0.6699548167
7.9524484661	10.0246432815
7.944075098	7.5811236949
1361.3723967921	893.3222086541
2.0456436326	1.9564721316
1.6171411012	1.3408443986
2.0471162282	2.4473506693
4.1792463768	3.7822733832
5.1541063609	3.5327610978
3.3496826282	3.8933451415
0.1141115635	0.090947779
0.1248025797	0.2652495992
1.605731311	0.8958459974
1215.1685879135	1825.0750849951
1.0824733132	1.4019515503
7.4519184962	2.2843213031
2.9723041907	3.2050485315
0.6489550027	2.3274991987
0	0
40.0728034703	18.1467769147
2.0878277949	2.2880199915
10.3568825679	11.7921624551
54.3866861338	32.9915789535
9.0274713443	2.9626317911
0.6944490856	1.2453326374
3.9457555612	2.6206641812
7.6778024242	7.9550465625
2.5424876663	1.7730841578
39.4473711393	24.8209366366
2.9948464457	0.8424406808
19.6534338367	12.8997114846
3.4283550414	2.1176292905
11.7756935996	14.438948983
23.4399694124	19.3045606213
11.5715236144	6.0020041983
1.2206454184	1.0809595868
18.4858912017	32.5246645793
9.8248907621	7.8305122267
12.6986765579	11.807764775
17.6153450405	10.1665802432
4.0306813872	0.4015604429
40.1252534014	32.5221664695
4.2643766754	13.5949618187
5.3391662378	2.4924227196
31.0648254733	38.9281512483
1.7355233719	1.5561284065
23.3616947207	7.9797631449

gene_expression_table

833.29739107	530.4501226021
3.4381335942	2.7402184715
45.1997159409	27.4472498098
1.1532159163	2.2321529553
10.9091833876	3.5020326082
110.3069425285	66.264643236
6.6986704202	2.4641035273
1.4187142677	3.9575409957
6.4641109046	3.5907497325
0	0
31.9339450192	0
8.8860701496	4.9575855699
6.8458724659	2.3188901507
2.7773657126	2.3716944359
9.8015146512	1.8027418361
3.0796156004	7.1881109787
8.8908782343	3.838302639
72.7198381928	42.4337267297
2.0211038393	0.6040631408
54.8845159201	17.0525018024
0	0.0491770845
0	0.2144097829
33.9929557219	14.9009535085
29.4802022694	11.498015207
267.1526296164	171.5988589801
9.0968611635	9.5461850569
12.7115725798	13.042682863
4.3142440618	5.09285063
2.6096960399	1.2999671729
0	0.0499714787
2.3639971037	5.5036241026
3.7115212117	2.3855729595
0	0.3047995914
27.811641241	11.0830441812
2.7943189521	1.4847288891
0	0
3.4585009058	3.445564216
0	0
2.580237002	1.5166454455
11.5076266217	9.5244217933
2.7108002628	3.8409392119
0	0.2682446289
11.2912964956	5.6245304277
0	0
2.7584213918	2.1469557682
2.4018241642	0.9443741965
1.2673752084	1.1447886407
2.8806806575	2.5314036777
14.1646183676	7.1678145667

gene_expression_table

0	0
1.7275774563	1.7029983655
15.8156383373	12.1549982229
0	0.0732133241
5.280881479	2.5721070646
2.0884214924	1.8725486858
28.5788669191	14.4123581556
0	0.8511326644
18.4494009845	6.3174081558
1.2799129809	4.8454765375
88.2337685817	40.2573585311
26.1897078308	12.3694193603
5622.7047457661	8358.4117745701
28.5679530362	32.3557691427
30.461984342	6.6765687599
78.0557657868	81.0783168082
0.711316684	0.7558997008
56.9333607312	22.2251358345
0	0.4075312404
8.4539535498	2.5914865009
0.8731226253	0.3479426672
0	0
0	0
1.1298759327	1.0465498771
40.6877335942	25.5318871093
48.3817538294	27.3618796438
10.6075631326	3.6127420917
0	0
13.4445873586	13.3942972299
3.7553978562	0.9976934958
2.9722303557	4.737780135
183.2797141584	149.0686647055
0	0
0	0
1.1367472237	0.9626208909
30.4696502293	14.1166237897
2.3791506886	1.3905474648
506.8187826925	158.9693066076
7.9618116315	9.5184361084
0	0
1.7814273918	1.4198111012
0	0
0	0
58.8974182613	17.6031328867
2.1709566571	5.7675629034
3.9973785295	2.5032392892
42.970487105	54.60262953
27.2158856315	16.8000986698
10.0126134717	3.4913062825

gene_expression_table

11.3987310597	5.6780467777
5.2080300721	1.1469424512
3.0550133034	3.2464916038
60.9584370885	23.5085493325
17.9620882481	16.3940375925
0	0.5851796036
0	1.2432472695
197.7629317636	113.9919884773
1.8515191553	1.9675663556
18.8301416437	7.8411357877
123.2008158918	107.0040827626
3.3384283089	0.9977822269
234.9969332215	207.2192616769
2.19748842	1.8139654183
173.4435372175	61.3663645312
0	9.7331376748
49.6604594641	34.1825214618
0	0
0.9735222669	0
0	1.9282420821
31.668128154	4.206622932
33.2777375046	25.279361146
0	0
60.8037429826	18.255872331
41.8468491299	22.2348367832
15.4471841185	10.427105828
52.0230186161	57.2939668957
0	2.1878048673
0	0
497.3319306267	199.7741638398
17.0248831896	7.4012512544
194.3766112626	140.5085006522
6.681061648	0.4096043578
0	2.6042394057
8.3938479216	1.6724900656
0	0
2428.4663342114	746.7159361543
1.8494919149	1.842573801
82.9208131229	39.0383321467
93.5703063695	23.3050755292
32.2239213227	13.911467348
1.0281956981	0.9640938188
2.5519367231	2.5423910804
13.732571606	5.4724817033
0	0.309184351
1409.6620994451	421.3167570727
9.6626853981	5.7175823171
33.4875293552	20.0173605801
19.548659605	10.964005958

gene_expression_table

1.134468324	1.2012674915
1.760059054	1.6365771035
3.1008561951	4.1500965894
0.0169383533	0.033749989
7.7147149949	7.2707092109
23.7324900116	16.4311895255
9.1103370258	2.0169465266
25.6335537854	55.6153707423
2.518254486	4.0513036569
0.2261629571	0.0150211322
0.4198426081	0.5019265998
10.6592340459	8.5359448476
10.2221362835	12.1408061419
39.4129395947	69.7717972245
0	0
0.6977998099	0
0	0
4.0861936099	7.1165520387
3.2985017221	3.3367198788
2.4060231448	2.5568248522
46.1662504111	55.0181678585
2.4983109052	2.3894072185
2.4914647926	2.7449607379
1.88661189	3.9470653469
0	0
27.9314914481	33.2939121269
5.1258506703	1.9405373277
0.6377631414	0.8073032496
0.9741973	1.2201241083
0.9494201535	1.2863815701
18.2226782208	21.5006417825
1.0300472003	0.7926466001
0	0
2.5442502106	1.7486451383
0.0930491999	0.3151838926
0	8.1023567837
0	0.3875056424
2.1573374386	2.0059832928
1.7717195101	2.5280676923
4.6652064619	5.9904411075
1.7456821971	3.0609082037
25.1227102912	7.0080465222
14.9451026367	10.6278081032
0.3620256219	0.4501179665
0	0
4.7910532409	9.252532945
4.8287872631	2.2638705652
3.1512162446	12.1809843955
15.275247945	6.3598072235

gene_expression_table

0	0
1.3356704974	0.8279751557
0.0102412109	0.0367304514
3.5418959558	4.1468444507
0	0.4468796813
17.814618724	8.4355115786
0	0
6.5929091297	5.0067400112
0.5291115232	0.4217058848
11.9325936404	10.302897971
2.4139264574	2.0550938417
0.5127110896	1.0896923071
1.7411636025	1.6433532909
4.2588899203	5.430987951
3.4117739269	2.4349286119
0.3234139177	0.3436844505
10.2014060204	32.8127694289
3.0806426097	2.9668153399
1.1617454991	1.4660399163
0	0
0	0
0.2084349842	0.2353426995
0.3702453918	0.7869023381
10.4130001755	11.1913992268
0	0.005922
0	0
0.7028802804	0.5468627816
1.5658187675	2.5299743238
363.0909837084	583.0491631695
0	5.94269396
375.3363499671	432.6152059466
3.8020834934	3.185688744
3.2109837738	2.2314786807
0	0.0253815775
16.1914591347	8.4621084325
6.7827576122	4.504924253
0.0330006645	0.009863
1.935587131	0.8306725426
0.0946687311	0.2640809308
0	0
4.6176983389	4.1133217264
1.2829199664	0.568053841
2.9507353452	3.4051501568
0.2601873576	1.2442277484
20.0003729581	17.8231786124
2.942584386	2.1777432909
1.5983652365	1.8259364902
8.5056512238	9.947545933
0	0

gene_expression_table

0	0.0415119071
0.5584266114	0.6898588592
11.7967592411	14.8145030416
27.1447329893	31.9367276541
0.4026684297	0.4914237305
2.3453809945	0.9838349404
6.586446832	7.7322949202
9.3630652875	6.6556842281
1.9116183668	2.1210544076
0.1665304155	0.0398178001
1.2539890395	1.9307339418
23.5923682522	13.7181278169
3.1046499701	2.373432379
0.1933658082	0.2632781025
16.7323133363	17.0079516204
0	0.0712706118
0	0
0.0199449718	0.003974
0.5352320116	0.4739821781
1.5528297007	1.0747726691
2.420347711	1.6620707025
0	0
1.1592943286	2.3429146623
2.3388042143	5.7992500014
5.2495602403	6.1628293699
13.4559979738	5.5627246097
0.8487649012	1.7475527804
20.8065194871	12.0360145329
0	0.0526390376
7.6594041395	12.2092060291
0	0
198.650434523	134.1141418049
3.8446330019	5.1070026219
0.5476378371	0.3273536228
15.0940212503	7.3784300948
0	9.5993852643
93.7390652461	80.9366391104
0.0978158474	0
1.5047229924	1.2192635294
0.2410521776	0.2881806124
2.4603625517	2.9413913361
0	0
0.8547260286	0.3406115538
17.5449931484	7.4399349541
96.3992180225	49.907254966
0	0
0.1400040476	0.0836882134
1.2615596849	0.83789384
0.3761703602	0.273041816

gene_expression_table

0.6461548297	0
0	0
1.166658976	1.3524887642
0.826245386	0.4327442247
0	0
0	0
9.354664226	4.2249182691
0.8274540592	1.5827691404
3.8347180354	2.4450394159
0	0
0	0
0	0
0.4549863992	0.9972259013
2.6203430686	2.7026783093
3.3616055114	2.3921651883
5.2554605564	2.6072158154
0.1326330946	0.1673735005
0.0107684233	0.004291
61.6488305013	19.1078938001
203.5279914535	92.8914044864
1.4378246411	2.7932704577
12.1394245218	7.5832751593
3.1477809564	1.4896031016
30.4750660432	23.293413066
0.0884012395	0.0616493992
0.0964618371	0
1.5425372458	1.0875584045
3.2830402979	4.1152106718
75.826593865	67.2247471624
0	0.0716616633
0	0
0	0
88.8285042064	65.5248732747
0.9813498999	1.9553582264
8.0769353709	7.853601847
0.456185073	0.4505267021
0	0
0.1695349026	2.1619295888
4.8004137979	2.7447148069
1.0549335555	1.8278043923
0	0
0.1399280598	0.2788093044
80.1995411349	73.4842584697
0.662142291	1.0554648252
0.4815930399	1.7272498245
1.9237041244	1.3562982637
0.2505871571	0.9386833373
13.8326333985	15.0014850355
0.1028892419	0.2050087595

gene_expression_table

9.3357250514	10.9571119394
149.5325426321	46.8962817056
1.4941601703	1.8855235098
178.3831195674	188.574634834
8.6815806919	7.2540895908
2.6793790034	3.1061604734
0	0.0593513308
7.5247912847	4.3597506668
0	1.7644198097
0.1435716555	0.0286069238
0	0
0.681076203	1.0856457673
19.282853376	16.3291161914
27.0088967635	27.4598249606
110.1557807544	75.6979769251
1.9344839819	0.7373818248
48.5217757403	29.7478631959
0	0
0.1921109686	0.1275949122
0	0
0.1565375535	0.2183328242
0.8626617413	0.8164631677
60.5719260804	71.9833863947
4.7837972828	2.0334520567
0.1007829068	0.0133874565
0	0
17.5787011084	7.3284947979
137.9850722302	220.269987031
0	0
1.1690460065	1.4441946855
29.7674983388	20.1944270234
408.15827549	936.2443256382
10.4060021915	1.3822770717
1.5225696809	1.2568388179
1.2596308721	2.6675995901
0.3565381567	0.2841636068
5.5673605165	15.874028462
4.2648055966	3.0068805033
1.8868156005	3.0076126009
1.6148856179	2.006324428
162.2800193002	117.3433086625
244.9037545102	180.6237154779
0.1967693109	0.3397910287
11.5543787319	9.6405956792
0.7050226868	0.8428626184
9.3296823178	5.3650906212
0.9285567238	1.3060001117
0	0.8346807618
9.2965491519	13.0165485932

gene_expression_table

15.5095669507	20.6020702214
334.5255488739	410.4535375524
10.4128834653	2.9392811786
17.0262872264	6.2196198446
6.1210971001	5.9175134083
43.1430667781	127.0909521223
0	0
1.441707187	1.999349661
10.2734719485	6.5504278593
1.2736753089	1.1005604879
0.2033223826	0.0945288612
1.4848297467	2.6626962047
0	0
0.4263947004	0.4757757204
67.0938258226	78.4991989014
179.2304393124	67.3033918497
64.0627145984	35.8789234138
0.4126424079	0.7300119843
0	0.003651
2.0212322009	1.7761616906
3.6231571095	2.4235916031
326.6642832474	491.9958817005
1.137332738	1.2917094785
309.3929046946	148.5945058132
2.2236675931	0.9747539371
100.8081462298	18.2601942705
0	0
3.0365606452	8.6722464311
1.1236914636	1.7911811862
28.0305025682	19.0870483453
0.720958939	0.3830731505
12.7659174109	5.1693190351
0	0
150.9582479731	107.6083446767
0	0.2432369994
0.2964031704	0.59058892
0	0
6.5860787198	4.601110769
0.2961890423	0.1967207552
0.2861339635	0.2443402848
5.6499284966	5.691336829
4.4990872545	3.8749845094
0.5223572423	0.2081613359
0.9723246571	1.051717998
0	0
2.4287628954	2.5913970737
0	2.623115118
17.4507752456	20.4231149803
0.0691034821	0.0757294969

gene_expression_table

0	0
0	0
0.658251222	0.2623156006
1.2757659875	0.7625963539
0	0.3983759449
0.5788860636	0.9227531396
6.4032245556	8.5299993053
0	0.3827464301
3.746592424	1.9196116015
1.0096458876	2.2129123683
5.4687191004	0.4358610474
1.4912431254	1.2734271929
5.6609898227	5.3148083506
0	0
1.2797578306	1.3599688902
0	0
1.0967578522	2.0012845843
2.4131593288	2.9267703526
9.6612786304	10.5876541659
0.9189161685	1.5432358907
0.2303588878	0.4704692994
3.5862508747	5.3145940408
1.14992672	0.9852378126
3.3876788035	2.0700043101
36.8622982659	17.138059427
0.8772693798	0.699190329
0	0
0.0399727475	0.047787873
6.500238416	4.9217022097
3.8549030891	5.6596600979
0.0839237162	0.0334439182
7.5702909963	2.451141536
0.1051236928	0
4.6227776764	2.0911395679
0	0
0	0
0	0
0	0
16.875623223	19.1276629547
9.1560315887	6.1115946168
1.184561518	0.7923734085
0	0.0913783098
0.4604747531	0.18350093
8.2008029255	4.3574012938
7.5632055164	7.8826802875
0.9395026613	1.0891501454
0	0.5734544756
0	0.0751338617
41.1413967675	39.014409592

gene_expression_table

3.7069292696	3.4174615811
1.9167324298	1.3579113241
9.2914078973	4.3197713706
0	0.0447833429
5.2910852124	8.9910367204
53.0987663691	52.9001478676
293.6590550409	170.4483548989
8.1931622359	2.3859660156
0.5628116814	0.1121412914
744.2075009898	406.5377808986
23.6719962801	16.0922364939
20.6638762379	9.4823044411
56.6940951102	47.8884434632
9.5362533045	1.8613386099
0	0.4901722894
0	0.09855808
7.4814169998	3.7659447905
2.1091523771	1.120673595
0	1.2619868796
11.2436699174	8.9612899414
0	0
6.266181911	0.7885570048
1.3401312098	0.7883556174
0	0
15.1183125625	8.4168668792
54.4465147491	27.9874898545
0	0.007203
7.6809501782	6.7008622297
1.5860988344	1.8387385659
0	0.1626265466
14.1229400039	21.9938073786
10.879180133	11.9516278428
1.1871541913	0.4336616474
0.4189959434	0.521785836
0	0
38.744767946	80.4748205855
5.7923706919	2.0367190763
4.1768798713	6.7372717005
29.8607937839	24.216809634
293.9019847774	587.3368888602
0.6837227008	1.362330406
5.5130382472	5.3234190316
537.3830865366	409.2830216799
29.2593598563	16.0130193179
0	0
3.8456833525	4.0867182806
103.0552990799	75.1947946365
40.9378594284	19.5766701057
5.2270638561	7.5508920682

gene_expression_table

1.4990929675	0.119478843
18.9975527362	18.5059027728
57.303208754	50.8791974964
0.3804193142	0.5512673998
11.2443947421	22.7033980014
2.6407434508	3.6832118712
1.8295835217	2.0878656763
4497.8709328752	4999.9751019348
27.728210818	32.9856898327
1.5684103582	0.9375261861
1.0358266321	1.0386098278
81.6562447414	75.5775226332
7.3800290789	3.8600224549
12.5827846568	4.6907848534
176.3170959553	90.1668908873
32.1047714304	16.2831108269
0	0
2.3050673695	1.5922019732
3.3435826519	7.3283668027
0	0
17.9684490228	22.9135835788
30.6270325591	31.5543599059
0	0
3.2952282859	2.3345083202
11.3679252061	5.2454497793
0.862397486	1.5250296725
17.3092376416	4.2604038075
8.299201394	7.0279341556
4.2790865043	2.159960723
9.2809872727	5.8337299281
0	0.4005091875
17.6741555078	20.0862136975
0	0.2593243603
0.8781610758	1.4347970858
5.0803148699	6.8460900453
0	0
1.6016189062	1.2184795432
9.0007350931	5.8451994959
313.0621881163	333.3101956093
13.175186849	4.7422622442
24.9804489165	19.9096066722
0	0
0.2140085386	0.0284277372
1.6960396476	1.3195717467
2.1752295682	2.6005116202
16.89785825	15.4562433293
0	0
16.2621106336	16.201281423
0.1373637043	0.2463297998

gene_expression_table

98.6446323333	118.5648132173
0.5657295621	0.7514845645
10.9980160671	3.9931731175
0	0.0134813833
0.0231720808	0.004617
14.246967687	11.7366196609
2.4267008903	2.6392392041
0	0.6051274736
4.1473571001	6.3999621729
48.376848411	42.7885484383
5.1456656545	1.0252836087
24.7664409022	21.2574284101
0	0.0425958424
23.7003027368	37.9774759272
5.1157446447	11.4164040585
3.6572762161	6.1866772859
1.2888191691	0.8131989098
0.129801772	0.4655384719
12.6497130088	9.6129905486
0.3345482247	0.3491681086
1.229895964	0.3482418729
0	0
1.3600992275	0.4878042158
1.4304642004	0.855068088
0.7296665036	1.6961866851
0	1.960004081
0.6583825824	0.734630255
0.3626214956	0
0.0565711373	0
0.8470385412	0.6463686276
2.9745142272	2.3707103304
7.4859740238	9.1626517766
0	0
0	0
0	0
2.9358116616	2.7054678575
4.2238785888	7.3235339212
0	0
1.1728726938	1.7360356101
5.0219347001	6.0807514299
6.3497230096	6.8358259884
21.5170941065	25.4789402414
9.544785029	6.2842630848
30.3911153591	27.0516156475
97.0618060592	101.9732185024
0.3406493548	0.2715001116
13.276608292	15.9376540509
19.5317637736	30.3084060407
3.190378793	5.0855120431

gene_expression_table

1.1283120758	0.4946002908
7.161579801	4.693107341
4.1889468561	4.9002359835
0	0
2.4123394167	1.6342548423
1.1582138642	0.6997733024
11.6392285137	6.1843687557
0	0.0317075559
0	0
0.6090762472	0.3883506996
0.1318417781	1.2084072816
0	0
1.84319536	2.3871910383
3.593842721	1.0741199336
0	0.2705213966
4.6869532623	7.0041322307
1.9955320335	3.7489275677
200.5142940475	121.7490698923
0	0
29.5506124796	29.5047804515
0.5543013571	0.5154127684
0	0
2.64493995	2.0856112124
7.2216719498	10.1958595219
2.8244963811	3.9395037023
1.9780342539	1.3794447248
1.6253379324	1.2468288736
0	0
0.630822244	1.5083102951
10.4776767345	3.9556362234
21.0020136402	11.9031208353
0	0.3264229451
0	0
0	0.007456
1.9682433743	1.0824063478
51.8161456486	34.0377338293
0	0
1.4180876029	1.4562534293
15.5890775363	8.3232842163
5.3611837731	3.7190090413
29.4672031912	36.9897944141
6.6962274452	7.130874631
0.8208819084	0.3816453013
8.513452538	6.5138746041
0	1.8025487403
0	0
0.1718726298	0.468027934
103.5398046423	151.2903465327
5.2432889115	6.2684113632

gene_expression_table

1.9431920161	4.2590315074
18.4446332289	10.4741149066
62.576784353	30.1869978094
0	0
26.7664631384	16.5331319715
88.928522665	65.7407118682
9.2768867921	3.1687495367
8.9046577457	1.4194159109
1.7963862895	0.4772444853
0	0
61.0116509907	79.1743191093
73.4584890513	39.5192055726
3.5318031251	4.9900035472
129.8902934489	92.3457545094
0	1.8505976774
9.7642396651	13.7956700413
3778.1971146937	3346.7911402982
631.3555151766	192.5268283267
0	0
20.3850592381	16.7249006556
0	0
4.5685914666	5.3317599888
99.7433219765	110.2405615135
0.1957786226	0.0780185213
65.5999657093	25.2985493681
1.1866871493	7.5663890472
72.8665000513	39.5966942109
20.6544258143	14.0316681204
10.2151545461	4.8849332481
0	0
0	3.2977846443
15.9789318603	23.0215571999
21.8964268865	21.2328016505
0	0
235.2348088189	121.3225035068
24.6451408774	23.1889015072
4.514587224	4.3177921846
8.4038704265	3.3489741372
1.3632077246	5.432434321
4970.563603737	6523.1548266574
45.312828827	27.7159073868
18.5965348458	5.6670742803
44.2581466422	59.5845904134
676.5130652196	256.6126097775
3.4766763177	4.618228856
41.901395265	28.9984264808
3.257050329	3.4395592054
0	0
0	0

gene_expression_table

0	0.2151333995
11.964711402	13.3503516393
0	0.0385317668
9.3399234994	5.8257310315
0	0
0.3870355503	2.0050566906
1649.2063040826	2348.9071806075
0	2.0946720239
16.6579238013	15.4892397635
0	0
8.7570867391	3.9153092675
0	3.6078799073
54.4711153411	35.4165951276
1.2485792943	0.4975635693
13.1576995982	15.7301791045
87.217401653	21.0155365529
0	0
0.9578919171	1.2978600714
16.3237142997	41.1987251325
1.1626410686	0.1544389538
2.2058266809	4.0655150074
711.1811950685	78.1816262005
98.3486650766	67.562871134
13.6954990809	10.0223368064
7.0169208381	9.5359959281
5.9489268727	3.6877086551
0	0
0.3435634815	0
0	0.7359658462
2.6941624628	1.6447158033
3.9308804704	4.9931254481
124.1214940819	76.0967456217
4.6821250408	3.1294227882
56.1582975798	67.5816637367
3.9990008422	4.4621274726
0.7340677391	0.5850575386
1.2420008666	1.5555321286
0.5756075635	0.2293817902
0.3307910646	1.4500363886
0	0.471646839
9.3329406258	6.7185767404
0	0.7545778423
67.4161061516	44.7759552992
0	0
0	0
0.8169119993	1.085141734
13.4614005104	10.3161903779
119.6609834691	82.3656119921
0.4709113798	0.8632358399

gene_expression_table

9.6888279991	15.6279971416
73.6525898099	98.2274627913
73.9311080066	98.2060868327
236.5000498061	256.768437856
0	0
181.9631539986	215.679706618
0	0
0	0.060643848
0.2651537629	0
0.5958202668	0.7305742428
0	0
159.8154697162	187.8926957846
0	0
0	0.4371654104
1.9051452176	3.922572455
0	0.0138558957
1.0876590144	1.576131743
5112.0856988098	6401.6655474057
0	0.1160059401
25.9134183771	26.5988058011
0	0
15.8065049289	11.9680087494
5.6967959514	9.319746763
0	0.0388988938
1.3352024375	3.2811798524
6.6018973305	8.4681483662
10.085345871	9.8047116252
1.6668422693	1.4945466287
17.5004450357	18.1323831264
1.741453215	2.365826216
0.1365190861	0.6093177656
0	164.3734004423
4.3021787296	2.3022405993
862.0481815444	1748.0866165216
9.289049672	8.7322658976
0.6403799592	0.4639887905
15.4127433481	11.3091465617
934.518802311	419.4282861564
14.4172544329	11.4906607968
0	25.7499688695
3.880187072	4.5674413821
0.8671751747	0.2468375612
0	0
0	0
0.3817351312	0.8873835426
0.9346685987	0.9684193227
56.2241512742	31.9109161165
3.6468717641	4.2717982426
0	0

gene_expression_table

18.4286274745	23.3548543745
6.9490201217	10.995990292
0.1540980055	0.331606644
8.0787123044	5.3656623271
0	0
0	0
0	0
30.6413266919	32.7984665904
64.9099715615	125.4839335442
1162.3177584913	1757.0379545763
0.8694554024	1.3859250599
24.0045137355	35.7152676775
0.5507231207	0.5486631142
29.2829430244	26.0844595981
0.1458823837	0
0.4689763998	1.0465776628
13.9403594545	7.9516838058
0	0
0	0
0.6423364879	0.5759404175
4.7157396866	4.3848935521
502.2953248706	368.4930969757
0.2960478456	0.3539285572
3.1686119094	1.9241201149
1.9012960495	2.3203755957
8.6668702065	6.8088816436
0	0
0	0
0	1.229289502
7.2010655761	4.6233279917
0.2900864854	0.3106765081
26.2634017198	22.3276050744
0.6933829565	0.8059208781
0.015534625	0
10.6349977066	5.0857041522
0	0
0	0
14.233622153	20.1928619766
0	0
0.8839589001	0.3522609636
1.343545551	1.0832673116
11.4368564872	13.3082812035
0	0
0	0
0.7819523597	0.0890317062
3.3715472086	4.030722928
0.307350145	0.4388873646
0.8487478423	0.42278653
9.9893938312	7.5824975397

gene_expression_table

2.3578204752	0.9396003735
55.6222569643	56.2215584183
0.1827364739	0.1456423514
2.7291545511	1.1864491709
3.4609684228	3.3036866775
1.5821013372	1.2609467286
3.1115125916	2.662244582
3.2262347356	2.2638914325
2.0950264867	2.6716031218
9.3943426084	21.2973855082
11.47058677	10.8494123168
11.4047155681	17.6366237396
0.2039853199	0.1219333818
40.9941032735	43.5916950619
2.6818635656	2.0552553272
1.2270906694	2.2005012194
9.7823377064	14.3637308472
0	0
0	0
3.7002927678	3.3083540394
0.7816034628	0.292004939
10.6652452814	6.0482769599
0.3331120621	0.7798851948
1.0604951945	1.9017510498
1.1902263948	0.9486194364
9.2904096186	7.6628241575
2.8970556418	3.0717617193
0.3198709963	0.5417466557
9.4511337647	6.2535000612
0	0.1003989748
52.9988063421	65.4726965649
1.8313834737	1.9087423151
0	0.4538547851
9.5088797343	3.1236323779
0.8571513886	0.6285036469
27.4713787481	14.6459105519
8.3888456284	0
0.7834195773	1.7170761487
24.3918933426	18.8134097704
2.727170041	2.4840858786
0.3356338332	0
3.3297416829	2.6538292986
0.9158843462	2.3796916025
0	0
25.2579075228	12.4787063603
13.8275864091	12.8574727437
115.4773251114	154.9973047875
3.3687309659	0.1917788609
4.912295737	2.9124798488

gene_expression_table

31.0278120534	22.5893565168
20.4997324725	11.9815239764
0	0.1378737571
4.0404402574	4.0389719709
0	0.1316626638
0.1544435895	0.2461854172
33.0433872405	20.8138007204
18.8988359335	16.6315271332
27.251913306	24.954871748
5.8983796206	4.7010531572
0.3394541083	1.6232849464
2.5527781688	1.5259376272
0.6609608379	0.7901861783
3.2789786961	5.2955145447
12.7708512326	18.2613636713
48.4136013703	17.8369274701
0	0
7.4173753238	6.7843843649
84.1224081541	81.7125506158
0	0.8226325971
200.2236503767	258.0546172506
2.7962818761	20.0579201903
0	0
38.5445864306	34.3043649646
0	0.1496407171
4.4188374783	5.5579146115
2.7968374656	3.5426777519
0.7027626068	0.6632847373
1.3896385804	2.1043496667
571.9949612567	317.2478494789
0	0
3.6363944625	1.4491169413
92.8104757438	66.0840741849
1.2418234692	2.3093996212
41.8836289835	33.2923134642
367.6921975914	191.7058062128
20.6808486825	27.9198326595
8.5374108227	10.8870095679
20.0477614779	13.2030533962
22.0583308207	18.8829273031
43.2917036094	21.0966183877
1041.2322539871	1029.4281564384
0.7283702248	2.9025828831
0.612884366	0.9280996005
0	0
16.7156351269	5.7330376919
16.2534501793	13.6811397806
0	0
104.7664056652	36.9588470856

gene_expression_table

1.1364833654	1.2077144475
0	0
3.0346694776	3.6279817797
16.5477603294	22.0389953084
22.7111522723	16.0038976386
145.577810312	153.3208848765
0	0
0	0
4.8576447527	14.1312655336
0	0.2747884628
2.1556635474	1.2885601102
0	0
0	0.0986482077
7.2517656943	7.8668303467
0	0
5.3944695473	6.449149528
11.1563169918	0
0	0
46.0646609508	27.2731702943
102.4950828737	68.7601054527
0	0
0	0.9350466195
0.1444126943	0.2301960186
0.5543013571	0
9.4778974079	6.564747389
0.3801270007	0.0757410235
62.7409431425	69.2760383377
7.6483730605	14.6853632519
30.122344006	13.8665371367
14.0745416484	8.5098398123
4.9033311148	5.0803895666
10.5528579547	8.4107075837
18.6073799927	7.5836365317
0	1.1429363651
0	0.0839511468
2.3524844796	1.4843337686
197.9757937022	182.7445022005
299.3696463795	231.2957940924
31.8947442836	32.982102747
11.5579505104	17.6559000716
0.3763363	4.0492288353
0.5743510604	0.9727445433
0	0.4742052254
2983.3304387056	1590.1427184976
16.9800759523	12.5538690696
0	0
4.6117841782	2.6692052207
4.4098089927	9.8261724729
1110.9150963402	1601.8043443702

gene_expression_table

7.2108783944	5.409058451
79.0355896939	29.2230754335
14.3331771368	11.1640221344
5.9144886405	7.070838252
21.4830045242	10.5994057905
142.6865996123	131.7795556961
49.0659747018	20.8565081824
99.7084209982	23.3730486662
0	1.2531065966
15.9960033687	43.3463811627
224.5879707142	103.268256257
241.7716539697	239.7967741019
0	0
4.8411611709	2.8938315441
40.5291325784	35.722239544
7.3287255116	7.434063188
2.1844324898	4.3525230291
174.0187192825	140.8613325062
0.4387931099	1.0491642793
146.2491736567	122.0255268026
74.5225568707	70.9440771279
21.061544048	7.1341391904
4.7419984622	3.5570904755
18.1785013017	25.8271531584
17.5570638094	13.8224648963
0	0
66.2932378723	16.4786205275
0.7287473061	0.5808171133
14.8427200156	10.7756230461
11.9129785705	11.6364033218
12.8699272818	3.8465360091
7.8502519147	3.3238772589
2.9288175616	1.1282400421
0	0.4987136984
2.6844488844	0.1528232899
1933.0637421508	1815.7854224505
26.8806167367	17.4070445191
1.6329152333	1.017797347
0	0
67.9106144989	19.6422362604
98.0540985508	80.2664166187
17.1944010152	13.7040676219
20.5960777612	44.7688082991
7.0364823616	21.030486178
0	2.9959045502
63.8838819983	84.2746543457
845.8463169874	448.6714335919
34.5435164772	22.5257267681
15.1390554165	6.2215011574

gene_expression_table

0.7345273933	0.1463559716
0	0
0	0.6407963993
2.5100718553	1.5004096861
1608.2359695741	1616.3057382713
48.9813379384	58.5577450523
5.6854988605	2.9130335883
23.7068533429	5.3677674346
26.5651301497	18.7528827862
1.4737715116	0.5873035192
131.601468158	55.7456922481
4.3421811847	4.8450517317
108.5450427795	45.0579270007
86.3251910408	26.2943549674
17.6583372722	7.1603687978
1.6632970536	0.9942452463
0.2077709663	0
1.5466962932	0
46.2067135585	25.014634024
11.7615885005	17.256819828
163.1796114351	61.4547419707
0	0.1974770006
24.3379865389	21.4585499749
5.0501613123	28.1751172632
0	7.6009914362
6.2578039344	10.5094109334
6.4246841463	9.6009784571
5.268144822	12.5962537722
6801.2485987744	7190.1081093797
35.6992349859	15.3206093481
29.4002492296	21.6570526882
23.7716651777	18.5818469521
0.721402318	0.0958271837
6.8135526979	3.9149777585
0	1.8210400207
21.5975579888	18.8180575936
5.0219347001	7.004409875
1.6541108066	2.6366776404
52.7424239283	21.2261548949
3.3507457664	6.0087818518
5.6730897856	5.9601531002
9.2281532293	2.9702512677
68.9058606652	37.2661195517
110.3291908025	45.4826892963
3.3884535029	1.6878894144
8.1070984033	4.0808960387
1.8258225126	0.363798587
2.1953342116	3.7181081783
82.5644196486	41.5764585424

gene_expression_table

2.7742378724	1.4740590408
362.0405906352	255.9155604111
55.725545049	21.3688464053
0	0.5507099627
0	0.1332303743
1742.0796402225	984.0166273538
18.1632038251	27.1428952252
2.1676136379	2.1595055743
0	0.7138625197
196.4842413789	80.0526916817
28.5642917298	13.6595738958
5.0327075311	2.0055529781
53.1542004433	76.0065376439
42.4538478032	101.5081131215
0	0
1.5260714402	1.9764720251
32.2570559736	24.2258991992
305.8627394499	136.7848140194
0	0
54.6141258539	46.4733663094
0.0403580463	0.0482485021
1.3319911965	1.0616070552
65.1470997017	61.9319322302
1.1703095248	0
49.0897400679	72.1365233464
2.9553816847	0
29.9325947437	27.1096640242
31.6671104098	9.7350144849
30.3503298069	38.7031077525
0	0
0	0.3196314348
163.5935685251	150.3876031453
2.5568037353	5.8586517409
8.3090515694	4.1626369264
0	0.2442537525
6.2380675453	9.6045885261
0	0
5.4981966114	8.5451033324
22.6648980556	14.4932856254
0.7063670697	1.3136197564
30.97213995	24.1197237067
19.054645102	15.4036490281
0.1501779858	0.538618456
0.6412586767	0.3123315642
4.5102476656	5.3920522396
0.2561759277	0.3062612271
70.6108617279	44.6908690932
0	0.1272406587
3.2504194037	0

gene_expression_table

2.8381436493	2.201432075
222.7756434375	205.14858715
19.2039331029	11.6918388053
1.5367339481	0
42.2493309315	63.3845387557
0.7031210272	1.9613747132
26.144218476	13.8914265405
364.6659345155	182.9686172096
51.9060645951	24.205573701
0	0
171.2689431961	101.3673471311
0	0
3.6562293414	4.3710636467
0	0
17.1316222691	35.8418352771
29.6163626727	39.5721913061
4.6467263307	0.4114973357
333.2083953177	145.3116737084
10793.197382523	9609.9217941896
124.9318786828	115.8383079765
31.5652504378	20.3197157217
0	0
37.8225782094	14.211158102
14.2556974466	13.3908091317
67.6866201242	75.8044821606
59.5734144961	97.8097513252
3.7998472975	5.5249790377
2.9801842257	2.6602568856
34.970169547	8.6769731619
0.4679370708	0.3356544453
6.9643645951	3.9362461423
13.6542514951	36.8332180145
2.8221324248	5.3107548594
17.5581750066	13.1818465598
19.6160576428	14.2940765851
0.3830231277	2.1369063024
5.2286296328	2.3524839895
17.8748990025	0
1.0528409098	0.6293416245
19.5395371446	10.3821058996
0	0
134.4569717124	92.6101928283
3.3393229367	3.1050432354
0	0.5155954957
0.008967	0.0250148253
58.229513725	31.2062956302
5.2385191317	5.334900291
0	0
5.1284184511	2.8611717982

gene_expression_table

0	0.7476385019
0	0.4591202881
3.2689917911	1.5469628854
0	1.1273174598
9.676112535	7.2794899097
0.4570138296	0.2731826084
111.9930157113	62.5735161142
19.3713068318	6.4329491742
0	0
0	0
69.0610467936	52.2900676642
0	0
0.197897975	0.414031229
0.2863576493	0.0855859544
24.0459223855	15.5401384159
0.1805742228	0.6476355943
42.4669760475	60.7133563444
0.6223310497	0.9828198721
5.0258793789	3.6050974806
3.9189575407	1.9726981848
1.4427174278	1.50365876
6.9999086492	3.5864872213
0.3915829909	0.8086087485
0	0
4.4442175428	5.0179395633
3.1183243471	2.631523853
74.1536580006	65.0111287404
2.6201377045	3.022495419
0	0.5618239952
26.6926212318	42.5484419076
0	0
0.1774723162	0.3182552503
2.6032415729	1.6397638333
1.342505785	0.8642204807
16.9280383233	65.2827800436
10.8414070891	3.4562733702
0	3.7683994011
2.1991068528	2.3369397198
0	0
2.2568593222	3.3876155958
1.5600380093	1.2951688431
35.9178346583	32.2051340359
0.7489881326	1.6416103139
0	0
10.5907460969	7.6763300166
381.3460666332	692.093061241
2.8947279272	2.5378320506
1.2337375649	0.6760174905
0	1.3046636152

gene_expression_table

3.2183155174	5.2155443311
0.9188109541	1.0047827301
7.4899054793	3.8892270596
0.2624251112	1.1503513885
0.7170305472	0.6494076907
0	0
4.4427733129	3.3638777275
0.6362731489	0.5916335959
0.4754685097	0.142106999
0.5659700215	0.8055042619
2.0830184131	2.0844500123
0.22801832	0.4543308128
1.0189520532	0.5414083274
45.8252700866	78.4857821853
1.6913747531	1.7445203694
3.9507143337	3.2886936054
0.1754312054	0.2796399943
0.3273346942	0.1739254842
153.5336093571	92.8386233553
17.8174123078	7.8248272038
1.9981380542	1.5925311378
4.2380133814	12.8228589917
0.2780086794	0.6924219362
0.3040189548	0.5855713972
8.8423485329	13.8812791408
3.4161038591	1.2762471591
0.0712437518	0.0567818089
11.2808051632	9.1863410786
1.0157658367	0.9894781751
8.760761867	10.7816369465
39.7540939752	34.1486489864
31.7882359939	17.2151232793
63.0982756482	65.4506992313
0	0
10.2409844921	9.0082177787
9.9475596649	8.2700164884
2.5749860224	2.1164171842
0	0
0.1211990595	0.1207457085
0	0.8653123735
0.4353686082	0.5879587899
0	0.0153259193
12.8993022007	19.2289811183
0	0
0	0.0105736878
0	0
0.3412535871	0.1359908446
7.6716095682	3.6685985001
0	0

gene_expression_table

1.8310702015	2.1890651939
1.2338108425	1.4750348561
2.3552283375	4.325571481
67.7598573793	76.5072514728
1.7795806529	3.6640430273
3.6289571784	2.6030756799
0	0
1.6145889158	1.7322840424
1.9919133773	2.0285616964
15.1035224941	17.554864878
0	0.5725472498
97.7533539199	129.3865194021
0.9104425911	1.1402751317
0.4958370385	0.6915752705
33.2989315873	27.0498752647
61.4693579234	28.363524927
0.8214184074	1.6366917044
0.9450263817	0.2510643906
10.1694470263	2.8760125136
7.3327167196	17.931162285
1.6183763044	0.8291945261
0.1535673562	0.1070950511
1.8932218319	2.565150596
7.885984854	12.5703791146
0.0105206819	0
0.0229808124	0.009158
0	0
0	0
0	0
6.7323982476	2.9383991217
10.2816573465	10.8666973379
11.5401350114	14.9831461478
0	0
0	0
0.5342929843	0
0	0.2769592021
42.2666435397	4.3792884842
0	0
6.7786203238	8.779243937
0.0570001173	0.0605726993
1.3675516812	1.7439184486
2.7918450941	1.9469814438
0	2.1579271706
4.8985533701	4.8802300946
0.9091866924	0.9963644192
6.9956016247	5.7082985194
0.1634737914	0.0895742704
0.8028290234	2.9433596897
0.1116915255	0.1780379808

gene_expression_table

0.9288274339	0.9459165125
0	0
2.3440679105	2.8306664378
25.893372823	41.3797197649
1.6718161451	1.4573673065
0.8160613918	1.415591923
0.8020178694	1.2784286124
0.275782355	0.3022258556
1.8877076602	0.9555717852
0.8862386494	0.6710219595
2.3107832795	2.6704820322
8.257064804	5.6981336453
0	0.0205998005
0.8477970419	0.472990457
8.3035148772	4.7213524678
0.4724338986	1.4120002103
6.5144774919	5.7112966011
20.1339151515	20.0586032689
0	0
0	0
0	0
0	0.0710697033
14.9492656211	7.9853691213
10.9700288987	12.0861826788
686.5718304326	289.0353992136
18.0306921465	23.7427270924
0	3.22587723
0	0
0.3240069735	0.2582360078
19.4247695002	12.1641835613
0	0
0.0665680647	0.0884254182
0.1970833748	0.117807705
0	0
10.9265225938	5.5292197628
1.9926558131	1.407688824
0	0
0.0713857414	0.2844748784
4.6390694159	7.086632354
4.1885983826	8.6240568377
23.2583709712	32.182460987
0	0.008027
3.9685601817	4.5185321035
20.7217261913	10.8204164384
0.5243110745	0.5278482832
54.3876867781	25.8880291258
9.2694833767	4.7713187202
0	0.5128480234
6.152533075	1.2259038455

gene_expression_table

1.0610947508	1.6385447957
0	0.7339677053
1.5249849994	1.3311792969
0	0
0.1737365526	0.2077040192
7.927523037	10.2207726229
0	0
0	0
2.4278169997	0
0	0
8.3469342097	6.4402536256
667.2975137425	619.7076906077
2.6487963693	2.9183001334
1.8066460841	4.4997205929
0	0.6313586802
8.2611161475	21.2156654451
0.2720461312	0.1626171177
39.6397591583	33.0116574343
2.2511567191	1.3456416952
0.4702663604	0.6559102288
0	0
0	0
3.1762809194	1.2657599548
440.5576041608	1607.7394477054
102.7480508355	38.7904610979
39.7216191035	33.3696973025
65.7376711707	25.7672562236
12.3677540631	8.0828986742
36.4927833507	17.7741814952
242.8502393492	147.8044733721
61.9060482199	27.0418898641
19.3306889297	6.9578668839
3.6405594011	5.181345304
5.3853789318	3.5768231077
2.5562453113	3.0560202626
105.0110629675	99.6364419162
0	1.0579231442
1.397894102	1.0212878218
17.1273929103	19.1406016692
0	0
0.4122332494	0.146023563
3.7343554073	6.7643397645
4.5355488732	7.8322112847
5.0972842777	3.9565939174
0	0
0.0855994245	0.1364467772
1658.8593770424	747.3622207352
1.2014528661	1.9463590492
1.1074688615	0

gene_expression_table

1.1876216011	2.6818729557
1.340234501	1.0681770313
0	0
24.8197291165	20.6232782349
1.2160357985	2.353746478
1.0078146364	0.9371085332
32.8980217756	15.4235130049
11.8788885776	0.591722751
0	1.8282015252
0.4093428802	0.8971857694
1.7523320011	4.1898655645
0.4027882591	1.7014340271
6.4217531772	7.9843699093
16.5900828315	21.6073716541
0	0.0785421355
0	0
135.5432313367	63.0773240468
18.5556842014	24.8043700178
2.4671537815	5.68053841
11.504422738	0
0	0
0	0.9879994739
27.3595392895	16.3543197664
0.3303625265	0.3686220043
0	0
15.3977571754	18.4081933448
0.1324795581	0.4223488381
20.3535034188	12.7747431981
31.7351699958	15.4226649067
1.0311686297	1.2327737924
11.7707435162	10.3723615412
3.8590933221	3.3455271329
3.988043655	1.3497743752
4.2887608735	8.6988167529
0.4794442427	0.0955301717
4.9485426251	2.5354452149
0.4481400713	0.5714736405
0	0
0.3183068305	0.0634232377
14.3754932235	7.5794954197
0.272293465	0.5425498762
26.8423819381	32.2399775177
0	0
9.8116749288	8.0742873713
1.1895667276	0.3047443961
2.2454890914	1.283894976
23.6752991036	11.974806717
206.0375141168	137.3919254148
7.9934599457	5.4607268726

gene_expression_table

0	0.1255872799
0	0
0	0
5.211177068	3.8456921543
1.3206690339	1.1578415266
0.3466567577	0.0828864171
1.4862646172	0.8179133335
3.5877531297	2.7888622646
7.836214668	5.4385166467
0.5008196752	0.498946335
6.9890683939	5.4708699931
0	0
11.3102888741	5.454564628
1.3467741068	2.7049406493
0.2406730092	0.9111364888
0.0869786101	0.1463477321
59.0884612131	44.41815774
6.7391278831	2.0658214922
0	1.92691735
0	0
27.8277070157	15.2659912212
13.132112768	15.6995897587
1.3999764256	3.62632334
0	0
80.0679447813	155.8367101165
0.3522870081	0.5414954321
1.4166275356	0.4776804397
12.4645496033	13.4823189548
1.4498385997	1.2277530971
1.663264298	0.9389909072
11.5847654194	15.1687392585
7.0923204255	6.7125016953
0	0.2508735098
35.6880955102	24.5782585241
0.1562283075	0.5603181408
0	0
4.029387754	4.7441912042
0.3894771447	0.465624344
67.9539818283	95.7243636714
15.6366757196	11.9432759168
1.0271806016	9.8240484762
1.3195053398	5.2582786651
12.1867277194	6.4752760936
1193.3350610008	1084.541808351
13.5797972302	9.785359875
2162.3406215865	2284.920043367
4.2462995368	8.2916154544
31.3138197325	6.6063576445
38.9987683179	26.2022398988

gene_expression_table

0	0
8.9331955986	22.6944403993
0	0.4857578524
0	0.2522725166
32.1055110695	35.5393542821
88.603243025	71.1869502523
1.462036037	6.9915226588
5.1654345733	19.1524901799
7.511463695	2.9933466808
0	0
9.6752975928	6.8544758575
88.2744626188	49.3537980072
9.2148971997	10.6299697627
1704.1843566271	1245.3255756587
17.4285798157	24.3087423189
5.1806193876	6.4884172953
5.3279647859	13.6492335674
2.7587037558	0.4711516613
373.032284327	472.1975225466
21.0082508119	21.6907472867
1218.2072909819	905.5001156716
60.6396451657	35.9791903649
6.1485322483	5.09909264
0.5750667115	1.8333300694
2.7040692126	3.5919393481
0	0
0.2463076634	0.2944636052
0.9229572806	2.5746137599
0.621567464	1.3313712908
0	0
2.111683613	0
0.0894483254	0.1069364875
28.8638411012	96.1267805007
5.2379330735	3.6835343518
7.0058394747	4.5367619658
2.7127544738	4.1439978364
0	0.1572354434
0	2.6464216134
0	0
0	0
0	0
0	0
0.069349113	0.3316306048
2.3632358357	5.1273513713
20.2140751005	25.3595464732
0.2174425159	0.0742728554
2.0080574842	4.0010924964
0	0.2053569952
0.5573520338	0.6663206778

gene_expression_table

0	1.2901406807
3.5370417527	8.0812738621
67.2749527204	59.0443423292
14.2169801804	71.6521691525
0.3975733764	0.6337379743
234.5946363352	582.7293500856
0	0.7820887668
8.2139725134	11.8516001929
10.5828572886	30.7991327938
4.0152239693	1.600081932
5.0023038253	3.1009019789
0	0
0	0
0.5066398994	0
1.9913915351	0
0.6841214504	2.7262498444
17.1846660394	10.7188503437
0	0
0	7.7308871002
0.339002146	0.5693231837
0	0
0.060099663	0.1796245719
3.6772421537	5.8615796028
40.717099484	37.6673098339
7.4478745844	0
0	0
0.6299432576	1.5746726467
0	0.1687855556
2572.4566821014	2931.8824204066
0.0466117968	0
0.3128524462	0.1745420356
3.0649569866	3.0378334317
1.2690662608	4.3829734246
0.4972704394	0.1486231126
140.3794742251	293.9684181088
2.4695584148	12.9648215027
2.5384376589	6.0694620244
0.5422025922	0.5581802724
0	0
17.1489024561	19.7301377564
0.3487039973	1.528558474
3.5003936352	1.115936078
0.0158277971	0
1.1789864395	1.9814592909
0.0443764713	0.353683832
0	15.2973320968
21.9556679552	29.2197500688
0	0
0	0

gene_expression_table

0.5740114572	0.2287457358
629.8648987944	514.3585056746
0.7273916373	0
0	0
0.124617699	0.0993212484
29.6522363038	27.6161559625
0.8922578537	1.2444884481
0	0
42.8646895383	55.2589648977
3.0494980426	1.800350369
1.3106705881	1.3769916684
0.6482470248	0.2137894264
0	0
0	0.0258258597
9.6222280793	8.5859328176
1.0742126804	1.5410801318
17.7658598626	13.8223931051
0	0
235.4374194453	272.1725932175
0	0
16.602179795	17.2592123887
0	0
0.6598282657	1.227072273
5.1551980094	5.7779040848
0.006812	0
3.5333551146	3.7816344266
0.625788342	1.1970192969
0	0.2228000236
8.5867118531	8.2694397477
11.1526738691	10.3301868195
0	0
1.3950924643	23.90583372
0	0
0.2827386498	0.3661853678
11.6752105659	20.1331363827
6.2225850357	5.9513367895
24.8296171693	20.3163291193
20.7210249722	16.5148135816
0	0.8031975487
1.1183145223	0.6170573978
0.5299880634	0.5430914922
0	0
0.1231516768	0.4089700734
0	0
14.6849016255	9.7327814001
15.2448481247	8.8696892356
0.4108608193	0.5457652994
0.4903015812	0.4809526985
5.8991793516	5.1856881054

gene_expression_table

4.3060195594	3.3482245347
0.6195226092	0.9258078824
4.9587303084	5.7485753461
0.2306813404	0
6.9392416349	7.1898164689
0	0
0	1.4073084997
0.97008945	0.9664607836
0	0
1.8463382692	5.8861822454
0.5846095517	0.7191655338
1.7415524329	1.0353341937
8.5792171684	7.2175732288
9.7233941837	10.1341167437
0	0
0	1.8630128462
4.3152921412	10.1030038686
0.4392141147	0.1969070459
0.7966741808	0.4108534592
0.1403378018	0.1997326592
0	0
0	0
0.0185229555	0
0.2187244047	0.1597979207
3.1267672823	3.2485745207
4.0706005004	3.5549237865
24.0537978745	29.5553822934
7.3544843074	4.1901135442
0.4819502967	0.0640196718
0.0353451355	0
3.4467392175	3.4796311433
5.2848275959	6.8674688386
7.7875113215	4.2116929549
0.0118497492	0.0566660382
0.0170180947	0
0.2822597712	0.5499099758
0.6708536637	0.660481429
13.9007923939	11.5791320508
7.5784286143	2.9226120526
50.8384052549	47.7813601353
0	0.1658104011
1.3746565395	0
0.17924861	0
4.7846645019	3.8134137865
0	0
0	0.8034276253
7.4851791125	3.1753155415
31.3817589768	28.5634280721
4.7664285965	2.6503811386

gene_expression_table

95.0400200151	85.2160664048
1.7757642191	1.7691218872
0.5134029821	0
15.7872463916	18.0159306603
0.8263271479	1.31717797
0	0
0	0
7.7551038989	5.6014192795
9.3708411172	8.4513458616
11.1548755576	4.8318044376
42.0680832606	21.3932360333
0	1.6049243763
0.4029450668	0
5.8831776112	2.3444685204
50.0436116683	33.1398563919
6.4779028829	3.8722031845
0	0
0	0
40.449663691	41.977458093
2.8567019673	4.2857657759
31.6351789612	45.7577912959
1.8787431384	5.2408037049
5884.6473569335	5589.2833703432
278.111528768	463.1268980742
196.5184022079	111.9732338276
0	6.0873919478
11.7340693671	10.5211597622
1.4702823234	0.5859130645
0.8329954351	0.8211440009
25.8908190705	9.1037552508
0.9246244722	0.9825769276
0.9618149887	2.555246062
0.5954854884	0.5141569733
102.7568233478	67.4101672524
0.1871275519	0.5219972583
2.9793600179	1.9788103852
0	0
0	1.3036327399
8.4827015022	9.3757948487
8.9379654011	5.7204875516
6.8059323255	2.5313771119
112.0871298928	93.6355706858
7.5486005224	5.3559669958
2.6771057024	3.4346939065
5.5988132553	2.1603181463
0.8376005014	1.1509895397
4.5304524076	4.0987514232
0	0
13.7418290109	19.971917087

gene_expression_table

0.3870355503	0
2.4643195106	2.0218483801
10.8515407098	24.1895006191
1.253080782	0.2496787146
8.4223426817	5.1581575633
1.8047351472	0.3595968896
167.2836979764	164.9036708497
0	1.1187737694
6.1282032932	5.9767482326
0.385931978	0.4613860569
7.9010344435	8.4662143051
0.1696684086	0.2028405069
0.1262991558	0.2390707827
1.1402763078	0
0.4278826362	0.1705128482
1.0848807693	1.9146002475
0	0
0.3838063847	0.917689772
64.5624384836	33.5587510761
0	0
1.0829174503	0.2876977987
27.1282815752	1.1608829821
15.0738707454	0
1.8477924605	2.9454091257
0	0.4944932722
0	0.2015931747
4.3824666764	0.4366073848
0	0
0.5478509755	0
0	0
36.8043335186	49.5390050168
0	0.1611934391
7.9212251041	4.2707457344
2.9071629419	5.2133194051
0.3184292396	0
0	0.2413013154
6.2371182887	6.3518722252
1.3148218723	0.698615316
0.3244775014	0.9051385773
167.2585903572	39.9919083642
9.1499357435	6.5191137944
246.338451878	393.3684090518
12.2061285044	16.8375750797
3.4761652703	6.7284300119
3.4946581342	5.6479064966
814.4351504962	539.6156100468
67.8127942956	64.374206505
0	0.2726382347
22.9882683143	11.1966700197

gene_expression_table

7.4008848394	0
0.9846965226	0.3433546262
327.2807858048	480.0277371983
0.4290041133	3.0772756991
0	1.7029543655
22.0030995927	26.3049551225
4.3378992186	11.2363500522
0	0.7898523909
0	3.0669938108
4.0299120998	8.2304179386
0	9.6966839756
1.7964321402	4.7964294973
2.4580587249	5.3875013224
14.5956294715	12.6592529677
887.7556855516	1035.4574732638
44.9199154056	30.7767385863
11.8347233652	20.6463967741
40.5078646459	1.0089085755
2.1915257495	0.7485696828
17.5912059041	15.3055204962
26.3171456477	15.5723218126
48.0531848803	47.8734396202
1.1790534195	3.1010578188
0	2.7443892759
1.5655446576	3.5650026564
111.1099635191	122.1454911243
1.608373282	4.4865998354
813.4483774073	680.8070237816
7.0802170548	7.2552683939
18.617531654	17.3422789052
44.6305737618	29.345996423
5.6779636252	3.8788970934
1.8634475727	4.4555454169
5.3116799232	8.0435532182
3.3737430846	2.566676078
0	0.6673776586
140.2738710958	118.3209638507
27.1997387219	64.0498105823
0.8043704551	3.2054466742
0.2285959753	0.1821927208
60.6222349891	254.8689027681
412.3740317987	229.2469160252
19789.7457605725	24444.1096895297
8.2260886889	11.8012587936
51.2648848478	32.1760694233
0	0
30.3372477682	41.8095482606
694.9257092629	489.6942164859
11.4273656624	10.2208597862

gene_expression_table

7.2264915881	4.1756871173
49.5016984044	21.8786082144
9.9154239973	2.5888050016
8.5644213704	12.2866354634
27.9635984029	27.4679957141
99.9175738562	81.0571165506
4.3419133141	7.3929669944
0	6.2806656685
4.1496841027	8.8696566734
11.5017867099	8.9972515142
25.6558012718	31.8077940536
2.0142640611	0.3210767374
3.4148814838	5.8516256819
538.5226571151	453.72257127
93.4448116514	105.2193128685
234.7943941649	362.924426686
3.0478840081	5.8030568791
0.5974399991	1.1904104917
0	0.3530672004
0	0
10.0795021878	3.2864070511
0	0
0.6326793548	0
4.6835036027	6.4475425376
14.9681574892	19.1727879078
18.440807377	15.7472816965
0	0.0660123525
1.4579474847	0.871496377
228.3524180324	174.67682091
0	0.4786289829
3.6368642202	0
0.516244664	1.3767780139
5.2212473904	1.0403434124
3.4802578617	1.1557465963
56.1019248584	32.5190242312
17.1646484255	12.5077527615
39.3998250914	47.10293777
11.1848312569	9.8058345924
54.5726396608	68.0012085948
0	0
21.2237110711	10.5150145589
0	0
12.9489299843	5.5571358278
2.1477697535	0.8558943668
15.0438810076	17.1722431239
6.1079277386	3.0425403698
0	4.7263747905
280.2773562082	184.7664003859
23.8449739658	41.1766865265

gene_expression_table

8.6891870151	4.616898502
30.584427951	12.9497608036
12.0348124319	31.3145250687
8.398856184	12.5511597849
1.6496136226	0.3944263592
26.8118526766	29.0455815957
10.7140552818	8.5391830723
0.6390584764	0.7061227434
1.0836617135	1.0889961221
0.7989527943	1.740508543
0.2659096434	0.5009301733
0.7095955252	1.9794354967
0.1159543165	0.0462082335
0.5867646088	1.714738043
13.0970634816	6.5390344267
0.5623844572	0.8964493296
2.9105357919	2.6419022328
15.6048392824	16.887732587
0.1158234154	0.2307803446
0	0
2.0545437181	1.1747188476
4.2618624225	2.577348367
0	0
0	0
87.9207784377	38.3214591013
11.6819048653	14.219774304
7.960716388	8.1024187046
0.1712509181	1.0919062128
0.0292514556	0.2681067598
13.328828668	11.4260917905
7.5979576994	10.7655639772
0.9305904223	2.0767252887
23.7592092956	24.7411377767
3.2828207764	2.8680130757
3.4363362763	5.6020622635
4.1405848917	5.7751355673
1.1304797769	2.0522798964
25.6693087199	15.384247758
59.8489921958	91.584190692
8.131211879	11.2511065111
0.7073932688	0.5894249561
112.8733463714	75.3726547699
0	0
1.8174289609	0.9546962295
0.1048847914	0.0417969859
3.3934075592	3.2805450401
0	0.4120232456
0.8754685029	0.7442720176
0	0

gene_expression_table

0.6472422323	2.5276990704
1.6805734198	3.8508604536
4.7018258524	0.9368476891
9.8426746786	6.8277823834
4.5229280953	4.2163378015
0	0
0	0
114.6916048163	118.0713485038
22.2393029291	10.3174747932
2.5136576722	9.8166804398
12.2307513909	3.5447277598
79.5221352309	146.2119742543
0	2.8352447207
1.9624639132	2.4809839508
0.0785272625	0.7197484527
0	0.1379890702
0	0
0	0
2.2606817903	3.5689113367
0	0
0	0
0	0
0.0140267162	0
66.7350017932	48.1445828337
0.34974656	0.1393753264
0.1414194445	0.0563561833
0	0.0118502554
0.008121	0.009708
0	0
6.2370238084	6.6916703748
0.302057486	1.053246689
0.733251995	0.7305092304
138.3884621133	98.5985210863
1.6514715571	3.1852894705
11.7412740204	1.5596473623
2.3208413445	1.6647552902
0	0
127.7403258341	168.1861366655
0	0
0.5930436032	0
0.555504458	0.7609615292
51.1346613255	31.341259287
16.456997578	5.9260624277
11.6389077236	9.5855073768
0.7485500114	0.2485833413
0.3235987973	0.3223883604
1.0182384834	0.4939831647
0.5207281274	0.6863862678
29.3386833848	25.2884464047

gene_expression_table

2.2406386741	1.208045212
0.350121453	0.2192531357
2.4000117936	2.3085849703
73.7605821222	50.9359542641
11.6733773511	2.5665572456
0.0529382144	0
99.0775029371	106.9014337401
0	0
0	0.1108603099
2.375376808	2.7214653358
6.2535815639	26.1012159628
4.1042572325	4.1632487883
1.0931805324	1.1234837989
6.2097676086	6.9409957304
79.0631890008	53.8277812245
442.831096124	345.9077259622
5.7821751307	8.0647652754
0.6235913289	1.2735804485
0	0.006706
1.4485207228	2.2608605224
3.7592809593	5.9923506996
0.2300454807	0.5500439627
2.9252089605	1.729758522
0	0
0.2576789003	0.7188021117
1.189640133	0.579426333
30.6405996097	34.1509479185
11.6423386269	8.3868173099
2.5420285263	0
2.8030620515	3.7781924962
6.2329719155	4.6042336185
0.7140348465	2.0487282183
9.4980948545	8.241590414
0.4549606647	1.1603426875
109.6157012158	111.9358203481
0	0
0.0392157208	0.1875313558
2.552454988	3.4176675548
103.591779502	167.358307208
5.8939151809	9.214317047
20.1406494028	7.9045169787
0.5615991608	0.1491995925
1.2653871465	1.0085231238
6.3129201795	13.3730514957
18.8343549242	32.8993785387
2.3529933733	1.3605505859
0.0901229446	0.1616145037
15.067595942	13.0097368884
0	0

gene_expression_table

2.9793438488	2.922534862
1.2301880749	1.8718048317
10.1571862987	5.2825616925
191.092981069	117.7136931333
0.3098499442	0.2469527484
0.738239973	0.2758044565
0.0391235116	0
0.1223701489	0.755856988
3.423454215	18.0385415853
2.8506445858	4.5439705791
1.1672156123	0.9302796687
0.3699199845	0.1637939026
12.5724119656	10.6337956091
5.2278958378	2.4801622099
0	0
0	0
10.416647681	8.4452874305
43.5336824829	82.4931129395
100.8814612453	60.0687350721
4.3153420624	3.4069134587
0.7515775039	0.4118214055
0.5419200993	0.9934031587
20.6855003151	26.7905627621
29.9387883946	23.8614407279
1.5835489093	1.9292106947
0.4478819868	0.1784826651
0	0.0466721997
9.7448826338	7.1842392577
2.1257468347	2.4566426361
15.2550221148	13.1480025765
5.8686245995	6.3144065437
1.1285663722	0.1499126554
6.6699641746	7.6892314708
2.4462513507	2.3246194433
3.2761567307	3.790337932
11.8865592289	15.4643854676
2.1232298299	4.865161908
0.0745094958	0.5641539996
12.793688984	8.9923361265
8.4465289755	4.9125022009
67.5620397405	112.2123171372
7.7485227327	15.6106233293
41.6577760285	52.3563100699
35.131550062	32.4906948872
4.9726471122	2.5847200098
0	0.5169757631
1.2029811102	1.917570082
1.2510205265	0
39.248211675	48.7045440568

gene_expression_table

0	0
0.800474811	0.5050710443
3.3234524766	2.9799188478
4.0851395163	1.3264725156
3.2932916208	2.5296776596
1.9248575092	1.3423602406
0.9905343019	1.0263023269
0.1633040554	1.7570866535
3.2846221791	2.7113640241
0.7140348465	0.6639397004
304.1523239462	364.7529707848
1.8850213969	1.4340864745
1.5049696683	8.8960855223
0.6343472641	0.6319744575
888.1467854313	833.4278596812
2.7788016644	3.845010309
0	0.4414520878
1.4149656904	0.5638691772
1.0582230465	0.4217058848
0	0.0706045523
87.6735963184	55.7348426919
1.7404772804	1.3871735528
32.9130100002	22.1331806747
0	0.1082753953
3.2837404046	3.8530498443
9.6740268332	4.009341718
7.2477878183	6.4561348346
4.395329721	1.7515555111
1.3640549807	0.7685111635
1.1044051484	1.4611639618
0.8083893048	0.8053654855
22.1802285004	6.7991576258
0.5491904296	0.5106604125
1.3918370278	1.2202350989
1.1001866586	1.4537367475
27.4241346884	16.0224702916
1.94558857	1.0735260934
0	0
35.8838491506	23.2788248513
1.1831363438	0.5657811673
6.0362276863	1.8556402274
873.8877883654	885.7915815992
26.967046683	47.535847666
1.726328546	2.4390899672
0	0
0	0
15.8553510609	4.6878580277
1.0289343207	1.2740348881
0.5378348635	0.0535823066

gene_expression_table

20.7140372879	13.2847825584
13.7634683287	9.5568383163
5166.3687475939	5920.965120887
6.4870929751	6.1840390449
1.3378143855	0.7996861357
0	0
0.2383743644	0
753.4340674531	507.4585763935
378.893913399	220.7666423771
1.6258354082	4.6972862877
353.3044067489	217.7785543377
174.4876375705	56.6065384785
11.6882703331	15.5982806531
26.1783689562	19.8276197159
128.6057413696	48.9203344176
0	0
50.6107860468	70.0192543992
5.8625364459	7.8582717006
20.2205802517	22.0120365828
1.4885982704	1.779636116
1.1731380085	0.4674999317
7.9974336848	2.3902556693
0	0
2.3601586333	2.7720947236
10.1599625455	7.7505283872
7.5471517288	9.6704894757
35.8304907395	16.7803895569
15.9498673887	11.5565135556
4.1452027843	2.3843158879
20.4454758699	29.8745312498
0	0.3905815123
2.6398863016	1.4970835713
31.3595949318	13.7290075629
23.0626704198	8.0296483414
1.1471107641	0.1142819941
31.1629706953	21.3714781695
0.164886003	0.0657076956
3.1546688583	2.6539779855
3.5898929157	2.7794240326
0.1968573681	0
82.1523135973	63.5872839134
2.8332879715	2.2581519368
3.8234907266	1.7642558536
0.650291244	0.5923280441
4.536949556	5.4239746523
15.1014970787	27.4571417883
0.7088142002	1.9490094561
0	1.3582401162
32.0200637484	29.3636414947

gene_expression_table

0.3927590113	0.417375869
4.9453636047	2.0692833979
4.3364222116	3.5471129048
2.3369921911	0.9313002236
27.6836619455	24.1654296005
357.5840977306	207.3600533383
0.6095634698	0.4195775999
4.528865946	4.404862865
10.5589317943	20.2428058026
21.4215567448	9.7919494904
5.7344797611	8.9565561804
2.7515702264	1.9737200484
50.47483862	53.2733242578
8.0427853756	5.7691446828
0.3370482464	0.1790866673
35.6667642681	37.9022410803
33.574056999	19.1771237267
39.1810526296	21.9912642304
2.6820708205	3.6922712505
2.4202052105	2.2693198268
0.162053843	0.4359087165
8.0817492483	3.6806944341
21.6689495012	18.6652267856
0.1847792461	0.4418113689
2.316601737	2.1925395574
3.3419950058	3.1508383304
2219.0040116184	1141.0616399173
3.1612355955	1.8564948116
16.205442775	16.2412125513
1.1735367434	1.7267402916
0	0.2476728983
0	0
0	0
0	0
10.5106355934	8.6502209134
0	0
0.00846	0.006743
0	0
2.1252868089	3.613588601
1797.1785577899	1061.4587963227
4.3665487696	4.2394827252
2.1073480635	0.1199694529
17.3300820907	10.9511065543
41.7628569741	13.199348176
2.8035003261	2.5566817694
30.0002543159	9.4192601186
8.7409854474	4.1799788971
0.5270669694	0.084015272
0	0

gene_expression_table

3.1198866717	2.1017464526
2.8916357774	0
0	0
3.6425822015	2.2873425604
14.9784271737	7.0982225329
28.3157816735	12.4593570964
13.0186676415	8.0529967245
18.8160151211	25.5685775555
0.8072766511	0.9651083925
1.8789401768	0.9626975538
4.3280627125	8.6237467695
1.5826434428	1.8019697012
0	0
0	0.3890374977
0.2738189185	0.6547072456
0	0.0246276207
18.7389444934	18.3166081025
3.7044744449	1.8906322146
1.2269378751	2.3049999432
1.3612202162	1.8777163931
0.3050026643	0.6077235743
15.3199524373	15.2626474149
0	0
1.0366701308	3.6262489277
0.3941667497	0.3141538799
4.8477507011	5.5195628061
2.3446216184	3.2390473411
0.8415861983	0.7378256199
1.1127905853	2.5656822631
151.0775119844	159.0196218166
11.0125475209	11.9465860707
315.8818056541	381.5740343258
0	0.697356002
4.4597152249	4.2329991363
1.4514700711	1.5592091858
0	0
0	0
4.6292744197	2.9409589765
0	0.5829020809
1.2374153052	1.1271192626
8.7567545658	3.4895998009
0.1719532869	0.2312686179
1.8347866221	2.7114198792
0	0
0	0
3.1191733967	5.8697335138
263.5720061246	472.0778718255
8.6774238649	3.7292008219
5.0641076367	4.0937911076

gene_expression_table

0.0215289083	0.0300277298
11.9772054927	9.112017735
1.1672687515	1.5815474359
0.372553888	1.1505970297
0.1608826714	0.0213707843
0	0
3.2613107949	2.3075323941
962.9504700457	893.3408548836
0	0
147.4967317609	78.3706736577
11.5290287679	15.8046037371
4.0248475109	2.3126244391
17.9423893827	23.4331336242
0	0
0	0.3318856751
0	0.2305626519
2.1482614215	2.4434243932
0.0722675129	0
192.5869424325	80.9634721763
0	0
0.0410612162	0.0122722874
6.1162388613	3.1198007165
1.5499859539	2.2106272557
0.4697753552	1.1767313178
94.588408342	103.7897906352
1.6226867437	1.6166170055
19.3392437344	15.5236200833
0	0
36.0217078988	16.2488211512
0.3191897998	0.1695977893
0.470294292	0.3644162149
0	0
0.668772129	0.5996434991
1.4598627197	3.8784054205
2.8734553287	5.6236289216
1.0653204327	1.3467982154
0	0
0	0.0537778812
1.534979348	1.4033004626
0	0.00384
0	0.0154375626
0	0.7788131729
0.3975621477	0.4752900568
9.3442069195	11.2120251542
17.6027015691	17.8762808677
10.8259818992	9.4373009419
0	0.1108734569
18.7315592495	8.7652466872
38.8390300361	53.412550079

gene_expression_table

0.2792842142	0.5564790762
16.4830011293	19.9175031317
5.9791793414	4.0704895203
4.1755818608	5.467379805
0.1081442101	0.1723835063
0.569106332	0.7216078066
0.6344530516	2.0732219056
4.5336511122	2.7434726462
2.1374269143	3.4070908251
1.8479351516	2.7290456526
4.0763226975	3.873640784
49.8115789676	26.2879736337
4.7047068731	44.0588216836
0.5900481196	0.9405456257
1.0692190749	0.9373932561
2.0897391574	5.6211904453
0.2320572052	0.1849513472
0.7285892436	1.0922523753
2.0381795095	1.7327407791
0	0
0.4913543417	0.2937098442
0	0
0	0.0485825165
1.8645583104	2.6006173759
0	0
1.1208710115	0.6991377429
6.3054124368	4.4670767907
8.6223607623	11.2625865757
2.4421081868	3.3464054678
4097.3842465653	4859.3447582707
2.2480317257	6.4776784097
1.8623835464	6.1326421491
5.5838037736	6.8466674287
0	0.054051104
136.8914383533	115.1206148623
0.1084407969	0.5617828781
1.1970756483	1.1645368012
26.900113135	43.1975969445
2.5105722001	1.7949653917
21.8533682951	22.352201374
67.4313853763	36.4067678822
45.9348610153	46.0051719318
5.1361336486	10.0291665172
16.3112776468	8.9450997383
0	0
1.050309125	2.5830647416
4.7835106101	5.5342656668
1.8150623854	11.1389620298
6.1068136148	16.2607946391

gene_expression_table

0	0
8.4333241257	14.5350774439
2.3608137204	3.1359773102
12.6269133158	34.7199215924
31.0658458258	41.4179039716
5.4131644151	2.3668910042
10.646079553	8.1314639897
16.7257031636	16.3364116301
12.415313957	6.4318144151
1.059066988	0.7807780676
18.5262587342	18.1339635617
0.2273554118	0.3624079646
0	0.2046079545
4.6421755424	2.186274414
1.6959060777	3.3176862832
2.2818557621	0.8524951389
0	0
0.0885736765	0.9883144587
2.8547740396	2.9253554942
31.5970436913	20.7760432588
0.539990907	0.7531594629
0	0.0871979556
3.8786738026	4.3278652881
1.9198694714	1.1476128641
7.0240086227	5.5981879832
23.1608172131	19.6460187172
7.2214524043	7.9938224585
16.2535847486	13.129287105
0.1925700151	0
0	0
0.9320247627	0.8103608545
0.7933854666	0.6639509268
54.2962467771	73.2781859026
4.4514527997	8.0811946196
65.3078866911	39.4579247883
1.9518057278	1.400043531
0.6237640344	0
0	0.005816
1.0664917921	1.6575039436
66.530062719	161.9692648427
15.435559042	5.2086169893
0.6466891609	0.7731242266
0	0
1.3959225471	0
34.5467771452	12.443269254
11.798208265	11.4298261107
7.0529455029	5.0650847292
0	0
0.2120303509	1.3096708948

gene_expression_table

4.2305598972	12.363223498
11.0243209612	0
26.8084664646	14.8691199248
14.3091557999	10.6917237834
0.280199645	0
21.9089229019	10.9134857585
0.005959	0.007124
0	0.0496585726
3.4839643733	4.2913346485
6.0089877272	6.0720324014
0.5496244972	0.3783201238
0.0481513965	0.0191885136
0.1058302606	0.2108687948
2.9860762667	6.1164081838
0.4191042673	0.846207484
0	0.0112351071
0	0.2445296186
6.4593962327	13.534751374
10.9574071989	10.5194597428
0.0458200948	0
10.3672316304	9.2569445932
0	0
0.1681950375	0.2681054333
6.8084560892	7.551727453
4.5198057297	7.2046386847
2.12909067	7.2118307917
15.6093428964	14.1860513963
0.6276091523	1.3616807089
0.6537219419	0.9276721254
36.614365793	35.5445431284
3.5591613058	3.9004329
0	0
0.0103264524	0.00823
3.6800591415	4.6041827891
16.8548762494	13.0799516105
0.4088672872	0
3.2669798996	12.0891070983
0.1553352788	0.0619016959
40.2136679868	46.9473540183
0.0503648895	0.0120423593
5.1529177137	3.850232232
8.2676394717	3.1299513073
109.0441983813	47.0637051586
0.098812986	0.0669414924
78.4870043999	90.6615214524
0.133468549	0.2304801259
2.8735335393	2.5765064534
18.5638351052	12.6922326745
3.7289456441	2.514767432

gene_expression_table

11.5160222816	7.2337897089
0	0
37.4728900497	19.5789380687
0	0.400394838
10.0084378986	12.1186010367
2.1359698088	1.3795181406
0.3664700988	0.2920794397
0	0
9.0393584261	8.5206322392
0	0
0.9282688439	1.5223574955
0	0.0409730014
1.3164942356	0.5246279301
1.6113190207	0
0.4259663186	0
16.0921958219	16.6908515907
15.094495321	15.5803889432
171.684024283	79.5171074951
0.3519560686	0.070127912
0	0.1325253185
0.4456698738	0.3552022593
1.1656255733	1.3935185934
2.970373872	3.7405084889
33.3436705715	27.7112702525
0	0.2985381416
0.4092714707	0.815481142
3.610611046	1.8499399102
1.6159434008	1.545502931
0	0
5.0454647317	7.0462856203
0	0
8.5580372758	4.8931972572
13.6501340953	15.7402060837
19.186731979	17.9134511158
7.9297075523	3.3263351992
9.3009342896	19.4269495407
3.7880739947	8.8686756241
0.882353717	0.9376567789
0	0
9.6043488779	13.9177066862
63.9355774313	129.5160607392
44.9249456313	33.5676762759
373.6108714489	110.2011613051
1.9107483324	1.9036010859
4.9218471904	0
0.8588458185	8.7274592945
0	1.8550038624
0	0
424.0800893098	394.3275440932

gene_expression_table

1385.7677529778	790.5661227607
32.1247536533	55.0866873128
0	0
3.6438622936	6.1955963744
1.9205243147	9.9493706035
0	0
100.1897360671	74.0420254379
0	0.0885622305
37.3427052266	43.7028615402
4.7277315397	4.6831326758
7.0562741829	9.0607340268
29.7498617329	18.4842762836
4.7824970434	8.046893312
17.3562323346	15.9080056682
0.9623629565	7.4783528924
73.4820200309	80.9271844478
1.2085411431	0.5418092415
165.8295598362	85.5838166687
0	0
29.6555118633	12.0992105856
0	0
5.6934488612	4.3864643994
62.8206677753	33.6880965899
19.9895085615	39.5725093313
1.8410257605	2.9346229034
0.9061724581	1.8055657525
67.8275761217	41.2951389862
0.6665632619	1.0625119197
0	0
6.2687098571	10.0681184506
76.2723339435	67.5440298601
357.1007170082	125.2779191301
1.2058803896	1.4896984724
0.0790795879	0.126054059
3.3875701021	7.6497704603
9.1432120872	15.3841082445
0	2.2447105562
0	0.2887938468
373.1511822856	303.9509496435
68.6859545003	57.0516743457
0	1.5582032444
0.2005482685	0.2397577296
18.5333934122	11.8170037495
24.9021088146	30.8533263834
4.8160951705	10.3638535211
0.1586297073	0.3792872285
0.7770193732	0.5418790263
21.1105023462	27.4812089896
106.1142040275	113.0310527191

gene_expression_table

0	6.0796947398
328.1173075345	212.6032469422
10.1327979877	16.9594248888
158.5029078741	88.7134944313
3.573488821	3.6618397852
1.3148218723	0
42.7756611823	0
12.1348991073	9.0268325883
16.0105584218	19.9915065935
0	0
135.7966591865	71.2740495797
39.5777402937	6.5716163073
0	0
230.3754299596	116.3833248017
52.5857479627	77.2481655302
60.3145281931	31.4311267495
1.4978168721	0
26.5812075684	11.0532643939
133.357758704	75.6157096303
38.7091896467	16.3331559751
19.3264586009	25.3701965816
90.4270854248	45.044419271
2.5252316506	2.0126287197
3.5051003398	1.396795737
3.4886915977	1.5447297681
0	0
100.8665180574	118.8005913096
0	1.9270119134
572.193893743	2030.719999316
2.1503945867	0
0.0292475253	0
0	0
3.6957062031	3.3597175399
1.4253097433	1.9756219872
0	0
2.4392308309	2.0286108689
0.3946032088	0.1179381529
2.7384631413	3.5856602923
0.3825279737	0.3702086205
26.4572413442	11.033697246
0.4224226238	0.9258535694
0.6737012798	0.9060947112
0.2370590541	0.0388989709
9.3603211528	12.1468119922
5.9122529146	6.0079406038
22.4193461224	20.39770363
6.3379031808	13.8912310848
2.118624233	1.1865553477
4.6498622413	6.5153437878

gene_expression_table

2.9267319104	2.6242058954
9.3015571009	5.7491761425
0.878485575	1.123940484
28.3902140874	25.2214183233
197.3744144477	255.8430473413
0.3896381374	0.2173811792
0.6071636889	0.4839140511
0.6363978012	1.6484450436
2.7520005796	6.0317544945
0.6197544562	0.6174362347
4.3561176283	2.727888969
50.7986567906	55.1459684807
0	0
1.3924136529	1.3708852005
7.5977473928	3.4935358392
0	0
1.4141534021	0.8453182158
1.494755153	2.0848295287
0.1254119043	0.6497025342
4.0214692785	6.9444730824
11.1535177469	14.3712580674
0.4334426335	1.1659175649
5.0460377464	9.1047504015
0	0
1436.5379485022	2883.3395776843
38.3279299546	29.4942827435
1007.4760079668	1468.3608951845
33.7503280225	42.4180743038
11.1973614115	5.2988516415
3.1374499542	2.6255999037
0	0.1868349214
15.5386719996	10.2171622384
3.9657091644	6.0053303612
486.4179770973	248.7258287587
7.8571289184	2.2613468072
1.5400426861	2.4548513312
1.1091466764	0.7232713263
6.5848289729	3.7486846297
0.6210121747	0.8249189982
0.5427924359	0.707906742
0.1407831315	0.0841539152
0.3993555085	0.7957233999
3.9185963586	4.6595396905
0.4281038583	1.1089065393
11.0996330035	13.0557091293
0.3250594544	0.3022539835
35.0141244827	26.6234634853
0	0.0232155697
3.38514916	0.8459797512

gene_expression_table

94.0408754619	56.6749893281
0.3277157294	0
8.8537526508	16.2691707817
0.346160048	0.7587034831
0.2496833768	0.0331665899
16.3338163895	20.6788705553
38.5360707446	23.4392803492
1.0991118879	2.5028585298
22.640616567	9.5330715609
0.8451516074	1.1306726576
16.9304777923	13.1322799207
35.4290186321	57.8282296333
20.3361407714	6.7533574847
2.3905446241	1.1431692847
0.0311835035	0.0124267441
3.3559520386	1.4757071174
2.1553457039	1.8768848625
4.0912689711	4.0132582221
32.9438321921	14.0336376561
12.1543580549	21.2770567604
3.5544226203	4.3137366865
1.0261198385	1.9423350165
0.9287729589	1.0486720172
0	0
8.2939288194	8.6525378955
0.1536255965	1.1478821436
0.5223895508	0.9714796511
3.9204946231	5.0247972864
3.3004649389	4.0396895367
10.7812313208	6.065451447
0	0
10.1050142333	9.8698195482
16.5575245309	17.4234672652
2.4286225237	3.126787755
0	3.7084310109
15.4597637286	16.7221016554
2.3181277371	2.1708892682
0	0.2727575455
0.3080277462	0.2455004428
0	0.6686504704
1.862559935	3.711185879
4.0285665531	7.7594285102
0	0
1.4974692231	4.1229802873
7.6544224929	16.2320403228
3.8268524633	2.8922701589
0	0
0.1197249632	0.3220482408
40.5078646459	14.4129796503

gene_expression_table

0.1371709507	0.6012945671
0.026064858	0
2.7961760746	3.1836763918
1.4459876255	3.7866643765
0	0.008282
0	0
0	0
2.6164466477	2.2011793044
4.5473766957	4.3741474612
0.0151507956	0.0301882466
0.4889908904	0.4287023808
10.5497227689	6.8618715632
7.0099599198	5.6833184929
2.5408814015	0
0	0
0.7000090986	1.1158250892
0.5267750529	0.2519062202
20.4366303511	22.9636197863
0.6644551789	0.6997965952
0	0
0	0.2587968059
23.3527982489	13.2613042078
0.0422044217	0.126139662
0.0859422612	0.2146227804
1.4853781342	1.1838576044
12.7158834367	9.5012392952
35.7284777533	20.9822177339
6.9190795565	2.188316954
0.2486483955	0.0495436628
10.8802496315	6.8863033262
14.3597004408	7.4831318119
1.1860372384	8.0348855001
25.5680036998	44.2997658199
0	0
3.7419668069	2.8237388267
0.1956561674	0.3703561815
4.0972415195	4.2451922132
31.2977178146	27.1831283184
1.9918125865	2.2170114667
0.2678989602	0.213517497
0	0.0233033329
269.0340903173	153.9520574338
4.0682205656	5.0826850814
1.4953000677	0.7583962021
369.15354796	302.2008325206
22.2678202721	49.7410083983
0	0.0385773446
1.8280619128	4.047164353
0	0

gene_expression_table

0	0.255408263
12.0862761572	8.8301156953
6.0793769877	6.1819465109
0.5679730973	0.2263394266
1.6582226612	1.362073632
0.217429967	0.2866005036
0	0
1.5742425101	1.4899362809
2.6803994012	7.2828361029
6.4897460489	6.7330075646
3.3071031639	3.5679545278
0.544207955	3.1084546281
1.5736834111	1.7895828854
0	0.1798676269
216.736771738	38.6393997399
0	0
0	0
0.7175289512	0.2859379998
2.6629744541	14.8568754291
2.4346000551	1.0075126081
0.8370140012	1.8345428416
1.0786813149	1.6580259596
1.5313841345	3.3564430199
0.5340497369	3.4051334274
0.1174861282	0.4681866627
0.1192881848	0.2376839633
3.6723084657	13.0663286372
1.3904191891	1.0599931025
1.9783678554	8.3569029411
0	0.196997095
175.7480511963	261.0819265903
95.1628107386	133.4880443022
0.1849751154	0.0737132828
2.7139574227	1.7845117843
24.0099991748	16.8266154378
6.2782837696	3.1463537109
0.8935180249	1.8990416588
11.2704603504	2.5664691769
0	0
0	0.4025498156
43.1793955965	31.4764982786
7.3571976387	11.7274842966
0	0.5388081529
6.4181824419	7.423481127
42.9968491798	38.3040909105
48.8625384939	118.4540967982
21.8716676871	6.6436203263
48.1600101423	34.2713323551
16.1861445842	32.2915130553

gene_expression_table

47.1219350159	50.0753846836
0.3831964737	0.8685110725
0.2941670769	0.2344533846
0.2154629677	0.3148302932
5.2852314251	8.8728632237
0	0
8.6608111381	9.5576288739
4.5193618583	3.0722647539
0	0
130.3691590406	109.9775876619
9.440967783	5.6433920321
2.142539264	0.8538099969
4.0634365352	2.9441724032
0	0
1.086469735	0.1804009571
3.3713924536	2.2595439836
5.256832402	7.0701781046
13.6232603518	7.4813176261
0	0
0.2199931698	0.6136767693
2.2728933289	5.3439638493
86.1875034906	55.6309195573
9.5307997791	7.8493234726
1.778930952	1.2602857066
367.8677852803	225.7824726317
9.0353840494	14.5311329106
0.7896602134	0.3146825805
0.7884806918	0.1466325171
0	0
0.2194052181	0.2856171091
0	0.0733026815
4.6122159123	5.9428197133
6.4376225888	4.8607899919
0	0
0.9283441908	1.1098460093
0.7264906567	1.1580370933
0	0.3973084424
0	0
3.5318898815	2.4901418327
0.2759476329	0.0314189071
0.6535771379	1.979442499
1.6874303252	1.9688774177
0.2202285906	0.6143334818
4.544339374	4.3087797608
116.4575910844	52.864148389
0.4865536264	1.5996210418
129.0105363341	81.2147728381
8.1124526675	21.491290018
0.8408104488	1.2819921981

gene_expression_table

1.2005906428	2.2159322157
2.1960191832	0.2625365841
2.6302065658	3.0300984437
7.293651911	5.2846324753
0	0.1112171131
0.4008749392	0.4473005008
1.9004553814	4.4304311287
5.1245777383	4.7261500527
294.5492303096	284.0768636902
7.1638589153	6.3071712066
0.0786830871	0
1.0443567505	0.9123948641
0.3135353476	0
1.3850867719	3.3731030371
1.7693408938	0.7050890355
44.1676283492	79.7220264583
32.950568737	38.0796860292
84.9988907397	33.8723793126
16.8333392851	17.5930709274
5.6722585028	2.7301133847
0.7835711714	1.4646296814
332.5629566345	744.5641276133
4.1261616419	4.1436133551
3.4279584705	2.8174872216
13.9412528122	14.7224511753
11.1707688543	13.4857100884
0	0.9400924552
214.2073494592	312.4874984717
0	0.1064184945
2.5233907508	5.2290199224
3.0395147312	2.1490063274
0.9692439528	0.9147964253
0.9094148678	0.6411785423
0	0
107.023501425	85.8748813626
1.1146769074	1.6743034715
6.79053459	1.5295086169
0	0.0864627714
20.6556259808	15.6395555864
7.5136020378	5.4228267491
0.1374294177	0.0547661425
6.2676392084	3.6358602639
4.9081181884	6.9853701931
2.2673529607	1.0842584724
0	0.0737184493
4.4132029731	8.7933903482
0	0.0274489958
3.7883151574	1.8667812898
0	0.5480466689

gene_expression_table

17.302853408	12.8154187869
28.72379435	24.1649191366
9.7578777952	3.361290014
0.8689525788	0.8019136351
0.2800844237	0.1674220526
0.6195635108	2.7158824154
0	0
5.1288105413	5.1263788497
25.943373687	25.6512645931
148.7271593632	84.7437384365
0.9090238972	1.7783155298
0.4357990293	0.2778680972
9.0030998106	4.566251852
12.0229611927	6.324378047
1.0085607913	0.9846924565
9.1658687706	9.5881625653
3.1129564699	3.131817017
1.9955915919	2.1555482049
0.0562937724	0.0897331245
27.6942794259	25.8662696582
0	0.8310417304
78.5290005728	48.5949088742
7.0698478609	10.1803804502
8.7923066611	23.6504302556
28.5021168605	6.7439320373
52.7503348214	29.9664026911
11.3166620938	10.7465969031
17.5070956111	5.658833296
17.7176586876	10.3554791584
23.9516167596	21.2802317563
0.3665209899	0.3164633337
571.1602366762	358.4925408094
0.3396698081	0.2030395541
13.6049993657	7.3846526031
0	0.363798587
725.211069854	261.494052757
22.9319480004	24.1213050073
22.2296256727	5.4514399221
0.2237345503	0
0	0.2160170856
0.9701228783	0
68.4511154923	49.6849801448
3.4838467923	3.6443560598
0.25277408	1.6117028243
4.1959231443	27.0878780297
1.125673665	1.1346567109
129.6227859188	91.2208325686
3.3261669065	2.7662401824
1.3745670495	2.3736707193

gene_expression_table

18.1209023834	21.8842404524
0	0
67.7477789733	38.9967442987
22.4768197218	7.1656781093
33.3565947025	15.6385048226
0	0
0.2265649922	0
23.426099608	8.1095300644
2.3367754962	3.1208248609
2.4827562242	1.1872652902
3.6759854795	2.8755328851
14.1763077985	15.1825266817
6.495583825	5.0668798617
0	0
0.3056875337	0.1949082206
0	0
2.4667863505	2.9225028526
1.9452059648	0
7.4580215525	11.322094419
0.4534228762	0.2650130713
0	0.006226
101.2696616148	43.7193716058
4.3343909586	1.4359242372
33.9794405958	45.6010917534
0.5852196354	2.3321223725
2.3822106895	1.4239799492
0.7387937175	2.3062280349
0	0
3.2142981347	4.7678315136
2.2533031847	1.9130235681
0.0439305268	0
0	0.3104334079
4.5925057691	2.1136723206
0.0817383196	0.2442977203
3.5940830446	0
0	13.4301764716
0	0
45.7193600434	73.4846625694
50.5041918825	37.5385898114
2.0316416265	5.8697223012
0	0
0.0506958299	0.0101012399
0.7083746118	0.3495018564
50.1293628088	37.4367264823
3.0363423133	3.6299816738
3.3431976295	3.9968306846
63.9963918872	119.3748277785
1.0420366961	0.2076277815
1557.5638134947	820.4812934268

gene_expression_table

0	0
1.6941248002	1.6877878445
3.4444499861	8.5298922667
3.3758866915	4.4202832889
3.1020774489	1.2361895913
54.4339688762	58.5969560775
0.1712118633	0.3411428742
0.7323300973	0.4985537004
0.3681806377	0.5868855043
0.3346348755	0.2667065261
9.4307070837	8.769068997
0	0.3290691247
4.0908116723	0
0	0.1572178161
0.0382106098	0.0152270725
3.8139757382	3.7306237526
2734.7565110285	1798.7866317643
8.3808543489	10.8209589443
2.9263577211	6.8104013543
4.8046603525	2.0080741112
15.0282736275	5.9888238575
26.9280526502	14.4742787362
83.9447362771	78.4038158761
2.2188655366	5.3053578309
1.1539519584	2.2992710907
28.5958981384	28.6101633051
9.2413885008	7.8257975445
15.2994520685	9.2436711645
60.8401220029	58.698466168
4.5923810721	10.5645597673
143.0008428233	48.6974490127
6.5047517644	6.1414445885
17.0490051078	18.2171284624
11.5778403039	6.343993058
130.0143863549	128.3681084726
2.8131164277	1.0509726861
0	0
43.2024430454	32.9356010028
0	0
7.2250609144	7.198035225
67.8057946265	13.510432755
20.6011667889	8.502844382
0.7235034418	0
5.382040758	2.339742098
2.1389425786	1.2379756895
9.5713092941	6.4675615064
47.0140306255	18.6151710709
34.4947625222	22.0404702355
19.2627487458	14.8042508168

gene_expression_table

17.8974241724	24.7727587729
18.8615005708	12.430934974
16.1010616153	9.8314794035
37.067078732	25.4012361347
0.4729842063	0.5466093838
2.7667079317	1.9425767676
87.3947695363	26.2679322061
3.7694095342	4.5063718508
0	0
0.4812933534	0.5753916628
1.3037160527	0.3117214656
0	0
3.4034735462	3.390742689
12.2631042885	13.5055963655
0.791713099	2.5590609346
0.7995276022	0.4779221583
6.3447029017	6.7304978828
0.1683065063	2.0121233727
31.2841290911	19.5907544137
29.5724432026	15.227460655
0.8715908628	1.3121440708
6.6967093075	4.721482421
0.6573387019	0.9553541994
0.9057004702	1.4952609691
2.5700341737	2.3178546522
38.2129716292	34.438738596
0	0
14.5846874249	8.1859902517
0	0
19.7772855138	11.821984573
3.4893161655	2.6651358942
10.3978375058	8.2871551137
12.9081999648	15.5767999273
0.6550491858	0.6787029004
0.3404228045	0.1356597746
0.4955548385	0.8392920258
6.9289185452	5.5224004724
2.1396082937	0
49.9375516191	37.1258343109
13.4631611775	12.518614801
920.0775824142	1264.3153164988
0	0.9469162188
525.6777870545	230.1744211662
16.3607176252	14.9816860732
14.5831630962	9.3253429844
0.0216872238	0.0950668474
2.6017125955	2.0956440218
4.4144038924	3.0715433406
57.9774321663	26.3736918428

gene_expression_table

2.1606160042	2.7219141075
0.616605325	0.1842896649
3013.3756803131	3801.334071097
34.1175865333	40.19448603
0	0
0.1977867495	0
0	0
0	0
0	0
2.5795952864	1.9091028807
4.81906298	0.9602074084
0	0
0	0
30.5279129529	31.6550982201
33.2329223561	23.6423475959
0.5486298758	1.5589346551
0	0
0	0
415.16105859	261.8756438466
0.0296368224	0.3188804153
7.3757666207	10.5546545368
753.9770884837	815.5416693852
4.0096324434	6.9724524557
26.1756611207	35.078035123
3.2183994672	4.019520454
0.1197244541	0.238553238
4.2058271727	5.8661331022
3.5423853023	2.1564529445
1.1687763777	0.6210157403
0	0
4.3180499392	7.0622826564
5.3205344538	10.4550411238
1.6778054851	0.7901776161
9.3366975809	9.3450372739
4.2153129543	2.2986985197
2.8201559385	2.3341350536
0	0
0	0
5.2251235948	6.3267803482
0	0
16.114325338	13.2384157292
1.6291471419	1.0387540725
9.3830709002	9.1100246646
5.0008228899	7.1410344673
11.1247829109	9.8617595379
2.5977638451	1.6324602791
0.068014819	0
0.4760543552	0.4805972995
33.617169833	22.4110831778

gene_expression_table

0.4929622741	0.7203068766
0.0168418065	0.1409419952
0	0.007091
111.035870712	206.4321931814
21.0613530634	18.3756464356
73.4973004111	145.0500484107
2.3004548071	2.6738248188
16.1136740135	15.3165226584
0	0.5506018531
0	0.4029835977
0	0
0	0.1061526697
0.9703264047	1.0927877456
1.1646636279	2.8382897911
0.034838123	0.055532495
0.1933211053	2.0800581668
1.0837338079	2.0783840948
1.6785918877	2.0443557085
0.1615748643	0.2092616314
28.6962822053	40.6598291556
0	0
0	0
0.2948386772	0
0	0.0531880576
2.864863275	4.0229883151
4.5003032331	3.0611275414
24.0682415123	19.8422885056
1.2816376798	1.0980855408
93.0863058619	74.4715142112
0.207964789	0.3078205173
0.6817028895	0.9508141256
36.1306030915	19.8694910632
42.1520928548	35.3491499127
48.8353659602	20.8944718101
5.3183917702	5.5575357522
0.037992181	0.0454200832
1.7250840583	2.345426242
0	0
0.1084940496	0.4879411179
10.420007578	3.7749203768
11.1133784383	14.9469412175
227.742289218	192.8568469529
2.698436311	6.5954007074
8.6842387309	15.0851111361
0	0
5.6224718376	3.921008497
16.1045449728	17.7040608486
0.6558910087	0.721892986
0.4038149092	0.522995746

gene_expression_table

98.4369438074	88.9156536671
23.4308732863	26.2786050708
93.6971981555	276.4032726083
0	5.3489608717
1.2915761894	1.3382147857
347.7147817097	328.9236200258
1.6683239069	2.4931251911
1.3719829754	3.1064795608
35.3973183789	18.3913217159
0.197271189	0
33.5328552948	17.0074158694
22.6344672476	5.0468604317
2.2558948318	1.258575667
72.4055890432	57.2911391208
8.0071006624	9.1737221727
0	0
1.0129152309	1.4127769216
23.5206757518	25.2221013678
13.0541009159	15.0031826823
3.8935010012	9.844475031
0.1382378419	0
0	0.1348672055
5.7053425259	5.218099661
27.9371149565	16.9925437897
6.922931406	8.7075077563
4.5416250415	3.1672458115
3.2239206015	3.2434534497
49.0393606138	55.7642167618
0	0.0156497611
12.8150649497	7.660277748
4.0752575555	1.8946731336
0.6051682717	0.8306685746
79.9693257572	65.9856687381
959.0096226463	2420.5721434037
1.5850824229	0.3158306691
47.7863146223	26.4486486685
1.2368716595	1.091417072
2.2827081673	5.7179121048
25.1716141339	16.7697466037
0.4558575725	0.3292605011
139.1547744036	208.9825527799
2.2351057211	3.9869342632
4.2633041688	6.0406856157
3.1272870534	3.432255737
15.076072239	13.8363107773
27.5330091828	7.0270165213
35.0684677739	31.0553710894
0.2087260226	0.1663562183
0.1008180355	0.2410582098

gene_expression_table

56.2886633593	48.7664533367
0.4314763047	0
0	0
0.252142456	0.3265590965
0	0.0454198381
11.530674712	8.8618193995
16645.4669244067	17129.0321729071
31.8605834257	35.6286810522
1.6424640137	1.0607869516
0	0.1233297793
0	0
0	0.5057277028
1.0118352217	2.0245012263
1.1877365067	1.7702074065
0.2391438103	0.2858991376
0	0
216.571242075	158.067089458
8.070606573	7.2363762712
0.7939806512	0.7910107282
34.2975537589	43.2952140915
7.0832483167	8.5680223286
0	0
0.9420568736	2.4133707369
11.5064252	14.9672874028
0.8884845574	0.6085482824
0	0.0864307984
0.0602290086	0.0720044629
16.2030079076	6.724407953
1.1518085756	2.4786003888
9.2567840626	6.8858784321
11.7862436623	11.0824849265
0	0.4555039935
0.8582697985	0.2565178196
0.2104611411	0
0.8556785722	1.3639645842
12.0296002194	12.1689814249
2.224358646	1.6743400677
5.1024255844	10.3434912461
4.5138978478	3.8974116088
53.3463681303	6.4700480737
31.303274158	29.5936968208
0	0
246.9732425416	199.2111024987
46.5259807932	52.0276968623
25.3308151155	62.0510278975
37.4640249232	55.073471662
313.7292204327	244.8679796504
105.5887063343	113.0081392861
10.3021137986	14.0448965445

gene_expression_table

2.1125479236	1.3775863654
62.2429518837	27.8023436029
0	0
212.0348321363	90.3917996058
5.895379966	3.0205686921
19.6583670851	11.533291141
3.7454345528	3.4069528718
2.2588431356	2.1253719446
14.6754399015	10.011356723
5146.6075729619	2657.623160687
2.9261995561	7.2881349131
7.1890905345	9.0316548289
14.6390403731	8.4172143763
0.9912395678	0.3730675645
0.3396951796	0.3867708953
38.0073765469	38.3366815268
3.670211098	0.4875309995
0.341005579	0.7398565123
24.9208121152	23.172421639
11.1832979903	7.6679503522
42.1590975159	39.8884455408
0.9038195817	0.9926788732
4.5778361902	6.4284329596
0	0.0134924299
10.4649642463	11.45992522
1.5428537099	2.5618043184
18.9084113912	8.0638505084
0.1046734307	0.2502765473
7.7977415048	4.505772732
85.3430518034	111.0411115243
17.3506371775	16.7981898728
0	0
356.8618355894	171.1619807042
5.4413295493	2.8283353008
0.2491942176	0.4965241892
0	0.0868214159
0.4040167702	0.3220044208
377.8694493444	394.2112491091
19.2919377645	16.3368090382
0.0537569904	0.1285341835
0	0
20.3738909638	28.8935884373
1.2744560529	0.5078755554
9.2989289946	6.2108921817
0	3.4548397727
19.548275162	17.0693995896
241.9986986783	349.3835280834
11.1610405866	12.6670976457
57.0295596773	39.2094476615

gene_expression_table

0	0.0289766498
35.2431385259	27.5309873364
0.3675961777	0.3580829183
168.3003622917	88.1015941234
232.9932447411	143.4098561229
0	0
4.7042731397	3.1459989907
2.4442581984	11.9320651291
0.6757955287	1.1445550608
3.2241142841	5.1392869261
1.5399339313	1.5659152595
0	0
0	0
4.2124138547	12.0304170691
3212.1829373442	3413.758475544
0.1384608412	0
2.4207655956	4.3946726578
8.4407198378	7.7784608985
0.0471634009	0.5262542201
65.2360178579	47.9496528764
4.9850056328	6.4270527955
0.9673229085	1.4868585109
3.7207874192	2.7430835292
0.2954730317	0.2354942404
0	0.0163427893
0.0182452722	0.0145416199
0.4727459351	0.1883910424
0.733455761	5.5534129803
0	0.0950542529
1.884329931	1.8236448894
4.3348458383	6.5396414375
7.120954103	5.0205941566
159.6385521378	75.6956614856
46.7976161976	84.5781191611
14.714432665	9.740621211
0	0
0.2218403952	1.1669359177
0	0
1.431533917	1.3767383165
4.9380079436	1.023263714
0.8685948113	0.2260495126
79.0414500843	36.0991944068
42.2875943356	18.9582369955
1.4395655206	1.229297791
38.9021692418	5.471527595
0.679006462	0.4058799633
0	0
0.3837226847	0.1529149406
24.7506970363	30.3484502868

gene_expression_table

5.4229912218	4.0274719401
1.057962753	2.2996481285
58.2364905511	43.5329509525
3.3555702473	3.4232510204
0.6012678887	0
0	0
0.7605620793	0.9092605922
0	0
4.8775062247	23.3244560494
0	10.5310356944
57.0896815602	59.2635281622
7.503102839	5.5403216303
0	0
2.5289183866	3.4056133356
149.6530863692	171.3629341839
1.2584862175	2.6329354569
375.6936683914	261.0799651168
0	0
105.3210666145	47.1101301563
1.8547719999	0
11.3596697695	8.3648709734
15.666274562	11.9031288894
2.7970512127	2.315012157
62.4906084384	50.7487731852
21.0725792881	30.6261856422
6.9110776534	13.3573392809
22.1823983018	20.2384198453
268.4075141528	263.1590225127
75.9276959901	71.3940395621
32.9602417914	31.8567448795
2.3261146764	4.0554740311
0.488471167	0.0973288034
2.0536521983	1.4343792573
0	0
0	0.3656418939
2.9214156379	4.1735298784
0.1536432029	0.0612273972
0.4455129534	0.3550771925
18.1651042719	8.2170874217
1.2027679183	1.1627646429
0.5050004292	0.8251027792
1.0718086927	1.0956551807
7.6840891776	5.2056356001
0.3220842323	0.1057014694
0.0973558177	0.0775933228
2.1188035048	3.1240994665
1.4319338953	4.1656068179
0	0.2278136597
0.5563057666	0.5911732032

gene_expression_table

16.4388792001	21.0881882468
72.3836087102	70.8402745418
56.722921987	73.9221665504
19.5758454824	20.3694042458
2.2847240638	3.7210561155
0	3.6015365388
144.9111937279	91.8904347922
258.3681460542	83.9750251479
0.3846664198	0.1532910226
136.2548730286	100.0227826991
2.5280083966	3.2873734749
9.9022501971	5.4691341599
6.9089767558	6.7499114577
0	0
0	0
8.6177887062	5.3375247961
48.6005375421	28.1709061137
15.1156864048	7.5295727247
142.5243900151	101.6727616979
11.9180006284	11.6095669762
1.0899159877	0.8976269929
7.3418806908	3.3437339572
0	6.7287465173
1.9869409224	1.3856560717
6.7002323903	6.2535801727
11.3337221936	3.6132249146
126.9785834423	133.0095140591
27.6176091968	35.9802439473
24.3867389347	25.3584481225
118.9985017514	66.758215166
5.4015667554	3.2288171603
262.146691776	25.3251994577
50.6166233889	97.8289415585
8.1569023801	4.1792868476
3.1689515904	3.9989907668
9.4199082965	4.3795139147
150.5765948579	29.0348430636
0	0
40.0611397067	21.9512089928
4.3653810363	6.4614488604
63.9840134748	8.2251197652
26.8038393484	16.0221469752
0	1.9988828887
0.4399519609	0.4163909843
0	0.6448478768
0	0
0	0
1307.9586141097	1339.6565273842
76.8194945167	47.5676732062

gene_expression_table

264.6357412612	170.437726696
13.5197164594	31.8361616338
1.0923645719	0.92503675
119.8565247683	156.5574120686
4.1803057705	1.3882230449
24.042812174	25.952827983
11.513832759	5.2437781537
0.1384363306	0.5792577117
0.2622295634	0.2089989449
2.113619437	1.9505555162
44.3661212949	15.4405919076
2.4143028395	1.4868954324
14.7552232332	3.920008162
835.8956629726	510.7649589759
0	0
53.7361497625	38.5453059103
71.8531591741	36.686999342
10.1124159227	11.4695331651
9.7572663802	6.9125467405
0	0
0	0
340.717084202	129.6809339155
0	0
389.1060331639	294.1583685792
7356.3109635304	10143.1933105329
5.2618432134	3.3549830621
1.835265054	0
21.4997657052	9.3466231823
87.9057276334	49.7805605117
0	0
34.0644598917	13.9228882598
1.2040885298	1.6451445648
2.0880121369	2.8528482193
14.153224895	18.2990353307
76.3402754498	50.2622503739
14.8760718251	9.6332776537
201.092613778	92.3308009422
11.4863182085	5.4928094785
5.7221475465	1.1401487154
56.4019351517	36.3447917878
50.1515540016	50.6056986222
3.4719777926	2.5510056353
14.7415368707	8.8118372638
46.4091752383	11.5588948689
10.3402176526	1.8313848122
809.1053227494	441.1312232102
14.6311961398	2.5350378163
112.6938228596	34.7023429978
3.8845369764	2.6230045263

gene_expression_table

12.4655141751	15.4311268279
0.8652866342	1.3792799803
87.0375702057	123.4543756839
190.222742763	225.506415484
0	0
0	2.6547712636
0	0
0.8535340143	1.870750924
0.8946310609	1.7825693003
27.0182014673	32.9734947594
155.852697133	68.715111273
4.5413869417	0
0	8.209070751
20.3810081532	10.8292117372
113.9967126696	92.5387649651
0	0.7529572725
0	0
104.3796901611	41.4057664459
638.5627254285	324.7754588397
2.724832165	2.8956157852
0	0.4581702978
7.0832708469	3.225954528
0	0.190269713
6.567325605	5.234208165
0	2.5374841737
10.0009115071	1.7535764601
0	0.88641533
10.3313636436	6.8618124525
6.3316314162	2.7754969629
6.1691965106	3.6876721998
1.9421642741	1.9348995148
7.5468650874	2.8675726756
1.3883045859	0.3688297508
26.5727388203	15.075459897
0.3545058754	0.753450302
1.672822275	0.8287782715
0.3890943638	0.7408210807
8.900716386	4.2563629566
4.8174137455	4.630003601
8.8595019557	18.4092704833
0	1.7550124535
2.9316609827	0
14.3169162565	10.8673242967
19.705538157	9.5765017753
14.016861946	5.8217910341
6.7528701901	4.5847421427
0.2279703138	1.1810114149
24.4545120991	8.8170997616
4.2523142061	1.6192493638

gene_expression_table

239.7984929786	129.6893939265
0.9293125439	1.1850705989
3.972853746	3.1663944757
0	0
0	0
43.482206519	25.757575755
8.601481013	3.7451044348
30.5265531451	15.2258044309
0	0
18.5664756621	14.181053928
0	0
1.3560288001	2.3416579487
44.7599473099	9.9555394748
0	0
0.813262121	0.7021907314
0.127980825	0.4335071623
65.5648254724	96.5593748056
6.8299286582	4.3003687793
69.1955792541	27.7492233558
32.6339048662	16.4414210531
12.9005483636	11.7647915035
1.2260990839	1.1209176291
7.4023000578	4.5052171442
0	0
4.8376487964	6.4260711164
0	0.2015859302
0.1868022422	0.7816346976
69.7990938239	49.073964898
0.8882855191	0.5309777065
0	0.3866775818
31.8833136228	12.705621019
81.2190370222	85.127259132
0	0.3325568313
27.150769118	18.4440814461
27.5572053933	6.0137610067
0.9928709437	1.3628386188
2.1111859266	3.5455442024
71.2323462261	67.256317151
34.0782270181	22.3641574134
0.1413405568	0.1079557637
0.3907718969	0.4671722349
0	0.0146572674
1.5295299859	1.4802713135
0.3596370786	0.1719800826
1.0128111169	1.4991193627
6.9559296481	8.1618947739
0.9547261913	0.6341033279
8.3503794922	5.8908536688
1.6740777742	2.5017237081

gene_expression_table

4.398367144	9.1722411584
32.436072009	40.1626095476
11.8965438588	9.8903265907
0	0.4715212956
0.1758966719	0.3154296995
4.6154294732	3.9084404508
6.9461624748	3.2406696671
0.0914663151	0.0728993448
13.5049768967	28.0097412824
0.5456057542	0.4783371028
0.6780579463	0.0450347759
1.2396362618	2.1406655269
0.7064762984	0.7304652347
1.2384728985	0
119.6815367126	100.2046194964
0	0.2253330741
921.265754991	1757.3492200392
82.2487268698	73.1166484443
1.215835735	2.4456478348
1.1260285549	0.8974532725
5.4850563571	3.2787235432
0	0.0279078401
0.0794608127	0.0316654343
41.2941366972	27.152184829
7.1449392416	10.2502270815
1.9798962653	1.4817732518
15.3854278239	23.1097235845
0.1486826778	0.1580016246
0	0.5179622973
0	0
0	0
35.4616778353	16.047763559
0	0.4228120236
5.3561443493	4.6957763007
1.4649438793	2.5297379222
0.7745566627	0.9259912752
4.9914639565	4.7517801157
0.316069763	5.9198847888
0	0
0	3.3844786898
20.0915727838	8.3789662123
0.1962116162	0.3388279738
46.6961800468	69.9426850958
0	0
1.7476030863	1.576122989
0	0
0	0
4.8638462269	4.3185817714
5.2220775214	3.9390690953

gene_expression_table

7.361663917	6.7473970768
0.9180714138	0.1219516431
2.9705577443	0.7891856612
3.5819074457	1.5646540109
2.0018890387	1.1806853186
0.9790595425	1.647337701
15.4396710044	16.8454404801
1.3931988343	2.7759750134
8.3495361317	16.3038764051
129.5720131864	92.8330252546
2.9482632662	3.0840969022
9.1287178758	8.2284218021
62.5162877432	65.5477356523
7.5207203989	6.0888677684
21.9964874884	31.0170336598
2.248660275	2.0259643606
0.0892668081	0.0355731605
2.048169381	2.2154087991
3.597255241	2.9092019746
0.3207511043	0.8947436941
0.0315854872	0
1.8689897186	1.4895989378
17.0265786593	14.5944864209
11.1541069449	5.9266050501
0.8465529808	2.0803531408
2.5215939389	2.2923476378
0	0.2923610611
0	0
3.7679605629	4.135406836
0.7560684802	0.6886769093
0	0.9992485736
79.0553353075	40.158753849
37.5921669811	19.1358293173
63.5102771418	43.4797110773
0.2571610758	0.2049593219
3.8376453011	7.6465808068
3.344818531	3.184204539
0	0
44.5755293875	98.4784450468
0	0
6.8632291392	5.8267876182
1.5050233042	2.2490905377
13.8880029248	12.254790844
148.9553205486	120.0267098016
9.6854195815	12.5947332568
6.2208728803	0.6467064422
2.7081877667	2.0235432446
7.3960241505	32.0523614968
19.1095831827	15.0491670253

gene_expression_table

12.6650351575	5.0470643926
59.0654706464	66.8473899415
0.9516709986	1.4748396869
1.5650970608	4.2411402516
30.9309119866	21.8613589515
148.2273079046	197.5760976575
39.6893316667	43.6832488498
0	0
169.4839838272	108.3608924666
78.8647576445	71.5358959604
43.531434526	14.981881068
35.4957997468	20.2620581363
123.1138938519	202.8604223857
1.7314247189	0.6899792964
165.6320145285	103.4672722001
0	1.5217929393
54.2171450081	101.2058219156
5.6969753331	21.7155898218
2.4848160573	6.4363558551
3.5346733037	4.0848839573
33.8407691698	59.2860782642
4.1577066916	1.8074856388
27.9591160576	32.6826527959
1.4689014885	3.2194953813
17.0340734922	14.3656042908
0	4.0975395762
400.8276696648	352.6388993845
8.9830778331	39.377695264
0	4.5777147706
16.2296114118	19.4026845192
8.8500978857	9.6185385458
48.9350847216	38.6969322838
809.7641514758	237.0712612197
204.4514591788	213.8710335467
75.5987269842	51.2148434791
28.9696336979	22.539278604
0.2405496251	0.5751596104
85.7575115328	39.0567915048
9.6282373218	9.1659014377
5.9832033003	1.9869409464
5.9671398747	3.5668916998
6.4579909916	6.9485413294
1.2588519911	1.7558004722
214.8574111019	102.3927104432
425.1085880377	263.6551470128
9.1941243335	6.8281647992
48.7890529424	45.2543789162
0	12.1840392699
3.0883025372	9.2302517769

gene_expression_table

12.8858320802	16.4321689634
0.9166764108	5.8447842458
30.5658718094	12.5388688719
24.5277626145	36.1653026931
24.999673747	20.1463171075
17.9090114052	14.2736175061
0.5151314852	0.889554659
7.0298057154	1.120561662
12.0237080765	7.6228299734
5.5726377532	14.9898411873
8.747684908	5.3742276581
4.7587839636	13.2747538063
1.9773608527	3.6618162511
0	0.3625133566
3.2826342954	5.0145450129
60.1045387039	133.1724856539
6.2736134722	3.2000751196
0	7.0755949544
71.6360456207	79.6943644089
6.2664266053	3.3295929247
8.671344742	8.9268727965
2.1289296679	0.4241932607
152.3428892257	205.7367920111
18.8027395871	19.4817033123
18.9668561429	11.8482460828
0	0.2511205873
274.1757279505	54.3573364106
621.5023462232	410.6125048404
2.1232662234	0.3076834972
1.7681485205	1.8118642377
0	0
60.1356214333	11.9821362471
4.8489434945	5.7969669444
13.6731257547	53.80682403
1.1145275506	1.7765737704
1.3104696886	1.8568075569
3.0258991755	3.9348210634
6.5305306893	7.9888891714
38.7335232272	32.7554723101
36.2008077152	29.172898781
1.4503863475	2.5045992526
29.1022389606	24.3903078285
11.5047809332	9.6278672651
2.0268189723	1.5256461549
1.0320405708	1.2795131044
0.9661760905	1.2950835017
0	0.202597937
2.3714399465	2.2220923577
1.3610522716	1.6271534278

gene_expression_table

3.7411794307	2.6678800531
0	1.1801589834
8.8619229782	3.0561142594
2.8189526891	2.5871397307
1.8578814105	2.5718211875
24.0255432858	14.5264783659
0.2092223984	0.0833759168
1.4025989403	5.4030961444
0.3563937252	0.8521454814
1.644723431	4.5411832161
0.542372707	1.1012724022
1.2089044112	0
1.8447574173	2.3524569767
3.1552188354	7.125077597
0.4033530306	0.5357923588
0.8229755817	0.7242425282
164.1513274001	302.0392813527
37.2133677732	67.7128225525
17.1298849583	6.8263239183
1.2630538874	2.4159923968
2.4466656369	2.4194581084
31.3212882417	31.1579011096
1.9768181797	1.6193040098
24.3965334533	50.6307329529
14.3383609532	4.7436076629
3.1158955328	4.910343866
5384.4057691304	3897.1800029229
298.1477294556	426.5581381578
108.5988766545	364.7638160688
972.980039617	1378.1494059517
57.0558081941	58.4664564203
32.9095978611	13.9449462289
27.4558266776	34.488725135
0	0.6397148618
2.8459126213	2.1488342003
4.4446169868	3.9472382996
11.4605584132	8.2207365413
2.0780163809	1.5009265087
20.6763850829	26.3667764037
0.849823893	0.3386580343
0	0
12.7240935887	9.4168274585
15.2441877458	9.9222818682
36.8022444381	42.5009870101
3.3940266172	4.057597316
1.0775017578	1.2881655725
0.5763853478	0.2296917402
0	0.1232728641
0.9965886839	0.9266701694

gene_expression_table

10.45898242	7.1636538124
0.134270181	0
0.1585600208	0
17.5255016988	4.6559857901
21.7308581907	5.4760684307
4.2883923542	0.6572848331
28.5075283123	42.246330606
12.7777077394	19.6005769964
0	0.0644966505
0	0
18.9378906874	9.7904705343
0.4079430524	0.1625668487
50.1239749476	32.7361393781
4.5453028919	4.5155451894
5.7253476901	0.8555897626
44.7208938343	14.4219788295
0	0.2475084575
0.4978713616	1.5872289592
70.2542137024	78.2677826373
6.6268260327	9.0227853619
0.7972634212	0
1.0714870824	1.2525088497
71.7005460733	20.4917035024
14.3331139572	10.0636477965
0	0
42.8305798385	22.1586482728
33.5310897332	25.6765111924
0	0
311.9524506687	197.7188245125
17.8384042073	10.0047969509
2.5273777227	5.237281804
0	0
6.8511083513	2.8862035843
0.1820360408	0.3627102524
29.1438570693	39.6809521869
17.2114202186	9.3083931806
3.3619495974	1.339749625
10.7433565842	16.5899143366
5.0399151323	7.0294883207
0	0
83.3667928011	38.6205542071
2.8727516254	2.2896047673
0	0.9854126119
0	0
146.1563759577	95.778805794
95.0903917032	33.4084824874
0	1.8210548001
16.8710522646	9.604540159
0	0.075257341

gene_expression_table

0.1205942375	0
1.8874340258	0
6.3579417184	1.6241434693
0	0
5.4818014326	8.5820373406
0	0
5.1334547598	2.2648833936
0	0
34.0834938607	17.8269015251
15.3757323479	15.318218678
20.4870749681	28.2035199571
0	3.0174995588
3.2963796585	2.126812939
1.9366594577	1.4764221345
40.2727810902	77.6347076091
1.8231896908	4.7952166987
320.9378406531	288.5071966854
15.2555164501	9.2276318468
53.2828932261	68.8256149377
0	15.0490454189
9.0860919511	3.4667636113
73.2514291299	4.865161908
231.2480352207	220.9314288412
0	4.6425540032
1.3953137231	1.1120755878
0.5313484435	5.0818647258
217.0621891204	88.6626055803
2.3718798894	1.9899012699
8.3151559619	9.1416958242
45.7801579435	33.9330327975
7.6118140593	12.1333467215
3.70492261	1.6240682339
12.9191950693	9.75476478
2.5000544349	2.2269813811
0.3893823363	0.3103406663
3.4704517863	2.8976894728
0	0.0338928129
0	0
0.2912745403	0.2321480111
79.1775417581	39.0143013613
0	5.962675973
17.9630741197	5.234064522
0.3464099297	1.8406088888
63.8903326352	34.9055778031
274.4023261426	119.2913066102
5.7569911242	1.2745459602
66.4722806655	19.4775405551
2.4655213039	1.9650391219
18.2637326598	10.3184132858

gene_expression_table

5.7427456298	7.7405344755
1.5729047756	2.0219629023
35.0526272569	11.8570712483
65.4720137882	43.8411740136
2.9414576735	1.2815856572
3.9410211279	4.0945486714
0.5090584032	0
11.110089159	5.8109789502
149.0451137413	72.5939393867
11.3776939577	11.1840000084
2.6327393491	1.0491565841
12.1920206433	7.3934704875
2.7136412326	1.9747236611
5.17237519	3.6884829643
2.783466831	1.5007121928
19.7244754889	10.4630191316
0	0.1388704184
0.2814846217	0
0.4950798978	0.5178894289
0.0164199746	0.006543
16.9725330832	17.4430163926
0	0.1913732151
0	0
0	0
0.4411141845	0.2460999383
2.9005915642	3.3275814221
6.8254127043	4.6981002344
0.5302875481	2.9585022987
26.6129135313	24.1523223135
0	0
10.0461260319	8.4516627657
0.4218220482	0.7284232843
3.2660053282	0
0	0
21.2083336435	16.3203332332
0	0.2941393571
0	0.128577885
1.4038146064	1.8206754839
89.5130564799	55.1283594775
0	1.3098731302
0	0
5.243934537	5.3033426643
8.0442349402	5.178370674
5.7586266517	1.6255077653
0.1137456807	0
1.576992006	2.0361367758
2.5770053115	2.9305542452
0	2.2835463789
0.3063434813	1.0987113192

gene_expression_table

2.1647917694	4.3735753389
7.1362020743	11.2459502293
0	0
0.3873550623	2.7785242223
65.3101932702	76.3764178078
5.5890743478	2.227267258
71.2144249354	38.9160557836
94.9937805658	78.8894574803
1.1058921161	0.7149168848
1.61279594	2.5708211182
36.1518127206	27.166795632
0	0
1.4238085232	2.8369653972
0	0.0439287971
0.3477220237	0.3502004947
0	0
0.9173888823	0.3249626115
6.7573605296	5.2061451889
3.4384494276	1.3702350966
22.044257296	11.2249198397
0.5921704162	1.0619196735
25.3647901501	21.7710010447
0	0
0	0
0.6471152793	0.386816828
2.1912579964	1.1783271657
3.0695137191	5.8255510642
0	0
29.9866155704	18.4331707742
358.8123108588	252.978879681
4.951277863	3.6173554038
0	0.5546852249
2.6840978881	0.2139246312
0	0.3285711923
5.9039108393	4.5722881394
6.4103340039	6.3255334032
0	0.0837193553
47.3082146464	37.7050047867
0	0
0.6007717648	2.4739014692
0	0.3749108624
1.2392142901	2.2716252665
92.9030179841	83.1797568197
16.8835579987	20.6232782349
7.4805627578	5.7165682836
27.569105154	23.3272720302
0.3174096456	0.4216298127
0.3611527221	0.8912014135
56.0121790964	34.4736450395

gene_expression_table

11.7931376547	20.7297863167
24.6593376111	10.8892002687
1069.4114394136	724.8567896151
2.402232683	44.0357450872
3.5745258924	12.1079276991
5.3362565109	4.8126468922
0	0
4.3318179129	8.2476188961
3.3504627685	1.8089428184
46.4367283804	45.2597349371
1.2176467047	0.4205385733
1.9426288575	1.9353623604
0	0
10.3403922683	4.262778013
0	0.1732870136
0.824130756	0.6568384441
0	0
0.8823721535	0.5274429587
0.4220328286	0.1345453422
3.3143187027	2.5504495817
26.1812471761	12.9517150126
26.9760570225	42.0002371967
18.4100482306	9.8882908038
30.4869934256	21.7555122067
16.5624239273	2.2000628507
3.7264418362	5.2175716439
125.8433981497	204.6900813677
336.7852777385	233.1617993463
12.6970612118	7.5248707689
311.6379017306	115.6759344807
0	0
1.3754087161	0.986590032
0	0
1.476229711	1.3866673566
0	0.2363102064
2.3938116475	1.2141092622
4.1040597493	3.3212892163
0	0
11.5427730322	5.962753861
1745.5933434786	3238.6798812737
5.8982423148	2.4810536319
15.4560610597	2.7816187978
38.4718553503	21.8416808202
10.5172306852	4.4117433581
19.4845196371	19.5554267524
0	0.4975635693
5.5642271313	3.0236802932
18.0006176016	7.8765802636
2.1352808259	2.5882073408

gene_expression_table

0.1307178553	0.1562746786
0	0
45.9881923208	31.6075934558
2.2711331017	6.3353858921
8.992004165	1.1944492185
17.8100512616	8.2561274983
9.2063328741	7.3375169129
2.3050505935	0.1837142752
1.1108773992	1.4387387412
0.2833658701	0.1129223706
0	0
436.717985649	248.3508910765
1.2629914052	0.6937472796
24.9846430819	9.9564747268
78.3137664926	38.8444132662
14.9795349272	9.9896103408
17.2827852918	10.4686280245
2.3011750776	2.2070818562
32.049010907	11.6610735773
2.4892540919	2.2567480542
0	0
56.294849203	47.0756604134
6.4506294553	2.0886126833
0.9870614238	1.8684016184
3.4696000854	1.8854301156
22.1377721289	11.2621096455
12.6259989395	1.0616944145
2.3594507148	0.9402500302
5.3468534937	2.1307413319
30.8208157393	28.6584937228
0	0
4.4632595349	2.4138492983
0.4511404065	0.7191246305
0.698765089	1.8378394964
37.9346406208	22.4942413862
0.0776256657	0.123736485
0.5293901077	0.6328918781
432.3005465275	216.7934948747
3.0674401753	1.8335797603
3.3172311677	1.1954837636
0	2.8455520865
31.8210671206	19.5976240358
17.2283057973	11.4425749913
7.4319745698	3.4767430011
9.9921795666	3.6500945566
1.4684724243	2.0189117544
9.4444414314	5.9186362521
135.3994675654	52.696517489
0.4491793716	0.7259431377

gene_expression_table

0	0
0	0
0.1481922239	0
0	0.7655276823
0.7524580181	0.299857365
3.4251914524	0.6299777277
17.0270227668	21.3253321164
1010.771744016	533.1128312455
12.1464172616	6.6555406505
4.6583680807	4.9398514378
15.0981225933	4.0111059563
7.4829420376	10.0819347223
2.2390796282	1.0545147329
12.9714552123	18.1619625021
13.1763314772	8.2216754102
0.6602668519	0.6679170471
5.7908054705	7.8844977331
4.8247363523	3.7338918947
8.6661841805	3.7125201969
4.4085446177	4.44372547
1.5412207625	1.91078938
29.0219162447	10.2047147169
0	0
0	0
7.0480660592	6.213142754
96.5544166273	70.5841862146
41.5329728865	10.1852595186
0	4.3824466249
30.6010499227	7.316780452
0	0
518.9211940288	253.1420016557
1.0851436143	0.4324338329
0.8618958465	3.2629531569
0.1087457353	0.5633626266
0.9706580447	0.3868109006
0	0
180.7053441784	69.2420796562
52.6248883832	59.1495863485
642.6309466182	609.2352667741
0.885313394	2.4696051421
99.7056967989	141.3456078187
6.5855701843	5.8012491519
1.4357897761	6.0077603671
23.343701225	13.2630461366
3.5841080589	2.6409716973
7.2586212897	6.7493720616
29.4575129301	54.0829287522
85.0375951878	64.2547956428
7.0009862341	4.2845192056

gene_expression_table

13.6254341111	10.6723399784
36.4511493113	18.9468532309
0	3.5661358423
0	0.1687300479
33.3121916035	28.6242927017
0	0.0799116532
0.2242299403	0.4914606343
243.6314359233	133.3034314038
11.6033185058	15.5233154118
0	3.595853641
0	0
9.1373369886	3.6412633352
817.8589535326	647.8651373318
141.3707040907	112.6735201124
1.7391256442	0.6930481443
0	0
0.9912318122	0
0	0
12.8345638912	39.1501083722
55.3171380158	69.5766547548
28.2844504011	36.8607219108
78.5693400561	19.4123110154
687.7646686504	791.6228982771
229.159885464	219.2377416186
14.2763518909	26.3124584376
2.1386330848	0
3.3441122025	1.3326413557
494.5443237285	203.7496868173
105.0091977953	30.3387576868
5.6560970415	0.8196276563
18.3655438115	16.514076938
4.6061789805	0
0	0
114.163385387	89.3447003929
425.4550118792	637.0064040627
0.9793698577	4.2931085006
0	0
1.1917103763	2.8494065424
1.6855371954	6.7169294483
3.1112625102	5.4102539912
37.9376111641	23.0020478937
0	0
188.8463949106	24.5216187393
0	1.6865699579
681.3723701254	296.4567607365
18.7686439526	21.3696444948
0	0
50.8677111068	36.242046552
3.5350283688	0

gene_expression_table

11.8949492686	11.6134465233
0	0.1451742153
278.1068062887	332.4798412089
5.1457193979	4.2476478854
0.8075082013	0.9653852134
0	0
4.1017385162	6.8106596084
65.7825287071	56.3272525446
14.7684923188	7.1464357433
43.244178572	33.0632538108
0	1.480673533
76.5488499578	84.7361280949
5.5152457602	8.3204180856
1.1948799981	0
0.9341971705	0
1.2930812938	7.7294667645
15.8996419026	14.9601591613
9.1907044688	27.8352316317
20.5856726593	89.4178053681
165.4758969176	181.7089676869
473.2570456749	324.2342756342
0.9071847238	1.0845496266
20.5476749022	8.5845354615
344.4958441336	244.0584823334
0.8873224259	3.5360134139
0	0.633415953
1090.3626022714	2182.8437564513
7.0586543475	7.9065309775
0.1791299967	0.3390739093
0	0
0	0.2919589109
5.1896661735	2.4235565514
0.063276752	0.0756480747
0.7784517198	0.844476762
0	0.1259003414
0	0
0	0
1.8576813906	1.724103568
0	0
1.9270785565	0.7130946554
22.1440262377	13.8670371321
1.0091392189	4.2225308365
0.7313978471	1.7487888434
0	0
0	0
1.9317494961	1.539618955
1.773663859	1.6416272983
0.0696397073	0
9.844438621	3.9230460091

gene_expression_table

1.0106752656	1.0471705774
0	0
0	0
3.8450530733	1.634419399
40.4820829207	13.8843247934
0.2925530585	0.1748752498
22.5145839141	14.0644463508
15.7427712365	12.6689242917
1.2443516521	2.2690213489
0.9411790461	0.9793322324
46.2155391446	43.7405343028
4537.1971459943	2890.9337612914
5.9029142988	3.6591857012
0.8414419848	7.5446507739
0	0
1.5607010457	1.554863168
3.5610331643	1.64315126
55.3258735268	29.3967596924
10.2394731258	11.0358132176
16.2358511701	10.8373305234
1.9066074718	3.2924245717
11.7051136446	14.3391170136
1.0621540841	0.6837477524
1.7314513402	0.7115520897
5.4838454807	14.0953988606
0.5457566498	1.000436006
0.3190788595	0.5086165273
5.8381995622	3.7224713566
0	2.4088476416
9.7952563001	5.297534764
0.0984066648	0.039215428
26.6579860701	19.3344209859
9.48992784	15.7088995858
24.4556681768	11.5356983915
5.3553292617	5.8688271332
4.3664449849	2.796500627
9.3644912889	12.5124562007
2.3655304108	2.2781259623
2.3252821372	0.1544389538
2.6580577122	1.7654100793
3.8771069494	2.8693633009
0	0
3.0102514213	2.5082473782
1.0497004448	1.6732383833
1.5017117673	2.8425796295
2.2609192041	0.3003282835
0.458562171	0.1827387588
0.6574416405	1.3099648965
4.833957062	3.8527003296

gene_expression_table

0	5.9391547696
0.6963040643	0
0	0
0	0
1.9176463408	1.7576354286
0.2726890793	0.2897803442
0	0
0	0
295.5750290927	174.9104052379
0.1606281006	0.2560436214
3.2829532889	2.4121215171
36.3624154435	31.1715535498
0.4888686172	0.7792639689
49.0157082137	36.1313631171
0.2599727212	0.2072002246
1181.3382809401	3457.708112648
25.1982868124	17.7879993941
0.2484114454	0.8084420179
36.6953338562	20.4115908626
2.8022195682	2.0472743357
0.4120348219	0.4743481435
1.2393452161	0
67.8648478846	50.0175971457
4.9115432535	6.2632593774
6.1266029616	3.6622116643
70.6263969207	36.5883520445
33.4440444019	8.7318615368
0.7185789697	0.9545214538
0	0.9357797447
53.4369608065	40.2235694947
45.6979211053	53.4183300324
12.8001274034	5.8295990438
6.555128511	8.0979548327
2.2594675705	1.3506095537
18.5578632832	11.5039223904
18.8474296043	20.502377494
2.955272191	5.1264028492
4.7614667824	10.4360438288
326.5744047754	752.6388791066
1.9643431432	0.7827981691
2.7141492958	0.3605329186
15.177346497	9.6771679354
0.9236630621	0.7927946327
42.6141277765	20.1946812236
16.4570083598	13.7264233602
13.3022897037	10.602025477
1.3698703173	0.970486223
0	0
0.3292590514	0.2886641489

gene_expression_table

124.6600932707	99.3550369343
0	0
12.3081507402	15.8126333471
2.2297820574	1.7423070195
9.9535156097	4.8479610684
33.1796887789	29.1990943856
14.8412435125	4.5226936144
1.689651058	1.009998502
0	0.3438477185
1.2258440581	1.2350842997
3.8688008148	2.4904897522
0	0.0673413167
11.4803683225	12.3029603489
4.2854572692	5.9496535406
0	0.9192939495
3.8472218573	3.666186306
2.0418455127	3.2975580547
11.7409392107	13.3166092747
8.3279480282	8.3416444872
0.4789222565	1.622244804
0.6720843428	0.8034844546
6.7779675291	5.1319868027
7.9081364969	63.0284458414
3.0247432595	1.7984909952
163.5920699215	102.8753290748
7.6389937787	4.9286527926
11.210891236	11.6507544729
0	0
2.7764874681	3.5037290512
0	0
2.6650151212	4.5515082914
0.1203303326	0.0479520925
1.9544336971	2.5961640579
66.2540234136	40.5987865195
25.3584632759	20.7883408885
87.1535926514	32.3843445375
0.0182976859	0.021875091
0	0.4663727702
0.0246152607	0.0220708675
1015.3768199584	55.3093419397
38.1946997062	2.7674058608
2.9873690502	0
14.5318131085	3.8606549758
1.0551492955	0.788401844
59.4661320164	91.4045596601
7.1187570795	2.4455617326
2.0613934671	4.9801806087
1.0516348464	1.1175478992
1.5433047872	0

gene_expression_table

9.8611155639	10.9617719576
0	1.132476113
0	0.3663367628
12.2222744926	12.1171586478
0	6.9185146521
2.9223061301	1.4821545978
2.0486803907	1.4287120419
3.6628891399	5.8387006816
2.6232166019	2.3721670103
0	0.6705153813
32.5947988618	15.7354281271
1.5140344505	0.6033484526
97.4562312636	150.2947810213
3.073020586	12.6543066567
2.8651502065	4.5670927579
0	0
36.946149513	4.4169540786
27.4471812677	0
29.9499637542	5.9675868935
0	0
0	0
57.1538057923	66.3378864698
4.5974996492	3.3119110237
86.8153134372	23.4760136383
11.8971186728	8.4215962366
7.8081223455	6.5342891767
2.1252012447	2.1172518268
6.4519005782	4.6227980361
1.2465541371	0.6449119947
1.7390540252	0.8085228711
4.232934615	2.586488686
3.1331393371	2.8660307953
13.1474000291	2.1622460961
0	0
0	0.2092796478
5.7525471861	5.7310295054
0	0
13.1651333268	20.0218053164
6.6821236009	4.7513625123
0.6803373897	0.5121099303
0.1824513035	0.1090613013
176.3915718009	62.4824073254
4.7810531618	9.7380352206
11.9321824666	9.1621113693
75.0008907248	54.0083906364
0	0.176167693
14.0532645274	12.1745196629
10.0619644823	7.8557992891
7.3441537319	5.6282173615

gene_expression_table

0	0
1383.8921103553	2170.6318005869
52.1983928698	46.3030575749
0.2255991244	0.089902104
0	0.4127130058
0	0
0	0.2313399736
1089.383608498	1699.8963268396
1.0321653198	0.8039471198
10.4831564516	7.8777175324
4.6446090385	2.2739558071
0	0
24.1337828275	17.5802003093
0	0
2.9068198935	2.9786881302
81.8400172352	52.9970289524
0	0
0	0
0	2.0870205127
39.5406824844	38.978117823
0	0
0.4721117173	0
116.669506336	59.5439732204
0	0
49.9053701047	24.0701626669
22.6645818844	21.1630319099
38.4378313833	30.999947519
13.6686287204	15.0231780307
0.3774463175	0
5.9707754002	5.2778898473
21.8338777966	8.519614456
1.0163944954	1.099386276
170.0370266349	159.3465336181
0.9838878147	4.9010376738
0	0.1084847931
0	0
23.7731184578	35.3869721511
0	0
0	0
157.7940931643	74.7107437942
1.638419713	1.6322911249
0	0
41.88081937	0.9021440463
2.7117092977	3.2418792217
1360.9298104166	1581.4751110492
10.2582364147	10.7852192189
27.0549316305	24.4555806408
0	1.0240108945
15.0886820521	7.7666584223

gene_expression_table

0	0
6.6579084614	8.7887306088
30.6409683087	15.913377469
0.3919606539	0.1561978025
96.0109332789	51.7795075944
1.7223344598	1.7470900207
24.432278887	18.4295300666
0	0
67.9777035589	33.5230976885
0	0
58.5174222807	28.5429627531
0	0
0	6.0404145871
7.7542138989	20.0855431064
1.2749777541	2.395250575
7.5006877296	12.9908816622
3.5574097034	2.9845078236
0.3312841165	0.044005991
28.9231480425	19.4295156225
25.9953517349	15.5388689193
105.372911925	74.6515622798
12.6010182787	11.8691262758
0	4.571331503
3.9990008422	7.6868582512
78.7462176347	22.8223021389
0	0
6.1759275922	12.3056524731
0	8.0928940147
1.7568372728	0.7001062952
1.8843179195	2.5030260497
55.9406054549	33.6662890763
1.2158657403	0.6460361257
304.9057681832	199.978791837
18.5202546549	18.6680490856
21.8316972307	0
90.8031907963	22.4508048211
0	0.4585948071
1.00431528	0.8004468721
0	0
33.2443954646	24.8902142813
0	0
1.6971886863	4.5089073868
6.4066523391	7.6592255358
1017.4460761113	1643.4900253905
0	0.3626070898
352.8998344624	576.8413541701
6.1549612046	3.5582515059
5.2933231264	4.8992731623
9.4243038715	8.8769217089

gene_expression_table

3.2705583096	26.0665970255
1.3863220424	2.6241592318
5.3004508204	0.7543748897
24.5901294022	37.672708875
0	0
0.2172699105	1.0389945693
0.1967968203	0.7450306308
15.6130194282	24.0292032489
14.0828842755	13.7751119015
12.4680982856	14.4088944833
0.6003532633	0.8373506581
5.1309108784	4.7709372277
4.2004305814	2.343442454
35.3680476494	46.3937398148
163.6399757249	50.4528363279
72.9747142651	29.5879210314
0	0
138.1888815611	68.9696518018
155.3133951321	153.8582433081
11.2315878342	6.8453873874
3.703448521	2.1490276085
1.8429540409	26.4392695046
1.0203800535	0.2710835394
9.1102551343	17.6985466803
2.3911402028	1.5881306849
0.3085594688	1.2296211486
0	0.1733262786
5.6760011953	1.8095263483
16.404827225	8.4133311237
3.5475007471	1.4136924596
0	0
10.3880973431	9.0099267301
0.8199256154	0
0.2729375841	0.3262999775
2.7935441954	2.4491234314
11.2078605508	9.5204305006
3.0316920331	1.208140737
1.2153758388	2.1794934001
33.8306278143	79.1313246378
0	2.5583148434
5.2247153023	5.4791284234
0	0
0.521873094	0.415936802
7.3963321997	2.8755769216
0.9962301502	1.2406296289
0.4899007992	0.9240759844
1.0508523859	1.4238134056
1.0442548206	2.0232989191
2.6203430686	3.3783478866

gene_expression_table

0.1605273519	0
4.3863601361	4.2397839389
0	2.6717508171
41.9013273211	72.4581884716
0	0
6.0403720239	3.637412311
0	0
7.3687546927	6.9300847852
0.1195556562	0
0.4798037686	0.9321176269
13.7499908351	10.5954155246
125.9766307727	82.3149526115
5.0834568181	1.7141187977
0	0
6.3293538509	4.4624802379
11.9147981561	35.6106908336
0	0
52.0209471722	39.9254923835
1.35948373	1.4704898167
59.6614356315	40.3459766341
27.8832587713	61.8208130103
30.8741495968	16.1217821688
11.6297603138	11.497133567
10.8754697124	3.6115964975
0.0237094379	0.0188966013
0.1695961803	0
0	0.9755707269
0	0.3029886399
0	0
13.765023624	14.0000863632
1185.9642160594	720.7321163557
10.8845799068	11.1149622499
24.34056524	22.0623067358
0	0
0	0
0	0
0	0
0	1.5103747119
0	0
37.8482713326	67.948618304
158.1627299377	110.2997802224
8.8777011633	11.0733061037
37.9131792551	34.8658737009
1.307445661	5.1060159815
7.6506404768	6.2362005434
0	0
2.403770998	0
5.87499289	6.5553792586
0.2039006166	0.0812551666

gene_expression_table

3.3851940034	5.3960504346
0.3789297665	0.1510049445
7.7329895427	8.2717317896
0	0
0.4009708587	0
2.7929529691	0.2782505794
8.3600598311	16.1023246717
126.6487689398	82.0137715147
30.6751444746	26.8252422948
46.142505888	21.8249654845
1.8792544214	4.8965884077
43.1252785431	46.8697814779
0	0
8.8339407011	7.0407175352
0	0
5.2595554555	6.6689405162
39.7491811127	44.2070858507
1.2227660671	7.7964304098
1.2418443368	1.5023132634
8.8900847982	5.5451463693
222.7552690425	141.0437868169
949.2145010106	1113.905419159
0.8470318176	2.7003630534
9.7863136284	5.6998289704
0	0
19.502629715	32.8471557561
0.1799527885	0.2868474662
0.3512914592	0.233318291
3.3537109272	2.5774710758
0	0.2244710556
1.9520305864	3.6560903727
0	0
22.3200047005	74.1217188145
0.6690661612	1.1998142763
3.968895865	3.3214020153
23.4249047037	20.8157832038
13.2436716146	34.2433777938
1.9644802127	2.3485583755
12.2631012053	7.9896808871
0.4595448677	0.7652233199
56.8262073563	24.1551557042
0.4488626704	0.5068081683
35.3849823143	17.9620508064
312.0564440628	240.4209673005
17.4952632253	5.3314747652
0	1.3515858196
1.9868007007	4.9484224417
0	0.0932032645
0	0.5062754224

gene_expression_table

0	0
215.2123669538	271.9796999377
4.8761839295	1.6897197662
0	0
26.3521533557	74.7859041933
0	0.1657430378
6.2292772358	9.8624704813
0	0.0488318267
1.3178898594	1.353359005
12.376834207	12.1455799896
27.0749169514	30.2871552887
119.5198419993	135.3951073278
0	0.5558594739
0.9043612258	2.8030439701
6.2448205922	7.1383085027
47.9126549109	51.1818583931
28.7191433259	21.7994041771
0.7932379274	1.2644332522
7.9879689482	7.8743202005
2.3305029219	2.7372629797
0.5678290829	1.5839742541
2.9974676919	5.3006035464
1.090577297	1.9900067532
2.0428332476	3.5276660139
1.4399714196	1.8227669975
1.9166744331	1.3154367914
1.3288467026	2.0672079942
0	0
1014.6036422435	2313.0211796919
1.2178534481	0.8493086059
1.1234224233	1.4326018656
2.9663764261	1.7504354037
0	0
3.4910580056	2.2473227761
1.9380524512	2.7844212728
13.714795112	25.7593938261
0.19839617	0.3101648319
0	0
27.2893386242	39.4055367181
30.0538734229	20.5847506267
1.0447849762	1.8546533988
56.7387296093	41.540401454
3.9561898007	2.0065265724
16.8053801324	8.9621718261
5.8830050663	4.3803258685
32.461849293	14.6382972591
94.493497596	58.9134444509
89.0181765693	103.851654233
5.8538188097	0

gene_expression_table

10.6371407792	0
4.2916106599	9.4839643147
1.3051125155	3.6406459014
2.6721887396	2.3717722025
2.9813582473	3.6533537892
0.2816648584	0.3367335329
0.7300323081	7.5639365044
213.9112664491	88.1178567813
3.6075046039	3.5041602946
0.9385338721	1.168779051
0.9419319983	1.4263811573
3.8513759847	6.6704242942
0.1557718939	0.0620756886
0.2128929668	0
0	0.0552005164
0	0
2.044695108	2.5243403818
15.6884736299	10.2570497769
1.7816495253	1.8231946532
46.6974620636	28.8175440789
2.5696390954	4.2372864599
60.698280129	82.4607753805
246.3196965712	98.6576010496
8.5800656627	13.5682087499
0.1459368309	0.1308518524
0.8711054271	0
8.8429109215	10.2255178269
1.5535242208	2.2441841231
0	0.0422442666
0	0
0	0
0	0.2217078733
2.7096274248	2.4546542921
0	0
10.4613903381	7.0690104535
12.928644205	10.7522370671
6.3115694526	1.5091105733
0	0.9159059936
2.9758957678	1.482382143
0	0
794.8407649811	1476.5008285121
0	0.1736195427
0	0
14.8953826034	19.4641196689
12.1880906668	4.5534376967
8.1990969602	0
2.9790237375	2.1368739998
0	0
0	0

gene_expression_table

4.0630633466	4.9678346396
22.8953034565	19.145159317
81.4100899193	31.0904690918
7.1611749862	7.1343882651
5.5593446251	2.9686626005
2.243502571	0.2980147522
10.6893083736	12.5129562864
8.5222804012	6.9466928723
49.1154325347	40.4502168124
8.6538839993	4.4981810755
38.1382543372	52.1575913585
2.9848352342	6.9881252373
3.811197022	2.2091293413
68.7249311878	41.8862216189
101.7306649095	64.9217955853
139.6220485214	108.3417471236
1.8576684876	2.9611516621
13.7219980157	10.1011063285
167.3992452771	100.0638481865
36.1291764142	35.9940334839
26.5312436602	12.2248010458
37.7476036316	27.6207056607
3.5610221012	4.7302692346
0.4592953199	3.6606184285
38.5680548831	26.6404938523
0.701998951	2.573692971
1.7906277622	1.9266442192
0.3487904	1.1814514911
0	0
0	4.4197381657
4.8128253963	3.2193810164
0.1928708068	0.6148779656
47.4836613836	29.3490573916
2110.2665780528	1714.7354835279
5.3170582661	5.1262931155
9.6563079845	13.7889362737
53.5722968201	81.9330897494
0	0
16.0825722384	15.5164436124
16.3477271963	36.0476253817
0.7367571948	0.9786684253
6.4948969595	7.0991752962
4.9402724489	3.6749388638
4.1450185408	12.1132407693
11.4690472127	13.4620782789
0	0
106.8460616955	93.6728309779
2.4239498841	3.1393478772
0.1437608048	0

gene_expression_table

120.1143935267	121.5061013693
0	0
6.9793230112	4.7217191227
23.0573021531	29.2880953802
7.7373679428	3.3917074154
0	0
9.2159768001	2.7544511981
0	0.2772877746
1.2191653356	1.6194733183
1.0206266651	0.1355745282
0.7536397347	1.0511489924
14.6126147612	24.6983246215
33.3982487918	37.8265123269
829.6510158431	421.0953838682
1.4654062365	1.251364126
0	0
0.6574774659	0.7423538916
4.6560471877	2.1625617712
0.9464807898	0.7962608098
49.4228130736	16.3886881473
28.8262651214	16.4105366193
1.0427539358	0.8310827715
125.2241869557	146.5080696502
28.4102664553	22.4295821168
1.2456513397	2.7301822255
41.2204702194	39.7178379432
2.1308633007	0
2.2929851491	1.7666089518
0.0915638893	0.0912213902
0.9098709163	0.776972143
6.575583432	2.5155790634
8.4559202496	12.3556260245
0	0
12.0531149016	7.1273466267
8.1650133205	16.8790287641
0	0.0107512342
55.5796905677	22.6409105269
0	14.3309203501
112.4499358081	84.6941594103
2.1074004032	1.7879762533
0.3300103849	0.0876735907
23.7713663397	41.2532972046
161.6972771607	106.848222474
0	0
0.2118484629	0.3376896535
3.0098229827	3.8625577826
5.2089727992	5.4947524074
0.5509726483	0.339327238
8.2970175776	2.361709195

gene_expression_table

10.184360037	5.0731324731
0.0855338877	0.1704278881
0	0.0575006323
1.6859577764	1.1757559589
34.4884244229	23.0791567821
782.4202050164	361.1770900528
56.8642863171	34.4064869052
0.3627024727	1.3008447596
6.856346639	6.5896166087
4.3677558492	11.3928036149
6496.2774454417	8366.8411917313
0	0.4652896218
14.6173239506	5.1529366817
5.9624564999	2.9351347414
1.8225916657	6.2946838013
0	0
109.8352291234	110.2997802224
37.0896098079	14.780349732
30.9259969926	24.6482534451
22.4418914771	14.3399243054
154.0726425025	60.0491122816
29.6566376088	23.9559774508
0	0
29.6103080467	20.0083899319
36.1166977921	48.5751620772
718.2535279963	677.8464413587
364.507625571	145.2576668733
155.6967065632	28.406477057
239.0864050306	161.481284504
25.4402336464	14.139882956
96.9392644894	47.1653448421
128.9437441942	110.7886962086
0	0
0	0
2.0410560122	0.745587826
111.5331549928	51.0801725817
7.172730173	3.5729501146
33.1341301635	6.6020380697
364.1137585743	256.2416782775
21.8070998675	31.8641097231
71.6270821515	17.3133693824
88.5313393991	34.2216712546
176.2556716976	58.0170435689
2.0842820381	1.6108494975
107.8511855038	51.322107942
27.0056355925	12.0663142931
6.2147827658	16.0979937833
3.8266910329	2.8592828326
5.7999517777	4.16034488

gene_expression_table

24.7524864158	18.0272361772
21.3187755844	17.2512951149
6.1353500964	6.7732005794
20.7165523113	26.6656668718
0.5068831488	0.8079794046
10.5772723831	13.8849794057
0	0
0.2945810738	0.4989146043
10.2448929872	0
6.0311102339	4.3721793543
12.7669578584	21.6226441405
12.48253914	4.8728219164
4.3242100259	3.5508653023
0	0
0.5281883253	0.368348828
33.0888545776	31.8394470994
59.3309234159	84.3405933249
11.8010425136	7.153494172
0.7756920133	0.4945859199
1.0356751938	1.6508819212
4.5231912019	4.4751942488
3.6812120593	2.2380801775
1.6791951406	1.7565597316
0.7306992673	1.1938643242
81.1857457407	84.8861292353
42.6507336915	61.0485762837
1.0598393145	2.4737641319
0.0293481396	0.040933706
12.2632707842	12.2173994272
1.5063844103	0.353117578
0.0378402114	0
0	0.0159297433
7.0525817318	5.71464365
0.0553312171	0.2425466914
25.5201718519	13.8841038236
1.0847436833	2.3869067946
1.5604934259	2.6947376296
15.6337882294	23.3517586751
5.9607792473	1.5153369558
4.143195211	4.3363502241
0	0.8170014098
45.0738372104	36.5330736359
0	0
6.0191698554	4.0672963396
0.0357761474	0.11405544
32.2011048207	67.8276706391
3.8905271351	3.1007795443
31.3070043084	28.0142001442
0	0

gene_expression_table

95.2916528869	46.0752218494
1.0186430628	1.5657420022
2.3130235328	1.0369672004
0.5654782349	0.1723228111
8.0884838383	4.8977284749
0	1.708348057
1.7795986514	2.2693657301
14.011921705	8.3403651306
0.5262354656	0.9646513839
0.3397271922	0.2643183519
3.1159403204	3.8581827795
23.7640440445	21.1596684311
1.6083470293	1.3276456273
0	0
3.1259461775	2.6990196348
1.7665529761	2.7768022678
178.9018497902	121.837817509
1.6972516513	1.6648891072
1.4599356203	3.3830003217
0	0
0	0
1.7538291076	1.1731662111
0	0
0.4472025531	0.4900827474
1.5078088848	0.8943144798
6.9644186446	9.5286919162
7.4510284588	4.156968215
1.2250463828	1.7086496526
0	0
0	0
2.4578298234	4.4271342354
0.8356192026	0.6422092935
3.4030252267	2.5036032342
3.8493683822	2.3196889492
1.8923501271	0.094263585
0.5112678821	0.5772695212
0.2433068485	0.3601323106
0	0
0	0
5.9394442888	7.1006730125
0.8022827567	0.7869851365
1.0671498753	2.1649765956
4.0768517917	7.5581117907
0.1700074755	0.0135497243
0	0
1.0987809667	0.8925778299
1.9849516279	2.5312343301
0.3590573147	1.0015998816
53.963678575	46.8986131475

gene_expression_table

0	0
0.9490296959	0.1890959609
4.4133992119	2.5094449241
13.7321235583	16.4169094639
4.8869763799	2.9212178452
15.2113845228	10.4104727192
3.7661151247	6.9412514098
0	0.0697522203
10.6089789865	7.9676228278
0.1238656606	0.4865577785
1.9214868089	1.8596051262
0.0144424548	0.1784165576
0.7435285741	1.481494739
1.8571671677	2.1025231184
0	0
5.3901299756	4.8961472339
223.8644254427	219.3273835016
10.5564825165	8.7641629029
2.184385734	2.7915584666
0.3873337451	0.6835675451
0	0
1.0833248964	1.3910625489
0.1879932445	0.3446136859
5.3865342172	7.8706989177
25.0471227126	37.5614829661
47.1373271269	88.2609623737
0.0182454141	0.0218125995
0.043424223	0.0432617926
1.8246194581	0.5453383143
0.8562010791	1.4450796721
19.6244226993	7.3603827192
0	21.6736383838
611.6464446001	1932.0957340502
0	0
10.1943059194	13.4800122665
0.0189049613	0.007534
0.536860525	0.3565682481
13.7050294088	15.6312069237
97.687967061	45.0263412432
22.4229764671	14.2091338839
0	0
5.2736562128	4.1238392761
2.4506411846	0.4185384759
6.2898747516	6.4453856617
5.7810214492	8.6087832715
0.005886	0.002346
5.0006634568	3.4873707634
0.5436194858	1.0290134965
0	0

gene_expression_table

1.1671074508	1.7441127435
2.0598764997	0.7892967046
0	0
0.6635628949	0.2305307426
11.9107584675	6.888187699
0.5579072313	0.4298344058
0	0
2.6450557656	1.0038711645
8.3994575772	6.7613755122
44.9601146822	37.2827023346
1.6252514006	0.4317792185
0.1788591445	0.1960091246
0.2561660659	0.3062494373
0	0
2.0555089785	1.6738704634
0	0
10.7533324369	12.8557308927
10.7406241224	23.0059638426
21.0483412167	16.7756871034
0.0316763947	0.0252463261
0.93583812	1.2562022027
0.5284009154	0.6551059278
0.1120560656	0.1339642974
4.2106192584	2.0847228919
0.2921479078	0.4445205384
2.1139841445	0.5568609539
7.1204830616	5.462263384
12.0365965943	10.6872265728
0	0
1.9935537409	0
46.0925242256	29.6314690862
0.2500885294	0.7972897957
0	0
1.5561315385	0.6201243013
6.455699542	5.9576478774
0.0141010187	0.0337158557
0	0
0	0
0.104568199	0.458379049
1.8746375531	1.4941003046
0	0
0	0.0752724888
24.2257092801	22.2579180338
0.9087464793	1.0139889415
13.7192643824	6.6018761955
0	0
0.3459423131	0.2277675716
22.2400720947	20.0889063741
2.4883928671	1.7353594393

gene_expression_table

0	0
2.4556645234	1.3455634454
0	0
0.3799756508	0.6624700836
20.0864093542	14.5059107789
0	1.4166915042
0.4553771861	0.1270286712
0	2.7486925127
1.8972137696	0.9870611782
5.2756193683	2.5904007891
0	0.349025117
0.6771967712	0.2428789262
59.1689065841	26.3128338962
0	16.1787486361
39.8767222789	32.3331829786
20.7172129237	26.3156419643
6.5177226652	7.433757974
0.3897877498	1.4290534058
0	0
0	0.7572261987
2.5123117909	3.6471037923
0	0
0	0.5205192339
1.5898444731	0.3167795166
0.578897967	0.4613860569
122.8586853393	54.3695567391
93.3285683982	65.6595752004
0.2581230602	0.1028630154
4.7288453643	2.7410367358
63.3031600251	19.1863890748
5.0244442335	14.4162721642
0.7080013562	2.8214121718
1.4298829767	2.5641619747
170.1128263983	116.4270769124
0.5986426369	0.4771227082
18.4642633686	94.3171913741
7.8083389069	84.4035761014
29.4711291605	537.5712220824
59.3868496327	217.2958449251
5.5708734227	1.4430091784
13.8887740784	8.2182339387
15.5620255075	15.8669674225
105.6555964031	42.3461325157
78.6521238436	21.7909649123
54.9910351073	35.5495974157
76.4667473839	61.8214762282
3.0396802632	2.8631296364
167.6919098874	75.4031256436
474.3266894082	208.4322243206

gene_expression_table

346.5056036991	330.0300586803
3.3792007116	3.0719865914
0	0.9287304106
10.882115646	14.6204165355
20.6480778865	0
146.4393546368	119.4487402576
58.47481594	26.2152396294
274.1677475494	212.4439409874
262.7055762701	82.847540922
14.4035638946	8.3706505562
21.6669385841	15.8685478922
48.0056074696	71.5847827136
183.4713541191	153.2102966019
4937.3231016389	4310.9802975669
31.5686406698	10.3968782294
21.0526744588	6.18178869
4.4701438439	7.4223717581
2.0823199652	13.2769980589
2.5837890904	1.029649721
0	0.4927990582
16.8202933108	8.5881552978
52.9256863681	14.8160522276
308.3983362561	282.4968234947
37.5472571625	45.6654561594
7.2230107574	8.9137458415
1.8947735138	1.426251661
37.1860166071	28.1305430351
42.7806612596	19.3432126893
0	0
5.7970012208	1.2230083604
26.7940021593	14.7949827835
9.5343917522	9.7304041893
18.9062679572	14.457555876
13.818356073	3.8546669964
43.6201623033	43.9682577898
8.757316639	7.0350416067
2.1540613141	1.9620607485
136.1301689314	76.6103174943
2.3731742332	2.8371567124
14.2667057072	0
0	0.327544767
2779.7801107681	2392.7742551586
0.9320939587	0.742885933
9.571671493	6.1029556437
210.3040442893	149.0340692964
22.0177160796	21.67107633
0	0.4787690421
3149.2524033002	1454.3683313085
37.3854654486	23.7592995746

gene_expression_table

280.2110191988	676.5594414847
74.7794462625	107.2796113875
0.7349492489	1.9330083583
5.1554654865	2.8762614825
68.0248415468	36.3917717879
17.9377728661	7.931642392
55.5157082627	29.8962427423
5.4262329065	3.4930662222
1.8473074757	1.6195498288
0	0
1.189628962	0.3160477593
1.7963862895	0.9544889705
2.7717406681	2.5246837378
0.1407704605	0.560975607
87.6501930029	47.5803579437
0	0.9477801642
31.4637660897	38.8286856492
282.4121974061	117.8177500163
43.9537423254	25.4451519299
0.1944238749	0.0387393246
6.6110881644	5.7806491252
12.6174472465	49.8239042623
11.8231329247	4.1572616205
5.7421282856	1.2814255053
66.6562227008	25.5466950178
175.2116737359	201.2531297452
0.8785721486	1.750571614
97.3415874754	75.4159868504
16.0869122092	4.3315509018
2.6026038022	1.3163794618
0.3313907047	0.1320604487
8.3750241894	7.70187416
91.9468166693	50.3815868371
0.5903574469	0
0.108270644	0
0.1482890142	0
31.661255188	17.2655461696
2704.426334849	3832.7029802601
4.2066937671	3.2645360369
25.6022657758	24.6760551014
53.2066447983	32.7156421798
0	0
48.8766769599	21.7884351973
0	0.3988102244
0	0
5.7651124769	3.9566662588
0	0
0	0
0.948869765	0.3781281887

gene_expression_table

4.6751604049	4.9117276183
15.9315450695	10.604557178
19.260544693	12.1683168796
82.8991653425	69.3340399578
9.8453336304	11.7702080211
0.7774485234	0
0	0.8857621475
345.6502934333	260.5138378024
0.5428368369	0.2884300424
24.9738399208	8.9045728235
149.9710837647	107.9678894759
4.9220496605	4.9036384959
49.4361394433	10.9447158166
4.4492328733	6.0283228117
110.7085376685	95.00090173
0	0.117216894
9.4121214913	1.9940781257
3.3189894898	6.1114621103
0	0
7.6385534383	7.8051087796
7.5889849624	8.4555259236
0	1.5240531643
195.5854459419	114.0883406501
1.8142135539	5.0607967211
14226.5520792184	20749.6855920044
33.200412317	25.284936116
0	0
0	0
19.605129477	10.5701481761
0.6136752535	0.4891038172
0	0
0	0
224.3308244454	98.204236506
6.5024403938	0
49.3334683334	15.2907795012
4.4151037913	1.9398904814
1.9768658517	2.1723865132
0.8572617559	0.8296535519
8.2959953074	4.273591005
0	0.0517312671
279.527637024	184.4002766096
49.9520332309	106.4974964066
0	0
25.1512421696	29.659498745
1111.5227622687	382.816519664
2.7517315931	7.9501719635
12.2449833169	17.4274005216
0	0
11.5657511519	9.025949639

gene_expression_table

1.4276351891	15.3607865473
28.1322369122	64.0195842292
14.6994600822	5.0209632142
1.8068674455	0.7200435082
28.3026963224	27.2872535991
1.1883902883	8.7611934215
2.7503874491	0.5480198984
14.0434103177	7.8812532604
1.0642837512	0.159045412
0	0
22.4353691421	13.9412424915
2.4342946971	4.8811742525
3.6260904082	0
5.8244484122	6.5909479102
0.3886813277	0.4646729357
0	0.5146831526
0	0
1.2743050192	1.2187568829
0	0.8389966617
443.7152238797	289.6225595592
0	0
8.4924020112	10.1527629253
329.0339334278	223.3159069055
714.7223975472	409.0493932936
499.7771865442	429.9175846727
1.0055348928	1.8031925537
0	0
0.9240175243	0
0	0
1.622555814	1.3740135807
0	0.4149368799
25.6438170597	10.4811877427
0	1.4431519629
102.835332564	81.0075081193
16.8479748228	11.7494679112
13.1663584375	4.7549520261
62.6478699266	40.0399941461
0	0
0.5301377635	0.422523806
30.5028122023	19.8089401216
42.6602474579	44.0334859609
72500.949047714	55741.9850932393
5.4457112876	1.3563353353
0	0.2736623905
37.4003196236	23.2505032785
3.8266167282	1.7427671238
97.0159902588	41.5576835121
64.2379182902	25.8216537645
11.7729157774	3.9096262057

gene_expression_table

34.0371733229	18.9103136513
0.3096590911	2.9616076448
10.3880973431	8.8881709635
0	3.4798583622
0	0.4529904452
0.7012295987	1.1177705848
0	0.2882003535
0	0.8586894091
3.9518481091	3.028512331
0	0.1322940352
0	0
2.2357819194	1.633440504
4.0438043564	3.8272443952
0.5213898424	0.1038879117
0.192028852	0.5356695645
4.1155295676	13.6671174347
860.1597529576	753.1084012688
55.400091761	47.4464980174
0	0
0	0
1.9731543264	3.1452378357
26.339686461	3.3146730431
114.6056379893	17.3983923904
124.710185123	99.3949605193
49.8891404909	34.9506359521
12.8748319797	7.4109666503
174.7173691402	49.5345825752
2.6769856668	4.4449537875
26.0997829996	67.6056043002
0	3.0553004792
2.9603539357	0.5898561178
20.6115598963	10.6296035278
3.2309595374	5.1501983634
177.7275040074	113.4127134487
10.7758065629	10.3620904721
381.6050081799	173.8918827618
0	0.9551029176
85.6382589529	46.6404656158
0	18.5414740731
70.6705331498	26.4293992796
209.637851933	216.0939527199
0	0.574550872
4.5122288975	6.3933876442
54.0424212975	59.3161779091
1.7695880361	0.7051875226
6.2434118789	4.7789753285
61.4041346009	51.5849411732
9.7459093372	11.1447649269
0.136659576	0.4901342192

gene_expression_table

242.2359033866	257.1446127421
164.8851752865	112.6411983912
15.5539713699	8.4950139882
18.8344855154	17.4079779582
38.8631003398	34.7124485141
4.4383973793	5.7272777729
1.6702308569	1.7749154962
7.5267991741	2.7267799338
26.7583373608	24.8279788362
111.3058747849	137.5030169291
1.6345196197	1.62840562
18.4265024746	26.3805184209
90.91715055	29.9841337009
0	7.4657538469
0	0
0	0
7.1672520186	10.8891749132
0	0.189083213
0.9385573386	0
15.7367053823	15.9190390365
47.724595133	32.6030255854
1.6030614924	1.8525955895
0	0
0	0
1.9754618933	1.5744580661
0	0
0.7613024859	1.1831894836
4.3807618344	4.2552659985
0	0
0	0
0	0
1.0346931504	0.4123291323
0	0
3.7500620632	1.4944139099
0.7282446177	0.1934721556
0	0.1186700165
1.0756491777	0.53581283
0	1.1314753849
8.3772632382	4.2731149723
97.5700965223	97.5510565939
0	1.242558795
909.235118773	706.6454348178
57.7633454981	59.7606357942
13.2214930787	14.7526819383
69.8063703838	27.0265304901
167.4949518587	104.5938193501
35.7370090032	11.3930665581
11.3644666444	7.7895066278
151.151661788	155.991932728

gene_expression_table

92.6266311745	98.6158093399
38.2414155567	41.3639464105
2.1216563954	0.2818293649
3.9460681591	4.2389752596
111.5233953768	91.5515390632
12.649607265	2.0163665276
13.3690840394	46.3272220331
0	0
361.431646848	129.6038139787
1911.5916434505	1982.0472231669
50.3373592599	78.0892660418
363.3812962752	274.2317036148
1.3703741204	0.5460992679
4.7019282788	1.4120910459
166.8878938443	198.1591157181
19.4441906921	10.848016904
10.1373848509	5.4248557398
151.5277570972	119.8807625113
1378.8043435126	756.6110056856
0	0.1589266656
1.7852795541	2.756832526
39.5366440121	24.062948683
193.3850695879	137.2917012393
0.764382339	0.685370817
0	0
2.3679843493	1.7693450921
0.8535340143	2.2675768776
0	0.6315333333
1.5749029945	1.5690119937
2.7549928603	1.9517779032
0	0
19.6060551205	15.4937489742
0	9.5585982861
0	0.5088472133
17.5604827401	6.9979187623
51.3148841759	29.4898633977
87.9780185279	39.81063663
11.6684514139	8.7245959232
76.8077255511	46.3698507365
76.4592641655	38.9477213746
1.644705129	1.8206144778
17.6042144626	12.6581243388
54.2194190423	43.9583436197
2.7621889075	2.0547197488
118.4770649509	62.172309452
0	0
3.6577363353	1.5078845776
2.0813725948	2.1054884604
4.4521540623	0.9788690902

gene_expression_table

0	0
0	0
17.5533456512	27.20306791
0	0
0	0
18.5317513011	12.7771754317
12.051324786	9.6049969786
0.9006297643	2.5123305625
9.6482044923	4.534946525
103.2797251795	57.4036876417
0	0
0	0.0639904597
0	0
0	0
0	0
28.5502908093	9.0071074045
12.5018864004	8.1756701474
8.3146897093	11.1971261331
1.7366939009	1.6148511992
353.8093124536	286.8928485559
39.7980154228	27.7544043161
1.8343084395	2.9239153922
1.3260481173	0.9127516885
0	0
12.3581397988	4.3651329964
17.7646544495	14.1585639209
15.6086256592	14.4306235001
8.0553253483	7.1568943343
49.7348969836	27.6272438196
3.2801727708	4.7258906746
0.9294900269	0.1709562876
9.2519409702	5.1176837512
84.3183671748	14.0004950413
0.1577279443	0.1257103642
12.0157771784	4.5706811499
6.1417952796	3.9364418944
17.2505918682	29.0841103312
30.3372477682	31.6187130497
77.4007831305	28.5520077331
0.4763292828	0
88.1396078089	66.7355371834
37.5247796453	25.2344810658
2.4819682561	6.1817108347
186.5473962345	155.6273341954
42.9316886579	15.6827368873
0.6061179368	0.9661611574
57.2140920491	34.3810006186
573.9672943073	616.8414909982
15.7567225612	14.8415410275

gene_expression_table

0	0
3.5731887285	7.3444770157
36.3959121017	29.2978953184
0.4207587196	0
288.4839085538	243.3530374384
0	0
25.5277816884	9.9879553783
0.8614527774	3.6388972
0	0
0	0
12.6924062797	12.2836460143
1737.610531296	2493.125191059
0	0
5.1322515594	6.1356649493
0	0
24.4176136536	18.5960883691
0.5274198043	2.1718474556
3.6542632258	1.144186773
23.1147594196	12.9281670428
811.5440696426	315.0116754641
40.0696924693	3.1935847879
0.9686542089	1.9300618221
0	0.0697009404
233.0543537162	182.8884500828
100.8308383552	74.5754860166
17.4872069774	24.8200918411
18.6505239675	0.9290380391
0	0.8626067476
21.3226199916	9.382263918
100.7004402159	36.5465145215
4.6941094864	3.5294724099
3.4260464785	2.7305849488
0	1.4474965628
1161.476871109	826.7863961916
88.6282803675	59.1204406448
0	0
0.8616848044	0.3433846523
1.6825319545	2.5143575436
1.2120271194	1.0512296121
25.3948173678	12.0512152211
1.0200719566	1.1178819609
0.4994848827	1.1942796849
16.580489683	19.2598325935
63.634061844	25.9845479088
586.033707759	244.4691406351
15.0006536711	33.7226861634
19.7406065718	6.9546244558
4.7332783557	5.4300541022
13.0434423318	8.7621086814

gene_expression_table

3.4162074905	2.9496384678
0.7483510348	0
5.8323010753	3.9332514329
2.1833031172	7.8304909191
209.9426554601	222.1868293743
0	0.7848792052
2.8792806064	1.5298722763
9.2440587909	9.3568326374
6.5179490575	3.0986852497
0	0
149.0382106283	128.6053532278
0	1.2859999266
8.3838492939	18.3754760211
0.1230246719	0.5392837658
10.6720871603	36.1493701888
12.8914602704	5.7300605395
11.0347084924	3.0326710709
8.7095602555	5.8455455828
0	0
3.6353301275	2.7042265596
0	0.2033912864
0	0.0809199342
0	0
4.4628309802	3.343495434
1.6387821277	1.9591826208
1.2798838874	1.2113415989
2.5231839791	2.01099671
0	0
0	0
0.4844159963	1.4799856456
0	0
0	0
0.1934167326	0
1.7526471512	3.1041622931
0.7288680546	0.7551873559
842.9384689772	685.9226342235
0	0
44.1770819862	26.0243896729
40.5863994799	9.2023536208
15.8218869099	8.7939298105
20.5596148459	7.9654985717
6.2835358348	9.6238563708
0.2157632842	0.1146433126
2.0828801804	2.6410224482
2.1753956079	2.200600873
2.7223842529	1.3648495571
140.9438059061	126.5978224004
8.6386394208	15.1327901867
2.4320115695	4.8458290255

gene_expression_table

17.1277620568	13.14536491
0	0.0255424545
1.464698295	0.9630848834
26.6398239297	16.9857128838
0.2445900407	0.0649800373
0.7104598432	1.3023562942
1.449258107	1.0267285952
22.3436237531	12.2677588766
2014.3655781523	1463.6805390496
32.7795677815	39.188345069
3.5987895978	1.9121750141
2.7843898654	1.3869873603
13.3150588579	24.8600671772
0.3483726084	0.4442489649
206.9297563432	172.456878627
6.1424182703	3.8649108997
54.8307320994	46.2553070109
0.2586352656	0.4122685246
4.0085667401	7.0286876044
2.7534001574	1.9750326703
0	0.3644446258
15.325633119	13.365300487
0	1.1492586929
0	0
0.6367720512	0
36.6671773342	39.0270108301
0.3645057477	1.0167984297
199.9057890563	207.4347292174
4.2548173392	3.0828378104
0	0
18.5070772607	4.4250841545
0	0
5.2866110282	1.6385712635
1171.8234003089	602.2681834729
0	0
8.9331955986	12.0147037408
78.7347968834	56.6063916491
3.8075420515	1.5173199026
300.5346438634	250.6815899361
0	0
1.1200256974	0.4463344748
13.0319241232	9.8538988822
43.975266993	64.839947565
7.2409891792	11.5422462549
124.8073220408	149.2085690659
2.2855143634	1.8215722292
0	0
0	1.873434643
3.7021107887	3.7936418033

gene_expression_table

2.2686441085	4.701128922
1.8598365583	1.7293544332
4.3173509637	2.8674678026
594.209165516	528.0078324798
10.8031335107	9.3276940187
8.7150092648	2.0837784844
149.3526043974	156.2336409516
1.2808446737	0
20.5876798427	21.3310974567
2.4578766407	1.4246881945
0.3859531412	3.0760757183
2.1325850365	2.2662485324
5.8792739654	1.2960794782
0	0
291.0550988892	200.3404171387
71.9039538456	43.236835442
231.503339893	147.9306877606
0	0
0.8524743658	0.8492856442
16.3050313575	26.9186975082
0.4718268742	1.5041983455
0	0
0.628638932	1.1273174598
5.9304360315	5.0417091831
1.1908870121	1.3050756859
0.2327999696	0.5566300083
2.3631615919	2.0817163582
4.0784710501	1.9121013327
0	2.8323815602
0	0.0777524974
0.48137894	0.0959156638
0	0.1984691367
0	0
0.4596102447	0.6868365756
0	0.4433711413
0	0
2.4579546735	1.6028251038
0.9070678085	0.6024499184
1.5987283033	0.5096794185
0.4843687685	0.4825569637
0.9965416484	0.2647504097
0	0.0770561235
0.1120578497	0.2232773838
0.2301733757	0
0	0
0	0
0.3034237861	0.5952764352
6.3953233844	2.398645221
0	0.8965050453

gene_expression_table

15.3042216333	15.8116782472
0	0
20.6534637561	21.3382902724
0.3977868416	0.1585195603
285.3238595491	156.6435261552
5.7314670051	1.4275070439
7.0795387918	23.0399876206
1.6322452417	1.6261397495
0	0.0364574899
5.7887892175	6.3669181128
180.9923458087	131.0814088881
8.488297312	6.9005418834
568.6571918009	531.5760784654
0	0
158.4417953532	147.0983301308
96.1243354922	108.7677017243
7.4079663482	12.0767833506
20.80951818	27.7738686046
28.4767010567	24.4879470693
0	0.5201717062
6.7532541568	8.2530050942
562.93760234	324.9793536984
0	0
0	0
0	0.2615068753
0.5009068025	4.3914916005
400.6243534516	251.8120948149
6.9959741385	5.343517442
69.5353478575	48.8705382566
12.8173653131	13.8210207431
0	18.5818469521
6.667526982	1.7713564734
3987.6860547721	3713.105401143
21.9344393181	16.4005584858
32.377697174	12.4577162942
25.7541507452	23.1653425358
10.5441819958	48.3218084784
101.0515647126	92.6196903355
0	0.4138654036
0.7919704605	0.3156032227
191.2245846618	140.2148446986
0	0
75.8769527824	28.9339226983
1.1069463268	1.6542086108
3.2026320652	4.4669134513
3.4325274354	1.1191705857
0.5885063324	0.1172609992
0	6.3817197723
274.4423419585	137.457146842

gene_expression_table

14.6354039964	4.3741978682
8.185089443	7.269129968
0.6427030849	0
2.6867362627	2.9443550355
47.9199420067	16.7092433018
1.991015978	15.8685478922
38.2449495569	69.6720319542
0	0.0256595263
37.7333724389	27.3748538918
2.2868139005	2.2023179638
9.098478122	11.3305560311
1.3878300829	0.221222214
0.2962472212	4.1319473187
5.7116993161	8.2509849217
97.7869715531	63.0826349584
0	1.2105161156
4.1343936935	3.8942599508
59.0367604704	37.702519625
0	0
0	0
1.9642060929	1.174115331
0	0
43.0297715763	37.761701297
7.9612818682	8.0248141006
12.3303807534	4.554164078
18.0752942056	5.2637841722
1.3993918843	3.3459777393
23.0719990312	28.0936297936
79.9065517143	78.8347675187
5.7596084143	2.2952257283
16.6308038659	22.0914607205
4.1482388783	1.5028080692
11.844199683	8.6069828785
0.6442621156	0
134.1335998043	52.4505076375
0.4703449266	0
0	0
1637.2985446529	2968.9198890136
66.1955465058	29.6765724894
10.4463695469	7.632015891
1.3296635304	1.4571588457
99.2037004172	149.8094513915
0	0
5.3763971295	7.4988010387
1.3847124234	0.5518131359
14.0373090787	14.3100297956
10.3762958606	2.8944951909
77.1998420504	29.1809656708
31.4703064697	9.2213500787

gene_expression_table

4.6474081688	3.0866828759
98.8379958496	75.8570511496
4.049621106	0
1.7988349333	0.2389475072
1.0591586287	1.8465943906
14.9341286376	20.4044801936
0.8146112827	1.0820855864
0	0.7731419861
0	0.1322753179
0	0
0.9382758183	0.6543363066
1.4404915027	5.7404130985
2.5320727467	1.6511572841
42.4940083648	24.5816462747
14.6156375958	8.4130032116
1.3087503918	0.7823129687
3.1486317397	0
7.709566841	4.0176120053
60.9145528877	31.9038646482
86.3143784908	57.919446493
0.358782764	0.2859525758
28.1506442263	31.6883490081
1.8247968582	4.0514784902
41.0379941618	40.0757853724
0	0
0	0
2.7960350183	3.7141017523
0	0
1.1236017692	0.895519106
3.2003644426	5.3565007856
0	0
0	0
1.8159689047	5.6084461742
0.601790559	1.1990790646
3.9027004417	15.774586077
4.969506796	6.7898305587
0.9118074209	1.9984728747
0.6188553137	0.1233080911
0	0
3.2344859753	1.1815419822
0	0
13.8473719021	8.1519307636
0.545430989	2.8256320458
7.6748501011	5.312056515
0	0
1.633267928	1.8875039881
40.6378016616	30.8141876561
0	0
0	0

gene_expression_table

17.6741555078	9.3909570534
1.2710306583	0.5065105227
6.7030871259	3.5107273099
6.174476345	5.3604886498
21.4101849997	5.6880264448
4.9009721026	5.1489655858
1.1705906777	0.7774746844
0	0.2143988564
84.6877836886	179.1401661673
25.3256971883	19.2672825119
2.6055016038	3.2187369429
5.8755378295	5.4633227566
7.7785572097	4.717063303
1.3172333961	1.4697829675
122.9188357181	83.4535760914
1.2790720394	1.9604424749
15.6731891045	5.4650969741
6.5789136901	5.2434439564
4.4630573762	3.5570904755
63.6896085048	48.323419635
4.5608416204	2.7508299246
0	0
17.8842793008	21.2259249888
0.9059391791	2.3466312215
1114.4244172973	1056.6175239097
3.0366043154	1.2100983001
11.8085472685	27.9576955178
0	0
0	7.5549248214
0	0.4365734049
0	0.2862882352
7.2075452492	6.5064893359
0	0
12.8618746298	14.9308208546
0	0
1.8233786223	0.9688310328
0	0.0604631767
1.7602804853	1.2116445582
0.058450844	0.069878647
547.369535929	454.8030250535
0	3.0152288109
0	0.5219140007
0	2.6859636036
7.2335472582	3.0791365616
0	0.9728636281
7.0468543042	6.8644842005
2.8016246645	0.8931664167
76.6136590954	47.6862531361
77.8493761082	39.5437464581

gene_expression_table

2.6379483053	2.8227535939
1.3558024122	2.4853449807
90.6322486674	51.5961339209
18.2083859242	4.3536663784
51.7368699526	37.6521066986
27.7437456801	104.8015485894
0.9090399073	0.9056395996
167.776912568	110.3185610466
0.5757723726	0
0	0.2679627247
3.1586172281	2.2656976328
0	1.1687741806
0	0
2.4161488096	3.3699555234
15.5414563047	12.2851282039
1.3389851385	0
0.5181600132	0.2064887243
0.7087618558	2.7302946983
10.3763858467	27.2425439314
220.4500037891	136.1447505121
0	0
0	0
0	0
0	0
24.4990366865	17.6953627205
3.9159355428	5.9299574509
8.5068147759	8.2328519206
0.8039110774	0.6407232073
0.801561174	0.3194251583
69.2419590266	109.2906442261
1.1037954774	2.0233866859
0	0.2318563148
578.1636480282	600.9766520355
1.2652892024	1.5126675924
126.3163191648	41.7180905511
12.8533821763	2.695853364
23.6272697961	11.9834353427
0.491222884	1.5660334115
0	0.1187051735
0	0.1969362337
3126.9606585271	2761.583961174
10.1296989939	4.5413137644
27.1824517265	46.9400090507
8.4078861334	16.4178146168
0	0.2394575122
0	1.6889396868
0.4963148919	0.3955667217
0.6951692906	1.5236517477
0	0.4241932607

gene_expression_table

0	0
17.1535694168	16.3006638617
0.2972858071	1.7770427708
0.4463623467	0.266815624
176.3874193313	156.6268039194
0	0.2897335716
15.1464265349	11.3475074871
0.5778523384	0
4.036846276	4.0217462574
15035.2249614015	15203.9375512038
12.5538414801	10.3390234696
26.2201651813	35.7001860947
0	0
80.9544687826	76.7086848957
1.7074821645	7.484819078
0	0
1.7794681707	2.4819367776
4.4232123324	7.5690987714
1.3189798744	0.8541300082
194.0667150907	343.7758319399
0.6438495616	1.7960353913
0.4816424747	3.2629179004
0.4726030876	0.0941670586
0	0
118.8635823445	118.9228778703
35.516777875	11.6373799919
3.8289959101	0.8719253408
3653.0767567071	7239.3041332494
3449.7473931716	3789.952407376
48.2480158146	61.2489501443
0.4382466676	0
22.9641811851	15.7357943431
0.6772749694	0.5397932717
2.1955209796	1.2726158704
21.7587844669	44.5109170807
0.7748380561	0.7719397369
33.4782375879	35.5765446639
224.3961670988	77.6899526044
538.5386237929	216.4361429601
21.3650001629	4.865161908
0	0.1189669936
0.3502309655	0.4187050916
3.3480360966	1.0673640338
8.5964226916	8.5008283396
33.7194920797	37.7925330265
14.3795598411	9.2566529371
3.7742607691	0.9024343114
1.8642702143	1.4858374571
3.705637846	0.1406391135

gene_expression_table

80.5002518158	42.7320591147
111.5900750764	24.1097350138
6.1155105023	6.2910000047
12.8686666777	4.3956105628
0.0575212406	0
0	0
20.2432013567	16.9831416285
6.6776484651	3.6589687191
0	0.2775896516
10.0447226292	5.6230651587
5.2533991284	3.140249121
0	0.9073975542
0	0.1093113721
0.5840702732	0.2327542121
0	0.8528580499
1.3954843247	1.0658694103
1619.6542241394	883.7903298764
4.3897556022	0
41.2800086934	34.46716854
0	0.6042149591
0	0.5079717178
3.2629770432	1.5603704256
0.9022808131	0
5.0018594526	5.4814647312
17.7377486779	14.4276085808
0	0.1535427733
0	0
2.6599552087	2.3850049659
57.923827097	42.8681761654
28.0855605835	60.4378912038
1103.1524229709	1635.0422311666
28.033597064	14.0544607167
0	0
15.9914603402	13.8074243754
14.9379019786	26.7876468618
2.6628305251	1.6675183353
20.9256718254	9.4891606231
19.9679912357	7.5783999998
4.7194947285	3.5263809228
0	0
0	0
6.8476485963	1.0612053878
0	0.2708871779
3.7948821795	0.3360610879
1.334854245	0.3546296422
0	0.1476114857
4.6598526763	3.7139378177
4.7593202855	0.6322023757
2.0958062926	2.5055601935

gene_expression_table

22.6767282357	21.5197466422
5.3965047998	9.9163215503
10.2787350831	5.7540660161
0	0
0	0
0	0.0962315872
0	0.8297141877
1.889629895	3.5858317011
2.6195303575	1.5658391266
0.8696702684	0.9241783731
3.6814737327	0.5868324804
0	0
3.982031956	4.1938305144
0.7869012474	0.6271662442
0	0
2.3732819565	3.4920436884
0	0.3339139458
0	0
0	0
0	0.143664695
3.1419318255	0.6260358555
3.2128308653	1.4937127876
0	0
0	0
0.9134641768	0
118.0390665099	111.3945887408
0	0
36.8632176398	30.4295583084
115.3561252209	172.9918115642
22.7485584096	29.1387424212
60.4140899762	20.6359227954
4.2963738238	4.82506887
15.4309801072	4.7827919317
0	1.7055432289
41.4536730127	28.9933123667
168.2448163083	95.5408284123
1686.3590859269	1714.6608258562
0	0.4118598884
10.521970142	4.1930448817
0	0
0	0
34.914798589	18.7172113573
0	0.9222303011
1.0561586858	0.8417664586
84.4882850163	81.9764546121
0	0
103.9015324553	59.3152896664
0	3.1850622757
0	0.9351000609

gene_expression_table

0	0
0	0
0	0
1.9360649594	0
0	0.3319838835
39.3992049732	14.0820999582
1.5314793402	0
5.2352789603	0.8748909665
0.5888263601	0.9385981226
0.5731467005	0.7994039446
14.1311843231	6.72126529
2.3322811639	2.3235571535
15.8233846273	13.6623036268
25.7749132747	14.6493743216
5.898626787	4.2311251357
13.9682291882	3.478995088
0	0.3817566136
0	1.687226443
32.1014434765	29.8492753776
141.7782272829	73.8760488784
17.4386558033	5.8683571147
0	0
1.3979743142	2.3398118078
36.1553500799	44.8250248392
0	0
2.3144496818	0.4611584742
8.4189491414	2.7958192184
712.5161591532	1186.8069949963
144.5582008732	95.194528872
12.9364576353	9.3438494381
7.7665734846	5.1583481608
14.7924369109	10.6107156618
0	0
14.9431878604	55.8273455402
13.5139642044	6.3951219199
54.3493550751	58.3111401235
21.3150862575	6.2290378032
33.0347709727	14.6272012513
1.1921140722	0
19.9270710142	41.0285678738
40.3007692234	57.3571746409
1.2626913316	2.5159363473
38.8232219952	21.8496782422
15.0528666319	10.3612600902
0.2348350566	0.0935826579
0	0
7.449845443	3.3811237375
9.1758651426	7.5945121274
2.4883469454	2.1357875869

gene_expression_table

0.3348673272	0.6672294795
0	0
0	0
0.4578015794	0
1.2042297988	1.9195605105
0	0
0	0
4.1487775129	1.9076579124
19.300140119	11.684675492
2.6188805515	4.3484741705
0	7.6037760901
4.4377310733	1.547396034
9.8739695968	4.0861532228
0	0
0	0
28.2741408181	35.8140831786
13.7610376401	6.1165746246
2.5959875635	1.8621195455
5.7230199581	6.5568546342
3.5528730349	0.7079166683
3.2873617385	0.8733507208
4.6926079032	2.6714599866
1.9406915852	2.8357007573
8.9739149334	1.4304556113
2.1761587639	0
1.7838655385	0.7108771613
4.9547634511	1.7276804716
0	0
8.0878668718	1.4324646782
5.7382965989	1.2313177096
2.7581117428	4.2132855018
0	2.1360422217
0	0
0	0
0	0
0	0
0	0
0	0
1.1510174466	1.6512652947
0.8650562077	1.0916392027
1.2466625994	0.8279995985
1.3758209713	0.5482698586
13.6685299177	43.1566897989
3.3152338588	2.9725497597
0	1.0465544179
1510.1959231376	1456.7215362965
0	0
19.4024575664	12.1502113771
0	1.1356859927
1.1297337853	0.9004063692

gene_expression_table

14.0032352723	6.4388563819
4.6307605337	6.5613353957
7.6875862691	12.2541287699
6.7428066572	4.0803108057
161.1122990169	105.0608622613
263.5655839613	276.3996885875
142.2737941278	118.5475301415
5.3074296892	6.3450923903
8.1281157909	8.7314461778
459.1821191741	217.5497969364
161.6770799911	128.8578552485
0.9677219142	0
0	0.2160836548
81.477486889	32.4690865648
60.1858756886	45.407168019
17.9354678241	18.7488502061
7.8273026542	10.9172339505
44.7963859881	25.7394141617
0	0
29.0859538326	18.2778986629
0.1514610059	0.3017889173
16.934330043	11.2156416386
0.9287729589	0
0	0
0	0.0651710352
1.4566650763	1.8865812552
192.5655422895	88.561791276
41.8565947533	19.3136972428
0.409867312	0.8166683671
6.6038858962	2.6316734968
1.1258184189	0
0.4907690391	0.1466799881
0.7518150061	0.5492687242
15.3743888731	14.1527973312
0	3.6120616097
10.1698625958	9.1602771836
3.4937329484	1.6707189463
3.744326371	0.4352040627
0	0
613.0499956861	342.8757025289
2.3072959479	1.9046084709
444.2424681721	138.2765826924
260.586246171	224.5158805712
0.4187497721	0.5840567857
0	0
73.5870104381	111.6230587228
8.9208007725	6.2481340727
1.8556189035	2.5559981003
2.0591695384	0.410293423

gene_expression_table

348.42779615	177.9801905633
2.151627187	2.3043473407
54.7559181741	11.7494679112
1.2818944508	2.2987790328
54.4497354703	25.0216077162
151.8854178438	80.3000444973
1.0006741284	3.3895655988
0.3555542833	0.5490476888
1.094199281	1.526148926
0	0.3288247888
1.0329089349	0.6860301927
39.3555125867	31.9547656329
1.775988262	0
532.8246192533	138.2631047858
92.0245527134	51.1670460723
20.5968605249	6.4490853343
39.8413669582	21.9981634505
20.5776478381	14.965493591
13.473293958	8.4826351536
2.8897806902	0.503819982
0.2479825764	0
44.2226599155	38.3343433235
53.0536921517	25.5761536979
1.7825327615	3.9956965011
28.7178556163	29.0505956295
180.9316576409	104.5478269387
5.5413770158	3.7067216241
5.4959013271	4.6751011102
0.9250943923	0.5161150579
0	0
33.7340088329	13.2227508758
8.3971860993	2.7885920063
18.5672919862	22.1151955371
4.1911499586	1.3822254653
8.6161583228	8.3198082688
0.327296132	0.4919026992
0	0.006806
6.9655386723	54.6484344394
0.6467188718	0
0	0
22.6962980588	17.9939152664
0.763106632	0.4489108198
2.9033254196	2.0825750812
0	0
0	0
0.2820395869	0.2809846042
0	0
2.3921967311	4.011801816
0.4215020651	0.6718806659

gene_expression_table

0.0481738077	0.0191974445
0.0136816178	0.0299869703
0.1868431541	0.2233731099
170.4578765279	136.8062599548
0	0
0	0.2606798141
21.7974717008	22.2543488708
2.5647324878	2.1667578567
23.6355021304	22.2161697791
9.6846502707	11.951596637
0	0
2.6484445841	6.3324910779
2.2869253581	3.5846370452
2.2018204783	2.3398234266
0	0.0334621725
4.0777760615	1.1375064241
2.628416201	4.9753105181
11.2356839819	5.5187329045
2.8788716757	6.644438888
0	0
0.0965556046	0.0109936496
0.1437255765	0.2863759281
37.4741131551	19.7397840632
6.4910462808	4.7854069943
0.0228365303	0.0091
2.4878902376	1.9828673312
1.6338568692	0.8941747782
1.7501097778	2.5804738432
3.7410633933	2.4631069751
8.7279780286	2.0868793452
650.923979602	297.9436296688
230.1332364762	154.9325693106
9.1979109804	6.1090038333
1.3477196941	1.4321903823
79.0346265735	135.3758137876
0	0
0	0
490.0915883971	621.5627447893
115.873201767	99.0819099626
31.0233730378	46.3744895677
5.4297363777	6.5778622427
3.241286148	1.010868092
9.799712787	12.7356886124
18.5914513545	13.3083347099
0.052984842	0.0633439795
17.7893808903	22.5333236825
6.5306331763	7.2159728484
21.1818428161	12.5090176697
4.1836188719	5.0015638121

gene_expression_table

5.7082250464	129.6607079292
0	0
3.5458326806	1.271724956
43.2158937619	33.1461753596
0	0
0	0
0.4739045949	0.2266233273
115.5591149903	73.2088754181
0	0
0	0.9004476646
9.210688686	19.3124467426
2.6810955727	6.2163009283
17.5494210187	12.6987429761
14.4095025796	8.9323752864
5.0307334386	2.0536630337
6.3229667012	6.8343256825
1.338115833	2.0737275161
22.8259925122	16.8348402223
0.5993563384	1.3136517176
26.8880772357	25.0932488782
0	0.1855003862
6.0881670003	4.7884688822
8.0300506671	7.8829405007
0.8799781804	2.1741827171
3.2411888014	0.9687194934
6.9410665505	0
16.7592525449	8.4767169812
4.4021525163	4.4654257985
41.1756318742	65.4955235802
32.8507927254	17.5851471481
3.2401230065	4.8881190858
217.9429695441	207.7431616765
1.6140417632	2.7082178728
10.6078868569	23.3958249755
0.6159805793	0.8497058873
0	1.1752632893
21.766280881	21.1142087646
2.602322518	0
1.3263320822	3.1953150201
6.9327102266	9.516005367
2.285225778	2.6055312377
1.7255471809	2.8563386206
10.4572531535	6.9115447406
4.1248512568	3.4736246774
1.9793817055	4.820390013
1.4379082773	8.9771861946
1.5402191602	2.2319387578
203.6100987077	102.491866254
2.2480853818	2.662015271

gene_expression_table

0.3288897889	0
3.2712921593	2.2026721505
27.510747816	40.0783533453
1.3434322356	5.8889910745
19.8891887953	16.8605869225
9.2192534385	0.8747398453
8.2592311546	8.9597448437
1438.7797889554	1765.3427552052
31.4401925332	31.7933330855
3.1565336647	3.3491337204
80.7600858546	106.2045584832
0	0
0.1257509987	0.1503367453
15.8991324457	6.7402812649
0.69649512	0.6686574883
10.997252316	11.0930680193
481.6616020224	141.8001487075
2.715209783	1.6646482521
6.4137917357	8.856560884
26.1893997161	30.8006231913
1.3057507707	0.9756499101
0.6654603586	0.5303769375
0	0
2.6780936278	2.8365861579
0.0898158759	0.5368794916
14.9587094048	12.6841499042
2.803775624	0.8125928628
23.427337316	18.4050254832
2.370110784	1.180622635
0	0
2.6500453443	2.2232696603
2.987115475	2.0474481134
0	0
0	0
2.5321969715	2.102270972
0	0
1.1281785585	1.5867650147
0.8800368627	3.7407788471
0.1799570829	0.0478090519
19.2078817228	11.8486126552
0.9094980335	0.6161452883
6.2230251832	3.3065320836
5.591394567	3.8113808374
5.3427480299	3.7442886118
1.3150108405	2.2372339947
0.5529270922	0.7517603017
411.8511212172	148.9818149046
0.411400601	3.6887556347
0	0.2105759105

gene_expression_table

1.2416628118	2.6224788215
106.5451891788	30.3276147857
0.1364308755	0.3624547979
0.1855049019	0.1108866071
11.9006478493	13.1734810011
0	0
0	0
0	0
5.6402191598	1.6482756833
8.9690287656	24.6944165704
0.0806610528	0.9000245656
13.9716952501	29.4917996197
0	0.2026857812
250.4231729964	127.5560639687
0.2405578468	0.1917264229
34.0603279821	29.7389668201
5.766814014	4.3985085945
39.3366892816	88.0257550798
0.465461377	0.1854881185
15.8183237704	7.0310074217
9.9423564595	9.433491995
1.5067954361	0
3.0481773418	0
246.1552183587	217.6800288392
0	0
0	0
0	0
14.805187049	15.829061741
3.2123420731	40.3241095199
19.9909476063	23.330371158
3.5888795881	3.9330007316
3.2658537804	4.9455292988
40.4775792629	96.7828102119
0	0.9960105966
77.0580777702	51.3953864873
0	9.1825727754
0	0
12.6568106978	7.3555225834
13.0563470484	4.6248921427
37.7015809735	15.3906670078
2.5619557669	1.8231233197
4.8576447527	2.4197372489
0	0
0.0522256465	0.1248727056
32.5189943936	34.3693684685
1.2014458599	2.7358898139
1.474903915	0
0.4445333827	0.110717646
46.7169451694	24.4678984709

gene_expression_table

0.04784323	0.0476642701
1.7054708876	2.7563039748
0.5902241585	0.3799490562
0.2665071824	0.0424816479
2.3157567539	5.1926844585
0.4285153069	0.9514048321
25.9519108188	13.6048978926
7.9710540867	6.1676948263
37.2033100985	21.842384179
7.1801029094	3.2081221738
0	0
12.4347483563	7.1730482934
3.1859259821	2.2570729757
5.7913613776	5.3081226297
23.7167312497	42.6105267819
10.7163209846	23.2504696595
15.1529484202	14.3313905015
3.8738171213	3.5891740367
0	3.7319750382
113.5200239069	129.0618057279
0	0.6825354899
18.1529561886	14.3550117544
0	0.2118863303
1.5853323458	0.7581131201
0	0.0677128023
14.6671409533	13.3945879868
11.2801845772	10.4099280436
6.9228604743	2.7587860721
2.5608009895	2.7425638539
1.1891899939	2.7780151878
0	0
1.564415796	1.7144204254
0	0
3.1911845403	3.614302717
0	0
19.3696913446	36.2554169953
19.5165369231	33.9901786087
33.1225796366	24.8101209424
15.6328167177	12.9209350968
0.578196503	0.1152067462
0	1.3939633811
15.9430456994	12.4623678199
0	3.9392778651
0	0.2983476056
0	0.0859487586
45.0529369293	35.805521361
176.9762995364	73.4968747085
0	0
1.2260773823	0.6218500556

gene_expression_table

2.3138890205	2.4750931399
4.5420463561	3.9367992526
10.4550520709	19.1454978818
17.9157153849	14.5939377013
11.416130823	29.0610700738
32.8511917525	24.3700033486
4.0825066602	3.4862021544
0	0.5277572377
1394.2966188373	1359.8173679282
17.4106159115	24.5727784369
0	0.0248119341
1.0079256565	1.2976778276
0.5996457017	0.5177490049
41.0489380542	13.9138346957
18.2758722851	8.9014495786
0	0.0360204176
3.8023995042	6.1693159249
0	0.004076
0.7733226553	0.8012472047
18.5173884079	36.462172956
289.6008453027	166.652753413
1.8144006296	2.0245274295
6.5092770718	1.3652481698
2.1945356178	3.9839733734
131.314333516	40.7920990384
0	0.2407152406
2876.2044518726	4675.2518499573
12.0737497283	4.8114349136
10.8802791654	5.3065411245
0	0
0	4.7172899759
4.0908116723	0
47.502192231	31.0238441238
53.6919031992	29.6493337483
4.9651467009	17.4584976343
25.7786194048	30.8186318798
0	0
2.922129653	4.6113396688
138.9082029322	191.7188549493
42.3591738633	50.6408727919
34.9233487171	16.7545507348
143.0475025577	32.7475362934
1.9936949174	0.1986237405
15.313120948	13.8539533432
0	0
298.3162697209	493.6549071736
3.1427736022	3.4441196963
0	0
8.2782337602	3.6461608666

gene_expression_table

6.0570064391	7.3832046004
55.674281824	29.6491139416
0.183077762	0.3647859016
24.0564894412	10.9561165623
33.0433872405	12.2701023728
0.2452263504	0.0977236277
45.4479931344	9.055598544
527.0707907036	470.9170406198
0	0.1897997523
7.9259476151	4.737780135
58.2998952476	46.5720294876
31.8122324508	16.5832722518
2.5127602578	9.012100164
0.5344958598	0.4259972418
13.7053833537	18.0654480404
16.5026418518	13.5839673982
0.469247382	5.7969025294
79.4174375926	48.0887460834
4.1075234796	5.3198068163
0.904890908	0.6490844063
2.3995563207	7.2400442975
0	0
31.7139220566	29.847469791
8.8357218256	5.3989717804
19.2207901592	14.4984482119
0.3668808112	0.7310169516
0	0
0	0
0	0.6654248731
0.4760461403	0.4925064462
2.1221895017	0.4228502699
60.9641705254	28.3116453629
0.3668425666	0.7309407484
0.6172542409	0.7379344459
1.5466962932	1.1300012541
0	0
0	0
0.0689071135	0.0274597453
24.4828675049	24.1589901734
2.150723142	1.3141759983
0	0
0.5625867457	0.6538960899
7.6351732056	2.3050343852
0	0
3.4869457418	4.6739781146
265.1543323507	172.92918691
1.6885475646	2.3925069808
1.9134936699	3.2817938859
0	0

gene_expression_table

3.7799363492	0
1.8459964391	3.6781828005
4.6532118813	5.7690034172
13.9011866447	7.6992099249
169.1497724042	131.4433064152
0	0.0854946455
2.3780855623	3.1391770393
0	0
0	0.0444636309
493.6596872069	407.0073737659
2.3031271723	1.5602683054
12.5695709704	20.6085458185
6.1276697564	5.1279890857
1.3735666734	0.8894787075
0	0.0270445751
2.6323483805	3.9337529312
30.8948871648	29.2403571791
0.5666290818	0.5362840994
3.7082410338	2.290509511
0.3042116823	0
262.5057156602	401.208277236
8.5388411639	8.7499555364
31.6863341224	26.3443593063
13.7163312942	11.6347924539
13.8219956331	24.381520182
17.7718411301	6.3739312918
17.872262722	17.5536169735
56.9559234719	39.7810278079
18.923395274	15.3334572716
2.4124680405	2.9909526419
0.6014142383	1.0676024125
342.7751858786	339.4576298784
18.3266444396	11.7416684806
0	2.3642308288
5.1509378529	5.7474709835
0	0
0.4292395854	0.5986875916
5.2768449123	5.2571066189
1.5339487963	1.8016803211
3.4818912881	4.0559061541
97.3327801783	83.6085699061
0	0.7215141073
2.7642501076	2.6519136188
2.1192763682	2.831691751
9.4014620568	5.1992497101
0	0
0.6886329063	0.16465369
0.499860487	0.4335448749
13.543761672	16.9113527232

gene_expression_table

10.6709783507	14.7215938957
2.5192810675	6.8393618916
3.5758879625	2.231257629
0	0
0	0
0.2884052402	0.1532407715
0.2148826207	0.2283507647
50.8641808986	56.240915107
71.5250714516	49.0112756763
2.868152547	3.4697292446
932.6419593023	904.4308827195
21.5909242766	20.0761515556
0.3523260572	0
0.2021263457	0.4027405646
0.0922939126	0
0.0252533736	0.003355
9.1429092043	10.8707224087
0	0
0	0
1.9055516086	1.3116382623
4.6002914638	4.318283451
3.282205202	1.6646905952
0.0879362488	0.1051287828
0.537778358	0
184.4628174732	51.3850230218
0	4.6152705406
0	0.1280159675
1.8927173368	1.8513532173
24.9947994982	40.4280014531
3.2948944996	1.9580240838
30.7998390541	7.8522160722
17.4703991781	14.697598036
0	0.67196115
8.0542630809	3.2568550866
5.9447117549	6.3962732952
413.9602123742	373.4566930856
0	0.4438974187
0.0684943676	0.1091810577
37.7643880346	23.1113503743
66.6182399443	27.4563409848
2058.7700093721	1855.0148104076
36.2397440043	13.2863409966
10.922251657	4.993988264
2.5395870696	1.3692238893
16.4774884199	5.8628048494
8.9171769638	2.4072291417
0.8865400532	2.1197373775
69.4868070865	39.7926409938
36.2865228223	14.1925328926

gene_expression_table

5.4507194441	1.6592677336
4.1757588147	1.6640556748
0.0988105352	0.1050036582
0	0
45.2892226357	18.047926444
875.7725555687	336.6705259803
64.8285740376	41.7502871853
750.3085153799	573.5639963426
18.3066372718	4.7381612613
0.7805091746	0.1555179285
1.8986479069	2.5835749187
3.5213215671	12.5124012872
0.1296368062	0.1549822722
24.1469020124	6.1066701449
1.7501627575	1.8800731083
0.302057486	0.4814842007
0.879340515	1.0512615592
10.6325746159	7.1544833085
10.8704022893	6.4155934169
0.5003548489	2.2930229381
6.5962900489	6.0936805758
1.3883616393	1.4523268258
2.6403070968	2.8809481292
20.185145383	7.620495867
62.238404356	59.1579340688
0	0
58.6214803309	13.1404958665
8.3309230407	0.553317388
13.6871593215	15.4540900861
8.9888141535	14.0677910467
0	0.0283013803
0.2478777728	0.6914616074
0	0
26.6665458072	28.3634019303
2.4150591845	3.6571588192
16.8462079597	15.2259903466
0.2673753998	0.3078114222
37.5745045574	17.7543902315
0.3344377041	1.1994722052
10.773211205	11.5506592774
0	0
0	1.3641857198
10.7985293795	8.6065095668
0	0.2358928377
6.7790844351	3.9383178795
3.4100007181	1.1647698671
141.235615028	166.2904648187
4.2012239345	2.8236568539
1.4634547024	0.4443369385

gene_expression_table

65.7149671551	33.573926741
51.7306438057	41.9932274933
12.98258036	5.2694149
3.9162829102	2.8498890838
18.677332549	24.8099587788
0	0.9498021808
0	6.8297869479
0.2617322332	0.2086025689
3.3853466523	2.6559883347
20.1992925101	12.2352315369
1.6940483447	1.0970125888
23.6801579831	13.2112854764
1.1191352333	0.4459796216
0.5612073344	1.5095919003
3.1136756857	1.8612172988
34.9324485331	17.0142045438
52.3862106821	38.5593902689
8.2715771734	10.4092256075
0	0
12.3069068665	8.5565236383
33.5839743528	35.8482341506
0.5187000871	0.6201118373
4.9050397116	8.0141751647
0	0.6337976439
3.6007155269	2.7673047333
0.9666586296	1.7509869024
8.0571708714	7.0340933374
2.185042837	3.1346921933
6.7816994791	5.6367114392
0	0.1728030214
3.7774568156	3.1779206249
141.1251491744	34.7006012621
0	0
5.1952326866	3.6230597674
7.8519516272	4.2818338229
2.5445558504	9.1261361386
0	0
19.8159316682	9.2880511941
157.2440009435	150.389589273
1.3516883968	0.5386529364
618.8976388868	191.8257047346
9.7136613517	11.059802208
5.4487361675	3.3872934617
2.3890216264	0.9520341502
3.9092654311	3.4792140872
24.1900110716	14.4178040786
1.5845947052	1.0524449681
1.9892474008	2.604660004
0	0

gene_expression_table

5.2480673853	5.1122492526
36.4898155529	23.9504249827
0.2580378898	0.0514145373
1.1737249199	0
1.0224577778	0.4278259545
0	9.4449280709
0.371339309	0.0986534124
64.3225532286	23.9464134964
0	0
4.1377081024	4.9466769664
0	0
414.5948699209	426.156567546
0	0
5.9159800641	4.5972038227
7.2679073546	38.2310089707
4.3076622469	1.9073552125
9420.4155223686	10986.715893735
0	1.769847509
358.3981662147	340.9858281309
4.2455513997	1.6583659415
0	0
0.5522571684	2.0907274102
2.0598702985	0.9354055577
35.6338169267	4.7832288893
3.1255275249	2.046235308
85.2955198001	61.6531393941
94.7420546404	70.8633564531
1.3996856404	2.8508756549
0.9406898533	1.4994738519
0	0.0930070081
0	0
0	0.0458368096
0	10.0170208569
0.6517735153	0.415574736
1.1987345513	1.3648578592
0	0
0	0
2.2416209575	6.7890376405
5.420622741	24.3886622439
45.813362819	21.125723734
1.0264814996	1.4998747807
16.411622377	11.9335473476
0	0
0	0
0	0
14.9842806328	11.3620426409
0.0300842976	0.0759284735
6.2418814416	7.9804511742
3.6356900535	2.3543588764

gene_expression_table

19.470718558	14.5062462253
230.5893184765	217.8323045489
0.767313892	0.9173324607
0.3694382234	0.4122230805
1.1799011537	1.4628291085
13.4993842862	4.7071112154
15.3678120749	13.5420929628
22.807004155	5.4532064289
29.0062822153	21.6906067026
0	0
1.8325572337	2.2516997066
3.1835242287	20.8269457395
3.2582737147	1.7705923552
8.9895795499	6.6871120162
0	0
681.8657593621	358.3099874342
2.8324613084	2.031743772
1.000670741	1.3292369116
0.0552638762	0
7.0102006795	0.6983978685
18.7270283341	17.413180381
1.4085739307	1.1226440735
59.4979548378	43.2626141177
0	0.2547355561
0	0.3298948294
1.2407434831	0.4944409689
143.5538763858	165.0823716982
0	0
0	0
8.1061717029	3.4149309315
1.056898811	0.280785448
0.6055443072	0
2.6660005615	3.7184395605
0.0657647434	0.0131037494
1.2534713236	2.4975653072
2.4343668657	4.9151956243
0.3016949497	0.3606797342
5.0471434078	18.1017515665
3.4539462766	1.7354742971
4.1513139668	3.1018393323
4.5026220413	28.7089905021
7.9120016662	3.4271332355
17.2735036666	13.2002319083
2.7823535271	2.7165070793
0.7474279446	0.504058689
23.966770087	18.8742958258
1.3293206344	1.4262211884
0.4137870276	0.4397218531
0	0.2368489985

gene_expression_table

67.102447203	21.6063877533
0	0
0.9768551676	0.1946402387
0.2060450538	0.2463291988
38.1630865787	25.4225528324
30.6010499227	27.7573099688
0.0127881997	0.0356730216
0	0
0	0.008633
4.9315544719	6.1140896495
3.1781878614	3.0511615254
8.5649424791	0.6399678673
16.4172193116	8.3312406726
4.1671056733	0.4151518413
0	0
16.1130298205	7.2586385148
0	0
2.0860732895	1.2856276316
1.0240421188	1.2242539677
0	0
15.2244457154	10.5581544105
36.1537421035	34.0538614322
32.1590668248	13.2379990437
151.2488648866	118.410222066
7.8499235804	7.0385045058
215.3214217405	85.4770094498
2.6187831084	1.4610329573
92.836858157	29.7771386761
85.7226150473	73.0049059606
6.0331231632	1.6829556729
0	0.2916314884
98.7032131811	74.8369686796
8.5400005851	3.0629002681
0	0.7540833365
81.8117608131	35.3460535704
0	0
14.9692944552	15.7654897194
42.572609931	13.7093705136
44.6164277796	21.1990103714
597.0011836249	497.8676556484
96.5762622877	34.1661478682
2.2113641878	1.7977234581
0	0.9968365738
69.4762034727	191.3981839273
21.9826605261	32.322018834
0	0
6.9835371082	4.9474950046
55.7655165055	73.3982312584
4.6519731093	1.2358859144

gene_expression_table

3.3136730142	3.4333291826
8.2143255489	4.1950878823
0.3629081923	0
0	0
0.0873176786	0.5219463755
1.9309304478	2.1160784801
1.85249381	0.6890107345
7.9647180386	7.9861186944
1.1095973848	1.456588833
0	0
0.4574445263	2.5521072247
198.8273256343	117.4418390824
1.1512998679	2.0187083401
0	0
1.6369906925	4.5664288591
620.7268448054	433.8809176296
11.526472571	9.1866857947
34.4581877802	24.3842024539
51.2028268913	40.5457560641
11.6936723457	11.2914721654
166.0300294885	67.5900069401
413.5966987632	130.3645288642
0	0
21.0177715007	17.5618706865
61.4827821116	55.7400505426
0.9907713452	1.500339282
3.1953275494	4.8811754176
1.9661723109	4.1788111965
0	0.8172394639
6.4305541181	8.8409704411
0	0
1002.2024280415	1779.852143418
8.0967424459	7.3975305543
5.8378949523	4.4277086894
0.6252185465	0.1868639659
63.6114977324	23.1721713419
831.9210885644	753.4629523013
250.6309749186	125.9647693197
0.0591523426	0
0.0933200056	0.0557825626
1.655575614	1.9404504158
2.0057112884	0.1598567063
0.9916695331	1.3108544367
18.2369062337	11.7239472642
3.3633447727	2.5395264144
1.0567976824	1.1519359435
3.2525528248	3.2685637677
36.194688906	41.8892477789
2.6019720554	1.8886314559

gene_expression_table

44.4985501438	34.4301865995
0.7241982592	0.8657872328
3.2384546697	0
5.8161944119	1.8885577841
34.0656916632	14.2589554688
9.8411765972	6.600011696
0	0.4382994499
0	0
16.2314461369	13.6975609086
67.3440996297	47.4326221263
2.1162339711	2.1551696089
88.68902761	59.7996119639
0	0
9.2166157139	26.3581445442
3.6641604246	4.8672726073
96.3355815434	42.7719269534
180.6311974606	102.299430394
1.5303851886	1.8295928506
1.4082961127	0.7856958553
2.8996082798	2.3110097239
5.2149169005	7.8970235828
58.6964793817	45.7183211211
0	0
19.210361446	12.8552971343
8.0739030456	4.2899745179
0.2365715936	0.6599227212
19.087517779	17.4500865849
58.1672849771	65.2696704815
269.2367053288	221.3875630333
0	0
0	0
1.192777881	1.1090951552
4.143798341	3.108365751
23.2790648729	10.9856787185
2.7438200798	6.0138247141
34.4680541188	28.9974830773
23.6392141038	17.1520851429
0	0
2.5435108926	1.8429067398
4.3891038197	2.0566040423
0.2820203747	0.505737835
1.8555869977	1.7747002415
8.1752268825	3.7590678698
181.8217383507	99.9566988742
38.7772446364	8.8888239686
0.1488734714	0.0593266412
6.6701841419	3.2714998133
0.9107080372	1.253725695
5.8894338014	3.9604977605

gene_expression_table

27.8692067331	15.6493414396
0.9162388564	0.4868328644
0	0
0	0.3816804195
12.8142767087	6.3831721437
42.2050830722	23.5233204924
0.4297375432	1.3700162852
0.5055554226	2.1355369208
0.3757335833	0.1497312535
4.2186451164	2.7803568928
0	0
1.0569857305	1.4140715754
5.2784171908	5.0483260956
2.7564914421	0
1.6214032979	2.4768521528
6.513271777	4.1529014843
2.5663597018	2.4289221039
0	0.0158758234
1.1209595855	2.0758719995
3.0063431655	1.6147483757
0.2385365187	0.3734409821
0	0
0.817487628	0.3909262925
0	0.8724797672
2.9139835008	0
2.7763313854	2.9824117529
90.8313063019	31.4753208388
1048.4579960951	826.2222457513
48.2670767461	45.9728377247
0	0.2347084385
0.7358328784	0.586464368
68.2726363603	41.9354530806
10.1525300862	8.0916432454
1.8058017951	0.9252242261
6.7860274616	5.8592247982
47.6737964477	44.9623785586
10.5347125913	4.6179350755
3.1182329212	4.0385397263
2.0746678372	1.8739960807
11.936363248	7.3681996992
1.4921012258	2.9730398982
33.0771463202	13.754470813
11.4719299741	3.725013491
129.8839827849	37.1104115313
4.8718791986	5.8243868388
0	7.7515407829
0	1.4276039226
6.4590775303	7.4359041336
17.4127696245	7.63295998

gene_expression_table

0.5294299295	0.421959657
9.0899797741	9.3147205017
22.1382950286	18.3363253382
5.2084966197	4.0474309094
8.0036861205	4.5849050688
0.663697026	1.1108402512
0	0.2512555621
1.1251585019	0.7472998614
0.1526236904	0.9123167646
347.509504377	449.1368150699
0	0
1.9451867647	3.377501505
4.9792009632	6.47682756
14.8132827682	21.046010146
0	0.1766707439
0.2250484897	0.2291890557
10.6390897766	4.8178607942
8.2758285161	12.2415393297
10.5271658791	6.4030708776
0.2089801206	0.0832793682
0	0
0	0
6.6974445902	6.4157619953
0	0
0	24.2917760954
5.8137401814	4.2097904741
0.2036213976	0.1893357591
3.7397669937	0
0	0
0	41.7127578813
0.0692351878	0.0275904841
0	0.0486530256
2.7994222222	1.4108810173
0.3471132337	0.8991185836
5.2234891212	2.4084398581
0	0
4.3741595862	2.8761465684
0	0.0347485733
0.042274577	0.0631746704
48.3092585425	25.4308910155
20.800713673	9.40501191
0	0
19.0552578687	20.3064603141
0	0
10054.6306888991	22287.3755145557
0	0
0.1658710757	0
2.2881149162	4.7870678348
2.3795069005	8.9405721051

gene_expression_table

14.4574041343	15.7810349126
2.4375565756	4.9378255141
0.0419184975	0.0334093595
6.6279133897	10.4449374229
0.0248671237	0.4062953548
3.3296884649	3.0482687175
2.74243444	2.1282214855
4.8075419961	5.7474709835
0	0
1.8761743082	1.4437621752
0	0
2.3985541256	2.9681126497
0.8741528265	0.4064120739
1.8542332408	3.1261955861
2.1508127654	4.2076162728
43.8549744861	28.7111844343
0.6757738999	0.9201030512
0	0
5.5520802393	5.6614609423
7.0275789487	4.925046751
100.5385011047	108.7633364685
0.0568553823	0.1812566783
0	0.0311143683
1.6050721738	8.4750621161
0	0
0.1823740851	0.4360605744
0.123464383	0.2214046053
0	0
5.2749542418	7.8599857351
0.2106469579	0.3357744365
67.5576364559	91.6291731039
0.7246580677	0.3248763521
7.2240773904	7.5658301183
0.5401497665	1.0762586204
0	0.0762966298
147.0107562499	69.75097092
3.3514295688	3.0288532845
4.7549467365	4.5843489952
12.8388206535	1.023263714
43.8390421265	92.7771986123
0.1286304739	0.1025194603
13.0337805226	10.7680712012
4.3326612022	5.7774085632
213.4887338054	450.9946376683
266.0818170591	588.3416821627
0	0.1775786407
0.8095329625	2.7743767366
161.9240905898	151.3865985771
5.2319597114	4.6286017102

gene_expression_table

7.4312732684	5.7253549525
0	0.0244368669
12.5138119864	21.9456268838
2.2972636417	0.4577341232
0.005142	0.006147
2.5804059276	16.7466247187
1.3515153586	2.6929199001
1.476879881	1.2223569105
0.0697360567	0.0492642367
0	0.006024
1.3662066934	2.0567677895
1.0522113144	0.2515861121
2.3991278771	6.0550563526
0	0
0	0.8227417606
0.7230822385	1.296679526
71.7483938592	109.9692546537
3.9056395716	4.9138154554
1.4814231703	0
97.8675784512	58.4462773377
5.0859245705	8.7826274013
3.9020049798	4.1465699643
4.2578593359	0
2.1883920989	1.5215056819
76.2683411502	39.3129723148
0.2411583701	0.377545623
2.6225399095	0.5225460345
0	0.4689459689
0	0.0305137823
0.0356503844	0
4.731713258	2.610838554
0.5291071036	0.3279907263
5.6406437874	4.3934622097
0.5897761795	1.645196261
0.8510570112	2.0348966191
0.1760418575	0.0175383364
4.9557446571	4.690347082
0.4724698411	0.6213273592
0.4687161349	0.1867851518
688.5491667089	569.3815127494
15.7269691938	12.4671235077
34.1367296191	41.3872718377
19.1682734104	14.8143116082
9.5888848532	14.7389407704
0	0
3.0694467868	1.9427074133
35.119667348	20.2154625315
0	0
300.2315851118	258.6042709566

gene_expression_table

16.1718990237	0.9206518431
59.254668097	51.130964931
56.1992485386	65.2889057342
1.0308026911	0.4423771364
2.897886354	4.8117444501
29.2579643983	21.9630735726
40.9441583571	18.4446282367
301.1608875122	257.4032329697
10.1322675441	6.7295782052
180.7855950962	128.0320235171
40.2028593039	36.0472307094
107.293062335	77.1082204857
15.6835210924	13.124879144
7.7520239997	10.5746064456
0	0
52.4459126843	70.4625014079
67.9315510208	28.6633904915
40.8873807488	87.8585950545
160.7390162188	247.7425410259
24.3879335248	18.1261164477
1.2662123742	2.0183616731
59.9156657972	28.7895039798
16.6534918793	10.6183671604
19.4830214041	34.9382595979
2.6371319578	1.8916326996
15.762432774	12.0602669817
0	0
694.3941048241	496.2146629129
1.2135945309	2.9017320527
0	0.6790652506
0	0
14.487748071	21.0450557711
1.7518958263	0.1745342775
4.225969794	1.5067949462
0	0
0	0
0	0
15.6463315648	27.0188632229
1.4345785233	0.412883586
2.1251370761	1.8348961784
109.3743820082	270.2338493805
120.311820209	0
22.8217946895	18.6852104654
0	0
21.499451473	12.1750285657
3.1503827591	4.7364306148
0.3682359749	0.9685066259
41.4355097554	18.1287870264
0.8440150476	0

gene_expression_table

627.3264290028	194.2383524935
5.1432497865	3.736447114
6.1444169154	4.8721612991
0.7959179811	1.2687052983
0	0.0169091163
112.5426067269	73.597791618
2.6369291535	2.4334923384
19.3624249855	8.6237642138
44.3182604916	98.9682136703
0	0
37.2837583485	26.743893587
0	0.165060665
0	0.741021358
12.4474260767	7.9055519972
12.5570766855	67.5545742002
9.5111371381	26.5315687562
5.2602701661	9.9571283555
1.1583403563	2.2420717692
78.248442459	78.7763372248
66.9954239451	59.3287327328
0.0383204558	0.0152708465
9.9797823215	13.9194334488
2.7049352353	2.1558538355
333.7687473333	360.8271228913
0.5591119879	0.5198858957
4.776778202	2.1755019119
0	0
0.059510828	0
32.6181719986	23.2205585849
43.0865971559	49.117651212
0	0.3050648075
3.5172195414	3.4093588006
1.8906934675	1.4351399902
4.8104627385	2.9819806925
8.8253811689	12.3093171659
0.0166229139	0
17.1267586865	37.0260486231
0	0
2.0844784488	0.2076681356
0	0.6822587789
38.2513124034	22.1027742821
8.6031554605	4.4354795324
0.0177066688	0.007056
58.0729374768	32.4387586566
10.4820818176	14.0504110585
6.7914842222	11.7278726019
359.569574305	506.821452629
5.0064900288	5.8679564834
0.4552696712	1.4514134816

gene_expression_table

42.7569344425	46.4531495424
209.4598204924	143.8501476568
8.5895063244	2.7383605955
14.0361378847	17.8203509763
9.3654814756	19.8394819662
0.5937774029	0.3943708999
21.6145611738	0
0	0
0.987970185	0.138956419
0	2.9265085976
29.2475452953	32.8901783474
7.3556461674	5.4534935944
4.0977186087	5.633699434
4198.3283057785	5358.9032117797
3.8044548553	1.5160896432
1.271337772	1.4738411889
0	0
36.2463543523	39.2566196042
2.1830562226	4.6760143499
4.564506944	6.6392524503
0	0
200.0837879564	58.3674793893
0	1.51568
3.751834531	3.7078982077
8.3395101733	5.5118583084
659.723699145	540.48941452
0.1007333832	0.6021395105
318.7761338793	1138.2869707986
602.5944867613	435.8347906983
50.2984544779	38.1120672765
3.3799181848	2.743705912
0.6365416914	2.5366427059
0	0
0.501838978	1.5998778401
0.7976067499	0.6356986106
6.6931098194	9.0163956031
1.5733891047	1.5048036161
6.4668105834	7.1454525658
1.0195643451	0.6922152342
0	0.0041
0.1417787982	0.046528907
0.391894538	0.4623899943
0	1.7979268205
0	0
0	0
6.6517734451	3.8435974557
2.7225484426	2.8027767726
0	0.477555976
0	1.7994923129

gene_expression_table

6.6839900116	1.6724900656
4.5413977947	2.7481604378
0	0.4391071945
0	0
101.9419405996	43.163264284
2.3829596312	3.8663035762
1578.7584407432	2577.8275212681
4.5406056614	3.8601568482
27.5388495832	35.3922325494
228.4382638207	105.5055059632
0.1411940596	1.1815936976
0	0
15.5089455738	8.9896341024
0.0594516369	0.0473834041
0.9119255613	0.7268115677
1.2663262832	2.0185432457
0.8873224259	0.1768006707
3550.145735054	2071.7823238358
86.3787885975	42.70310385
48.0098327574	76.5283994527
277.3937682357	308.8100134964
0	0
2.191309141	2.3286532729
7.7942873557	4.3340274124
0	0
2.796769699	0.7883213576
0	0
1.2360152226	2.8075734134
0	0.0337866606
0	0
99.6432895772	63.4090759727
33.1552344855	78.04991902
0	0
48.2460101604	100.6549031269
1.6051453846	1.4072443094
0	0
34.7255690982	45.288885507
0	1.9145159317
7.5676728147	12.9463853202
0	0
0.1933306638	0.3852150022
265.3305320682	102.9527143629
2.8033053114	1.4249078635
0	0
2.4466460849	1.6474099319
0	0
0	0
0	0
0	0

gene_expression_table

0	0
0	0
1.0154727286	0.9172513688
1.8842635163	2.22321189
0.6248808655	1.4110985285
2.0395632711	1.7416578738
0	0
83.8904968692	77.0952420125
0.48783514	0.0972020738
2.4232855205	2.6937624949
1655.6423907146	1653.660740466
16.5083726036	9.9707647319
105.2592573374	57.9927494759
22.1303930101	19.9588919546
9.2456969514	9.8251871735
177.0626787982	892.5858584971
2702.8157747894	4071.6975003804
7.5223252356	15.2822649395
179.0763060243	339.5129042951
592.2703208085	1061.5259602556
6.3905413234	16.9277647767
68.083007585	140.263887597
0.8181147835	0.9780655027
54.9662883647	130.916240622
40.5078646459	41.4569705577
0.232388737	0.0463038951
127.7251359212	179.8992209268
11.6752312794	19.8694404851
71.7231486812	45.7960724257
48.7347522781	31.9506495057
0	0
0	0
6.1089390497	8.5734460819
4.9374755635	2.2782767862
5.2998433366	7.9940474829
0	0
0	0
0	0
1.8823545962	2.3441419473
6.5316738853	10.1223762011
7.3669935703	4.2201762605
2.9436392648	3.1051359952
10.1218260044	2.016792965
0.995136908	1.3699546513
5.8403541146	3.9810844127
1.3272545899	2.4179015862
11.5614764533	7.2948791216
0.4249504291	0.3386887052
0.84103979	1.67578768

gene_expression_table

24.7498601573	30.8216026367
0.2254337315	0.2295813854
4.2715065798	5.0002463435
3.4213970868	3.579029145
1.2826802572	0.3252791385
0.0209854958	0.008363
0	0
0	0
0.7509092895	2.1258521887
4.3131920909	5.4597918335
9.2050833718	6.3675465718
0	0.0282617411
6.1053889317	6.488054858
0.2397017108	0.9552203797
5.332193482	3.035570374
0.6033847266	0.7694435032
3.2793628774	2.1780641747
2.1601555287	1.2685917927
40.205008467	26.1533105035
1.5495694923	1.5051789214
0	0
7.9715653706	8.3631461839
38.3530512168	22.0160017277
0	0
4.9705951386	5.1210951517
122.0925639016	89.8047921479
0.5106638462	0.3391691223
8.9826192437	7.1592154579
1.59049943	3.3093258518
14.3916095882	18.0952634835
69.3823519562	51.1032187847
21.4188724353	0
0	0
7.5643628228	4.4423137437
5.2670696173	3.4346408
0	0
0.1842990235	0.3488583237
1.0829435874	1.2946713415
3.4162904001	3.5396520648
4.8876308026	3.1968330691
85.6817476898	20.7598562364
332.9566228127	231.4314982684
67.6951235539	94.0099305139
33.7275420666	10.8839260919
0.7472585515	1.1166950922
2.4980448917	1.4932205004
27.0078337768	21.5254477355
0	0
38.6180946447	19.274173948

gene_expression_table

3.7484809172	3.3610135889
0	1.5864060181
18.999911695	9.5254815829
4.8537364826	2.450027629
45.0327367565	20.6874224398
0	0
0	0
8.4828751142	2.3663204628
79.2183023974	70.5383286895
1.4150774531	3.8064175762
0	0.3702416791
0	0
25.716342479	29.7834235116
676.5667814868	713.7993285605
0	0
132.6774671789	53.9120995445
161.1609348408	76.3309021756
3.6973321508	1.4734008405
77.9836460466	40.3189421756
12.5494170573	26.5842107577
683.5352061776	768.2450843367
4.6345687472	6.5010639497
0	0
0	0
0	0.2425568613
275.4914896529	94.3157567012
1769.562244111	1039.9831361042
2.2953282364	0.6097979867
4907.8357563803	4870.7793206374
5.1818453762	0.2581231217
17.0483516186	19.0227312078
115.1322788749	148.3118634613
28.9904683479	53.9131191202
45.2758680125	21.4792911621
1.8321596986	3.1030209084
1101.3500774744	544.3769830377
212.0526377517	149.0684620416
31.1886624028	20.7146664693
29.9915155818	15.565046778
22.5960706968	18.7019022482
19.1332034857	6.3948710342
0	0
0	0
1.0209092939	0.9246277576
196.3437716142	140.3508729112
15.4692388411	26.8523625713
0.564758111	0.7802019069
425.9335327084	201.0466700781
48.824763336	25.694217068

gene_expression_table

8.7513105157	17.1465324377
18.9418752412	12.9690783727
30.3974477463	29.9236136069
0	0.8825569037
0.1203632575	0
0	0
0.965270503	1.6065376519
3.6041563039	4.1292760006
1.367799731	0.9084556066
4.9480717887	3.1134083919
5.0023038253	4.7842487675
0.7964364312	1.163737406
0	0.1256277811
0.8751232793	0.5978398891
0.3052473808	0.851495647
291.1566117753	451.008218466
0	0
3.3346058823	3.4328703821
5.918672843	6.3270743216
10.948948133	21.5593274666
0.2000431019	0.1594358648
10.1554947868	7.3231484072
12.2033403542	12.6328214087
0.0189662725	0.0302325252
0.0358236744	0
1.2673853514	1.3917149757
3.1536367659	4.8025275224
0	1.2718378493

gene_expression_table

C1_U937_2H_R1_001 trimmed (GE) - TPM	C2_U937_24H_R1_001 (GE) - TPM
0	0
4.9165864397	0.4678777967
0	0
0	0
15.0080720284	13.4660293891
14.4063215883	0
0	2.4481773324
0	8.1020502824
421.9308443436	157.7410348282
6.7399890356	40.9212249772
0	0
2.3423929937	0.9808016639
0	0
78.9987179256	69.2853563796
428.7936139463	30.3282977811
0	0
81.9631062982	82.400569254
5.5735038045	23.3372530563
4.1652455726	4.360156258
36.3570063242	5.4369021632
29.6434007583	10.3435165324
31.2659969521	0
0	0
36.1850639626	30.5470377579
0	3.1219731209
871.230938475	545.2172573026
38.0019058933	41.0233178484
385.334801722	81.2986463002
0	0
15.4399422341	1.3468705823
23.6892452955	8.2659240872
0	0
22.4169478147	14.7937436638
23.2418310278	24.329421456
3.1480376721	5.4922476628
0	5.6964987023
7.2326593969	8.2593908218
1.0332340583	2.1631675092
7.2957046713	6.109682961
19.8840186882	57.640103682
22.6597865166	10.413720197
20.9501426692	19.5293455836
0	0
0	0
9.4533070516	0
0	0
0.1199476874	0
0	0

gene_expression_table

4.5813132366	2.9973085065
4.1691543704	1.8703919855
0.4591288294	0
72.1531303769	38.3641913876
0	0
0	0
0	0
8.2102585594	22.3455796294
41.1459195059	43.0713232387
0	0
0	0.1238260667
85.0135535317	59.3278148891
28.4503436668	15.7667632765
0.9675180645	0
0	0
48.6962862723	45.7734746198
2.8576708539	1.4956971012
12.5870313851	2.395642824
17.4006576532	4.5537282879
0.37444037	0.391962129
11.4436962677	11.9791985915
0	0
734.9337595035	1189.3782067851
0	0
48.1407999988	5.726537027
2.3747706049	7.4576905975
4.2492613372	1.9623986031
17.0348297405	12.7371189256
0	0
5.2262847166	3.647230816
25.2564412135	19.4808558495
29.744357881	19.6649879751
51.7676986411	44.9004045948
0.2389179302	0.7502939432
0.1972898151	0.4130437963
17.5152182601	28.3356534228
3.7206572313	4.1729610179
0	0
1.1858627347	0
141.0942784078	108.9801026435
2.214719353	4.6367121835
1.0246903383	1.6447150275
617.2001632622	708.8172257445
0	0
0	0
3.4393316462	9.600729426
0.6277515097	0.657126843
3.0977668564	5.0957113162
0.6334188075	1.1050988989

gene_expression_table

3.7372270344	0.7824217592
3.1081355238	5.2057267956
19.0276361922	6.6393417925
16.3103034208	25.4395691043
5.5920469414	7.9823510703
4.6950394073	8.737318299
20.500570732	21.4598851886
1.5036198295	0.9443886025
0	0
1.528270931	1.1427040302
1.1364014796	1.1895788464
55.6515131855	49.5960683018
19.0939849839	2.6649971906
0	0
0	44.4850428198
22.8778520231	11.2698401068
0.8309479529	1.7396635342
0.8088239474	0.1058340599
100.3200338207	60.5488790414
0	0
370.3785626218	232.6261507765
5.8324445933	6.6141519859
1.2447602571	0.8686721475
12.2694830919	7.7061766304
0	1.1597930576
1.8076691246	0
1.5770865009	1.6508855136
31.7902881079	15.6601880091
0	0
13.2231728786	58.8282660971
0	14.9673588166
1.7473142781	2.2863487733
149.0419361725	274.8858313991
6.3348905655	21.5518184585
15.5359224093	7.1150268477
15.1630808922	18.5180683922
33.3060524067	45.2838970286
0.5164961226	0.3003696184
0.6415627397	4.3652983594
35.1827427659	0
1.6670718414	2.416266935
0.1057210017	0.096834645
0.2377806102	0.4978148815
0	0
19.7858839947	9.1131722112
0	0
0	0
0	2.2145604105
0.9658666551	0

gene_expression_table

1.8013915176	4.1485109091
0	0
0.7423881501	0.3885639252
0	0
4.253846189	1.2722579709
0	0
0	0
0	0
1353.6854558635	755.7496122178
2.6218347707	2.0126496733
1.8893371086	0.494436935
8.7222105483	4.5651811211
1.6499196322	0
0	2.9417237612
0.9190963733	0.6414033673
18.7225238666	7.62169157
10.8343787909	4.3620647666
0	0
3.4784712166	1.9861334306
13.425185958	0
3.2871050416	8.6023088964
0.2747811755	0.8629182896
1.8663150112	0
9.1308988532	8.1244486837
0.9214162226	1.2860446086
0	0.4819054797
0.2899849789	0
71.6022122473	24.1286422911
0.7286876523	3.6232346611
0.9022347659	0
0	0
10.318177668	7.560708319
0.9266922111	0.9700563324
5.6000625684	4.3654046626
16.2309510866	8.9671928814
96.5590951437	11.8914743616
2.1501344058	2.2507489226
75.4421775169	163.3294024568
0.7946607911	2.4955396947
13.5538444852	8.6512745068
68.9836697861	118.1177547628
0	0
0	0
0.9586659534	0.716804479
0	0.5423847332
0	0
1.1333376521	7.118229891
8.7447650873	15.692523789
0	0.2436347667

gene_expression_table

4.2091187704	30.842577369
8.9553240772	16.8738915743
3.2413502248	3.958532278
19.7180792375	9.3821715349
160.5495993266	235.6339385472
0.2904325187	0.3040231703
20.7979876586	15.7653659164
0.610671574	0.4566054713
2.5229450364	2.7730553019
1.0088556085	3.1681935807
0	0
6.1464491791	7.720883214
0	15.6225809334
0	0.2944638232
0	0
63.8258254806	30.2547281325
0.4745131452	1.1590081116
0	0
15.8771043221	0
0	0
0	0
2.5189593102	3.6915659383
2.2431849384	0.5418816255
28.3483301319	13.9895847569
0	1.6263211232
0.3610337893	1.5117127749
0.2886454489	0
10.7594168562	2.6500938001
0	9.0838536947
1636.8644256493	2037.9245559644
12.9860342936	1.8124946122
55.8807857072	18.9250795721
78.3484357953	131.9367131552
31.0873255327	9.7626126434
2.7450386587	5.7469828743
47.2466489382	13.8190166861
4.1592607447	1.5832332265
75.2922152702	66.9931568712
83.9412160798	30.6520483817
0	0
0	0
0	0
0.3583636694	0
0	0
1.3571767805	3.9779186228
0	1.9545874982
0	0
36.8913199666	24.6257361805
2.4507442768	3.7626243447

gene_expression_table

23.6666756115	13.4193293217
64.7551994306	89.2783161501
7.2477520039	4.4109925068
19.5037312374	9.8561926516
0	0.249339718
1.8668891074	2.9313739429
2.7652654445	5.0656632701
0.0955443223	0.2000305469
5.380637781	13.1423183891
0	7.7969105502
11.1630426114	2.4600867118
0	2.2256157568
593.3870664275	447.9478355513
0.8428979283	0
4.0101744836	4.1978286912
4.4843617823	23.4710267949
721.4291978748	163.6240957111
0	0
0	0
3.2616004983	3.4142255422
575.1137962403	470.3327912423
0	0
490.9911183232	123.6122717628
0	0
4.1471010051	3.0388138369
3449.4384755283	1553.2273654378
17.1592807977	15.3427476754
5.6403560661	4.1330056918
1.5500490061	3.2451656241
3.9050164319	4.6717140783
0	0
8.8300782062	6.1621850107
11.346998368	1.6968536799
19.4694117029	8.5313610265
0	0
2.238769079	7.0305936397
0	0.300795198
0.8734213914	2.74287819
11.3524562797	0
4.0660066173	7.093789105
3.7757356728	0
0	0
0	0
12.990626735	15.7663964455
0.2314190762	0
14.6034157659	2.9117667925
31.5632602093	24.7801859686
2.1907655836	0.4586562834
2.2096436845	0.9913041042

gene_expression_table

23.9683695701	11.330948785
19.4368808498	5.9842413072
30.5963183631	28.3885064227
0	0
5.6227197472	5.8858322434
2.7354576554	3.4361545143
10.3808310742	14.488796169
45.9521809711	17.0686259888
1317.2139524869	706.2414490353
4.9170326261	5.1471228292
23.2329337817	31.6161402278
1.4848217076	2.3314548498
55.4815369774	24.9632516355
11.4110662424	9.2905879575
8.1608659665	7.057054189
2.0715157017	2.1684512937
36.1218689112	12.7743833061
0	0
1.1115617832	0.7272354926
53.313771208	55.8085637737
8.9419905715	4.4338863634
2.1126914616	1.7692430829
1.4338356705	0.5628492483
1.3148153117	4.1290244067
108.4337872658	102.8247987879
3.8587456674	3.2819424914
0	0
2.1735242643	0.9100933194
0.9411663738	0.2463019517
31.1942936288	14.5128958942
1.9331177344	3.3726284322
0	0
0	0
12.6306412635	14.32349329
0	0
0	0.4583832663
0	0
68.3469930167	42.3971899535
54.6813173864	29.7424067856
6.298117138	4.9446259004
8.73843916	7.1695448016
10.4317956743	9.0999554926
42.0365238242	84.6223133894
0	0
0	0
0	0
114.6660391912	84.5294239125
0	0
28.8402582419	34.6775010101

gene_expression_table

107.4014876637	21.080116724
16.6160797457	34.7872425884
0	0
4.3404905756	6.2474524304
1.9380369036	0.760772407
7.5040360142	6.1719301367
7.8464821021	8.2136545
26.2004061201	25.9439313025
0	0.5113300477
32.5224157356	27.3146021287
6.148813591	8.045680498
0	0
0	2.4764489315
4.4449496491	3.1019659692
156.4109232449	201.7388707542
0.3987253273	0
0	0.421721277
0.7287984001	2.2887065238
0	0
1.8083592352	0.9464902728
0	0
0	0
35.9303621016	10.7462018018
0	0
0	8.865194736
1.766664666	5.1781377165
1.7134150307	1.4946612267
299.9191502856	47.4463827676
12.5672331059	20.5620824294
3.7794653651	6.0026979504
3.6012598292	9.424447675
12.5381109796	8.2893637385
25.6319055419	16.4191772117
33.5010685727	15.9403341556
10.4579869856	2.0526306586
2.2540027398	5.0560236985
2.7062290641	2.2662926128
1.4328030628	2.0767159393
127.4084760663	36.6768861535
0	0
82.2284888663	42.603436997
17.5595605848	9.5310194884
16.7946678091	12.5575473579
1.4150617883	0.7406394658
0	7.9724174779
11.1833547154	2.5608350425
106.9431388039	33.5842476354
0.9934967264	0.5199934666
16.7826425914	13.6639831759

gene_expression_table

5.622068668	15.6937351927
0.2033880495	0.3548424943
50.8829525195	13.7455473757
14.3221784711	13.6294345459
4.0671646744	3.4059885687
0	0
17.1970217263	9.2912248663
9.0187025201	0
57.002584561	32.280488229
0	0
18.6954890323	0
40.0595585949	12.9028081802
518.594479222	143.3974727737
1.293224793	1.0153054741
2.2478383767	3.9217081739
25.8859026024	20.9620012302
25.8915396426	46.462494729
94.8545797206	37.7594067026
0	0
38.912988716	37.6005263211
46.0745625716	26.4490386068
0	0
0.2888721405	0
34.9406270081	5.7149464109
401.5944337294	316.8132814584
1.1245290661	2.3543017378
0	0
41.3759760906	62.3272333536
0	2.0856071821
0	0
13.5566531759	18.2456104027
0	0
0	0
3.809717679	3.1903932846
0	0
9.8039008582	5.7014831866
54.6423199495	29.639627594
56.2105449626	75.2616043561
3.8653120784	9.1571612264
3.5830218176	3.7506876193
1.8854851369	6.9080043097
5.5446091056	6.4868977987
0.9692215638	0
0.8462696963	0.8858704842
4.1296406411	2.1614426053
0	2.0143139101
0	1.4231476772
3.2354372736	1.4817416346
0	0

gene_expression_table

225.6491945018	236.2083412315
12.6487390952	1.5277650952
0	0
2.4845621924	2.8372648346
0	1.5642294576
0.0305615102	0.0639832431
1.828259937	2.0201354073
0	0
0	1.3062482856
20.8936891492	35.7895626465
0	0.5078924382
78.4103256545	73.1578148152
165.0745777695	106.0358507105
5.4596834557	10.6138811001
9.5222768136	11.9614406735
0	0
4.6969318968	0
2.901721532	1.2150024844
0	2.8689902016
14.8424919189	5.5131429663
125.2785529	20.1755235686
0	0
0	0
0	0
0	0
106.6495003119	43.8586158028
13.8384452093	36.2150216771
41.1110796079	126.2355688712
0.7543493159	0.5264324889
138.0208835879	153.8007635868
0	1.1691202246
5.2582644736	8.8680750722
0.289428784	0.530201816
7.6278746629	3.9924087148
71.5475759166	29.9582442804
952.5248452093	143.7675886551
55.4341293705	29.7217318255
3.0640025885	9.6221433968
0	0
3.9034507509	1.485858499
2.2316687358	4.6721972257
1.2057053001	1.1359131355
5.5097580844	12.771080171
0.7576098527	3.9653092268
20.9868765792	24.2989873715
35.1777281219	33.8055045564
7082.7627021915	14716.0581066149
0	1.541106808
22.4350187799	11.7424274064

gene_expression_table

0	0
0	0
2.101735207	0
2.4953215844	1.8657778365
7.3497101146	0
366.0517200412	239.4880851081
0	0
0	0
1.385147353	0
110.9477912079	18.7321839236
0.329256646	0.2297760361
0	18.3431061704
376.754472129	508.6988716292
33.5890866442	38.6769591752
73.6924254961	43.1794569005
7.3578781093	11.1253805227
18.091413559	37.875985303
0	0
0.7795383994	2.2440454522
1.4242771867	1.3666817635
0	0.7911729856
2.0469959427	0
4.7317205942	6.0538368108
8.4268354925	10.8568187707
580.2413299914	759.2418088054
11.6637215768	9.4962932402
3.305905765	4.325755066
0	0
5.5320112685	6.8127989466
1.7635460033	1.8460702997
10.1789599904	2.536971329
0	0
7.0035341815	1.5434234174
0	0
5.7577598797	5.2410360997
10.0604694808	9.4028967545
0	0
3.4618313738	0
0	0
0	0
0	0
0	0.1087568907
0.5924778166	0.5549180569
43.5714263431	8.5519369715
8.7069598775	10.4815576122
0	0
3.1369780093	2.4628285524
3.5683702758	2.9489608939
5.5902871642	9.06097857

gene_expression_table

0	0
31.8822557292	20.21252593
47.7124459679	49.9451271832
11.2480447161	14.7179895232
0.1566219726	0.245926535
0.9064162236	2.846494619
11.7474437496	13.3219231083
38.388760638	59.1614626375
1.1188084635	3.5134877201
0	0
9.4210754018	7.0442358173
13.1539915861	26.363605359
1.5542170049	0.3253891701
0	0.5412065023
1.5613015626	2.0429524082
0	0
9.1080317814	5.7205426779
54.4334745132	33.6703918097
70.4315338586	57.8253678319
8.6781856821	2.5672957455
0	0.0727288567
16.3848872498	12.5160399161
1.6992924897	2.2235125919
0	2.0048978865
20.2725841216	7.5301138899
23.4424213975	37.5759537338
24.6735778294	34.6475399818
2.4826834453	2.3100972767
2.3338469496	0
52.4066286432	37.4646637393
4.0449611463	1.6216250474
0.1868591942	0.1956031814
3.3831917648	7.0830132286
10.8553104077	13.2571594109
8.4556226083	8.8512994465
0	0
0	0.4679682653
80.0126381121	45.0305330406
0	0
0.651637207	1.3642605203
0	0.7987640982
0	0
0	0.3750251725
0	0.0135246107
2.2042123311	0
3.2116189679	0.3735450167
97.4063296559	107.0626331482
0.1388218686	0.2179769578
0	0

gene_expression_table

0.1258921214	0.1757109112
8.3879806761	10.3075343713
0	0
0.5832094296	3.4595024792
96.054039988	69.9470212886
0.207805006	0.1450194283
0.1993970513	1.4610941906
2.5083437137	2.6257204648
6.845387907	3.480489938
1.8242903656	0.545616333
7.2498409761	11.8895803435
0	0
0	0
0	0.3839233834
1.5871868912	2.6727811405
1.5940176965	0.8343044982
2.6717709473	6.7922169093
0	0.3361919976
4.1604271651	7.6214466571
0.1668259316	0.2619487077
0	0
0.1444966802	0
2.0317378325	2.3926635428
0.2939029832	1.230624134
0.1790668474	0.1874461954
332.5345180341	235.0579100408
15.3548972223	58.9358818931
0.8562089553	0.2560785275
0	0
3.5075989754	5.1404295615
0	0
1.3292427084	4.7309095617
46.1014726418	58.8610744649
1.3490090583	3.177304415
1.1410082961	1.1944012366
3.1597152816	0
0	0
63.8406788563	54.5919470055
0.0919644058	0.0577607019
0	0
0.0467448874	0.1467968766
0	0
0	0
1.1590261519	0.6066311147
5.791225289	9.0933343829
9.0521790047	18.9515428313
5.4571411731	1.9041684996
0	0
0.2609411284	0.3642023259

gene_expression_table

29.771319961	57.3945374395
0	0.1827799607
4.2479594268	4.3077800218
5.5725878702	14.8485386485
1.1338253921	0.8477730086
0	0.2930275385
33.7929052977	16.2530237804
1.2511192573	0.8731098586
0	0
0	0
0	0
0	0
0.1008201993	0.738766228
0	0.3231054325
28.7882231275	7.9770055595
109.7623172642	108.7433109421
1.2896951228	3.7126259298
2.2730423697	5.5519527146
0.6879369906	2.8805146995
0	0
2.2042623666	0.7691365919
48.2857807096	15.6864695746
8.7253454968	4.5668219446
0	0
5.2096090093	3.7312669687
0	0
1.3072219759	0
0	0
5.5659962188	13.9834904748
8.717847765	11.7331653917
1.5741074691	1.6477670795
14.240961581	4.1409335013
1.1703526244	1.4478675767
3.2938787844	3.4480142754
5.0939552022	2.9624024517
4.7935021614	0
0.9987695428	0
0	0
0	0
1.1633166814	0
0.6453404003	0
1.8723245866	0.6533130417
1.4022008224	1.7613793716
4.0022903955	2.5137454026
3.3284350745	2.3755824618
0.3297418894	0.3451720042
3.2431689456	2.7159451951
0.1434375758	0.3002993378
0	0

gene_expression_table

0	0
0	0
0	0
3.2178189518	0.7773219829
0	0
127.5164610585	121.2373374956
0.1140891665	0.0597139574
1152.2632905862	1538.5685327885
0.5026340256	0
6.4884399401	8.4900792512
14.119479939	8.7586336516
2.6093855734	4.0972357952
22.3268605124	16.2585289257
0	0
0.1134092125	0
63.0828129601	22.5908331959
17.9085928341	2.7772765804
0.7270576831	0.2536933338
2.5522885463	4.0075825124
0	0
0	0.1877141211
0	0
6.1908276614	1.2961048994
0.3463868944	2.9007672347
0.1535276692	0.3214238468
0	0
0.8754411496	0.2291017505
1.6854593587	3.5286592555
2.500848382	0
5.4519865336	3.692835656
5.5746236887	0
1.0852317892	0
8.2279200787	4.037316415
12.7711293822	9.5491059337
0.3693578751	0.5799627017
3.5121661615	6.6177293518
3.0494175983	0.3360119626
1.3418136474	3.7456084768
0	0
0	0
0	0
3.8686119282	0.5785202548
0	0.6806230019
0	0
97.7150893423	6.3929762795
0	0
1.0275229371	0.5162905844
9.1230598881	5.678360027
0	0.4290099176

gene_expression_table

18.3368022573	14.0762337447
62.9531414924	65.8990038058
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1.2872281172	0.8084780068
0	0
3.2924548209	1.1488412261
5.7133660881	6.9775070595
4.9438939819	3.763811745
0	1.4570729458
23.5157499275	24.6161582604
9.3279894365	12.5543420556
1.2424429351	0.6502912306
62.4350684521	28.0100090502
0	0
14.1469070562	6.7874147198
1.8182296003	0
36.1441209182	6.6768472703
0	0
14.7190070201	11.4662518718
0	1.0179286872
25.1161620333	30.4427441879
0	0
0	0
27.3870075989	42.5684821233
11.2267499136	7.34506271
0	4.9219602384
1.5748503073	0.7065191479
54.9805057492	57.553292365
0	2.9088920228
177.0738162589	132.0371899443
0	0
2.2526357676	4.1265818771
5.5837916341	3.7018855883
10.6078621405	11.1042520039
2.8470510462	4.8429508494
17.1960491657	13.5005475805
0	0
0	0
2.4042281323	1.2583664221
60.1382480658	8.9931983971
413.5168125371	311.0818860782
6.1384645069	13.9223739065
0	0.2100449705
0	0
4.2669458135	3.3014114664
0	0
1.4392655783	0.5022051088
14.8230373352	14.1060675608
0.4618739062	0

gene_expression_table

0	0.3094430324
1.5652654067	0.4915533771
51.8093488082	33.1248008959
4.6131437817	6.6398937699
25.7831156163	21.5916993985
0	0
0	0
14.9088127388	9.5161363047
0.2738836992	0.8600998701
0.2191106674	0.2867048086
3.0980704144	1.8917751684
2.2369124633	2.3415877181
1.1170859293	4.9697775947
0	0
16.1708309924	10.7720692146
5.1280296807	5.3679933905
6.3176128814	6.2651771728
0	0
5.3316191818	3.4345290865
21.8268861282	12.02540257
0	0
32.5477871296	14.9911719529
69.6334025962	88.1291469706
12.9946074628	18.1369119178
0	0
3.9006198145	4.0831474634
5.1768750018	0.9031874009
0.3459722238	1.2675664032
0	0
35.8485006349	29.4847254202
1.7349567031	3.8340800399
0	0
0	0
0.3439100209	0
6.8625966469	6.4653557336
2.2990356804	3.6099269424
1.3290260744	3.9596182343
20.945099451	43.8504308351
2.3181021073	0.7279729779
12.6611082905	2.2089298051
0.3494556871	0.3658082998
0	0
1.7738225898	1.083149535
1.1240102561	0
22.4155978841	30.2431657172
0.7997213869	2.5114319065
13.4782941264	16.2253551627
0	1.6137728273
0	0.2946046403

gene_expression_table	
0	0.6308701549
0	2.7731093396
0	0
0	16.4160728106
0	0.9341818109
7.2444322616	0
0	0
15.9730492844	21.1206322463
1.090082238	2.9342368744
2.133130575	4.4658988113
6.0080839895	5.3907680761
0	0
3.8251150254	2.6694063091
0	0
0.9416135683	1.478513891
26.5565271989	35.8699706554
0	0
0	0.292397883
2.6554756132	1.6678423989
4.8795133418	4.8390137505
3.0905835799	0
1.6202694771	0
10.3566947562	4.8892278688
8.3894758905	11.1771639947
52.9956679446	55.4755750194
10.8972290744	8.7747382507
0	0
38.4470252213	42.4820318953
508.7115188759	288.9184899408
7.232071758	7.5704931161
8.985699495	15.3919325929
0	0
61.5656173935	455.1537676847
0	0
0	0
0	6.5842934864
2.2497783346	5.2988751938
3.7025993302	3.8758607048
8.686743739	6.7510386855
0	0.199719274
2.9818172616	0.2601124985
1.6137263608	2.3649358856
65.7888685867	22.9558091335
6.7918215065	7.5539941612
0	0.4380600186
0.8155644866	0.8537284389
0.1997120041	0.6968581076
0.8788759767	0
0.5159582259	0.2700511228

gene_expression_table

0.2397567727	0
0.733189647	3.0699956311
0.5828453701	1.8303580258
0	0
18.0882623852	15.4920223801
0.5451932516	0
35.41370169	0
0	0
0	0
121.2289263844	444.1562171679
212.1506211728	253.8035526674
31.9212261782	0
0	0
7.2802796547	38.1047843917
259.2412624857	0
0	0
13.331187539	55.8200564763
42.6241494611	30.8898874119
0	2.0539994108
0.6892994451	0
1.24436945	2.3880983987
120.2540323658	41.4292763031
231.7221907988	100.2731482389
0	4.3306204347
299.8645180511	546.5610602971
0	0
0	0
53.4550854549	38.0504137124
8.6654818403	17.0747838897
3.1661214768	4.971417938
8.7930790475	2.5103309998
0	8.7946290745
0	2.9287556644
0	0
408.6569157815	218.7881531258
213.6296140747	128.7545422682
2.2225620283	7.3120638212
4.9780403332	4.7372594208
0	0
2.6545490635	10.1046088158
2.5222569426	8.3609017291
13.1698192838	8.6163091957
0	2.4884528702
2.7802888975	10.1863691792
7.1078849346	8.6805775342
1.4648861036	1.533434752
133.458452493	65.1950027399
14.9179045257	7.8079903862
0	1.9201390843

gene_expression_table

6.4308304156	2.7539010271
0	0
5.2198231486	0
0	10.8563839414
0	0
68.1274813147	31.6957663995
0	0
70.9521174365	51.1382966726
7.8511573293	7.8898065621
130.4349258411	92.7932003003
21.8893694728	22.9136721059
7.2091368567	5.1882084286
12.113818617	17.7529505964
0	0
545.8368186281	442.8187195253
4.8487724865	8.6584933044
0	0.6086580132
0	0
2.6026265942	2.1406119961
0	0
117.3855666453	122.8785684036
3.8708590462	2.0259970271
4.575430902	0
0	0
0	0
12.0281339953	1.7366875593
32.8566880098	35.8896011451
414.426303309	209.4299514063
0	0
0	0
0	0
841.3264574459	101.4134705956
0	0
16.9039720097	1.0408814906
3477.1599332503	3010.8856025808
2.5283645793	0
3764.9393926932	3042.9456792667
0	0
0	0
0	0
0	1.1077146031
8.8898992982	18.6117958149
106.3617846214	27.4910947514
121.4184057942	100.6209301877
152.3659090458	53.1652664296
0.3461165053	0.7246257251
33.2594773373	10.444751628
2.4635149817	5.8739196519
13.1876411974	7.8884289113

gene_expression_table

0	0
51.655050462	44.7494267415
4.8411790824	32.9401784067
921.1861378096	795.1986410724
39.4383425777	46.9134557503
9677.9062261634	9778.0870502521
1.6927372469	1.355019121
158.1847904549	63.934969932
0	0
101.0284051333	145.4144742858
11.6638477936	3.6298965415
454.3065908621	337.4982044299
1.884277759	1.3149677604
27.9565321925	27.4192203713
1.9966149551	5.2251140057
0	0
59.4647747642	47.1061410065
0	0
36.6218976049	23.9597511779
0	0.0980307906
68.6415920027	33.0904933266
8.0357803735	35.0492120584
51.0323575961	21.3681569988
140.1217460807	249.3537501206
0	2.7784152752
674.3359030135	1393.3996801797
34.6165507353	13.8043488617
4.0719742539	6.3937805286
0	0
0	0.9892780812
227.8850926481	348.9881575237
8.3466022034	5.824784989
1.8673199114	5.8641007755
0	0
121.1784983785	192.6225382037
1848.2530167515	1984.3498846909
276.5447926666	181.4685692178
0	0
2.2820165923	23.8880247329
1.1906173525	0
44.0725274096	49.4302289648
3.107837095	4.8799002805
13.6838303788	8.1852335502
57.7572461168	35.2683152368
10.6254391021	14.3005518913
1.3028547474	1.3638212156
50.2399766655	44.0626731569
390.5589720273	307.7746579221
15.758580012	16.4959952683

gene_expression_table

1.7753468267	2.3044449379
121.4310588169	49.4329762334
22.9708556736	26.3358388856
17.1673705051	14.3100093709
2.3595581199	2.7787190849
0	0
15.4757485649	22.4306707267
16.6378204108	14.2497648846
7.6503161535	8.0083090591
269.6214543987	248.1994767347
4.3665178265	4.5708469514
98.3443641911	89.5185582063
1.6206751124	5.0895415003
18.5622839979	12.659523965
0	2.4133889584
12.7193191389	2.6629027256
8.3638561614	7.5044904277
0	0
9.3947726426	29.5031896797
5.3595946402	4.0074245158
1.982126353	4.1497580259
70.0608730404	33.8489253557
91.2087671908	37.9606705577
1.6715618335	1.7497817745
0	0
6.539543265	11.8656340083
1.3715306502	2.1535661619
174.7565304074	48.3619094244
0	0
0	2.0244637093
1.8406666673	0.9633998943
0	1.2742675548
135.0883072962	37.8775983169
1.9062499025	13.9681637201
232.5999786491	149.5079550981
541.4509126498	362.0234536899
3.883631093	3.5571932925
10.6714800025	7.9791763096
0	0
0	0
0	0
0.1444180261	0.1511759989
0	0.9735869858
0	0
0	0
0	2.0192356544
0	0
0	0
3.2355181272	0

gene_expression_table

0	0
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0	0
8.7975982128	7.6743980306
0.2316277379	0
242.6092942759	63.4905202019
0	0
0	0
0	0
0	0
1767.2751584087	2410.4340498521
0	0
52.4240776059	11.7594080106
0	0
0	0
30.5723972732	28.6342793189
10.018737747	22.7833195973
42.6764181699	62.9489393931
13.8355505584	25.2681753706
4.0722304013	8.525576972
0	0
0	0
0	0
2.4442792352	3.0703897433
1.0265817743	0
0.5028761045	0
13.3454376555	5.691453396
0	0
17.959583228	20.7448202846
0	0
0	0
31.62322081	19.1261860901
0	0
35.1004134209	18.371460286
17.5555923225	20.6742351546
0	0
51.4606412597	81.7766072754
2.5816017981	5.4048132527
18.0539333396	20.2486698891
41.3168716668	33.0737397248
0	0
146.4448849837	372.2944233248
118.7595618667	72.8754001491
43.7589021922	14.0943320637
7.2266406217	0
0	0
15.220120695	13.2769491697
40.4794300999	12.1067559366
5.1329088717	0

gene_expression_table

5.2111393171	8.1824881542
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1.8256132738	0
0	0
0.5152190778	2.157314038
0	0
0	5.133753679
54.1417826586	27.2041543806
0.4908549896	0.7707364731
0	0
0.053905006	0.1692823954
0	0
6.4824008424	1.5659403938
3.7927443769	4.4113600512
0.270496259	0.2831540028
9.0889445429	15.0225116522
0	0
76.2311327979	74.4337386242
29.7468487887	29.279803299
29.3715046482	14.0444372692
5.9638855956	7.8540499558
0	0.1528481851
29.6148935625	15.0003427843
21.949450731	15.317709892
1.1755009277	2.461015869
0.1839704183	0
56.8659932267	37.0390286512
13.1939767022	20.0696652918
6.7077002787	7.2637075063
0.1519958458	0.1591084191
55.5471594539	75.5904010684
4.0576957852	3.7621367319
0	0
54.2482514156	42.9540971763
1.9227826627	2.0127583629
0.969482833	0.5074246605
3.1106445899	4.5586880135
0.4121945081	0.5033967798
1.6937202615	1.1819847304
0	0
0.7335718281	0.7678989729
0	4.0263777784
6.5976606899	20.7191852514
8.4532006511	3.99621607
0.7857484912	0.8225172181
0.9494407583	0.5521496594
0.745362763	0
0	0
0	0

gene_expression_table

1.2944487847	0.4516739666
29.5266203509	21.8176267103
19.9274200342	18.5072922769
0	0
0.3845656704	3.2204899041
7.2422141778	3.5910521742
0.056098337	0.1174468639
0	0.3370079002
61.4429068805	83.6135280285
2.4433382408	3.4102307888
0	0
0.1222536593	0.1279744611
121.4404767315	88.6906228456
0	0
0	0
3.6007089864	1.8846012254
9.675604826	3.3761233839
10.0296669751	2.9997144202
0	0.7356864313
1.8275570134	3.0062633459
0.3291430723	0.4256146166
227.473907409	126.4583809427
33.9159227273	25.8203652361
1.4124154609	5.2803884666
0.0382672495	0
1.109958736	1.5491983028
0	0
0	0
0.0419508787	0.1756558003
0	0
0.5759569676	2.2393748
7.9691465957	7.3410119378
56.5634109803	77.3358614119
1.738112455	0.7797628289
3.9857925833	1.5646146943
0	0
0	0
28.8941279081	16.6573357312
6.3823989138	3.1178281098
3.4367932699	4.5499265936
59.9381942404	56.0765325934
0.3197736001	0
4.3726240479	2.9988806655
1.1279401793	0.9839346696
0	0.5145135342
4.6282995849	6.229129709
3.9666817824	8.3046015395
345.5179690932	217.0117908695
0	0.0345479607

gene_expression_table

0	0
114.6667257498	427.3157022839
0	0.150294862
0	4.3367175581
41.9203807779	5.8509366743
3.1628027501	1.6554023002
27.2621265254	3.1322024747
0	0
1.1926060528	1.9419765335
0.2738929695	0
0.0950533097	0
6.6915324552	7.0046595337
1.8307762073	0.4791116273
147.7465882487	72.9857687869
0.0553291796	0
0	0.2778392492
9.9288721916	5.1967445216
1.0699940777	3.8502197992
18.0892068927	6.0488986484
4.6589787985	3.2206560819
6.7917027476	3.2585287383
12.4448108415	29.5282289834
0.3602889975	0
35.6377223837	28.4877391161
0	0
14.157735744	0
9.9126551688	10.6425775925
1.4190943638	3.713750524
1.8783729889	0
0.6031439718	0.8418237428
10.1463937202	5.9006607713
3.7611112415	3.9371106532
0	0
9.9932458613	20.9217500964
17.2765493519	6.3829402099
32.5121772995	16.2313945283
33.7469263349	18.5041464151
2.6799241054	1.1476349506
0	0
4.9146076553	4.8738167838
0	0.3615396645
0	0
0.5250947401	0.4885922655
3.360477922	3.517729888
0.9782258344	1.5360021706
4.5066116091	7.7195394914
9.2588519318	3.0153248235
8.1743583019	8.8013556109
0	0.5803434893

gene_expression_table

1.062966375	0.4172652679
8.5307059863	4.8084057083
8.0451010799	2.4952793358
0	0
0	0
7.9043036251	11.0322423382
0	0.9057627855
0	3.4659138995
21.8242719559	6.4253048574
0	0
1.0870723697	0.6637991525
9.0995903118	6.4526912116
0	0
0	0
105.6108434223	24.5673005795
11.7026392356	15.8532759291
0	0
0	0
118.4547723812	144.9130998795
63.2840444071	29.054996125
0	0
53.3712994044	37.7935891593
18.0821473818	19.4226885773
0	0
10.3687365672	10.451939009
13.2704587328	1.5434937264
7.7582122054	7.2188924938
5.4712852171	10.500070912
26.9534705868	3.1349717136
13.8863359504	17.4433685236
0	0
0	2.116615085
88.4937248105	101.2519322998
0	1.2407636693
19.8968055967	20.8278671509
3.1734806979	8.6660405681
8.6850990269	5.1951509171
7.4578383594	7.8068243582
16.5143486452	46.0990126273
529.4326195064	251.4294496193
0.2961510334	0
0	0
0	0
0	0
23.3005358623	12.837301766
5.1565874056	2.8162891099
6.978896797	14.6109419065
0	0
0	0

gene_expression_table

0	25.4375182291
9.9230611407	2.8329289274
4.6840402507	10.0516167571
0	0.3728790584
120.8455094909	21.7548488916
0	0
1.1462611851	0.599949966
0	0
3.0962429065	0.6482260241
3.5723251087	2.2436942178
107.6746474752	89.627388816
51.7751906339	47.4232377968
7.8732209052	4.8076259774
0	0
15.9579901453	28.9548769534
7.2663875507	5.0709431333
0	0
0	0
1.5503162764	3.2457251783
20.0418055834	0.6357470407
0	0.8288856775
30.0252042334	21.4523719608
9.0722457522	8.6334337974
48.8399803373	49.4098057326
0	0
0	0
0	5.0301030702
17.261157927	37.0412154843
0	0
14.1778902079	11.1310033775
9.0150489123	8.1500533149
0.7778768708	0.3489759638
20.1002628926	13.2479395289
0	0
0	0
0	0
0	0
0	0
0.6155508015	3.2217760422
102.5605936142	202.4500364433
4.3742184999	4.0065444773
0	0.0726627256
0.0928981286	0.1458678785
3.9723147919	5.9402819617
0.6693160328	3.5031817908
30.4620682189	18.2214435499
10.2460246559	6.8253070494
4.2630608189	2.7163340049
4.7533773911	0.5331224384

gene_expression_table

31.6905057655	34.8809047873
14.2064031345	11.5418152333
5.0738706134	2.9876062362
111.5480423572	126.8124287553
0.2918992438	0
19.0835718739	2.4970723179
7.3414256775	5.5890648729
3.8844855602	2.0331291072
7.4800450455	3.2968716613
0	0
8.8795814021	2.8600299047
0.1482414411	0.258630548
0	0
7.5257203777	3.3329504506
0	0
32.6876184541	23.179407105
1.4810532855	2.7906452453
0	0
0	0
0.8712989776	0.6633243628
0	0
7.982425987	2.5710645583
0.1630044686	0
3.2253301591	3.3762579498
0	0
15.9644979921	14.9752842427
4.9896906651	6.7901351265
20.7068600454	11.9374123633
8.988684703	9.6820394335
0.1187603131	0.1243176455
0	0
31.4586814624	56.8804304065
0.7941733529	0.4156681586
0	0
1.0053773364	2.6310587266
3.544684276	4.3852026527
5.8176811224	7.9930157257
18.5826533952	9.7261099111
0.4626925974	0
0.2535600475	0
10.8725859729	7.2840726157
6.6118365409	2.5634201063
0	2.1961870807
6.4114003414	4.2387908027
18.9768165007	4.9662069007
1.10129906	0.4940716396
65.7598124659	45.6419316126
5.9261775556	8.9605969781
0.5294878759	0.2771325046

gene_expression_table

0.3437033271	0.3597867608
109.4557070037	24.773542649
0.9343391223	0.4890305385
109.99125208	69.6184709427
1.8240700673	3.3414964774
3.9166569429	0.9110966759
380.6734936366	110.0582945959
8.7407918297	9.149813026
1451.9693884163	1297.5761235016
9.6232885027	28.6090402193
4.1006566682	2.1462724733
27.6504744876	17.5095543111
0.4510691858	0.4721767538
12.6774727184	1.3270709024
12.0859256997	17.9229311961
0.0492473608	0
0	0.171220245
4.2698790783	2.2348430194
61.1440346534	32.0026203363
0	0
0	0
0	0
221.9405545591	193.4345538309
147.8806804854	142.416631664
285.3154158287	152.5106119179
114.6943058492	34.563122052
0	0
10.8221688994	0
0.1866469265	0.0976904903
0	0
148.2191539775	161.5663623758
0	0
0	0
220.1413965857	172.8321063987
2.7407386405	0
76.7811085981	68.6832740107
8.6917624449	0
24.6247888104	10.213565583
172.9374355012	120.6866403601
13.2795327575	19.3068641343
0	0
9.6556412394	7.8332910934
5.3800841386	4.8272936716
9.8272834031	4.1148585823
3.3334833517	0
2.7413250464	3.171667632
1.0863557023	0.3249117716
3.4547773801	0.6575349172
0	0

gene_expression_table

1.9936634748	2.608695011
0.6684682374	0.4664992604
17.9349623741	10.9516285713
11.4015087866	11.9350369673
0	0
22.2908166505	7.7779682711
15.8318040326	23.9382661153
34.621679968	72.4835700296
5.6806113276	5.9464328328
3.1684788082	7.7390746229
43.588252286	45.1806110371
0.7809747512	1.0627761212
0.4872054932	0.1457154407
5.9336614747	15.5283108529
4.0678072426	9.1246250308
0.4155019765	0.4349451938
1.1274752545	1.1802349228
0.0385511954	0
36.5982738279	33.5220135637
0.7368029807	1.3497423201
354.0359696247	650.9720757829
119.7229193657	253.2435300332
9.571962611	12.2465176149
2.3070508005	3.6750123952
6.0332009962	8.4206956896
0.7932488658	0
14.7063291501	10.8823223783
0.1570200997	0
3.779319048	5.2495339131
0	0.3792055497
0.4721895775	0
0.4836983076	1.7721645893
0.3583358982	0.7502081121
31.653134886	28.7489024762
4.0797461766	0.3050468542
0	0
3.2463151844	3.3982249594
0.0613202199	0.0213965568
0	0
0.0350749255	0
0.3613866484	0.4073973774
25.4821250858	18.2911193204
0	1.0627389408
7.8779559463	5.3782181399
18.320715067	2.3972530268
4.6269921156	1.614503337
0	0
2.5843500834	4.1223367868
0.6612081659	2.21487708

gene_expression_table

0.490632907	1.1205640156
13.2687317529	9.9211683887
0.4277650175	0
16.3164473932	5.8227162915
0.171851846	0.0899467857
6.9376369539	3.6311401877
97.8540314272	57.2930698543
249.9441332702	127.4464914547
0.6245055633	2.2880515143
0.1181012341	0.0618138626
1.3024061409	1.9221022794
11.3338174572	1.318242006
2.0576111895	1.988211809
35.9955981092	39.6024437265
5.2273538202	1.8239884519
2.5644791676	3.8349753578
0	3.8164873036
6.4217370337	2.6888956655
0	0.4710651524
0	0
1.4733767796	1.5423227452
0	0
0	1.4770171875
0	0
0	0
83.7811273441	122.9961818916
27.1161527138	17.9273937995
5.1481481303	12.574457638
1.0487565616	0
1.038971668	3.9878294611
96.5132265215	56.8291033414
0	0
0	3.9184427294
42.7380946243	37.5799228849
0	0
0	0
0	0
1.88470665	1.7038687011
3.5488887019	3.039510486
56.0364076185	25.8097860504
44.4221277356	15.0813535376
2594.8283430789	3210.3883709861
0.3248963458	0
0	0
1.2810433904	0
0	0
1.3191184786	1.3808460004
890.7456039806	356.5164432653
4.1662029331	3.1151131555

gene_expression_table

0	0
50.6628349069	20.8346199951
9.7938808684	9.5687021409
28.0767067112	24.8689208709
13.9403813321	27.9274370328
145.381258625	87.0652527769
2.3126441521	1.1173214932
0.3197041143	0
0	0
336.4061621902	250.7141567343
1.8404311842	3.6122874115
12.638357562	14.5797393595
239.2804817145	55.8916731176
3.8007961923	2.4156105328
0.7585567762	1.0587374396
68.190854684	115.1419684017
0	0
3.442977848	8.6498168611
2.1494205023	1.8409104101
21.5262940191	6.216167368
0.8935464194	0
4.3196086297	3.5043505622
12.5152238119	10.480694206
0.2298537737	0.8120576422
15.9828417923	6.8638979577
0.8341726517	2.1830184103
0	0
0	0
3.0563102469	1.6937623224
8.5353678858	5.781325884
37.9462172856	28.3727803392
0	0
3.0216694683	12.6522682155
98.5458113078	117.1446347507
13.1055140215	9.6358099843
0	0
5.1298648464	4.8502452934
0.8142865583	2.6789422329
0	0
0	0
0.8222738111	0.860751723
0.4385924572	0.4591161827
0.9603074629	0
14.3134700546	8.4280849187
0	0
219.172486252	164.4238002581
1.2212411115	2.9220308764
0	0
0	0

gene_expression_table

3.5927399487	3.2235947192
0.8711943711	0.6079743315
57.1324385095	76.1166302849
24.8883458155	15.6317904721
4.1724320864	1.5118889058
1.137359828	0.5952910201
0.276570256	0.2895122296
2.9524877629	0.7726620059
0.6552141161	0.971655611
3.354719544	2.5752481696
2.3124630441	0.6051684131
16.0911081833	6.8684614113
34.7806885675	50.8559463881
7.1806825434	9.0826781608
29.0278021158	51.1376574959
0.4187879848	0.8767699387
4.2242461097	2.040885091
0	0
0	0
13.3610604678	8.991183174
43.4040833096	15.8035327804
0.1582777838	0.3313686348
0.8540552167	0
36.8154269161	57.8072809618
10.1150385452	31.7651008885
566.7057425977	565.6326325427
2.0650837913	0
1.1548495556	1.2088901913
2.3011604823	0
206.4820320531	116.7179006876
64.8838255867	17.3129496759
113.1752564498	121.762106488
28.6648665435	29.367795013
0	0
15.4723342948	145.7671933699
17.8356421339	24.8936700324
8.3032446212	12.4944495682
63.6124271431	33.2945702074
64.3867187873	67.3996646683
4.4510620661	0
77.838035777	45.2008222813
54.804355352	120.5917674828
0	0
0	0
0	0
7.640250746	13.8908682793
0	0
17.4970710454	25.9474373971
19.8699345271	20.7997386624

gene_expression_table

16.9493505296	8.6024180974
102.8519807213	35.8882967463
0.1484326917	0.1553785289
0.8664482355	0.8692018823
5.9320907001	8.2795734172
0	0.3267237181
24.3426395947	9.9279513648
0	0.8518182437
9.4786831992	7.4416752533
25.37349622	7.9050109842
0	0.2388364674
0.1878852733	0
0	0
8.1117307537	38.8174415364
0	3.5662324262
1.4787467518	0.6019782233
0	0
0.9926175334	0.6679713849
0	0
0	0
4.0498121169	2.9439730199
16.073841048	12.0185777104
2.4081633319	2.7009130603
5.4892859181	4.3096158313
0.3919133472	0.4102527459
4.3098596378	9.0230749392
1.8531863453	1.8752418083
0.6707307254	1.6675284703
0.0715505809	0.1872468908
0	0
31.9517202803	14.026113414
0.2489242905	0
6.6918493999	5.161572544
0.1370253295	0.430312094
3.7663629677	3.2855067762
0.4696205	1.9663846719
12.0335729617	3.435457714
5.5946009653	5.5635777736
62.813764797	23.9102200161
10.8005350011	9.0447527194
3.6928834392	6.7649577857
0.435629234	0.4560142968
44.8765329858	21.5539276597
0	0
3.7729482859	0
3.6337304489	4.804761015
0	0
0.2350353143	0.4920673601
608.7470005927	184.5186542664

gene_expression_table

34.2429234008	80.6519356069
1.2424588322	1.5173656194
14.3900963299	2.5105790072
2.5955709009	3.8983465399
0	0
0.774575266	0.63063867
0	0
1.8724184548	1.1760224315
0.0404291248	0
3.9664144383	1.3494067975
67.8434779808	55.2927268413
0	0
0.6168200074	1.03309409
0	9.6094084745
0	0.6015690342
1397.1021134491	1023.3323029012
0.5760856101	0.9277588649
0	1.555568658
12.0884394266	6.9443298658
10.7168297545	8.198002131
8.0452222702	12.2497376287
0.5882617679	0.9442101029
0.3634972705	0.3044055619
0	0
0.4824977952	0.6944795688
0.3624568693	0.9485446653
5.2677348151	4.4113887682
9.5695728904	2.8048654206
10.3862668731	15.1266605792
18.6667377997	7.8160955666
1.7748739868	2.6541833869
22.2608761061	24.1499291505
2.4244877229	4.4413958273
0.2366506064	0
188.1979286725	98.5022806155
3.0060852697	2.8320782401
0	0.3418565922
43.3889052877	39.7418599142
3.764724988	5.4829822653
3.254033682	3.9303515081
1.9518727896	5.9026059398
0.2367925684	0.247873164
0	0
1.5211883995	1.5923716871
0.7676598893	0.8035821687
4.3984404599	0
6.4739483663	14.4008991144
7.5786528894	6.3466338774
0.1935527897	0.5571775011

gene_expression_table

3.3853148108	4.6462224761
0.1297621224	0.0679171396
23.4487898902	17.182245402
0.5393159162	1.693658844
15614.690735231	22502.7587227536
12.475484108	10.5478706736
3.4302541677	11.2852811655
3.8101063342	23.9303906874
14.2396591787	7.9338372497
7.5717438649	2.5476621485
0	0
1.5152374382	0.7269818661
0	0
1.3792450718	1.4437861889
8.5402350223	9.4365307725
4.2350947526	1.8471974988
6.2410418429	17.0586197829
5.264294694	8.6898472797
1.4149380724	1.974865902
1.0546454447	0.7359980511
32.853891599	45.4456118466
0.51421505	0.1794258329
28.0467820164	15.0990263181
4.4194597685	1.1565665716
290.6750429344	178.1133912075
1.7666189545	2.4657160642
7.3551058116	5.3302738775
0	0
0.9120546138	1.0456608019
4.163102681	8.7158261816
0.3146590592	0.4234929174
98.3807073523	184.095981623
16.3078091654	12.7195129975
0.6394435974	1.3387321128
5.4181659432	3.6989389835
2.8447514051	3.970493592
53.4579829949	21.522893801
1.5841877126	2.7638650386
83.8108515069	59.2683402081
85.8265397807	26.4472170058
1.292914853	1.0827329509
5.1735944492	9.2312903535
1.2352359695	3.8791147475
40.4057618091	17.89468586
2.9520030775	5.5622531835
15.2114252463	1.8733219595
27.0236018856	34.4977542468
0	0
37.6210211203	38.8563925242

gene_expression_table

0	12.8554853729
0.2874509195	1.3540592187
1.8086014815	1.7476007331
0.2055693231	0
1.918508926	12.8028145714
8.8603798639	8.0652148916
3.1349103325	4.0108529638
2.3920867624	1.8548320924
12.8120045677	9.1590979115
28.6595744153	25.5005827333
5.2197296202	4.8568750089
0	0
3124.0507397175	2602.6459970346
0.3933708053	2.0588920252
13.9836873408	9.4716776898
23.1331067348	29.3522538928
753.7782148753	188.3893171149
87.3669287071	27.7137038124
0	0.1587223349
0	0
0	0.5149983931
0	0.573041102
72.4605402835	32.2368011405
1.5234925795	19.1374042819
1.5702771719	1.6437575453
14.7209616505	17.978125724
3.2670529937	4.7024081289
0.9698978353	0.2175608021
0	0
0	0
1.2430250365	0.6505959009
17.1488909412	35.0479033611
0	0
1.2458861949	2.6083736937
21.6902990056	3.2436123187
129.6905717923	93.3886183738
5.4360008304	1.1380751807
0.1443961213	0.2267296037
39.2664539798	19.7298763283
9.9122872158	0.9432843619
4.3402480684	3.7861232603
0	0
9.065008405	20.5599358502
1.0264108686	1.3430515963
42.6849452675	20.3101668085
19.639361908	10.9216375195
56.0872118185	57.6995140423
2.1635425226	0.3996678469
15.1722308301	9.3102599531

gene_expression_table

0	4.5449730759
36.098278823	83.9721791353
0	0
11.0170603624	17.2988976929
32.472033853	67.9830944645
81.7752312336	77.8198766217
509.2886540242	849.0438776732
0	1.6291361805
5.6131315954	4.4068465639
0	0
0	12.7763100607
0	0
273.8841206086	192.871176677
11.6936861794	40.8029555408
0	0
132.7806278789	77.4395333429
0	0.7471476925
0	0
14.3976825421	23.44442372
108.0397441364	35.1512768816
0.3172163639	0
10.4914181721	14.277066824
3.0167879344	0.7017682424
0	0
0	0.0149140463
34.6736991867	21.2120874047
0.0449554771	0.0470591473
0	0
1935.2204892653	1764.3874746184
4.3956032381	4.0261317258
0	0.1915049216
105.490041059	118.6671732775
24.1287799572	19.9404274253
2.1660191215	0.4534753912
255.1787127086	179.9843827748
0	0
677.8664574795	69.8835579334
5.7748658956	7.0526143315
680.4216991886	477.3272185759
3.6040667347	5.659075985
245.3135116247	548.2874166749
3.8969568197	4.0793130606
10.8026163651	6.9307830173
2.3726816702	37.2556527061
0	0
0.64882882	0.339595228
0.8109466188	0
27.4412875809	16.0108728813
14.6733327919	16.013579928

gene_expression_table

34.7441767204	11.7322625627
3.1081355238	5.2057267956
11.8548763665	8.4611043187
0	0.2334671368
1.5800890088	4.9620855672
12.3305001399	4.1069318275
0	0
0	0
0	0
1.4542242495	1.5222739815
0.2747461896	0.0719007017
2.8294803441	1.1847538124
1.5992833082	2.8699217314
6.5524727578	6.2875015536
2.7398106776	1.4340094075
0	5.6078739293
28.2714181573	27.7447178654
0.80166741	0.8391810551
0.8562542549	3.5852890621
0.182347406	0
17.3252158924	7.2543764518
2.1537487604	3.0851496127
0	0
0	0
0	0.8369010098
63.24644162	29.424901677
176.0897155443	75.5681350691
15.720761581	8.7122155457
94.678976674	75.913609293
43.898901462	39.54106507
8.2182395144	2.4579451782
29.4810168654	8.5132598696
11.0935525007	14.2348858229
0	0
2.8423009611	2.9753050826
1.9043806635	2.3257444594
10.6795278758	8.7837131668
2.6496499136	11.0945560842
51.6083680632	18.5705290031
83.7504975905	28.719339371
0	0
6.8649254177	7.1861663375
0.3208237631	0.8955641561
3.151134642	3.819420566
1908.4621157817	1537.9640174387
130.9004988203	62.2845115461
1.0021711358	0
2.6315876589	2.0483901282
0	0

gene_expression_table

2.8150713391	2.3801087128
35.1980462643	44.2141465173
17.8973236549	5.1094964735
3.6118365468	3.1759146049
1.2503840422	0
0.7183702915	1.5039721752
0	0
0	8.2610689458
31.3022010255	17.2457750705
36.7839488196	36.6716535322
0	1.1694199724
21.9615585015	2.2428526035
61.4991770361	42.0201350493
2.7079044394	0.9448731799
0	0.0283907058
0	0
6.2707046659	3.2820696541
5.574175681	1.1670033161
0	0
1402.0317956041	1753.7949012374
0.8567891532	0.3587528776
64.9813190927	58.3046477247
7.8970183551	8.2665555729
0.4085130543	2.1381461419
1.4554760227	2.1765490442
5.0937713144	6.450159581
0	0
0.1468115213	0
2.2602911951	1.1830302233
1.4272498388	0
0	0
0	0
5.8155905933	7.6096604863
0.6053907277	1.2674393978
6.0099686525	6.5647328109
3.0227605818	5.2736820425
16.4095141273	6.7215872097
0	0
2.0551052075	2.3777226548
1.0886628328	0
4.1646684233	10.5635300915
0	0
0	0
0	0
1.8621327412	2.2277375509
12.2789364649	7.6456303319
1.1674773929	0.3621063532
3.5058133964	1.10095988
0	0

gene_expression_table

0.4313472266	0.5869914894
0.4530114812	0
13.9098080553	10.9205331804
0	0
0	0
0	0
0	0
0	0
0	0
10.4129077822	10.9001748492
0.2096201837	0.2633151126
10.8956066127	6.0591513378
6.3063688007	2.7266950925
2.4024181802	1.5568045977
2.524972178	6.6078176253
0.9596336562	1.0045392567
7.8023184333	3.009051026
1.2551622206	3.1533526553
0	0
11.8529351124	6.7068040936
20.2076878908	5.7690810093
5.9554964756	12.468362201
133.2985212034	76.3677643934
0	1.9826082084
12.5683701081	11.960455463
6.8528136933	11.9558130844
0	0
0	0
0	0
0	0
1.8681821162	3.9112056194
13.771866318	7.0233325843
0	0
2.7658443573	0
7.8297347229	8.1961234352
0	18.8458666665
2.0922383827	4.6931650342
33.2173114845	15.8483257483
61.2651636841	42.1165621891
0	4.990099305
2.6239282852	2.9183833714
2.2463303885	8.6219699522
1.5413685663	4.5177892906
6.3721205371	0.7847412808
0.7508727829	0.7860095177
1049.6059897651	999.3853110629
0	0
0	0
43.8592457245	22.9558091335

gene_expression_table

0.5747461629	0.6016411363
0	0
114.4713018251	42.7956899812
13.0320763073	20.7729025002
0	2.9905361237
0	0
3.5306790601	2.1740561808
188.0548085735	54.3047569365
113.0741168105	56.4300002244
0	0
150.1577112034	136.8085311907
1.9079192918	2.2825136772
9.6524346461	8.7262817706
8.7165341921	4.9423943095
0	0
11.2389317169	7.3530326131
9.7031223419	8.5945329773
0	0
23.0296146173	12.0536372398
6.3553545472	4.5935657112
23.1395330891	19.9478065574
2.2417150318	2.9332687756
9.7970428623	2.0510981646
3.7257413751	2.3400514024
4.8011053976	8.4303252819
9.7498018283	2.5515097919
0	33.0348790521
0	8.6849216373
93.2691428788	66.3908670791
415.1902873926	342.0071698053
0	0
95.4208731996	32.1062295778
90.2719145049	32.4830501213
13.3456159747	9.604455937
0.7784915904	1.280589725
14.1987249554	6.6884163913
21.5758721135	21.0798044676
0	0
79.5268294039	102.4027140605
0	0
5.0446823577	3.7719613351
2.7078202977	2.8851480938
3.3567268229	6.9637191839
0.5011476334	0
4.3917672784	1.6717374325
2.4933483485	4.6705681868
1.2360311135	0.8779836225
3.5066218376	2.53453961
0	0

gene_expression_table

8.5679230858	8.5789047553
1.967228582	0
70.7053600685	26.2037085372
20.7938322013	30.6426806299
786.4595243971	1050.2147005961
0.035485488	0
0.3094644372	1.2957827134
2.0384090216	1.8967070242
0	0
1.6941072329	2.2106544922
0.2925036837	0.1749664311
2.2607260252	14.0745402919
0	0
3.5488250312	3.5291460801
0.2937139277	0.7515643209
2.3649054715	1.5324957751
74.759584594	30.8559813827
0	0.0958244934
35.6006635995	21.4282833388
1.1407670172	4.7765946685
28.2879959315	27.8698534083
0	0
11.641599211	5.1557686691
0.194868174	0.1359912917
41.738771476	15.9998570888
0.4239550917	0.8241886131
2.4607473147	2.0034753004
0.3085960308	0.1076788784
26.5612093997	14.5397736507
8.584521078	5.86058456
0	0
0	0
0	6.6099832776
0.8567868853	2.0179795951
0	0
0	0
1.0337290286	0.5410509434
0.2321377226	0.2430004969
0	0
0.5765864769	0.4526756751
0.6128933452	0
1.5864549643	1.6606923697
0.2852693129	0.1706390599
8.3620679619	6.3386450363
1.0924842495	5.1462293866
0	0.2489019554
1.596029829	0
0	0
2.5549248037	1.6046887768

gene_expression_table

1.6310960949	1.3659379686
16.1147525908	8.1887547444
0	0
0.444299722	0.2325452581
5.6423224889	8.5313977465
3.9818464314	3.8475461919
5.1260885207	6.1512240381
0	0
0	0
1.0000450055	2.0936832717
1.206610212	0.421024321
0	0
2.6461119447	1.4426747367
1.5225561805	1.8594373849
0.4107577739	0.4299789886
17.8414003238	4.0020600356
1.1110466943	0
0	0
0.5958785594	1.8712872394
0	0
4.920983937	4.047417817
31.7629261622	31.4680469781
4.4614918463	4.6702652352
3.0996931798	2.0648357213
18.8384953782	9.3904922901
196.6071024858	86.9247963146
39.3085368891	24.4316019484
1.6394095254	0.8580624572
0	0.2485214415
0.5594214197	1.1711985579
0.3375758557	0.3533725573
17.14679127	11.8201832858
3.0955991756	1.5497834318
2.582751027	3.9842668274
1.1384399038	0.5958563288
5.4116738671	6.6090623336
65.5099866896	57.7762047502
6.2750414953	4.5827993563
37.7774284082	9.6788963782
1.7648066863	0.8210622115
389.652021193	64.6155409413
9.7700342121	15.3408274741
29.257424833	22.7021698174
129.6805768256	141.5833984424
0	0.0533398837
1.6808060935	2.1113503382
49.710659517	37.3307809587
7.6489387419	5.7191908516
9.5529420568	13.7499552253

gene_expression_table

8.1658638552	8.9041474691
1.413743267	2.9597974214
0.259231178	1.3568088883
9.186094717	17.5834581028
0	0
4.3851475503	4.9434521706
3824.7891436318	1895.7119852094
5.5284623628	8.7879159003
0	7.586828097
6.131130298	4.4432540474
0	0
441.0178353811	227.0681216246
14.8695045369	6.809825719
2.6778134261	1.1212481727
6.1187378723	0
0	0
0	0.0349241424
7.5065221115	2.9466698412
29.3854955467	31.6150362738
14.9866299401	18.825506592
2.9942759801	5.2239861673
7.6605610032	8.9624489954
0.1150110091	0.3009822364
0.2978077004	0.4156579602
5.4392371666	5.6937636827
7.4053769979	2.4479709765
10.6529898741	9.4994186582
0.2687578743	0.1406671356
2.0736567758	0.4341385117
0.0844368939	0
13.4055680024	5.2954245966
0	0
3.2957699978	3.4499939872
0	0
0.1897744698	0
0	0
126.2418187679	167.9244545047
0.7126403202	0.5594909888
0	0
0	0
12.8030959611	7.942050813
1.6006390735	0.8377701088
18.8725409091	3.5919404517
0.9115932359	0
2.9356179344	4.0973183725
60.3916036722	37.1868235539
3.4601660532	2.8976663023
0.7492482395	0.5228726363
3.5057146727	3.6697629234

gene_expression_table

4.5918744992	3.6050618117
0.6889693244	0
1.4805171454	1.9925964527
2.9487893361	1.5433882652
21.3923300205	8.7973969006
15.391234146	13.1139787663
0	0
17.0342243226	8.1051512489
0.700374839	0.6284130398
0	4.7938277138
0	0.1003681274
6.4101267079	9.4730619364
0	0
0.5163093784	0.5404698302
11.4540001492	11.5288313829
0	0.5422516369
0.79863526	1.1802452006
37.9079366629	41.6462670895
5.1760602964	5.418271576
568.5876608274	384.8346651604
1741.1753688424	532.6250932564
38.2009900734	12.8852114421
0.4502785482	0.3142327458
47.1838532721	21.9519107749
0.8021163854	0.5877557281
38.0398676045	42.8064194996
6.032976095	1.2630572684
40.4188167546	19.2319073
1.0093074638	0.2881465982
3.0618288175	1.6025528204
5.4751352108	6.1898488835
177.5433386774	45.4303409425
6.8950501331	53.4109853613
0	5.516270844
18.8367142564	9.2791385132
7.3941691516	3.4056773433
1.9826524702	0.8647623956
33.495417392	9.6725019358
3.7123337287	5.9785394151
1.0435495211	1.4565092327
2.98219272	1.248697204
0	0.2450727222
2.3931264739	2.2773742627
2.772857772	5.2247021987
0	0
5.5458105619	0
0	0
0.6000764432	0.4187711566
0	0

gene_expression_table

24.9599964101	6.7932767683
24.7371416485	11.1615105285
0.5917637285	0.4424678791
1.3228167513	0.5035335753
0.9824797648	0.342818146
9.1774996015	8.1659128807
0	0.6719306366
20.8285125359	36.2849851138
2.6413157032	1.2567794615
0.6206735061	1.786723476
0.1398988769	0.1464453783
2.2754515557	0.7329016089
6.4651768379	10.3771579598
3808.2998839251	4504.4995184852
1.219965451	2.5541063079
0	0
9.4576037303	4.4000745771
0.3246063616	0.6795923237
1.4887175971	6.4561516344
13.5766334838	2.243991409
2.5381075772	1.5182154937
18.9453458265	2.4789855342
0	0.2486650949
29.9435512254	39.4048228675
2.4475215872	0.9150186413
0	0
12.7821766565	6.3715773969
0	0.6778814461
7.678442027	11.3259219615
0.0803474312	0.252321753
0	0
4.6203323556	5.2395834948
0.1563299848	0
18.287075336	12.7618735522
0.2137130476	0
0.9113545351	0
0.3726556373	1.5603755224
0	0
32.8696779225	18.3391821372
0	0
0.9164247833	0.4796542226
4695.8621475293	6932.5856026281
96.7695167854	154.8945200297
0	0
0	0
6.7636499801	5.6641214111
109.9065253818	83.6723992447
0	0
271.4642806409	117.010073985

gene_expression_table

9.9559029685	8.8696040107
5.2814298942	3.685714596
1.3907417438	1.4558208422
0	3.3593867025
102.1613572161	24.507530056
0	1.1141617928
2.3287799398	1.2905756944
31.9533112675	20.6772862397
0.5338807703	0
7.3480416219	4.6151338408
34.1796445033	26.8342985331
1.9748702468	0
2.109222165	3.3118833195
3.4692522342	3.6315942423
0	0.4940908522
6.7386793917	3.5270063443
0	0
6.4019231299	0
0.3783886669	0
0	0
92.80443138	56.6691828531
62.1951313238	81.3819036397
242.6480655195	153.5830075503
0	7.3458589227
12.5591709553	31.2238195432
14.0466324366	66.1677206415
0	0
43.2106801685	66.1093357302
697.1900802083	390.8486620829
10.671278961	4.4682545538
0	0
14.4531521686	9.0776883299
0	0
0	0
0	0
1.9901699056	6.2498968792
0	0
60.4509462755	14.0621599008
4.6687037855	7.3307603378
0	0
2.6101921949	5.4646697943
0	0
8.9580028806	4.9878661514
4.5180538241	2.0562930452
1.1802701984	0.2059167302
3.003680516	7.0140656303
7.9298003376	6.9173929772
6.7987563037	12.1250903732
4.0724159074	0.58799761

gene_expression_table

0.5829993398	1.4646732398
0	0.1114770296
1.1992813285	0
0.6504619179	0.2553374902
0	0
0	0
11.3881606334	19.1773641376
2.362530619	1.3316606776
17.3881941148	0
0	0
0	0
4.9750876544	2.7633725997
0	0
1.342763646	0.8433585793
0	0
0.8056281089	0.6324953198
2.5004923517	1.4396259361
2.8410404473	1.8783066845
2.2083730194	9.2468511376
2.3997718968	3.1400851017
10.0483981271	4.5288451705
24.8800516429	38.0315798183
0	0
742.2053521626	488.4097452031
3303.2647304085	4386.4584204849
4.3022473415	1.385713526
5.2806639978	3.070983421
0.2962672057	0.1772176507
0	0
0	0
42.5909242715	16.9111520505
0	0
1.4868405988	1.5564165974
0	0
6.563900176	10.9936876204
2.2017134508	0.3841235974
0	0
2.477320822	2.8813843017
0.8865938618	1.1136979199
0	0
19.0230211082	23.7061837296
0	0
161.3163386227	67.5460239842
0	0
0.0253783239	0.0531317809
0	0
1.0734983863	0.3745774109
14.4867029739	20.2194684655
0.1460510389	0

gene_expression_table

0.9394454525	0.2458515889
0	0
19.8522024953	14.9536510801
0	0.3784854481
10.2433471383	5.8081181684
14.2961313811	4.8416538983
0	0.5137178465
0	0
4.9126970573	1.7141947931
22.8464858112	8.6503148132
3362.2431676625	729.4461632098
2.1079858902	1.1033140437
0.6037927799	0.6320469758
5.0753623433	9.2975076428
0.2588745729	1.0839539415
0	0
6.6609887673	3.2373187639
96.2679436384	36.344272754
2.4990058479	0
0.3500051184	0.5495751622
12.2575574393	8.5540960063
15.855845667	14.938031181
1.3057981017	4.1007069083
0.6260274514	3.2766105409
0	0
0	0
2.0748797016	1.0859863552
2.5602484058	0.3828648589
2.8494738551	4.4742204432
0	0
4.7503991181	5.5464639144
0	1.8020835167
18.7503610941	10.468146839
0.5838658842	0.1222375221
28.007561467	21.4248106809
3.0456090014	4.1445648738
9.3766290106	4.6740018597
66.3103978736	21.1258056442
7.6223062156	0.797898841
7.0903944472	6.9273736774
0	0
0	0
0	0
0	0.0176415815
11.5949159794	24.2749891154
8.8103320235	0
0	0
0.5986212298	0.4308104801
4.6650702388	4.8833699817

gene_expression_table

0.7304657264	0.9080189332
28.0486337475	67.5306593124
22.618848124	16.169854102
1.5035360156	1.0492621789
0	0
0	0
1.538701433	0
3.1645893726	2.0244123943
0.084647109	0.0886081302
10.8118992383	17.6841201885
13.2763416863	22.1098210149
0	0.9167086581
13.7510436776	10.5559792991
0	0
19.8735944893	11.4419634399
5.492854391	24.3264572678
0	0
26.0473095585	1.2983895724
100.7973179236	61.4532556601
0	0
7.9703300277	7.7015056895
76.0677128845	159.2545306567
0	0
103.2201647982	103.5482073432
0	1.1833056604
7.8212210571	0
4.1761728038	5.8287930984
0	0
24.3249089353	19.5333994908
0	68.8085411865
0.6426411962	2.4666153796
16.6087716913	13.6604059922
151.4363767641	255.3977960887
76.6443598639	40.8192279059
1.2312733156	1.5037051922
22.2512305302	13.4578694059
2.248410902	2.3536242207
78.2842074969	93.6542625736
0.0421525803	0
0	0
2.1807773276	0.8057032113
1.937342572	2.781256589
1.866991122	1.3371910045
1.5533716732	2.9811117633
0	0
1.1484009811	1.1096675619
3.8119471987	1.2277924476
0.7522222483	0.7874221306
11.5167480065	17.7662486867

gene_expression_table

4.2166386908	1.4713180976
0	0
0	0
2284.4931887567	3024.3362099352
0.3354592062	0.7901029354
17.8803640342	19.6936097993
0.6164417488	2.5811513888
0	0
44.2705868332	26.4812616499
8.635644668	9.0397455528
2.896389967	5.5585294561
120.2969658975	66.4131356187
6.1547702674	4.0999507912
3.0104281385	17.3321483023
0.162645713	0
0	0
1.591415756	1.9990623593
95.2229945061	67.4594638308
7.7874845648	11.0632877013
4.8526881714	5.0797674063
4.4624144681	4.6712310307
1.747512382	2.1951436713
19.3473540614	19.1275540539
0.2259744156	2.6020365901
2.7531272135	4.1170835599
1.5455194691	0.9707047905
6.1348148141	5.2782662099
0	0
32.6579627642	10.683180187
5.0483856801	4.3111393971
0.7361187594	0
0.2810552674	0.2942071149
0.5803928684	0.8968625894
0.1584854791	0.5530057725
5.168511028	12.8496264776
11.8950474282	24.013935993
0	0
0.8490148027	0.4443720233
15.2729702545	11.0683811306
0	0
0.1251993559	0.4368600007
2.4536175974	2.7660052709
91.7710596082	82.5177520568
2840.9567131164	3391.7183017492
1.8308279841	2.395625886
0.0421125452	0
50.2190719036	45.7451824866
6.6014654622	7.8635334708
14.8832643667	7.7898598218

gene_expression_table

0	0.0646309476
2.1733296785	4.8533964951
0	0
2.787368994	2.5009736574
16.9232448305	24.6746871749
0	0.0955963116
2.0310163759	1.5462231427
14.1638636428	12.8927433957
0	0
3.12207604	2.995824428
1.3522881524	0.6434399242
5.3222038761	9.0201253215
78.6725220182	78.4323478729
9.0103674908	4.904641743
1.4591573788	1.33650821
0.4055698398	0
13.6712803449	30.4740573471
48.3377758725	77.6530342674
0.1473367837	0
17.7163724855	2.2775054731
1.8944748752	1.2966592592
10.6927604285	6.6682435292
0.4829535034	0.5055530829
54.3892380438	66.0438536196
11.2590651146	5.5983156629
3.1275563654	3.4103217479
7.981532408	14.5185670262
0	1.5022422846
0	0.1383087047
3.7047182494	2.2160450159
0.8422618617	8.8167510489
1.4601282635	0
0.1923331076	0
25.6129786323	20.982933223
74.7778427104	44.7297350246
3.2211361386	2.8098897268
0	0
7.3091865064	2.5504054708
1.2499275311	0.8722781969
4.8264208572	2.2454537447
0	0
0	0
0	0
3.9839027524	3.4120862074
12.3804976669	14.399819074
0	0.5406710647
8.8839736282	6.642639249
0	0
0	0

gene_expression_table

32.3565674277	32.661010553
2709.3236144307	3605.9050866286
0.0358524033	0.0750601989
100.3022414982	80.2909343154
0	0
1283.6403963681	1430.3985599873
1.2330713655	0
0	1.0512806169
3.0457427399	1.0627556076
67.5026719832	25.2067080241
0.2033116818	0.1418837035
1.9076969659	1.7573307295
9.1411275778	3.1896274317
47.9655296923	32.1859319488
10.4332961474	18.3199644667
12.8102956318	1.2190679384
0	0
77.0740869359	10.9663131111
0.2799429474	0.5860854888
0.8252016812	0.8638166014
12.6513287343	8.1982591136
4.7576614026	11.795432933
0.4478006187	0.8854265563
2.0329820271	2.1281144541
0	0
2.0420097442	3.5626076981
3.8430794715	1.7879620211
0	1.4515797396
0	0
2.7600190445	3.6114660287
5.3638451147	2.8074218478
81.3080853842	109.99200184
3.0048715985	3.700568395
43.0541677902	63.0964139313
0	0
19.9212969871	5.004841105
20.4327387657	14.879220214
3.2804422159	3.4339489491
0.2522886042	0.2640943295
391.7605030955	282.508338546
0.8077793725	1.05697378
1.6726175608	1.3618009254
29.957148953	17.1871329894
0	0
1.9198796294	4.5675442807
0	1.7392282053
7.3197927057	5.1082126159
0	0.3024815587
0	0

gene_expression_table

6.8634697508	0
0.3287438893	0
0.2500820779	0
0	0
0	1.297693385
11.1045068939	5.547883574
14.0159084498	17.493271646
3.2890423266	1.8362407989
4.4281661575	4.0173294084
1.7707681152	0.5296086763
5.9830172541	8.8725687427
11.734605418	5.0737107227
29.5525694548	9.3743842079
0	0
13.0444719337	11.5807225337
20.1924301867	7.1651950349
3.052444676	3.6923262974
47.2962635829	16.144392307
0	15.796165166
2.8333441303	4.4488936819
27.6199950967	21.0272433674
0	0
0	0
0	0
49.1679012347	29.2435737426
1881.2816889468	628.5984330821
5.1253230251	5.3651600783
38.0622334721	31.8746700669
32.7798381113	35.6863052462
0.7241190905	5.3060272923
3.1093298122	3.7973009921
116.8250444144	134.9974601056
17.6874990954	0
14.9070264099	22.5399685628
0	0.6404334911
6.5824545847	8.4216946198
7.1865282737	16.2029935761
25.3929103236	13.4546609736
3.0774760138	1.6107425201
0	0
26.9241156684	16.5041540142
0	0
0	0
102.7044661904	70.7305742341
69.6434299041	179.451965739
104.3940579674	134.257214715
3.5037478685	5.7635349884
96.7735803411	123.4043203323
16.3183744466	9.1979919324

gene_expression_table

97.4943474236	66.5586189388
0	0
0	0
0	0
5.7261687719	1.9980407053
7.9686453596	5.9197985561
23.3087782127	32.5326685368
6416.1664618088	3637.4575939978
117.3422393824	154.5011515593
22.7357457349	51.5659173091
2.7425964535	17.2256097006
9.2586165173	12.1148363419
2.9022765866	2.2785654293
130.6294974993	107.4403335521
11.5973211554	27.3150276361
3.9501020038	3.1012088612
10.8910240056	5.7003321469
25.90486062	0
2.600016334	2.9938511478
0	0
161.7554822589	35.6473164451
1.8487619	9.6763691687
8.0949218797	1.8157971212
0	2.7677482667
0	0
3.8271050114	1.6024770281
2.5948849721	3.9509983711
20.9993813495	12.963765653
0	0.4978221957
86.2040202952	87.1262448224
0	0
173.0203961679	83.5923707593
26.8069083565	10.2041181392
10.7179216373	123.4140785073
0	1.2968986558
25.5823934753	6.6948773525
179.8229074703	50.8750364581
69.6650488989	135.2150888269
3.2874388934	3.4412730328
95.2270370184	142.4044870318
71.9291629881	15.0590107916
98.6003757347	24.9138046185
0	0
0	2.0155121219
4.8798618038	11.0677940011
15.04654302	44.101788763
28.5326442562	26.2474744671
167.2469723408	150.6443941842
53.613816713	48.469561161

gene_expression_table

2.5067792375	0.6174312423
3.1128463418	2.3461275641
9.276212609	4.5996103733
41.8094594635	15.9148775393
12.2867155119	33.4403329528
6.4652198831	30.4549054759
100.4728546885	130.0841685355
41.9344108109	10.9741779048
0	0
35.5453288968	28.6220428122
2992.1288966542	4112.7687140338
25.8016128694	2.2507489226
7.1288247695	7.0359910347
21.9174734867	13.5572811836
3.183332351	0
47.5190293467	57.7656693559
3.3198075225	6.950312673
83.5194331203	48.2600822681
8.4083967644	0
0.554958223	0.3872848194
72.9011787042	68.8674274006
25.8767546154	55.4651779384
9.6202812251	8.6318208936
4.7391102994	3.6079088813
10.5788058368	6.3279062996
247.0849110278	99.7638937393
4.950240087	3.374250188
150.9355250392	92.8241076715
25.1131991467	32.1302169907
767.0498913868	470.1922135507
2.3114951447	0.5377023246
0	0
0	8.0481649124
6.651786108	1.949654917
0.8780951351	0.6893888844
0	1.7214057816
6.2751128384	2.8559798952
6.1632045974	5.9139747563
89.1442520795	270.7773925291
5.2934396872	4.7495517254
0	0
4.0393504898	0
21.1755661176	13.2998799973
59.816904466	25.0464032238
0.9350389216	0.6228686693
0	0
5.7520655581	4.9740601683
2.8208185324	4.2950071184
0.6438836555	1.2517400719

gene_expression_table

0	4.2520893871
0	0
2.8309280284	2.963399959
14.416704733	28.8107162774
5.8126605763	2.3662571579
57.6099569596	23.3441758042
0.9567168653	0.500742988
2.3280658128	1.5596841889
4.2471111946	7.754394319
0	0
0	0
2.5448860846	0.8879909395
11.8434406676	3.0994122101
9.8916096432	12.1710587435
124.832871649	57.1700353449
1.5766255891	0
1.0093904433	0
0	0
0	2.0596805131
0	0
0	0.0337882348
1.4731952867	1.0127439017
0.033925721	0
0	0
40.1838899375	22.1390926075
1.5146415687	2.6831851547
26.4484739854	16.3599786679
0	0
0.1881473839	0.0984758256
0.0236156111	0
0.9895764888	1.4502365499
0.1323005499	0
6.2690043664	0
1.056354924	1.4334270096
2.0882660222	2.1859854375
2.9813137464	7.281920112
20.1953663046	8.588287039
57.3902896182	33.6424709174
0.3040818547	0.6820954724
0.1414054134	0.1480224125
1.1830529639	1.7499319283
5.7843832672	3.8124456454
9.5537554146	2.5002047138
5.1676836149	5.1743071329
2.6103588419	2.3909456745
0.5103249169	0
18.0917345735	7.9494219183
0	0
0	0

gene_expression_table

0	0
4.3419043005	7.7826740533
0	0.0151879668
13.7317924109	5.9893187939
0	0
0	0.0838309028
4.958504143	3.4603566573
4.3562566527	5.1549019948
43.141809862	14.3692851065
0	0
0.6406104329	0.3352937467
0.6427347765	0.8970816595
14.1099055556	29.5403437499
0.5075282762	0.5312778205
0	0
0	0.8862412189
0.5265378308	0.4133826887
9.5091597879	11.0601515525
0	0
21.3116429712	15.6162378172
14.7261707664	13.4883655578
11.9580395944	1.0653285421
1.8370104055	0.9614862168
0	0
4.081911569	1.6434317998
2.76281393	1.8404263142
12.3796427192	17.0086116533
55.4540858567	43.7600405844
0	0.3072765832
0	0.1996980862
0	0
23.6537540821	37.1409303807
0	0
0.5136357002	1.6130131155
164.9644108868	62.4601130751
1121.7305655469	1580.8745805116
6.4254918933	5.5032297793
735.9004952247	1047.1763276929
0	3.4528456416
2.0898390193	6.9275014671
21.1181101195	9.6715158916
3.4292417879	0.5128159323
0.3079730672	0.886557431
0.1511879162	0.6330507311
1.3468292688	1.8798046717
31.0336753065	30.4969498685
6.0271930968	1.920201266
0.7656835451	0.1001891678
1.1061487029	2.7017909458

gene_expression_table

0.1536116411	0
0	0
0	0
0	0
0	0
0	0
2.0545412484	3.6868843352
0	0
0	0
15.6335378053	22.209780975
0.2110583743	0.1104673753
0.3950511795	0
22.52593708	12.652697732
3.5599097427	1.4905976104
24.8459975779	9.7532453313
26.2090067568	35.2741432655
0	5.2466358441
0.3067855316	0
0.8932833819	0.4675420765
0	0.1732141908
1.6763057685	0.3509495399
86.2354492594	29.5225245077
8.9579677153	6.5119108013
0.5252860004	1.6495995268
0	1.0986632387
2.0429262399	2.1385240016
0	0
0.0777350188	0.061029444
0	0
1.6647985536	6.9708080403
1.0342244734	0.2706551289
8.3896296432	8.2943173513
11.3039117652	1.97214549
33.9248992782	17.756199402
0	0
170.6398778967	71.0195345069
0.4258739454	0
1.4815305251	1.0545834681
0	0
12.4942981502	15.144062293
84.4707182375	96.7131870689
0	0
6.0845604869	0.9098978001
5.2046507456	2.5145538008
0.0626610384	0.3935593914
4.6608606141	3.6961843709
0	0
0	0
18.0729598046	16.6255025913

gene_expression_table

2.7996877533	4.8844963501
2.4776958729	3.6310938619
0.6303800289	1.6496959063
0.6491280953	2.3782630752
0	0.2313385834
0	0
0	0
50.0756400667	84.6766940263
20.490476901	3.5748865036
26.8288928606	24.1655932843
0	0
2.7831875531	2.1850691182
0.8803580206	0
29.7884440867	42.0962132151
1.2917538998	1.6902511364
0.9019037582	0
0	0.7871843106
1.0210979204	2.4940526611
2.2412493661	1.4076765385
0	0
1.9030709854	1.2677154553
0.1784960866	0.0622829087
2.8419938098	3.6615182257
0.0467083271	0
19.6865569316	2.6879713043
0	0.2429499676
0.7173070803	0.375436562
0	0.1301881744
3.0273621235	3.5085646043
5.0595128306	3.6843619667
0.4854247652	0
1.1252997964	1.1779576652
0	0.2624089952
0.6800454513	1.0678017821
0	0
0	0
0	0
0	0
9.2262277938	14.9259454997
1.3262363085	1.3882969057
14.4774283535	6.2402499465
0	0
2.6403559299	9.6736854543
2.3565916774	0
0.3158469653	0.1983761243
2.3423760426	1.5324915096
11.5733626039	13.4610362247
80.6514701279	40.8056667007
1.4830075756	1.9405052621

gene_expression_table

4.0465212332	2.1179381348
7.4776011721	5.6812586823
34.353949188	46.4868505539
13.5919803973	4.3632566009
0.2966961273	0.5590437866
0	1.2306688319
13.0909354453	15.8960826698
26.6500457255	17.0057798124
13.4766907606	6.0459968977
0.1323892943	0.8315063302
0.4135021761	0
2.3399545533	2.9393419364
0	0
13.4009678198	13.5270576015
131.2519085665	179.3460781919
5.7392324807	10.8140348427
3.0549799291	2.5583490094
1213.5361439765	1573.8514928181
0	0.6198597615
26.2842058342	47.6912154238
0.8044567886	2.5263028841
0	0
0	0
1.8845337403	8.5484516012
0.5267091922	0.1378390746
0	1.0230306244
0	0
1.4297084768	0.2494351675
1.4605411435	2.6500698842
3.7399618716	3.9149716085
0	0.2094011068
4.520687618	18.9289241794
36.8756795258	20.3382979686
0	0
0	0
1.3319557612	0.6971419988
0.3173532104	3.9864432356
8.8915899645	7.1597443752
0.3867066897	4.4528268989
0	0
161.7244075681	112.5235742341
7.3354332884	5.4847795715
38.0191518197	15.3765927063
0	0
0.8644223856	1.085847144
5.8355991607	24.4346929912
2.1752527421	2.8463033244
0	0
0	0

gene_expression_table

0	0
8.6969721489	12.6054592948
0.81075365	5.3043280087
0.6610850368	0.4070707039
0.877803421	0.9188798145
1.629213282	0.7579784634
0	0.4863044218
0.9011504699	0
9.2732053702	0
1.310544664	0
1.1502694901	0.7224574823
0.8387262475	3.219238159
1.070138528	0
0	0.6773506778
0	0
3.3746212079	2.7888434228
8.6242715976	2.5793829386
21.840838964	18.3897002934
0	0
0	0.8623692243
0.0252004579	0
9.3392444862	16.4419086193
1.0262725581	0.2685741236
0.3866235469	0.1349051373
1.1351306144	1.0562208992
52.7229466929	45.3347183517
44.745868026	25.7957931337
0.6312128852	1.8996568019
1.9017419453	0.4976832638
0.6864634235	2.6348158939
1.6235014641	0.9151005462
0.2759948443	0
0	0.6089278311
1.3610726905	2.6120663062
21.0495042189	11.7326589095
68.7221302434	11.9896582736
0.4439234485	0.4646966351
2.3602248319	8.235568101
0	0
2.7278960478	0.5711093292
0	0
19.6376017203	12.6142367436
1.7189352292	2.3991626476
1.4843337236	5.8267215534
0	0
0	0
0.1559541282	0.3265038548
31.145378842	15.6976502371
0	0

gene_expression_table

2.0574978707	2.0404207942
0	2.7997665081
426.8949444634	407.1493978678
2.496962381	2.9405323664
53.6955874721	39.0411961562
4.1139992558	5.167814273
75.0558272558	30.5542334973
0	0
10.8598427612	18.9467065632
0	0.144792818
0	0
0	0
0.7003207197	0.8247283815
0	0
97.3078318642	12.346824918
9.9818410765	9.3048924306
80.7952680658	30.2057300735
4.9715528381	1.7347314295
0	0
1.4821926616	0.3878877906
4.0533983937	2.4246144249
8.5007192622	7.5295053958
0.2682062243	1.0027028822
259.5986375098	142.9104743451
6.5026364315	2.0944382186
0.8731151096	1.5232868599
14.7550881366	9.5049510572
0	0
4.7335658591	7.4326062331
4.759084985	13.2847576087
0.4839018955	0.5455109203
0	0
7.742603762	4.5810390388
32.6080252447	10.971611446
0.2074480763	0
0	0
106.72189621	19.7145699851
0.56767458	1.3073250124
166.5652607685	157.2562086296
44.0275115249	12.9991112267
9.1702193797	5.7596012604
0.2502359741	0.104778259
12.0361154019	12.5993396973
0	0
9.9978759366	3.5975918638
0.1793545927	0
3.5241613195	1.359132074
1.6733967742	2.7735290856
0	0

gene_expression_table

4.6319581203	5.8184500769
0	0
0	0
43.5578887388	28.9669718697
16.4892816407	8.1020502824
2.0616639073	5.0356564749
0	0.6083010547
4.5446920861	0.4324871628
430.0113004724	47.2167980506
3.2011198482	3.3509147289
1.1272620974	1.4750147388
1.232537266	2.0965965494
0	0
1.4791180671	0.8445451055
4.4955726868	0
0.6025788098	0.4205174657
3.5007258809	2.1556121667
0	0.0189207005
0	0.037102207
4.6369282837	4.4732122245
0.5879020532	0.6154126502
2.2873755353	0.9209277637
1.1855586896	0.6205181723
10.2544347678	1.3417857707
3.7674788563	0.3585251125
9.6236491853	4.8843555256
19.0206789223	5.3095313455
19.0024207004	2.093855783
27.9120471167	33.5149689805
2.6130720388	1.7406769558
0	0.0699779721
10.9769810331	12.5352476068
4.8339491255	7.4697474165
48.0239218763	67.0282379448
1.3746230225	2.3546419413
4.0286418999	1.4057200938
2.1100471541	4.618370324
0	0
0.1280004878	0.0669951049
12.0267983693	5.87514045
0.4747312098	1.4908380928
0.6551853803	7.5442891543
1.6912865223	2.9507157844
8.3165784544	0
7.4796676735	15.6593503293
3.9603319854	1.5546201889
47.1838532721	34.5742594705
16.7994521293	11.1066786324
80.5177197628	82.4532145062

gene_expression_table

6.1164254242	6.4026406427
38.2282962942	44.7250737349
7.8355111267	4.2963748368
21.5883437159	7.5328533306
105.6506988753	35.730554379
63.6068374775	26.7957139397
1.0463607469	0
96.3616800124	46.7450414857
0	0
0	0
67.3534076732	60.4330100138
1.0767928324	2.8884009047
0	0
0	0.550861791
1.1775536367	1.6435422654
25.6699719874	12.5398868546
2.5245895553	2.2651941624
0.4463140532	1.0278380355
69.3533976369	30.189582074
8.2471809274	0.5395689898
0.6021024274	1.2605550483
0	0
2.6447786367	0.6921349487
37.4507212252	25.7621093708
0	0
0	0
135.5920437296	203.5323146825
8.6679692365	12.0981103122
4.4770396837	3.8863995437
16.600829875	7.3169085528
1.9940114591	7.6535076819
0.1755268869	0.3445135952
0	0
0	0
0	0
0.3391771048	0.3550487361
0	0
0	0
0.5334804049	0.1396110917
0	0
1.85547388	4.3701747697
6.5496000293	0
4.2219458194	2.0088680754
0.3507066911	2.2027070632
9.7032872128	5.88056985
360.2175888911	32.3206113969
1.1167418141	0.5844996081
4.5158298668	3.4196375157
7.2599310469	5.8458892825

gene_expression_table

0	0
7.4456753082	6.6806504081
0	0
70.8834138577	14.4278496239
0.9565613613	2.0026463905
1.9417767164	0.6775470781
11.9545440038	5.631278042
5.4400207302	0
2.2759192339	3.8118716671
6.476215155	4.8423332592
0	0
1.1274163478	1.1801732595
32.0381305995	10.0612019047
5.0781492539	7.5939697613
8.0624684518	11.2529971043
8.9021241322	2.8672907067
6.6277369955	4.5643939446
3.8730011929	4.8144057744
53.9993716302	28.2631232708
0.7015502047	5.14065239
10.9519240579	13.8779750056
0.6304340517	0.8579153873
12.7351329632	5.0658056321
2.0321779119	1.2763636264
10.6675479585	4.8551003441
2.629096645	1.7200774825
2.2812124424	2.8655528323
1498.2599855352	2073.2362326822
0.3875447294	0.8113594014
1.7289186472	0.3619645146
0	0
0	0
71.8807040865	97.6485373024
1.3671742306	3.1485310966
3.97427967	3.7442287772
0	0
714.3779193248	578.6600967607
10.3280546728	15.1358915104
0	0
8.9305061343	9.0887270067
0	0
7.3992293126	6.9301598101
1.2321325978	0
25.3616828005	6.9256880046
2.252792549	2.3582109049
0	0.964716539
9.6608446674	3.3709730995
9.6262649427	31.4393708682
33.2919756695	52.2747867541

gene_expression_table

13.8358314826	6.3995855833
1.1454228795	0.3996741328
3.6425977205	11.4391540449
0.4403466839	1.3828574925
55.8043203933	14.3922633246
125.7363281979	150.4229712812
42.1672475914	44.8523865294
0	0
17.3520730924	6.4331028477
9.197895241	8.4056642947
17.2177184965	29.2103597199
15.4852880491	4.0524786845
11.8279840996	3.5375625685
0.8557612498	0.597204127
3.1337131711	4.9205306827
9.9032196798	11.5184845938
1.4109527056	0.7952956126
0	0
3.1128516638	0.3620573419
1.3062388354	1.2430578731
15.3955876478	5.7557203032
6.7329790208	2.8192182287
5.2481756538	4.5127326913
316.1537629012	468.843039471
39.2402261814	10.6003752004
0.6284503025	1.5350027827
2.2922112005	4.4990140001
0	1.3145086236
1.1014361132	1.2682750214
125.4361376631	127.2025538735
0	0
3.8157957417	0
18.7273845512	18.0957448651
2.5615798785	1.0725791162
0	0
0.9182744057	1.2358859397
22.7304236971	0
3.3130116013	3.4680424034
0.0359902545	0.1130232042
0	0
0	0
0	0
0.1331895473	0
10.9652757467	14.7066879687
1139.8943626081	708.2839821472
1738.8637691152	1510.0816268736
542.1920615326	785.259339695
282.6453202799	219.164128597
1.1167913537	1.3360583701

gene_expression_table

4.056647761	3.4245779544
0	0
15.6001696098	0
52.1169869225	29.0964141529
0.3823717707	0.8621085325
0	0
0.334514485	0
1.0966297379	2.0089055086
0	0
1.3040620178	2.9576841227
0.9045417881	0
0	0
2.6464004043	0
0.180408232	0.8813016304
27.7039864481	12.7124959197
0.9222738587	0
0	0
0.5934842693	0.2662526072
0	0
6.5851329197	4.8827407668
0.717134913	1.2511548337
0.1521744929	0
0.242799773	0
4.4045682476	4.3911218321
14.8494659225	15.5443396174
5.896437175	3.086179074
1.9426313375	4.5189685487
43.2006984914	79.1389456015
0.1396682776	0
5.6369963725	8.2097766075
16.2830122854	4.5890298732
6.8612314682	4.972361214
58.8457837372	29.259735994
0.1082980572	0.6801948798
45.2213123528	22.9924621898
12.8320460797	17.4125201867
1.7775990502	2.0468590475
1.8687753439	0.4890559493
0.1257649429	1.1848504819
0.3565006867	2.9357060049
30.0450197427	15.7254810755
0.092964832	0.0973150771
1.5953533119	1.6700071113
3.9404298102	3.7498366809
0.5358694658	0.2804726113
5.0975892651	2.052357127
1.3931480578	1.8958416861
9.2845840802	10.798946418
4.5875386031	5.1764084945

gene_expression_table

0.1878700061	0.4916532341
1.9653850754	0.7200740173
0.0379529803	0
0.2868942218	0.2252394754
0	0
0.1134187498	0.2374522526
2.3705964073	1.5952675748
12.0446998306	8.4055505535
1.3699163823	1.9120279571
0	58.8242609047
2.6005455285	0
0	0
0	1.085819306
0.4855558391	0
1.152406076	2.2403315446
0.939050258	0.3276642227
7.9963818076	10.7314983217
0	0
1623.4374817419	1846.8745359438
5.2116986922	7.2741035382
5.0498042938	6.4607980358
0.7059414919	1.8474392206
17.5687462254	10.7946395307
7.513201287	4.9154862298
0.3711458374	0.2590089536
2.1075349129	2.5213211505
0.5455555638	0.5710845769
0	0
0.318358283	0.4582265977
0	0
30.8711858433	14.5091294415
0	0
4.0017048735	2.9671819477
0.065058416	0.340513968
0	0
6.534321253	8.3601120877
0.6515322734	2.0460612489
0	0
25.0721327224	14.4349541864
0.1495408794	0
0	0
0.9599799316	0.502450868
0	0.7373300656
0.2415261228	0.1264141114
1.1461935343	1.5997721541
1.3155448612	1.3172310199
53.6401069237	42.9383654578
2.1918336998	3.2121593213
0.2366921386	0

gene_expression_table

7.1801515849	0
0.4922858579	0.1374192374
5.5190238534	3.3866836946
0.0833109151	0
1.6583486797	3.4719006348
0.1954880136	0
0	0
24.5876358456	13.1829818043
6.4753138812	5.3047746113
0	0.5683217478
5.0316729836	4.9379322447
0.5742015353	0.8014280307
1.2949580262	1.3555549711
7.6565637716	5.2096518705
101.7031197988	47.6104556643
42.2135557816	58.9185587282
0	0
15.6216811509	2.4226207837
7.9128610537	14.1996679253
22.4936980386	12.9020711997
4.0809586263	1.7087700577
0.0922610348	0.1352096844
2.5800437652	3.9064791172
1.2637216298	1.9842853236
0.6653946622	0.3482657445
3.4107212198	1.9835134983
0	0
0	0
0	0
17.113056149	13.2221299435
0	0.3307185246
0.4778993555	0
343.5111980619	253.3444290193
0.9299492433	0.6489771839
43.5609269178	34.5076084775
1.126435474	1.1791464862
3.4648886284	7.2540528875
0	0.044026245
13.9665959732	12.3709013905
2.5345360844	3.568013838
105.8440657486	0
0	0
0	0
0	0
0	0
0	0
14.4114529584	0
0.7200116415	0.8479172743
4.0436566184	1.8812789362

gene_expression_table

0.5032044547	0
0	0
0	0
14.8464917429	3.9371106532
2.5240270855	3.7744824749
13.8603248948	12.2767718664
3.1534815836	2.8884163476
0.3185117871	0.3334163947
53.4789315897	34.988407973
0	0
2.3900613865	7.0053288823
2.3470894146	6.449415912
0	0
0.544633665	1.1402390766
6.3404747002	9.9557612971
0	0
0	0
0.7157842869	0.5619593041
73.4645025494	134.4321582586
3.776323016	6.5883904257
0	0
1.5146241224	1.426950214
7.3048849417	1.4920416699
1.9941465916	1.0437308664
1.6185448997	1.2102028131
14.0289480359	7.692365993
5.2108240858	4.6612567211
0.8475500131	0.6900527766
8.5130393265	1.6202550823
0	0
123.6320526146	70.4423581728
623.1138336381	313.975068384
13.708157528	6.6229034951
0.4175292925	0
1.4337319357	0.5002742466
4.5359469976	4.7482044799
2.4728626371	0.8628596893
1.6486497306	1.9175527896
3.1785651285	5.8227830007
4.5845344869	11.6548735943
3.7545415253	1.3871412389
0.379079982	0.7936376989
1.6670507069	0.6980238207
170.4467821153	90.6738607315
5.0529794863	6.6117890725
1.6128303822	0.9647440073
0	0
0.3816288481	0.285347849
0.1227134373	0.0642278771

gene_expression_table

0	0
1.5375319848	0
2.5133823507	2.9598692427
4.8146152465	2.2399612786
0	4.4307425307
4.1359728271	14.5347960207
2.4612670781	1.2882204502
0	0
10.4251878848	8.7304236746
0.6922872972	0
5.3504960897	4.3562322295
0	0
0	1.0253628709
131.810700589	41.9935233654
154.7343006915	65.9898224313
0.2769322931	1.014619228
0	0
15.5242797816	24.3760966051
0	0
0.9327508751	0.5284038988
0.0107458038	0
1.3537483624	1.2146540341
0	0
1.1967638304	0.7046807764
0.0837019328	0.2628561749
0.2074808768	0.0482644102
2.7492843936	1.7638961656
0.8595056519	0.089972581
24.1923497593	8.4414730865
5.5414142358	8.8271857728
20.8990746428	16.1699837959
2.7982355494	1.9527851006
0.2917782046	0.9162954806
9.9846145181	3.1355519416
6.7328056245	2.3492880204
5898.7302789827	2374.3327944885
0	0
2.1975506681	2.4049469157
0	0
4.6260736534	2.8696584117
5.3028639484	1.8990293758
1.4995771728	3.1394983466
53.8665068881	30.9219934119
28.5241540175	5.6874149024
0	0.2515574368
1.6364342175	1.7130103784
4.3642413498	0.761410658
4.3691583712	4.7565555014
0	0

gene_expression_table

0.4833624285	0
4.7784245942	6.131519052
0	0
4.3408855738	4.5440152496
0.9298112217	0.6083258097
0	0
0.1782464169	0.3109789554
16.3689343425	28.2222060885
0	0
1.3664098299	2.7017728418
0.1770626968	0
0	0
15.3076118937	13.4153784932
0	0
1516.1858925417	1938.6940456999
68.5367503237	73.7094811197
2.880670493	0.9522537153
1.7629559637	0.9227263248
14.1726373688	11.412183995
12.8841171638	3.3717558246
128.0273626007	47.7325602139
0	0
0	0
0.1078024717	0
1.1114154748	1.1634236333
8.6035510533	2.4562227635
9.4477884836	9.8898932519
0.4144472544	1.3015233496
0.9942800245	0.3469356284
12.5524740296	13.961102399
0.6209409517	0.8249969389
0.3123371482	0.3269528165
0.6082404417	0
0	0
0.2216842911	0.9282316083
3.0080780775	3.7786075924
1.1174812351	4.2404279876
0	0
0	0
0.5854174908	0.2042706079
54.4374816435	59.09540799
0.3604842747	0.2515686432
76.1654105864	56.949667677
26.7911077484	11.6853270386
23.6684312624	14.0038171824
159.8959364155	110.8315046578
1.7518251724	0.3667601996
0	0
0.9998374816	1.2076435396

gene_expression_table

1.090888737	0
0	0
1.0661086046	1.1159966497
0.5307842751	0.5128819133
0	0
0	0.3479796065
0	0
0	0
0	0
6.1945004774	2.9179661314
13.2193925662	0
0	2.1097617859
2.3910051359	2.2753555309
1.8948906609	0.9395816059
49.5607462022	108.9478272704
7.6477228109	6.4561244857
1.6302476937	1.4738251283
1.7022415643	0
2.2728972665	1.9466643379
2.6811672364	2.806631182
3.6565887195	1.4176655738
0	0
93.5050654594	44.2473902365
3.986445242	2.276175846
2.8537027414	2.2404303029
3.1923325016	2.2278107884
36.0897412026	23.2776884048
0.0369761673	0.6193031907
1.2919240425	2.1638064217
0	0.4320790416
1.0925948808	0
0	0.0959713307
12.3593917242	12.9377435814
0.33414752	0.0823020692
4.9850798313	2.1743142796
0.3525017789	0.4919959093
12.4981964899	3.4631586132
0	0
0	0
0.4925717838	0.9023375308
36.454058524	22.5734672093
6.6313817506	2.192113928
0	0
0.7963029754	0
0	0
28.138364407	11.7820343143
0	0.5050195892
1.7847443397	0.9341303011
3.995653535	1.0456570604

gene_expression_table

0.0475001517	0
0	0
0.0897668294	0
0.1723517006	0.4510420412
3392.9184411466	4722.2449194915
0.1502001083	0.4716859529
1.4188610906	0.7426280102
1.4312978699	1.4194182059
0.2994165188	0.940282717
0	0
0.2452576479	0.2567343629
2.3755723388	0.9946944466
3.9053648516	5.2905011724
1.9844642165	1.6816450803
0	0.6377573837
0	0
0	0
10.4839422636	10.9745333553
0	0
0	0
0	0
0	2.0272091828
2.7173615085	0
0	0
0	0
0.3014296935	0.3155349526
0	0
48.1668502152	56.7233944438
1.3260914161	1.3881452332
21.542466847	14.2424440021
2.4440893965	1.9493023979
0.1709415446	0
0.1263895983	0.0661519697
0	0
8.4775843057	4.0673823809
17.4162622247	13.6734359488
0.0188240828	0.0197049468
0	0
0	0
5.7116082566	4.1392247873
1.6808933786	0.4398874962
16.7072060621	27.3265809739
0.1353114532	0.1416432883
0	0
0	0
0.915240198	1.2318022642
1.8163302807	2.6326032817
0.2745496571	0.3831961037
0.2951141807	0.6178478169

gene_expression_table

3.1527290507	1.1550908275
11.9305400751	11.2994122116
0.7451053922	0
0	0.0137990755
1.2512240445	0.4365914928
490.4261112825	204.2461141089
7.3664368103	28.2742009628
0	0.1724647732
0	0
0.6800883167	0
2.2354117427	4.6800335438
0	0
0	0
186.7341153384	61.9454311631
2.133411768	4.466487514
27.5943080517	24.5527349863
0	0.3641554851
0.0119403264	0.0124990683
7.6822142528	6.1859229344
0.3643401352	0.1525557034
0	6.2560513813
0	0
72.3471688526	60.5860961665
54.8314868963	78.0603283343
23.9641454428	6.9201479257
1.7873724421	2.1828469663
1.139722653	0.3728298226
0	0
0.1863428363	0.1950626607
8.1737685214	1.555682933
0.7137875349	1.1207833246
12.5213614815	7.1878701555
7.5222754572	5.0109033923
2.8791570479	3.0138858325
0.6079091623	0
1.4587682906	1.5270306589
13.6382542183	19.0352664501
5.5076970071	8.3278390996
0	1.13950409
0	0
10.3252307425	8.4923103603
0	0
0	0
0	0
0	0
51.3297765896	25.7306871607
4.8227852708	6.310581517
17.3671091474	28.7240757201
50.7688422622	28.9168853716

gene_expression_table

2.7754586959	3.1579727886
18.0104320471	19.4423848248
1.5428379638	2.5840549319
2.2124918308	3.9703274292
5.9238878742	0
0	0.2490281808
11.6832346208	6.4061622051
8.5516838427	7.6730192748
0.153383074	0
0	0
58.6314672507	16.1187128354
8.2816018792	6.7727621094
116.8140934354	16.6745936423
133.4881705761	64.6705984915
0	0
4.3117893209	1.5045191505
98.0703631106	59.0292234862
20.3948963106	3.9719564247
3.5725419657	2.8047880258
4.5063169146	4.7171878712
0	0
1.6382287349	0
8.0867239236	1.5872134356
0.0316654047	0.0331471722
3.9791980508	0.6942337885
217.8548199888	81.1526548692
8.3951904928	11.5220961532
0.7905075794	1.2412485083
0	0
2.0772321226	1.4496234745
14.2024283988	8.6724308303
0	0
0.3970412153	0.4618006335
1.8819223434	1.4774895032
3.192752352	3.9498203488
0.581536421	1.0145819019
0	0
4.5374813688	4.7498106513
2.3598315185	3.2936782826
0.3539175932	0.2469859991
12.6726571248	9.596440744
0	0.0153597478
0.0586680889	0.138180227
0	0
0	0
2.2122470049	1.4151915869
15.4986008267	5.899581993
0.1029640544	0.2874192222
14.3542243057	9.9034495167

gene_expression_table

1.3172767111	1.1819297556
4.11812741	4.6856882863
48.7970657045	23.4314225617
0	0
31.9002529678	14.8413378367
0.1317040874	0
0	0.422900328
15.3185628702	4.8106163201
2.5477683769	0.6667474966
0	0
0	0.5523044644
31.0753872356	22.7706816405
40.5900423162	13.5966188929
10.4502012498	10.3634653706
0	0
0	0.4912682946
0	0
0	0
1.5163838611	2.8572161807
10.3123616185	5.3974618377
5.8624924051	5.7958902294
0	0
0.5922442671	1.6532214824
2.1400581918	2.8674575322
2.9918888347	5.3829408354
1.6219948308	1.6978953074
0.7801782843	0.9528007487
0	0
0.8299397203	0.9928872626
1.6253665605	1.2010057522
0	0
0.9065008405	0.3163067054
2.6529943892	4.1657099996
0	0
5.0031877803	5.6737520372
1938.1620092677	2713.7037511642
5.7126938483	0
0	0
0	0
1.3810399294	0.4818883453
1.8683977918	1.9558285778
0.9852710138	0.1473394717
0	0
0	0
767.0171408684	1632.5823310797
7.8765914731	5.4967818831
0	0.1907878323
42.8790943974	51.3907608226
6.4081018277	3.3539829524

gene_expression_table

0	2.3584571246
11.4290552047	4.3504990571
4.714124748	8.3890239547
71.2196947644	77.1231584547
0	0
7.9017028629	8.9907166195
0.2688025125	0
16.5391010413	6.9252161632
0.2936257062	0
0	0
4.5931777132	3.6060849597
0	0
5.0108720101	4.8312465365
0.1517318608	0.1985401014
1.6270112489	1.7031464665
0	0
0	6.6022553159
2.8310862223	3.6221356789
8.5154694204	3.5943333716
0.7321183433	0
2.6193857042	0.5875625598
0	0
0.3922410459	0
1.6211350779	0.5656651076
0.3992121774	1.8805190462
6.5919501746	2.5876565054
0	0
8.1941008313	7.831666849
2.6281360299	0
42.7280263485	0
0.0583825866	0.1833437158
0.1811178408	0.178440625
1.8808652372	1.9688794314
0	1.0988532695
1.8172343169	1.4267031993
2.1795772517	1.2222693924
44.1352636334	17.7694431934
1.0592653736	0.3960118546
3.3956907104	3.1364033313
53.5374680735	25.2741716438
0.8247840032	0.6279122752
5.96317674	0
0	0
0	0
8.6183910921	9.0216846041
1.1011945295	1.559568311
0	0
1.3073451725	2.0527826521
3.9937636766	0.6967749914

gene_expression_table

3.2665849228	1.4654756616
6.2538034767	1.2274588567
0.2844599021	1.4888553398
2.5691865422	2.3730091804
1.7811048574	2.1934715436
10.2693353082	12.4698654046
0	0
9.7760493345	12.3982969141
6.1032448931	3.1944216675
79.2206650034	46.7411001564
9.3324718918	27.6793446794
11.7341943971	32.7554411805
0	0.7946987119
3.5075404988	2.5419282841
26.548657599	18.5273262692
208.7869842	131.7770580084
9.9583282458	13.0304043494
0	0
0	3.1020606336
1.812527906	2.8460164308
1.1529983737	1.2069523842
0	4.8293577938
4.5287837677	0.94814121
0.5764581183	1.2068664036
2.0004314117	4.1880812962
3.928435171	2.7415096175
0	9.6614697123
0	0
2.1108383745	3.3144210784
5.4385734907	3.0837456815
0	0
5.6167355009	8.9033457788
0.8302286235	0
11.2529519389	8.3149612747
0	0
21.3697997434	22.3697893581
337.2147868938	428.3001055119
8.3880076785	17.5610410164
18.3523974285	2.8816783706
0.102483958	0.107279646
0	2.4169180599
17.1268341474	11.6742263661
2.453830179	1.1008525693
264.9428417273	184.4020718015
0.1789856524	0
0	0
15.7017052859	24.3259594924
2.1428971663	1.8889878063
0.89173297	2.2403068564

gene_expression_table

0	0
1.1215306881	1.5653495776
0.0319541888	0
2.0171817696	1.2224906917
0.8199443547	4.2915663037
0	0
3.7151361084	2.9167381017
4.6244580452	4.8408573599
0.0652569975	0
1.1919326611	2.1389289995
0	0
61.930018959	48.1238562794
0.940837289	1.3324621422
3.9034389456	11.5537957993
0.8504661552	0.4046651429
14.7428179951	23.2420198056
0	0.2407387423
0.8720683078	2.5104099059
0	0
0	0
0.175929012	0.5524845793
0.7820762116	1.9882060901
1.3439121173	1.1723332047
1.4825185197	0.9311353612
203.173120869	147.8748147266
2155.791998823	2338.434711485
0.9469986755	0.3050193933
0	0.0628643893
0.9785097296	1.5364479404
22.3904009301	8.7893059095
0	0
0.1938826295	0.2536940936
0.9038787315	1.3009910469
6744.1528334345	7445.3025691248
0.4930407212	1.290280818
26.9646671231	21.3419620187
0.2209993913	0.694022858
0	0
3011.3914754574	2281.0367685667
1.1734572535	2.183766449
7.3343885037	6.1420781802
2.2393322985	0.4262037797
0.9578171167	0
54.1042664708	111.2126070496
5.8616666687	2.0453201908
1.593350727	0.8339554082
6.9404881734	2.4217550054
1.1078144755	0
0	0

gene_expression_table

1.1733012872	1.7058407818
0	0.0362185831
2.3049567403	1.6085440631
0.4457759126	0.8457773592
0	0.2580600945
1.9539317799	5.764210703
2.5897088385	0.6777232579
1.4272917958	0
0	0
0	0
50.2109392604	35.6660781906
0	0
1.0483127354	0.877894425
0	1.8047231234
2.1061192972	1.821252557
0.3698030727	0.3871078316
0	8.4961821166
0.5177795139	1.6260262799
0	0.6650592632
5.0496292269	6.7961882891
5.0430615825	5.7380970115
0	0
0.6292770446	0.3293618823
2.8554872127	2.2857887601
0.5173601967	0.2707849105
0.2928468074	0.6744109558
0	0
4.6645548233	6.5104405968
4.8651921456	3.3952376653
0	0.0573359161
0.3712891682	0.1943317341
0.107712548	0.0751686037
4.7305470836	9.0034741533
0.9875994585	1.6916951544
0.0498996759	0
10.180161638	3.7611308682
10.1332467229	4.8617374591
1.9540068424	14.3181056425
4.9017062841	8.8938707836
1.6903205642	5.186226084
1.1665449722	1.953812623
28.9254833602	11.6866460897
1.761013	0
9.6066848075	6.7041500358
0	0.0725957815
2.7765071186	0.4152046355
0.0367406251	0.4615186227
0.2901149354	0.9110721775
4.3921560708	2.4340684897

gene_expression_table

3.2834371419	1.7185420106
2.6959956142	4.2332301701
0	0
2.7152188025	4.2634142624
11.2285349253	5.2239861673
28.4429906368	27.2928029505
7.3689778021	12.1550876333
0	0
572.0165876981	909.6174770421
1.1175132168	0.67725652
0.4927705043	0.1289573664
35.4468448547	104.1598299481
0.7256165878	0.4747321693
5.2698810176	7.4001595763
0.900184757	2.6384637287
0	0
1.2809701609	0.1489902834
0	0
0	0
10.6002016193	9.1046014459
0	0.2764376158
0	0
2.8787018272	3.4438963542
1.0794823264	2.0985643499
0	0
7.3737087124	3.8593789522
0	0
11.7901042018	20.7566914203
0.9827044716	1.4401655239
0	0.073116507
15.9763688769	16.7239754596
0	0.0707950086
1.3754419824	1.5997834842
10.9124897168	6.1509185676
0	0
1173.9180903103	745.6891471359
7.0338980988	11.2900038893
1.8576462335	3.6298712901
4.1671224132	2.5082195316
0	0.2728257398
0	0
2.923480221	0.6800629083
1.874167568	9.8093417397
19.3905542311	5.5357979982
1.1072586608	4.0567530611
0	0
0.9943920251	0.346974709
0	0
11.2225245173	7.419585609

gene_expression_table

0	0
1568.7886652613	840.1950340218
0	0
2.5664544358	1.1513787645
8.1911436746	3.4297777387
3.9660835798	5.7484724877
25.7298277779	7.6953836659
6.5315596026	7.8627809517
0	0
108.1916635557	77.1443293713
41.8136680458	23.8747193203
0.2225041475	0.6987483697
17.0089980792	10.5210926684
9.0190615163	14.8360209017
1.3697430195	3.1544468837
6.1274251481	4.2761033956
3.2567599894	4.6875929706
31.8360072239	61.8906935021
9.8349383825	5.1475798231
11.1473275208	11.0206857762
16.2630536472	14.5920647205
201.7134948643	143.1243442263
0.7389645072	0.7735439998
27.2167372566	18.1302109744
0.1039435434	0.163211298
44.2234729013	17.3275060439
0	0
0	0.0547138806
0	0
5.1903184357	5.0936221108
0.0617674557	0.0323289172
0	0.2857111778
1287.3065570166	1044.9187215101
0.7867798577	0
0.9104445135	1.2707311087
1.2770953421	1.6339356137
0	0.6979806831
7.0719989829	6.5319968926
23.4081888897	16.964005815
8.1877647004	9.8895083713
0	0
1.2193450244	6.7011193979
9.2897442974	19.4489069264
0.9584080486	1.6052100759
16.9289348037	8.8605581279
28.2725222721	8.1956828781
54.60209741	33.4777748584
1.3364286348	2.0518170598
0.9646500001	1.548345185

gene_expression_table

30.4537292802	25.4445444399
6.9636322589	2.4298307061
13.9855354928	18.5439771673
41.3385994185	14.4243398387
5.4333241962	1.8958580059
0.5519238029	2.8887540737
0	0
37.880909876	60.6465738199
24.7804836143	17.6291768844
16.8090945841	10.6500096819
0	0
0.0821955727	0
45.855860424	54.4018854154
5.6370817389	29.5043314882
0	0.4930411554
5.5718727785	7.5823876894
9.4086544131	7.3866959409
5.5102460726	8.345329539
0	0.114650879
67.6803415466	203.6863064467
26.2106393099	8.4422011414
0	0
42.7772555216	33.5842476354
0.954192658	0
0	0
494.2717968436	335.6114662593
18.7392077666	25.3855412813
20.8356120661	45.4387596303
11.5973211554	18.2100184241
9.0799268808	6.6533724183
16.403457922	21.4638124168
120.3180795	131.3078092197
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
366.6976936648	265.7472492635
0	0
0	0
0	0
0	0
5.9114177301	5.3738239596
66.8386252658	73.1465936235
35.2508603705	24.6002717433
0	6.9706168287
2.2452137027	1.7627080575

gene_expression_table

16.8371664992	17.6250536971
2.0912342257	2.1890925366
4.741459936	2.6725646223
50.9549047566	131.2967760953
13.4616251187	19.2831811603
0	0
0	0
0.4587369079	0.9234678525
2.5675619158	4.300335607
15.46740523	21.5882601345
0	0
0	0
0	0
0	0
16.239275208	14.3278839668
3.0224453948	2.5706519227
17.0927420007	16.3138309034
0	0.1420673309
0	0.0858182825
0	0
0	0
1.9233376066	0.8628596893
0	0
79.2559337528	298.6728389127
21.1787066595	25.8647131917
23.6121737409	45.0723482112
0	0
8.1416074099	5.1744296769
0	0
1.6487171988	0.1327590874
0	0
12.1356191304	6.3517498277
0	0
1.8482692534	0.322459689
288.491229504	372.7657834261
0	0
0	0
0	0
16.6885098098	2.3821964575
15.7543963182	217.389481007
2919.6256008653	8203.6133000543
22.5681733685	22.9225301989
0	0
39.2131752092	42.6900625755
5.1430015841	7.4025406084
37.0344660694	26.1455072682
0	0
0	0
7.290370482	7.3379999049

gene_expression_table

78.1223397793	63.7039060325
6.3921065106	5.1168168958
0	0
31.7279649922	79.1242782901
0	0
0.2232669312	0.934858404
0	0
22.4949050285	49.2357725844
24.2116648579	17.6123756976
0	0
0.9947587489	0.694205341
5.2500200062	1.8318973984
0.4920235905	0.588625829
22.5121080426	12.3438602733
12.352872298	7.4070313186
1.4420869971	0
12.025734484	14.3868262963
1.2743104799	0.6669706163
21.701342445	18.5321642033
3.6565887195	19.1384852469
0	0
0	0
0	0
21.7187139418	3.7891718051
2.6240574365	0.6540116562
0	0
25.7374999262	42.0966781149
5.7069861907	7.9653891933
3.9670599063	2.3070536599
0.0400746362	0
6.4557943797	4.8270644336
8.4585688183	2.9514611743
10.0490220531	6.5453181176
10.8952688153	12.6056453939
3.7748550005	4.3905528276
0	0
6.0839353818	6.9224241785
0	2.4376096605
29.5582428808	15.4707033987
135.2948366957	285.693614218
0	0
0	0
110.8497374817	86.4588653426
51.8245341749	33.5831096107
7.2077895153	8.622942397
16.889444348	11.4398562643
0.0897897388	0
11.3316514495	11.8619106893
4.0482081975	2.1188210873

gene_expression_table

0	0
26.7884681263	13.6204105646
1.124558233	0.9113662457
0	0
8.1351471159	10.9002591434
0	0
1.4052324106	2.9419791856
0.0369386116	0
708.3182304408	767.7101458449
0	0.4462487393
1.4477399053	1.0491827577
4.2044283193	2.7796879217
0	0
1.7460182781	0.4569305932
0.2502502907	0.130980317
36.6978225887	11.1201546621
26.0110280815	16.3369210613
1.9125898014	2.4311075025
35.1936724779	14.7362174568
13.9250403532	9.2760538139
0.1951297525	2.0426075646
5.679756929	3.3974505446
0	0
16.2932262885	20.4667920756
0.2227246184	0.466293822
0	0
7.2637997554	10.579068953
2.137719251	4.1558266408
0.5549899411	0
4.2942783873	3.3714203265
0	0
0.7518168997	2.83319213
11.2638202085	10.7190048343
0.6523463933	2.3900542139
226.9854371995	40.7326479035
819.2345268015	735.0601858503
24.7851937863	9.8170289722
3.1454883235	2.195119969
10.6232652104	24.2626382249
0.3038803874	0
0	0
12.4791428248	10.1601876271
0.2300833334	0
0	0.9155032229
1.5133520215	1.4401532814
3.8724468196	4.632749859
0	0
1.5493163416	1.2163618972
95.0140606986	72.937478883

gene_expression_table

546.5536774894	264.8747207716
59.5703094535	0
158.4720893959	117.5385320483
13.0070819147	9.0771614175
0	0
13.0534171305	13.6642455765
19.7921752138	7.2514192237
34.5749041857	28.3248159511
13.624667822	0.7131113836
2.2775206406	5.9602403393
43.2628333872	27.5661808424
53.4777690042	135.5310971244
0	3.8949075243
2143.4742871969	2726.4501378655
15.8201971381	8.2802478693
0.3625786735	0
0	0
1.7943413351	8.4523800801
298.6387547361	297.5477065592
206.0274437843	38.0591294156
3.9880229181	6.9577342563
0.4126949483	0.6720105966
3.3177658205	3.473019094
0	0
1.6874217154	0
0	1.361884333
0	0
0	0
4.3537727278	2.5635968166
234.8247896358	129.8946556125
49.152702821	61.6794197077
6.191440656	4.5749408305
6.4019231299	0
193.7382329308	164.7783486308
58.728569383	26.7290195017
1.5002606417	0
9.5437396836	7.4002477354
1.1093262612	0.5278348436
2.2140376446	2.3176424831
7.7036695928	6.0481193604
60.5806704842	18.8897276177
5.4712852171	6.6818633076
0	0
0	0
0	0
1.3400730042	9.8194675817
12.8997781543	0
1078.3190539663	1759.9234384436
13.7075621166	2.391500161

gene_expression_table

0	0
7.0959983049	6.5709692277
0	0
1.167097388	0.4072370517
0	0
182.844265707	93.2463371004
0.7547625793	0.3269302077
0.3033506714	0
11.8971293842	4.981539958
432.9960933118	341.6867544297
0	0
11.460367744	7.7625383657
15.3281078597	6.7559492111
4.7321817755	0.9907243942
0	0.4864999322
66.6696670333	8.7236802989
10.5091309561	3.4574259471
24.1436574463	9.2917089753
0	0
0	0
23.5788891483	20.4266913526
1.2650928448	1.3242922628
4.6196179845	6.4477210811
3.3082997651	3.0946941132
0.6656298867	0.4645184804
0.2439379256	2.298175963
3.0264410541	3.2853975505
54.8322367986	44.2333867899
1.0266468962	0.8060162621
9.7487438321	4.8023207825
13.3820161745	16.3429247991
8.7584977763	10.8874126728
3.8193978144	3.9981247185
28.2318766346	11.0099314431
1.436030317	2.2548430089
0	0
0.2994663818	0.4702196531
0.6926033155	0
11.9767873672	0
53.1916816984	41.2450082545
47.1406589989	23.9683406616
0	0.8889383535
0	0
4.7061423912	1.8947554177
1.1382854817	1.3617725821
2.5009587996	1.1219957045
0	0
0.3973889327	0.4159845588
0	0

gene_expression_table

0.0846077982	0
1.565139261	0
2.9801242952	2.0797185294
4.7936542845	3.5842650405
2.2441845657	0.9135778225
3.9534068623	5.3799260529
68.912535119	36.5627230635
0.7186129399	0.9403001133
6.9323126921	3.6283534836
14.8152931954	1.7231741993
4.4553830473	5.1548043229
1.9615925539	1.8118097157
8.117860392	37.8535325986
1.4204021127	3.2711121388
0.5250258448	0.6595130154
0	0
1.415556868	2.9635943568
7.5807696286	3.8754807184
3.0132306223	3.7850799793
2.600153043	4.9487744871
51.6768305874	35.2246663318
1.0044992659	1.8025788536
3.8625864545	1.2865154751
0.2318806225	0.2184582294
89.5613168995	204.8661285699
3.4749134007	2.1825121923
0	0
6.1304715253	8.4227640321
0	0
18.1832636612	13.0233595191
6.8080711649	7.572067343
42.2744318824	25.2872250372
81.1449058689	37.9205549748
0	0
0.0474462601	0.0496664853
0	0
2.4728311505	5.1770922161
0	36.1223606408
0	0
0	0
33.9288504661	0
0	0
0	0
420.0781035166	300.8716295453
9668.9394093626	1259.7441719895
0	0
0	0
61.8499172191	0
8.4765006888	2.535187002

gene_expression_table

44.0982606875	0
6.4478333356	0
0	0
0	0
83.3156328048	0
0	0
38.0801451113	0
0	0
0.7480586405	0.978829611
0	0
0	7.8311496798
0	5.2352865082
7.7816302517	1.8101706529
28.247722258	21.6843447226
249.9468984143	119.9197287941
0	0
0	0
0	0
15.1146968689	31.6439638395
174.96282889	0
0	0
0	0.5787178773
1.4464907425	3.0283571776
0	0
0	0
0	35.8168861322
0	0
0	0
1045.5994900659	0
0	47.8570258208
0	0
0	0
0	0
61.4584620468	0
0	0
0	34.7872425884
69.3107566267	0
0	0
0	0
2.0624521056	0
2.5551091999	2.6746743196
6.3541663417	8.5519369715
5.5260852512	1.9282252607
1.8374275286	6.7319317657
0	0
4.3292184589	9.0636043552
0	3.0600834754
0	1.0124536629
4.2003793595	7.9144814049

gene_expression_table

0	0
35.4676911352	13.7209900614
0	0
1.047240952	6.0293535184
0	0
2.8533254006	7.9649210816
0	0
819.8660817897	977.2923182103
207.2618252314	198.4958166331
51.2301232793	48.7521932102
0	1.635269029
0	0
12.2598084426	4.0833864742
0	0
3.6890954348	0
121.614336266	48.963546649
175.3273347835	314.121553231
30.9351283661	26.1150991808
14.1823274545	27.5711107695
82.7685378475	40.3766922913
15.9991822332	13.0261104991
173.2210536916	337.306936968
0	1.6956648124
5.2443492133	10.9795120807
8.9302572559	0.8498313088
94.2323917655	50.0571098269
57.5603853195	70.2962122014
18.6924043075	26.0894753017
2112.0417260859	2282.1922210001
28.856215093	35.800329426
406.9956337715	213.0204004359
0	0
46.6004485822	86.0842842508
23.7767801258	15.2101908706
0.6406484709	0
4.0972308031	8.5779175395
82.4556901787	14.8817525831
0	0
1781.7753848219	1710.140024223
2743.6293900123	4846.8406405061
2.0839636457	11.998149533
6.9741708758	27.1162315719
13.2039338111	16.5861667363
6.7489831828	0
0	4.2427716355
0	1.2298647652
58.4262154236	0
138.6215132533	45.3463253227
154.0774820507	43.4235481449

gene_expression_table

0	0
1149.0060295706	932.382341252
10.4059316341	10.8928722554
12.5784779605	33.304971748
13.9493722395	2.9204252957
26.1560592684	34.2250245264
64.0318958351	26.8112951779
88.8173272401	72.7618631663
0	0
27.6111215467	13.4193293217
0	0
0	0
0	0
0	0
25.0604857112	52.4663584408
237.7889738142	354.5170060578
6.4078375369	5.9623904414
34.8982461937	18.2656465127
0	0
24.6038509515	11.0379327661
91.1017752846	60.0445285915
8.9250340105	0
93.279894365	55.7970758025
6.4222466954	13.4455453496
436.9563229749	785.6166749018
246.0344340807	240.0866510513
1.0207544416	0
11.7217004702	26.4281486398
1.3517696114	2.1225375411
2.6354114431	0
57.7919642634	87.1146889101
25.121352121	9.2812566511
6.5258313195	20.4936134765
25.3456802135	35.375625685
0	0
0	0
0	0
0.2372333872	0
17.4652635021	70.5183770592
61.3032639103	32.0859604935
0	0
20.5662562796	8.2802478693
13.1899443132	13.8071614837
22.8726896237	27.3634357207
181.3904795155	203.9436393009
68.0638107715	83.1236284933
0	55.9121687807
3.4014421337	0
0	0

gene_expression_table

9.3279894365	725.8269610648
0	22.1985186827
2.924478076	96.4318205506
0	0
0	2.3445041711
0	0
3.7760293216	0
40.0053316601	7.9766404052
283.8636083792	345.3328499851
75.7213886301	50.2654417042
54.0321862193	59.5374701829
2.5122728458	18.4088342105
0	11.2717146644
41.5751233992	38.2453858848
0	6.2707170169
0	0
0	0.5587897335
45.8472002049	43.4218745003
49.2870095226	173.5413411407
0	0
72.9703777347	32.162101833
6.7141400872	5.4664750615
2970.122379142	4256.3801100295
40.9224260304	30.1448169761
48.3828450593	37.9851729609
27.200103651	6.5706737455
96.9237394286	146.4241300429
18.2974128573	38.3072631782
87.1086521946	56.9905375887
65.7642456877	127.7193812125
8.5134464347	5.9412194075
805.960712932	901.8597619182
0	2.0156320215
32.73916724	0
25.0656608245	15.3058479587
4.0867756276	1.3509518998
36.7058966619	14.691350332
7.7193946057	10.2844254604
0	0
1244.0038923277	1947.038131929
213.4944009541	167.6135774257
5.216359332	2.7302281929
0.4659563433	1.5852217835
1696.4151360865	3221.4422733815
0.2305356211	0
4.8742279909	8.8130898414
187.288711789	147.5448891983
1.1357501934	1.9814951391
108.4806931601	64.1843888169

gene_expression_table

11.0098822304	27.1082971866
0.8292502074	0.4340272882
3.9889512543	3.2476984796
15.5395098298	16.9739204882
1.1339464469	0.7913392877
27.3971791582	28.6792171258
6484.5001408638	6403.7162648021
0	0.7212784035
0	1.1272464662
3.0280052678	1.3115997244
0	0
0	0
0	0
9.1801545556	3.4595047878
0	0
6.4512151846	6.9308098026
0	2.413131136
2.6959956142	0.4703589078
0.9062512661	0.7114941473
0.9639107607	1.0090165063
0	0
13.7161570284	8.7548768736
6.0348882902	11.0552540304
626.3255772746	118.4479061525
10.4125396789	4.671338366
16.927020632	15.3246378476
0.6560751448	0.1716939673
7.0530780362	4.1417521895
32.8553440565	25.1654592106
0	0
127.4197177872	96.5871558754
88.8392558201	22.4474181306
0.6907852262	0
1.5051540742	1.1254193166
11.1156996302	9.9735887206
0	0
4.8831501204	2.7262158974
32.3586061076	34.8690708568
0	0.5174285583
2.0282655044	1.668210676
0.2057400589	0.071789189
263.08305155	257.9875114974
0.1026028571	0
17.4585347059	15.2295821112
5.9933569951	2.509525314
0	0
0	0
0	0
0	0

gene_expression_table

1.3843179944	2.898192993
20.0226991351	20.9596518176
9.3454160472	3.4527283574
0	0
0	5.9003525087
0	0
3.3436416863	0.8750264522
3.1799963988	0
2.6029156177	0.908239272
11.1439160744	8.4250041248
0	0
0	0
4524.1508994352	2160.8207722053
3.2225105258	3.2126727363
25.6157987849	16.0886867432
124.5981059375	30.0989111634
43.8819523767	6.0949866865
7.9038210963	6.7223622742
0	0
0	0
13.8645264048	1.4513310323
179.2238755466	64.0621463854
2.4210155438	3.2796898778
3.3062434468	6.9219150727
2.7472732216	4.7059045614
0	0
509.7342259	420.712824205
2.1294292637	1.2538546275
464.3833608231	162.564083797
58.6379046099	0
0	0
89.2210527318	66.7115067555
40.5172042673	48.2632824067
13.6876456795	8.8173246454
79.7178967523	74.6398306003
5.8117792482	0
204.6622585021	134.193867011
140.4124550975	21.3018824853
10.8990252477	6.2231127001
177.5115590452	153.8806372663
10.4372898699	22.9439655586
524.5715250234	122.7636749315
2.2892255654	3.9939146449
1081.7435240019	682.9427845995
0	0
98.9661711283	320.5039799187
20.3423840021	25.2869767207
4.634231846	0
2.5766695864	2.6972436142

gene_expression_table

12.8206040664	12.2535348196
0	0
128.4946802024	131.2268562397
83.8071988937	38.0780830818
1.5056061542	1.8912723336
14.9504659118	11.8329766207
16.6160797457	1.9326245882
75.1691585867	17.8158483644
0	0
75.9723646149	32.6266483207
30.8192095241	29.1393107645
5.9933569951	37.6428797099
266.3141648601	73.6162284922
5.6015719481	5.8636948431
0	0
119.3335604978	41.639239234
3960.6210748015	3406.7039012394
149.4570339133	58.110298899
129.5064622867	22.2240419002
0	5.8398438954
0.9171518572	0.9600695421
14.6093792903	20.7548104759
0	0
26.7543420693	7.5401573641
0.3816151029	0.338015277
2.3127590804	1.311366085
0	0
0	0
0	0
0	0
1.8566801154	2.591416771
3.1390052602	0.9064533844
0.3927407705	0
0.6895931515	0.721862335
6.3815342212	5.6524389137
4.3474864302	5.6886562374
0	0
0	0
0	0
206.2948248437	69.8178691819
3.8997738969	3.340032514
0.2141032104	1.5688544779
7.9231061499	3.4026109266
19.8346882393	20.7628430414
0	0
7.4268624665	3.8871994816
1.3360682291	0.2797177813
15.7830958794	7.4740835366
0	0.2470310169

gene_expression_table

23.1534471603	31.0729509071
14.9008917027	3.8995429606
0.8739435752	0.5227653423
0	0
0	0
0	0
0	0
0	0
0	0
0.8797722201	0.6821783279
9.7979954537	3.263427997
31.636958091	36.7971049968
14.1088512138	12.6592013106
17.5504929057	6.561342812
2.7490408525	1.9184539411
1.1697630467	0.7653134701
952.0036277837	1092.9927187451
29.707282799	16.7682171885
6.0902629191	10.200406201
0.0570077543	0.0170501157
0	10.9252281646
0	0
1.5996239164	1.1163183712
0.9856910696	0.5732311191
2.2087246391	0
1.9996266578	1.3082488976
7.0148600968	7.3431171386
0	0
0.4207229438	0.7046567582
0	0
1.6441965648	1.2293828293
0.7035019201	2.2092658736
2.8274042055	3.5516534886
3.6661604594	3.8377166943
7511.5122507169	8318.3718043883
6.1387175893	6.4259759591
0	0
483.9174180883	287.1421549246
27.8207029841	23.8275487209
0	0
2.356020864	2.3211950491
0	0
0	0
0	0
3.4870715883	4.7099967029
5.33572067	7.3039887751
0.6077607748	0.5655116899
50.9953246621	89.7781902321
4.9601251486	3.8941738843

gene_expression_table

0	0
0.5248657898	0.5494266348
0.4681894758	0.3267321197
3.3410531941	6.4118930136
0	3.0128734022
0.4397225482	0.3835826297
0.1605928106	1.1767537234
0	0
0	0.3268991913
3.2856961923	4.2037707345
86.5745697707	36.6259651588
0	53.2748023288
2.532903541	6.7065571159
0	0
3.2792789975	1.7163656492
0	0
6.5697066284	6.0174913096
2.1214148399	1.7765483507
1.6597524448	0.7721865649
5.314381022	7.4174199389
0.4574094645	0.5266950951
14.544202806	57.0929694694
7.5394152584	6.6590594517
0	0
19.6968764886	16.1082675432
6.2803229397	8.6502732428
0.161310711	0.2532887536
89.1956858854	28.5295864277
4.0187794508	4.3897422509
1.0901539173	1.5215562019
0.1310857217	0
5.0486703802	5.2849205093
0	0
2.5322414683	0
2.419069934	5.0645383219
0.746566181	0.3907506952
18.8603445663	5.9228716259
0.0660932738	0.0691860771
0.801888713	0.8394127139
1.0182241338	2.5580914748
5.2158277959	1.3649749942
26.6819115316	39.1026704471
0.1493931772	0.9383037592
1.1634142459	0.8119037748
34.6970893791	20.3905814307
0	0
0.4770490258	0.6809622383
0	2.1444793849
0	0

gene_expression_table

0.3683022827	0.3855368128
0	0
0	0
3.2224274185	4.7225071275
2.560323626	0
1.3740050237	0.5992920563
1.4667727448	1.7778427848
9.5935555187	5.0212406931
1.6662268786	0.8720985865
16.1264671468	7.2347560743
11.7501195144	12.2999607683
2.2654061691	0.6775470781
0.7377302009	0.8825736397
0.1890595151	0.1979064652
0	0
6.9725749834	5.2402023788
4.3702647859	1.0166153884
10.0252959764	8.8017757504
0.2102636298	0.2934704218
2.979130499	5.152366294
1.0233793187	1.0712678672
0.5990269799	0.4702936219
0.6690670004	2.8015026897
0.4257843113	0.4457086856
0.2530618059	0
49.4216017664	30.6182367616
1.2704092998	1.3298574987
10.1308680265	10.6049371772
13.2977180856	5.4133249639
0.7810086706	0.8175555999
0.3262932106	0
0.1205822083	1.0097983633
2.8753135397	3.9504444908
4.3740707222	4.5787532812
0	0
0.6924847748	0
1.8654186924	0.6509033576
1.0969376696	2.9526900329
21.5540017093	3.1336959677
98.8842872036	34.5038434634
10.498450714	8.7917765774
0.6954804403	0.7280251167
0	0
0.5257837401	0.8255813101
2.1999035227	6.5795627476
0.151876743	0.1589837429
3.8323612769	1.0029237
0	5.5291733487
347.8743104945	231.7336785224

gene_expression_table

20.3224518716	14.5046122779
0	0
1.2289599359	1.5203719009
0	0
0	0
1.6434031948	2.1730174302
89.2446831142	51.5425355103
0	0
21.8359275993	20.5719565008
0.4641522792	0
0.975149078	1.0207807152
1.8638483713	3.0659612804
0	0.2452643128
1.2656087016	1.5140940101
8.4224193781	12.8240617992
22.0228769142	8.6450351117
0.946318757	4.2926056036
0.3245510302	0.3397382413
0	0
0.6648397749	0.1391901272
9.6493246142	2.2446355933
0	0.4634420002
0	0
4.8211330907	5.0467357206
7.3734072244	13.6557056225
0	0
0	0
2.871933219	0
0	0
0	0
0	0
0	0
30.8129744013	13.2814100105
2.7851287271	2.5790585588
4.8146379816	21.599728611
1.5312185812	1.6028712264
174.533998427	151.3282947195
0	0
10.9936735483	9.3503452843
6.1908502153	2.7773777599
0	4.8438562232
0	0
0	0
0	0
2.1726651062	2.1479820511
0	0.1378839488
0	0
0	0
4.3451033665	0

gene_expression_table

1.7891507911	2.1850187932
0	0.153762397
0	0
0	0
2.325505045	2.4343259475
0	0
0	0
4877.9064386209	7984.3920702452
0	0
2.2903486559	0.4795048864
0.7459467954	0.2602843403
0.1087149044	0.1138021666
0	0.5175629224
4.4517684269	4.4808527048
82.504131191	144.0906167426
0.6812620674	0.4754276012
0	0
12.1577131432	5.9890011986
76.6494943484	19.5575910512
0.2326020314	0.2434865328
2.1939563298	2.7990074199
0.529381072	0.3694354716
3.5385826641	0
2.8563469242	4.9833471998
0	0.0927035434
105.0004001232	144.7198944748
0.418696666	0.2504510728
0.3339054173	0.3495303625
9.8070363111	22.2428958064
0.1499023904	0
5.5695849966	2.8145846581
283.3677442114	76.4743554665
4.9581352228	11.1217474335
0	0.4036017949
155.3561846675	63.6362622141
0	0
10.9667432423	7.5767516722
1.6707421656	1.661477563
1.7081885578	0.8344571335
5.2171121835	5.4612444667
9.3441464621	3.402226557
8.5318975545	10.9158422297
1.1611570395	0.4558098116
11.879082261	3.3159888707
1.3020162246	1.6355321455
3974.6474392002	4160.63917563
0.6237113331	0.9793464125
0.3133795916	0.9244877506
0	0.0720067459

gene_expression_table

0.9767822963	1.0224903593
2.1255064627	1.5892632333
0	0
37.3533602735	24.0623341544
0	0
3.8224662955	2.0916078663
0.3159098511	0
0.2443983943	0.2046679208
0.919121681	1.5743970702
0.8658514123	4.5318425863
5.8344771459	2.8501660734
2.6379888626	2.0710742226
7.1735212229	3.4417179209
1.3463381532	0.5637357627
25.4489243657	28.9232056492
43.2609745481	26.6222974166
3.9051632789	4.4595311314
0	0
1.7133243354	0
0	0
0	0
0	0
2.2615862074	1.2626218977
0	0
2.6036025026	0.7889422441
0	0
5.2791328713	3.6841115887
2.0477081891	1.4290198132
13.6046248086	0.9494164504
0.3818376537	0
0	0
0	0
19.7924777771	2.5898321701
30.0110400379	6.7925172718
0	0
1.1197053847	0.1674430665
0.6146565898	0
5.1343846205	3.527111245
4.3311494217	6.5488561649
0	0
1.2336182162	1.5652664168
3.2149506699	2.8846223635
2.0189833841	0.6283261693
0.2826515364	0.1479390403
3.7245647851	2.1660300126
0.5506936956	0.8646947177
9.909992967	7.0978127825
0.5787525139	0.48466797
2.2885627188	2.0534185052

gene_expression_table

56.4582928543	14.2655731967
0	0.4185883594
14.4705118894	10.7295872658
0	0
4.1103124485	3.0733232604
30.2930494569	6.3421196595
10.6645028153	11.3665166639
69.8906846848	30.8648753573
12.2635114094	16.7873386214
433.2695432534	318.9927437672
70.9471641447	101.8520268971
1.5233491785	0
3.2957725693	2.0224118463
0	0
0	0
3.0859848261	3.7687906879
1.0105985267	1.0578890041
0	0
0	0
3.8487426841	3.5123244639
0	0
0	0
0	0
40.3204473676	28.1381490162
16.0990942306	4.6812343577
0.3214042628	0.4112096052
31.0760757343	58.1791294292
1.5019313881	3.5374804943
0	0
0	0.4419300154
0.2348477308	0.737511956
106.6997237638	47.8682942516
13.6554024434	4.2042354429
0.6202215709	1.9477336331
8.1020233316	2.8270512199
0	7.6346945203
1.5209804555	2.1711191079
284.3362103406	132.0784547029
3.4920836492	4.5693675533
195.1810968047	78.0109922051
0	0
0	0
3.5786444526	2.7471439729
2.0727538002	0
1.4507372138	0.7593118858
4.6024364481	2.8340031015
4.3619868398	3.1391964582
22.793306515	9.3735354633
11.2569115061	9.4269386607

gene_expression_table

70.7582231255	34.670745776
8.6081663641	2.2262424672
4.4047252289	4.6108422509
0	0
15.6574035528	8.9400459845
4.0868842607	0
0	5.8963024195
1.8980896819	3.4770923
9.2014645635	6.8800305152
826.8791228362	338.7022975156
0.5929675747	0.6207152103
2.0948735086	3.4923996694
10.232714765	12.8538597424
76.1688245448	174.6534756758
4.2543195065	1.8143474818
139.5710119036	44.6064150461
4.1605608592	19.0542289251
4.8603704944	2.035123688
11.7217004702	6.6070371599
1.1609175742	0.9114316199
19.2233174521	22.1867468796
1.1038978006	1.1555541732
8.1742272322	4.7537423931
0.2341751443	0.4202284437
0	0
3.9581383623	4.8116410425
48.2617526839	50.5201384456
0.5739300324	0.2002622717
2.0513852044	0
0	10.5099288906
14.088571968	14.3597389398
0	0
6.1069882373	3.4094729852
3.2713799156	0.2853718819
6719.15009789	5066.7205895156
0	0
8.7118141884	9.1194793897
3.1028876977	1.9907622962
0.6089957356	0
19.5882646318	14.2912856861
5.5102614253	3.1059061857
32.1596401602	24.3777668872
28.8821369379	29.7755769985
3.1265241935	3.0682766307
2.7744189165	8.5598845098
21.5224593873	13.8643647
198.2304571543	119.5605647621
6.2411220682	2.1777241356
55.9566485343	65.1648135322

gene_expression_table

0	0
5.5884190857	11.6998529976
16.7199356086	5.2507011128
0	0
53.282768174	62.242905326
16.6187738083	14.6496348835
0	0
21.8855408017	10.5260619637
2.9378827633	2.0502397266
5.7431020839	3.2063188343
12.6245346703	9.0855144638
0.5426613802	0.9230893122
3.2277209205	5.0681408787
0.433006787	0.7932209839
0	0
324.3101986803	106.9895714487
4.1452759346	2.4457603029
0.03504834	0
0.6214361507	3.2525797989
90.611835069	41.2399881708
0	0.4835836823
4.5695843304	13.6143374354
8.0397723161	13.1850504323
0	0
1.3628683514	2.8532862553
0.324204283	0.3393752682
0	0
47.6843302072	23.7099554854
0.7824435154	0
0.746747029	0
0.0451622186	0.6618578835
22.2851646534	21.0704410756
0	0
655.53287666	643.1130232397
2.4614958436	1.2883401854
2.0901239102	2.6741369898
14.1490896595	2.6137393377
13.4377263496	35.7524516718
56.7861813064	42.2361452257
1.4119929668	2.6394044752
53.4284186967	39.150003296
2.0496532006	2.1455657473
0	0
0	0
0.0592124369	0
0.2680789735	0.1403118008
0	0
0.7929821923	0.2766964723
701.7675378701	270.1130120755

gene_expression_table

0	0.7357503318
1.251264352	2.837936123
2.7814834876	0.9705472281
402.10698919	151.2206269102
522.1928425369	341.6428801434
10.4051053985	9.8644594928
0	0
2.9289350178	2.9046250789
0	0
0	0
0	0.7303581281
7.1170016149	59.6003065631
12.3684078505	45.3151356453
0	0
10.9277931616	0
188.3692920154	564.1651715087
324.0268620994	502.0005265886
103.6417742563	246.1925717469
20.0608139725	62.9986506621
0	0
0.588246088	0.6157727839
33.479943943	33.5473012684
0.6931154819	0.5320696269
0	0
0.9652010169	0.6735780929
0.1760146353	0.5988162583
0	0
0	0
0	0
2.9935375188	6.2672373663
0.3169523354	1.161243892
10.467592889	18.2623648658
1.164516466	3.0475236504
2.3837775413	4.6787348954
0	0
283.4819220064	197.8315491415
24.2973011697	23.2788342093
0	0
0	0
221.7441454197	109.2332034047
4.6826874829	5.8095545083
14.1734557371	2.8260373061
0.3267659036	0
11.3024154639	9.3954493744
18.8522028525	25.5386129294
0.1274348108	0.1667475776
2.0756209948	2.7935340326
0	0
2.3294240281	5.4187295944

gene_expression_table

15.5103485333	13.1365196772
2.1812138781	2.0549544697
0	0.2567810589
1.2645971708	0.7942640363
0.4569445387	1.0363752556
0.352709792	0.1704067749
1.073818908	0.2810169383
0	0
0	0
19.5976655794	5.9384741897
7.0947550502	4.5206308841
3.4837210649	0.4558425169
0.130582971	0.136693539
0.4367979162	1.646055601
0	0
2.4781999323	3.3353564393
4.7505171047	6.5641161869
1.6443429365	2.1802996306
355.8798901768	221.745904981
0.044591501	0.0700172086
0	0.6661445085
0.0586228241	0
16.6459878347	0
192.9938281008	75.0693552429
111.4524000631	30.7020426614
0	0.1120901973
5.1161032224	4.9729724937
7.0836177111	3.7774998166
8.2252803783	8.9545855998
1180.3698375934	855.8546196798
2.0192216684	2.9591942604
4.1647096429	0
2.0009967448	3.1419486537
6.5387946557	1.7111936104
0	0
25.588198463	3.9682349688
0	0
10.8109964411	3.2333976793
162.0386639792	111.1961109459
0	0
58.2903099176	34.3226122004
54.1407647871	64.949009773
0	0
47.9028354695	14.8576076655
139.7079381073	119.3055432433
3.3141746396	1.8172313581
15.1713725543	11.1169168019
3255.2713443869	2932.3640195493
208.7971041631	223.3538185966

gene_expression_table

39.1564232697	24.22061287
15.7461226365	23.694247749
6.3647450962	11.7705585576
0	0
30.5674241751	42.17893433
0.5431731634	0.4548725546
0.7370750274	1.3226847475
0.0879472974	0.1841254988
10.896356861	5.1846575898
0	0
5.5462856999	2.4882092148
0.101984534	0.1779280862
16.8768068281	8.9999400446
26.0154083833	16.85839198
0	0
3.1031386687	3.3316395557
0.0538379401	0
173.4006607749	166.9936732426
2.3697286291	0.9922475813
1.2889597683	1.1039531135
0	0
0	0
0.5890575505	0.3083111092
113.4396846191	34.6348452056
23.1811252398	15.7014485097
10.5952588418	2.8754597251
207.808349795	90.8680659306
5.8264952618	4.0660955576
39.4908337169	37.5807168158
7716.882434801	6289.9369892509
0	0
0	0
0	0
0	0
0	0
0	0
0	0
3.3670809554	2.3497612715
3.8226509715	2.1826527849
4.1187106613	2.5868662606
1.180801231	4.0171828547
0	0
1.4133317328	4.438403757
2.9601019995	2.4788948517
0.867421525	1.2106828035
6.0159908599	3.285655456
41.8985462369	95.550331984
22.1257465187	7.7203701011
14.2497587113	8.5237539385
0.521460938	1.5284148728

gene_expression_table

14.6625410649	47.2266698461
3.2524742489	4.4522636911
25.574770695	8.167585401
28.6842465391	4.2895017447
2.0003701864	1.1865867161
0	0
0.0223295888	0.0467489825
0.2551403341	0.5341590094
27.6071281959	18.091238036
28.8277014599	14.5909222163
4.3799896272	4.5849491585
333.7707933052	189.3637416529
0	0
0	0
13.8323624506	11.790565036
15.8941820661	5.5459809187
24.9241196186	31.3085183296
0	0
25.5470586777	20.0568908531
55.2206280617	40.4632557608
0	0
23.3367868382	24.4288206785
0	0
0	0
6.2649597431	5.2465004435
150.9733817888	80.5099802508
175.7209604824	190.6939682122
35.2486424017	11.8073874744
0.4168678792	0.4363750133
42.0985414468	19.5677395439
15.7483571252	0
3.795443179	2.1393341508
0	1.0138472256
16.9582580661	5.0719461961
0.8478953759	0
3.2416748467	0
9.5463332072	9.7493164186
0	0
1.4163483394	2.3886747168
0	0
0	0
14.6712887843	20.4770996864
2.7065911318	1.8888298509
68.1390705775	125.3636711089
3.3659421137	6.4062723163
109.6098584272	113.8697647723
0	0
0.3790178378	0
1385.8765455036	1957.0223076151

gene_expression_table

93.8861341003	42.5702608464
0	1.637086258
2.5430643734	0
5.8398544633	10.6979734317
1.1103987425	0
0	0
28.9701993211	24.4563274347
0	2.2822830581
0	0
0	0.0981608637
0	0
2.1440102898	1.7634086105
7.2340138849	6.0909449258
2.3292563994	2.8446283188
61.9419753565	32.4202603157
3.9768538508	3.3090106126
15.745292845	1.9778503602
0	0
0	0
0	0
0	0.0926726099
4.7846993937	2.311660212
0	2.7094297934
0	0
0	0
5.7967221062	5.2589133653
8.2589093876	4.5769664775
0.301102183	0.6303842328
39.2045006003	34.8444819839
0	0
0	1.6207200938
0	0
3.6132396402	2.6476236294
1.2823121522	0
0	0
0.4213248466	0.4961706102
3.7204739477	0
12.3573899254	2.1559413516
2.3827141508	2.2946751561
42.9722396929	24.7407078656
9.6088576511	15.0877493618
0.9363488541	2.8315873543
2.5648275233	28.1908977775
0	0
2.3393570077	1.6325507375
2.749352191	4.3170102286
21.296973554	10.8609628394
6.7053214644	5.9223603878
4.3714714689	1.8304129588

gene_expression_table

0	0
0.6283413185	0.394646551
8.7159474045	6.0825373451
1.0474442866	0.137057368
0	0
0	0
3.214205754	2.2430753223
0.0479077775	0
1.2823629549	0.7550834172
103.4247728172	76.9880788399
0.9933290373	1.2997642464
2.3769795857	9.1234337876
1.5590079638	0.8159805
0	0
0.7874229644	0
0.8793535099	2.3012560978
91.7833213765	47.8311774812
21.7332967847	19.6550176936
0	0
0.6005039432	0.6286042396
1.3869754446	0.4355634902
0	0
6.811811053	2.9361156223
355.4109037197	64.8127793423
82.0177286749	43.5324723098
91.2441414644	77.0273126332
0	0
0	0
16.659289835	4.5891719419
130.8250228455	84.2750261935
6.5690955239	4.5843288163
19.9600296307	4.9162469938
4.9325109483	5.163325452
3.8310005142	0
22.4682616126	18.0920409446
0	1.3134894666
3.573758167	2.4939936537
2.0333012969	1.5963364979
0.5365356608	0
0	0
13.8590649383	5.8030373161
31.8796620816	56.5617893314
0	0
6.922922328	9.9644561301
234.6963587162	308.405381454
200.2586595729	117.6868313248
33.6700312184	17.6228021573
1.2654673291	5.2987370836
11.0339605743	2.8875723778

gene_expression_table

0	9.3858100502
58.4865419237	40.0867446537
7.5239710239	0
0	0
4.1386169728	0
2.7120662575	2.0278400772
0	0.2009964424
2.1020991911	1.1002329615
32.93124768	44.8139246774
0.6071679487	3.1779004203
0	1.7887013944
84.9079495644	28.5689496468
545.939111885	419.0897868352
0	4.4250717358
40.5838079707	23.8966357284
1.1157574404	1.1679687791
9.868330288	10.3301141101
23.9212604781	36.1698198107
277.8379686236	96.9464214051
0	0
2.7351802725	17.1790303943
172.7484472496	118.8325416995
2.1709002914	3.7874775633
211.6148027136	187.1976479619
23.0011704872	11.4654758666
2134.7760907554	889.1888278189
0	0
13.6180348247	14.9341073483
15.8511867506	3.5556290347
5.2828665488	0
65.0009779449	19.7942306301
97.4943474236	17.0094248399
0	0
0	0
36.1251376614	66.1772935178
5.3149627824	6.9545924222
4.7101460048	4.9305550467
4.3458812224	0
0	0
57.8297252201	64.8598282563
79.8227456095	80.9468251167
7.2153640982	12.5883393822
103.3842231304	64.9332232071
9.568441334	0
0.1645926051	0
1.1064724734	1.7735692811
0	0
1.9297754334	0
8.0050427054	3.3518539485

gene_expression_table

31.2675070949	10.9102184058
22.438906998	3.9148208297
1.9531814714	0
112.4655133161	94.7569111251
0	0
0	7.2991758469
9.7825483599	2.4381709661
2.0164542328	18.9973192456
0.8721505495	1.8259248393
5.5516762926	4.3585982581
0	0
1.5946338564	1.1556373771
1.3777857307	1.2362216217
0	9.7159551561
30.3810719575	27.7428155435
1.6188918348	2.7114353731
19.4262535847	14.5996996071
6.8891381134	7.2115120547
264.8666009356	133.5462073022
0	0
0	0
0.7922974371	0.6220294641
0.1674493321	0.175285044
5.022282292	3.7309853957
1.585751023	1.8970919861
4.9214114862	0.5151706596
4.5460847394	2.8552899675
0.5345999033	0.497436668
0	0
37.7724958241	28.8946459309
20.7443644593	8.5955553213
21.949450731	3.829427473
8.147396096	4.2643248106
1.3822607421	0.2893885952
3.3747931635	11.6074921574
0.4461233581	0.8405990791
0	0
3.3330256756	3.4889930268
5.6011842155	5.0815171045
0	0
11.29068067	9.4552181613
27.4287898873	12.9486874994
0	0
0.2802920276	1.4670407985
16.9799991316	11.1091063217
31.696164654	29.8614344428
0.1258918416	0.2259135266
0	0
0.4713335325	0.986778722

gene_expression_table

3.8918387299	4.0739554722
0	1.5622821044
1.7136871741	2.3918378004
0.1340505891	1.1225873812
1.4898944903	0.8664518857
0.0720110956	0.0753808206
5.026730548	1.4031877368
4.5628268534	1.4926069268
0.0584901957	0.1224544331
0	0
0	0
27.5019040813	23.7084586133
9.7482602532	3.4014751517
0	0
1.362323422	1.4260726985
0	0.0298087525
13.2666501993	10.4810994606
0	0
0.9641260956	0.2523104794
2.8578335264	1.4170568623
4.5376176759	1.696411906
39.0526322276	74.946816226
110.9819375264	166.6862777693
1.7635740286	1.9614808637
8.5517914327	4.6891263285
2.756375998	8.6560779054
15.5334828607	14.3473807085
175.0304081982	647.8166577498
8.0314857894	3.2335828257
0.5282866549	1.1060151553
0	0
15.6473114727	18.8612654207
14.703871901	0
5.2675633616	20.4020089897
669.2457403061	594.9223577416
0	0
7.8908150523	12.3900929843
7.8521399484	10.5680277032
1.9437201256	4.0693511687
0	0.6865253937
0.3154818599	0.3302446835
0.2998881107	0.9417636967
0	0
0.7792519773	0.5826547878
1.8537079041	3.3264879151
10.2474008056	8.1728937541
1.9854090256	2.5978941208
3.5712390293	1.6614904272
0	0

gene_expression_table

2.7291840931	3.2140068353
0	0
0	0.9381709703
0	0
1.7584818035	2.322875322
5.1691587427	2.1042960818
0	0
3.8650520481	5.6414875593
0.3584531837	1.0839886197
0	0.1238133972
10.4511069532	5.4700807661
0	0
1.4695860832	0
0	0.0885513945
0.1074538999	0
1.6488270259	0.4314957756
7.1130916041	2.7922295034
1.7510796342	3.055034288
0.6546376736	1.3705422643
2.3160810407	2.2379639552
35.9903810504	24.3061508473
0	0
26.8127722866	22.0530068099
20.428778885	18.7116421417
0	0
0	0
6.4374907534	3.9919650966
2.5462051198	3.1984242928
0	0
0	0
1.1628801649	3.3813794141
0	0
0	0.1811022079
0	0.451018626
7.3339453516	6.9094204525
0.8336140827	1.1634968762
0.4862171407	1.017938881
13.0486784684	8.7664069007
46.7927766162	58.7789068099
1.5726804822	0
1.571086537	1.6446047842
2.9416085459	2.2394616136
2.4289451707	1.6950710031
0.3510794757	0
0.9169310164	0.7198787754
0	0
9.7604593576	20.4343908216
14.5887787194	8.3992995243
108.8031438938	20.3990212409

gene_expression_table

0.7090187362	1.1545285589
55.0415882745	30.7291910496
0	0
0.3113307429	0
3.562730963	2.983557811
0	0
126.2303660813	82.0641905823
0	0
16.4689749388	3.4479265576
0.2692161202	0
0	0
1.9671887289	6.1777271693
2.2256840641	1.1649169456
0	3.1810331203
0	0
0	0
82.3255198206	65.3763404827
34.0594666136	32.1748960169
0	0
0.5599052646	0.5861057651
24.2095163386	63.3559728517
60.2546067494	71.5977319283
10.7416338533	0
0	0
0.4349579845	0.303541091
1.9092107909	4.3301947037
0.0420929393	0.1762506335
0	0.00735
4.8741017151	2.6333847673
2.3033041156	3.5070343798
23.3572680843	31.7192566504
3.8283724446	0.8015038624
0.6868421539	1.4379652116
3.1438126405	2.9917507798
2.1027137002	3.8519410785
10.1391189527	7.4295019411
0	0
4.9208295625	4.0064091211
2.5853133662	3.3828648444
1.6488270259	1.7259831023
0	0
0	0
2.227675385	2.9148979939
25.0721327224	15.3097998946
0	0
80.6838212992	66.9850273737
5.8653083979	6.1397727147
0	0
0	2.1347514038

gene_expression_table

0	0
0	8.0647669663
0	0
0	0
2.2220476251	0.4652054574
0.485148286	0.5078505693
0	2.1586884736
22.0127138261	13.1673075998
2.5077312648	0.8750264522
0	0
11.6880560946	12.2349931203
3.5344096249	8.3245514449
186.023697383	246.3912743875
26.4337471169	48.4237280457
8.0083573098	9.8284674398
0	0
17.3950913665	7.8038941685
45.9556886105	8.0176938668
7.9944148236	10.1303011708
7.9240842723	11.520677815
0	0
0	0
24.0150786227	10.0555411218
0.60478933	0.422060106
0.2546425463	0
1.1718603938	0.5257273044
1.0727939117	1.5721927095
3.2730339097	0
0.1040003192	0.2721674117
0	0.014779127
3.523931424	1.9862942179
116.8993218707	138.6855127075
0	0
1.6539422989	4.5756783184
1.3168479798	0
2.1267953207	0.4452635392
0.7622019033	0.7180819009
6.2087193116	0
0	0
4.9636367371	1.6886700211
13.88309035	8.8460174537
0.7870191736	0.5330777045
13.621652983	6.4395807927
11.9783486133	30.7459956622
1.210668238	0.6336604412
1.1122531337	0.582150245
0	2.2285434281
3.6389121242	6.6660882509
5.9733625049	2.1812383124

gene_expression_table

0	0
11.0370959348	6.6020409082
4.5668122878	3.7740900763
43.3350075144	69.2134184509
0.161173359	0.5061461691
0	0
0.669000623	0.7703368079
9.4399667308	6.3752938606
4.3546513312	29.6297635984
0	0
0	0
0	1.906096663
0	0
1.1776393219	0.7396478363
2.5210435746	3.8809038376
1.0891128708	0.8957750918
3.1549928531	5.5043820718
0.7125838407	2.0886008152
1.4686551743	0.5878218391
0	0
0	0.3474514888
0	0
0	0
4.9671521966	1.1303451568
0	0
9.2679480898	3.4925894325
0	0
0	0.2039067346
24.7098883258	15.328104176
72.1561155567	92.9632328173
49.2588602037	52.8860565514
0	0
0	0
5.3000886718	4.5393576547
0	0
0	0
8.8130799282	2.4277588978
57.3573066931	51.1162543034
2.4283284096	1.173212715
0.4159072883	0.1451231573
0	0
0.4852719351	0
0.9231272423	0
0	1.1144671832
6.3415986252	7.9027984721
63.7212184311	112.7458168587
1.5190311494	1.5901134896
0.0867612182	0.0302737227
0	0

gene_expression_table

18.5331367562	28.6155694616
62.7442808876	90.569772911
0.279918738	0.5860348043
0	0
93.5301809752	24.4767203269
7.6342548473	9.9406415795
0	0
0	0
0	0
5.3233542768	6.6869497298
27.8715183794	9.7252509418
57.5360242287	193.5912700164
2.7438170127	3.5902657809
0	0
13.3487806601	47.5096637066
0.1984070329	0
3.1457783487	1.7731449886
0.9662414802	0.1685760484
8.4883297305	7.7748449475
31.0505720444	28.111194633
0	25.8548449303
9.1954895865	3.2085960493
2.9889917106	1.3906045138
0	0
0.0710310153	0
0.348524026	0
8.3901271173	9.8160025515
3.2991665829	2.4174846597
0	0
0.5689998127	4.7650071063
0	0
11.4568068907	6.4577276184
23.7187029883	8.2762028044
0.1508117532	0.3157378349
2.2650891074	5.927707187
31.2105584116	83.1296504143
3.812499805	0
0	0
0	3.1186685334
1.1210030856	1.0267774053
0	14.6475766389
8.9846857955	7.7453928538
9.5128159242	8.673065089
13.7541600615	12.5198082083
10.7456753684	16.8727712043
0	0
4.60844205	6.706664354
0	0
7.9591738572	0.6408938163

gene_expression_table

5.6897519232	9.8503096078
0	0
20.4333893141	65.0242625464
0.6450210405	0.1688011233
18.5134672646	35.744957361
3.5411764504	2.3168025738
15.9140904943	11.3041740358
3.8486517457	4.7002055026
0	0
32.0703834881	89.9373962594
0	0
0.6198652446	0.324435772
1.3204041538	0.1382191838
1.112497795	1.2616029835
0	0.4319424381
14.6387578019	2.8732071582
79.9427900868	65.4555477138
33.2855810854	24.0297682899
0	0
10.0621383326	6.8154649653
5.0747735025	4.2497960918
26.9145268149	10.5228115442
12.3914296256	0.8945710815
13.6714811938	7.4667295584
0	0
1.9582138678	1.3263719469
0.0142906253	0
1.0763867344	0.3072970199
27.15109141	6.3159141819
0	0
0.8353064089	1.74878835
0	0
0	0
132.6251834538	261.7961955692
12.9637208891	4.7895360149
29.6444291289	32.9123307016
25.0814474796	25.1761442731
85.8286333302	101.0755613291
10.3718413478	10.4396026254
27.0962725561	23.2586683888
12.4436059105	5.3068475494
6.8007402762	16.0176997862
26.5510333178	5.053359326
17.1917635022	9.2288430248
6.2135434914	6.0397102105
7.6993633075	40.2982567568
3.3203957511	4.8976788555
1.1977990358	0
1.4025046079	0.5872536576

gene_expression_table

13.2228021641	6.3779722981
13.5835846062	16.5502419849
29.1359727658	8.1331671342
0.4484113286	1.0952538881
0.2737045985	0.4775207916
0	0
0	0.6240917694
0	0
28.5335334837	14.9343733057
5.1082828333	0
11.0627157157	13.751713405
0.3987236901	0.1391272585
7.1314042686	5.1149861622
2.6621441505	9.2890597327
0	0
4.2206445879	1.9329395942
9.2169885431	4.570244118
0	0
134.5468310051	121.9060273492
2.960059629	0.2694412358
21.8648135402	11.4439835451
26.7384617596	7.6335478254
5.7767453006	2.1342583586
3.2695074086	3.8027805029
26.8911163765	22.4046828919
0.545376973	0.570897629
6.2267346404	2.7158798859
0.8175075983	0.7844489377
0	27.0845517835
2.8548506232	1.8111769698
143.2935630861	52.829807321
39.9582249442	16.6798976679
0	0
0	0
1.7847443397	2.2834296249
0	0
0	0
4.0456196509	6.4444624974
2.4915805823	1.3040864553
3.166664385	2.5192836734
0	0.1575986971
9.5535845158	3.3335466531
18.3212500289	14.3078326644
105.825882412	44.5658436617
0	0
1.867535388	2.9323887273
10.0363444805	4.1387235094
7.424815371	4.5129228821
3928.4648295519	5297.822095498

gene_expression_table

1.2839653045	3.3601196256
178.5422248448	134.849751014
18.9113482524	8.0127863948
18.4983684166	13.4706022735
4.3605177616	5.1351368808
20.7754321853	13.0929480665
0	0
19.4084404746	15.3962107334
0	0
0	11.635568091
0	0.0762287717
0.7559642979	0.3165357151
0	0
36.2198685586	31.0211673385
0	0
31.0820402371	39.4705197532
5.2091892649	2.6599759995
0.381097362	1.3297687727
0.1892031807	0
0	0.2696857183
645.0856938558	139.0266236622
0	0
3.1661440004	2.3200115421
3.940391047	3.6664709083
4.7607182445	2.4917468952
1.4147561767	0.6098066549
0	1.019167035
53.474129933	68.4494344675
0	0
21.0193538266	8.8011777965
1.4471805844	1.3886589856
1.8127522948	2.0973243527
0.0498055415	0.0521361681
0	0
0	0
1.0401454924	0.6303686666
19.28751462	13.9407589545
4.0527277484	3.1817799118
0	0
0	0
15.8132818274	6.9697923491
0	0
0	0
3084.8769007152	2047.3771803671
3.6921011506	0.5521244668
2.2248511494	2.2254525785
1.3102646728	1.7144723562
35.7658821488	13.7278275172
187.6201067102	22.9558091335

gene_expression_table

0.2982330106	0
0	0
0	0
9.3427979058	3.2599965633
0	0
0	0
0.1248250087	0.3919984067
1.1621054588	0.9123642233
1.3014260951	0.3715433755
0	0
4.8236627729	3.1705433025
448.4058996523	153.8333174578
10.9949805852	4.6037941888
0	0
4.0512820848	0.8481719806
2.2717660966	1.5853815404
5.8107061117	4.7791977674
0.8716338587	0
205.7941908098	117.0205705156
0	0
0	0
0	0
0.3871105948	0.5403003346
6.8528620551	1.0760307713
18.908220579	24.1114992441
0	0
0	0
0.971490586	2.0339020518
3.1098077845	4.557461665
7.2421770976	2.6368943757
2.5553109138	5.6841316292
0	0
6.7684587313	3.5425927691
0	0
0	0
1.3860667314	1.4509270648
15.3221885655	4.0097957729
0.138778419	0.4358174675
0	0
0	0
1.0181856982	0.5329156068
5.1047381	7.481056648
0.2557693545	0.8032138792
31.6163566423	3.6773143348
0	0
1.0982243564	1.1496152428
0	0
8.1237874599	7.9885461555
2.6194513167	1.142511373

gene_expression_table

1.3604815416	0.4747148761
1.9679063318	0
2.6749925631	1.0267281082
35.2363633188	20.6557300211
1.2599503054	0.6594545403
847.2290349726	1108.1206456481
2.9139470062	0
24.7214119976	30.5409844278
0.324800496	1.9039965318
63.956761931	36.517957192
0	0
0	0.2020439731
1584.6285584857	1759.1803704306
0	0
13.0762685206	12.5474857626
6.0858066407	0.3981618167
1.6858078294	0.6417070563
0.4088051595	0.4279350025
0.2602617626	0.4865010499
452.5879918353	368.0151513677
0	0
5.6423224889	5.9063522861
205.1635176621	44.9506144649
0.1925848645	0.2015967816
3.2711595093	2.568173897
1.9407288905	1.3543629172
288.4974395604	333.2095762843
217.0459909285	126.4888172948
197.2135575447	75.0698444247
0	0
0.2953524985	0.270526706
3.2725296582	0.9787617506
2.5217145961	4.1179585688
34.0669274607	16.6418341263
0	0
0	4.1738625787
41.4220423287	9.3872959696
8.3971264298	3.5811379866
0	0
0	1.4743179132
32.9535331692	11.1603340847
32.6609456157	11.199942786
0	0
0	0
0	0
0	0
0	0
0	0
55.368336788	63.3592039256

gene_expression_table

8.5997924975	9.785017062
0	0.4976759537
2.9492753377	0.9080250807
84.8279568664	49.493655506
0	0
3.0771688163	0.6442326935
0.0133249092	0
0	0
11.8091398409	14.4983404651
13.8460561851	6.2117039137
126.9754950962	112.4234034143
0	0
9.8498118409	16.3253210768
0	0
0	0
0	0
15.9311545932	8.3383226975
3.329238332	1.1616761521
23.5511584136	10.7857853555
0.3546258885	1.484881753
0	0
36.8977275638	12.3050992063
0.6205703752	0.6496096708
2.5770332528	2.8202435844
0.2513482376	0.5262199177
30.421168557	16.211853723
0.9194817887	1.1000097162
16.6044563163	11.0609252422
0	1.4030424763
18.0251090136	17.5673036637
5.8742040992	7.9059660249
1.5928253914	1.667360898
0.7463768152	1.1719547449
0	0
9.2944583561	4.6845202031
0	0
14.8430750103	10.4433382863
0	15.2625109374
18.6936894858	22.0145082681
43.1830877708	27.7919781138
410.3629785541	292.6027360977
0.0910557206	0.1906332595
33.9915602628	44.8335457387
3.5932641368	2.2568455338
4.1737558616	2.5845171949
0	2.0954096649
60.3207665759	15.7858620393
0	0
18.2762335025	10.7136182476

gene_expression_table

0.8262549195	1.6001003821
3.2499598995	0.7731909607
0	0
0	0
0	0
0.6381224538	0.6679830905
5.5085301812	4.1517354463
0.1207946087	0.1264471349
6.5578566949	4.8307348562
0	0
33.4840807892	100.1055201214
7.7062373298	7.4906436803
0.6191248695	0.4320643489
0.1757379759	0.0919807754
0.0496667567	0
0.6200323277	0.5331452945
24.873045603	37.6089536932
4.1039674095	2.2172958
14.211970153	15.3813180463
4.7997335815	1.6747782772
0	0
1.5999270103	0.8373974169
1.6081478766	0.8860002061
0.5094293705	0
3.4744657948	2.7277888268
0	7.4565964527
0	0
34.9296295086	24.3760966051
2.6870432795	4.2191732875
189.6247674292	159.6615700969
0	0
0	0
5.0941333561	2.1330043614
0	1.7842429848
18.8977833633	5.9346288442
11.8215793792	12.0403114672
2.4548654778	1.3604504507
30.1067703702	122.5606758824
12.316637498	33.5217705977
99.6634707672	47.115498603
308.7565022308	254.4176276738
67.0980998023	0
0	0
38.7749358165	34.3448688806
0	1.9123362841
5.7893263002	0
7.9398503707	4.8483119372
59.5595308036	23.3799715196
1.5156454085	6.3462772581

gene_expression_table

6.5624540469	2.7478163851
1.7364873039	0
544.6095798012	938.3853508464
2.5364879982	1.3275908738
73.3106616793	3.0696479689
166.52121298	164.8911429141
863.4096279258	448.5084441541
20.1115625255	9.0225743692
194.1699060867	137.1977962792
0	0
63.1573138432	5.509394192
1.5626480438	0.5948259694
21.4737660402	10.9511229092
9.4533070516	89.0610305286
31.4796963585	17.5748126809
31.4839491072	20.5982659567
0	0
40.7316988397	0
5.2274101009	10.9440485404
378.0218784776	123.65976015
2.4922840212	1.7392728444
14.0121746081	9.429343492
54.1635263465	15.1194887466
75.0016962449	146.7821170751
9.2721723248	4.3138040972
33.1496514919	32.5977904138
0	0
124.3015489426	45.541363281
8.0467677675	4.2116562189
51.4106152234	43.053080408
138.3886782181	72.4322552963
40.3816343363	2.3484040949
24.3317078407	50.9405970721
79.3336356486	23.72743297
0	0.09887469
5.1311335465	0.9765895455
2.1367918765	5.59195509
5714.5064890718	7478.971802539
1.1431036638	3.5897839682
10.2276409382	4.9413408606
180.1917209342	49.6378175814
3.828885692	2.0040282884
4.72964639	8.2516132388
0	0
207.1992309844	51.8662005416
0	0
27.2884322209	20.1015647081
0	0
15.6136073743	7.2965351362

gene_expression_table

0.7647097229	1.4675722429
0	0
0.8801649128	0.9213518112
0	0.1329320105
4.6264539606	2.0891142512
2.357131033	4.4413773453
23.4792160133	12.7127145305
0	0.3303434226
0	0.0348181285
10.8581426852	22.7324886153
7.2934031872	1.7618525816
3.4870854379	13.0366497942
2.371499571	1.7377309358
0.6785864934	0.3551703128
0.5023531939	0.3505737151
0	0
0.4020335525	0.4208465214
0	0
0	0
0.7642385619	0.6857149217
3.1379663931	3.0795056605
0.8314798136	0.870388516
1.7113314658	0
34.864415494	58.3934067748
2.5851206522	5.4121802871
0	0
1.1743414159	0.7822781043
102.4616506237	91.9339669972
0.035204248	0.0221109684
0	0.3524242712
0	0
0	0
13.2246736019	9.2290106086
7.9276189135	13.7107107241
0.1028031604	0.1434850472
0.4911319806	0.257057134
0.561004087	1.3100326297
0	0
0.0161135327	0
0.132988715	0.2784237173
313.492720045	184.5913853086
1.6247100422	4.081770182
42.9531195508	70.5303378041
1.3533332874	1.6527721873
3836.7037214147	5530.8395988733
0.6998967143	0.7326480481
0	0.0846606898
0.3457160202	0.0603156062
0.7189784748	1.2041963689

gene_expression_table

2.8805463606	3.6184081889
47.6864917816	65.277330324
4.0884329095	3.2098118872
34.3937995381	31.6580222837
0	2.6425498581
0.6207449245	1.299584776
4.7703791434	1.9206179871
0.5435863893	0.4267674419
0	1.3490513729
0	0
0	0
2.3694684195	1.2401732836
3.9095477664	2.8135890713
0	0.4770676299
22.7661603996	19.625934627
15.6415469645	6.8940992484
0	0
2.0622768983	1.6790512393
112.2593873225	21.8895855607
12.5331898796	10.2041913079
11.1218904552	23.2846680581
0	0
72.4207462353	37.2156417537
23.5356606252	22.6660406162
3.00643894	5.874631131
0	0
19.7171237918	9.0299025344
7.9948386797	15.9174210832
2.6707001982	1.0650187976
9.2157514908	7.549824677
17.3906183723	19.3565815613
0.2008122501	0
14.8080519243	11.9238366699
9.4395227019	0
5.9350214705	0.7765934972
0	0
24.3003929014	0
208.6343125346	187.1976479619
67.2500055162	46.1221314902
0	1.4414521518
72.9716146256	43.6493066423
4.0359256041	29.5734937616
8.3268479483	38.352594885
0	0
0	0
0	0
0	0
1.7853349887	3.7377577806
120.34924422	87.3738707099

gene_expression_table

34.0496523289	27.4176843187
1.457235879	9.1525592331
388.0389055937	252.634720517
0	4.1556959462
0.3990087689	0.278453463
0.6569984441	0.6877423738
0	8.1842449954
6.8028842675	14.2424440021
0.4388184071	0.4593527057
0	0
60.2758349062	26.2901724714
13.6275359316	5.7060919975
4.0139041846	4.2017329218
10.1557191247	14.4967515964
41.417944139	28.9040514234
0	4.1007069083
0	0
1.9949712382	1.4916606918
0	7.5664971597
147.4099577057	105.5791144905
0	0.4267459417
0.5545588859	0.9675153419
17.1428807253	9.9007303035
164.0766378813	148.5876365418
1.8092569264	2.1644802786
1.7150151123	1.0098384912
3.2423088199	1.1313437063
0.1597037801	0.0835885213
1.0880910104	1.7796995496
29.9764322832	34.7412185855
2.3705096008	6.2035911753
11.8444407893	7.629966623
3.1618996354	8.4019503402
493.9067792121	236.4660140271
0	0.3531270335
2.9688988979	4.3509579536
48.1399863836	9.448626403
9.1631554853	6.0580679923
0	0
0.2111203224	0
43.1431167539	42.3393547331
0	0
0	0
0	0
1.4373694811	0
0.2724383114	0
0	0
0	0
0	3.2113329809

gene_expression_table

9.820425772	0
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0	0
0	0
12.1975992388	4.7568474858
0	0
0	0
3.8306038071	8.77155801
0.7454167108	0.2229423232
8.3552202748	30.6116959174
2.7551175931	1.8352994612
2.1884154429	3.7089487758
1.9217552303	7.040889983
0	0
15.4382613225	19.6698652574
2.6998184456	2.8261551657
1.6151220857	2.2542679406
0	0
1.1269322366	0
1.2500964891	4.2529310192
0.7816121739	2.727291146
0	0.2395371845
84.2980858285	67.4076750872
0	0
0.6147091185	0
4.3358682078	0.9077526197
0.1704787763	0.4461406239
66.7489853237	26.8740278245
7.8096934407	3.5544105786
3.5001394959	0.6106544765
3.3072569066	6.0585322358
0.102921711	0.2873010227
86.2000621695	26.3181779813
2.2152751297	2.3189378757
0	0.2298344844
0.6742263412	0.3528882211
2.10532061	1.4513080082
3.4377284647	2.3990635554
40.1918003916	20.5231983289
1.1477317929	2.6213222318
1.1224086728	2.0294267094
2.9685993804	1.5537567882
29.8271207645	26.3114045172
0	0.6481268274
0.3647317972	0.3817992482
0	1.8142415015
558.1589773605	373.5108975869
2.7720741099	8.7053759982

gene_expression_table

0	0
0	0
3.1840549925	3.2475884768
5.5077544593	4.3738178831
6.5557020587	6.1762257166
0	0
21.5428441562	12.2150877885
3.1512439413	2.2837187788
0	5.9905895122
11.406553185	11.6999083404
0	0
1.9405349727	2.0313413838
5.1959855691	3.9386797962
0	0
2.3545590561	4.9294790545
0.2750239893	0.3838581414
55.8172393854	39.9778603789
2.6047509187	5.453277998
1.6505326054	3.0853008815
12.5288201549	8.2187962098
0.9831362765	1.3721888946
14.1442576573	17.978873924
0	0
5.9485411821	6.2269003374
8.7167298056	5.6775444636
8.0241124557	4.7997697037
2.2345343135	0.1754323713
0.7552411066	0
0	0
0	0
0	0
0	0
2.4209969031	2.5342863016
0	0.5106211086
1.4560886815	0.7621128294
22.6179165047	4.9325648228
5.051205266	2.643787007
0	0
27.3803383713	11.942328451
27.2987581084	29.3165063261
1.4146769656	0.8227089452
8.7481414445	4.5787532812
0.408348136	0.8549131855
0.7240866929	1.5159399705
0	0
129.7319572932	135.8027025294
4.8592928318	1.1738494912
0	0
0.3454352076	0.2008887132

gene_expression_table

0.3700448989	0.4648331688
0.6562525008	1.144935874
0.4890183312	0.4095213692
0	0
0	0
4.4539202841	3.1082262436
8.6457519497	4.1137844545
0.1302540175	0.4090475768
3.4480637041	4.8125522734
2.0229234206	0
0.2650040391	0.8322143312
0	1.2750347814
0	1.6997478821
1.3469720556	0
0	0.8423186797
4.3348875049	1.5125788346
0.8026613933	1.2603323271
12.7931297512	5.120385772
8.7045403236	0
155.2309425149	168.704896839
26.966285969	18.6049239624
7.5107975275	5.3606329946
3.16006783	2.8353786009
4.8503111281	3.5839617391
0.1537254502	0.0804594798
2.5078348889	2.3626690468
0	0
54.2103949945	16.5512505211
58.4262154236	18.3480727154
163.1614474886	77.2650877749
0	0
1.1916693669	0.9979463745
0.9450625799	3.1091856207
0.5580958353	1.168423329
5.4049672599	5.3250730654
11.8796635716	4.145188926
0.834654071	0
0	0
0	0
37.3291700434	1.95379854
0	0
0	0
9.3276731906	12.0616059788
0.0956340915	0.2002184867
28.5529106208	16.011980621
74.1850836608	36.7846765416
1.1540260748	6.0401408801
0	0.1150557719
5.0080388059	2.1843281666

gene_expression_table

0.5871715149	0.7683099083
1.3233895515	1.0389877021
0	0
5.5204079431	3.0957497181
0	0
26.4450853528	18.6857351169
3.3238984745	6.9588774453
3.8756677107	2.5356423362
21.7727240746	15.5397056875
0.911444354	4.5319510555
3.8596337064	3.0705850067
0	0
0.1989411522	1.0412525439
7.4445508237	6.1523013463
0	0
169.0439055337	29.0521877849
0.43754898	0
0.0754034173	0
0	0
0	0.1020516309
3.6529042169	3.9604058513
0	0
1.4073097106	1.4731640992
0	2.6134033383
82.0768457333	29.2900884173
0.1474293935	0.1543282819
1.6767138929	0.877587461
0	0.1257339108
4.606071886	6.867142696
2.0855973547	2.547057206
2.1779116771	1.1399130091
2.0484857506	0.5360859167
0.1294403922	0.6774874687
0	0
0	0
1.2274601193	1.2848985317
1.4366421965	0
6.4035621652	5.9146004215
3.7716293806	0
11.244137336	7.8468675964
0	0
0.5967794414	2.4988218062
9.6946273035	10.9289199137
9.0061556329	0
5.3849942345	11.2739649568
980.7126987781	559.0898743396
0	0
0	0
0.4487744067	0.8455942648

gene_expression_table	
0	0.2141145702
0	0
0	0
6.7463862547	3.8026585642
0	0.3275850248
200.1434277965	129.0454258398
1.5222387351	3.5853101386
0	0
0	0
0	0.0681553974
0.3270118491	0.4278927663
1.1560869828	12.1018552329
7.2917601587	3.8164873036
0	0
1.0151945096	1.5054917428
1.4250296445	1.0441992602
18.1813494236	7.4271754233
3.6202714908	6.0634885972
10.8320036238	8.4127189635
0.6043113279	0
0.1317491181	0.4137427664
4.0919316122	3.7891718051
29.7314815073	21.2200582112
0.3684811747	0.385724076
26.355881639	19.4747241773
0.0740187958	0.0774824702
0.1164601661	0.0609549321
20.1161839899	10.5287556258
0	0
5.1154679328	3.3467773885
3.2993907796	4.8928609526
10.6647433301	13.1338763784
0	0
19.2682693138	9.4126287788
1.1595036215	2.1240835734
0	12.8514220676
0	0
0.6539694266	0.9779594498
1.97757834	1.3800787852
0	0
0.6467686157	1.1078735653
2.252583512	0
12.7988509276	25.3664389843
30.0144671309	31.965396885
1.2360378564	0.64693883
0.7007852367	0.9336449163
0.8577973007	0
0	0
3718.0136783345	3149.2806367074

gene_expression_table

55.9643526067	14.1033576349
1.288252752	1.0788287414
0.4026847623	1.3488902536
10.0760870052	13.2821537754
7.2106491545	11.5737043465
1071.5135633205	1142.3779402113
1.4111545956	0.9847926025
1.2595020591	0.6906113546
1.9858646844	2.0787922777
3.6823190522	2.9144774157
6.6368922175	12.4061829144
3.2093403808	1.343807975
0.1049573867	0.2197376353
0.0956589631	0.2002705576
0.7384587366	0
1252.8762826939	2212.8813743042
0.622272442	1.9541741549
4.833030498	2.9895212818
2.2112120034	2.5251104917
2.9844749753	1.5620660311
0	0
33.5073740628	8.7688339237
0.4000707407	3.7691267462
17.0107858654	0
50.0237159958	45.0916975493
5.6983266288	4.6867677317
0	0.8357862428
9.0730548969	3.9573434105
5.2964094051	29.5693459418
1.4615787657	1.5299726488
47.7405949036	19.989837334
2.4305258819	0.4240435308
15.9501264839	2.7827508444
3.5474939733	2.8882756517
16.663126561	2.1803587053
57.4922261894	18.8070461152
9.7140692206	8.8422908429
0	2.6116910842
10.4263244829	61.2875395837
7.1342568536	7.4681010097
15.8166292092	3.8207909654
13.9674304586	8.7726178341
3.0894457712	0
25.0212568129	12.2775537302
4.1287188169	10.2645605941
2.8062008188	3.3047051078
26.249076363	49.5493907328
0.9976859047	1.462120999
25.1153642643	11.684722573

gene_expression_table

802.649568477	543.587894367
4.3921140014	1.8390563548
69.2895606766	20.7234093462
1.894113299	4.3620443459
4.877655718	2.917659027
140.0725805558	75.295053958
4.7394572582	11.1627852892
0.3262257946	1.0244741266
4.9546263226	2.828986748
0	0
44.058244117	0
3.8141684636	2.5667039975
3.9354298396	0.8239172814
4.5617175918	0.9550361994
1.733697019	0
9.1046727748	2.1179381348
5.5369440955	7.5794405334
83.6076986762	31.257171846
2.9046379397	0
68.4496396398	47.022089605
0	0
0	0.8633873785
52.7613698566	14.3189700536
27.4037226427	16.6077228898
295.0272198975	90.9576285483
7.3212118202	10.2184059268
10.390583217	9.4536721713
2.8076531861	6.4658791594
2.5003571419	1.5704160991
0	0
1.7165954256	5.0912809608
3.3036563139	1.7291246699
0.8793774001	0
37.7894569807	9.1287223029
1.489944974	1.8521036605
0	0
2.6508795838	3.2374139386
0	0
2.9665588255	1.5526887673
11.5343582958	11.3638617469
1.8469158281	4.1083504235
0	1.6202550823
8.6545784344	6.7946739869
0	0
1.8830315665	1.2449350314
2.1355085063	0.9250090805
1.1657047338	1.016877777
1.1889180235	2.666899022
7.7549490508	10.2825950572

gene_expression_table

0	0
3.3452399235	2.1886117716
16.8847800442	12.9162696389
0.1056138926	0
6.7461699343	4.2371122486
0.300138379	1.5709160584
16.2835073781	11.5665800306
0	3.4273492091
31.1105047584	13.4870560331
0	4.6212185326
161.722999996	49.2482184318
15.6130694193	4.6696215933
4932.8133179343	6244.8948861798
13.8295763062	28.9534495032
3.5022855815	0
79.4442152268	58.5212451979
0	0
32.0608733088	12.5854299847
0.391922838	0.4102626808
5.9813588367	4.6959402589
2.0076990041	0
0	0
0	0
0.5617490959	0.3675224236
19.8972219676	28.8050999015
45.2999174166	23.7098527529
13.472064236	4.3049685174
0	0
19.3219456451	16.1808855211
0	0
3.4172427518	10.7314530029
183.0854362077	130.1792821899
0	0
0	0
1.7970491939	0.8550642074
29.0506527273	8.9441365306
3.2824382258	2.481583261
330.824024893	74.7703497492
18.3077620728	28.7466976367
0	0
2.0481487348	0.8575963523
0	0
0	0
84.6446740184	8.8605581279
1.6639997607	1.741865838
3.2827711303	2.0618321064
13.0501591644	9.7577393967
25.7688448797	15.4141061253
10.07276889	4.5189082797

gene_expression_table

6.5526938413	8.002544705
9.1392644876	1.6494710383
1.1708067476	3.6767822775
39.5643052687	31.9492528319
13.3235051225	11.1575777661
0	0
0	7.5094801155
154.288595973	85.0044512822
5.6766263319	0
20.9196973459	12.2224881673
123.4870055788	106.4539586929
0	2.00893954
241.4387604443	144.4210128013
2.8874329478	0.7556372498
149.0931522093	66.3297055249
9.360359556	9.7983731293
103.8105302907	0
0	0
0	0
0	1.6638565253
60.6826459405	6.3522261494
16.738834472	32.5410805005
0	0
90.0178578224	28.0685704104
16.037433707	38.3723378042
9.4236675508	20.4881059211
95.6993298726	95.6240102007
0	13.2148105621
0	0
622.1120371498	277.7276580418
44.486150831	5.588143092
301.4372437363	174.0926103075
5.9087483287	0
0	0
0	0
0	0
2167.567263586	733.2735961201
0	0
75.3819520055	53.8440711355
117.6655917182	35.1919134619
49.3981279583	0
1.2516783254	1.8925833583
1.4670106665	1.5356587328
6.864634235	4.3115169173
0.1784055743	0.7470159132
2083.7847646769	460.4955016744
14.8125538458	9.8672638003
88.5532100543	8.0606100348
8.3242781979	24.3986647431

gene_expression_table

1.6397225605	1.1703085894
1.0792432304	1.4121823801
3.6323934326	3.2390555473
0	0.0407714343
5.5678962765	3.2530846518
33.0736955156	15.002590792
13.9658233905	2.4365579089
49.5869619975	39.1753662633
2.5735965131	6.9595690726
0	0.1209744799
0	0
4.2017728015	8.0637200623
9.6786357716	7.2368163779
45.3139784062	52.9076272966
0	0
0	0
0	0
7.6559875455	4.3714068225
4.6675256274	1.2214850673
3.0736234216	3.4319489789
53.245857596	50.8297702239
4.0213130664	1.2027109996
2.6959956142	1.4110767234
0	2.8382287051
0	0
21.5984527481	21.4191872255
4.7146483155	2.4676340205
0.8626484695	0.5418094166
1.4080721845	0.8039794105
2.6197693313	0.4570600318
27.9347191014	24.0815737606
0.9800849843	1.2824344937
0	0
2.1105757757	2.4031408464
0.2139616826	0.3359608767
0	0
0	0
0.6614243485	1.7309384658
4.0739747123	3.1640687641
2.0858821569	11.2293772474
5.6197446156	0.8403882703
11.0285003446	11.5445737726
11.5539073609	4.6517565232
0.3662818053	0.348565262
0	0
7.2032739476	8.8709973245
4.8986202774	1.7092829611
8.695264834	9.1021556161
21.4941702104	7.1341398992

gene_expression_table

0	0
2.3887913907	2.5005737477
0	0.0246510893
5.8084101796	3.8992663729
0	0
19.7589937635	9.0806077223
1.9015464308	0
7.1509639768	5.0902011557
0	3.8207909654
16.0057123066	4.7870548575
2.2707390296	2.6411079804
0.5894759305	1.8511805289
1.4750521686	2.6469883427
9.7930906888	0
4.2078760044	1.1945170334
0.9915641198	0
8.3777107735	10.5236901173
4.7225158075	4.3255657275
1.3356859702	0.23303146
0	0
0	0
0.0798808587	0.2090471137
0.2837865239	0.7426654483
5.8046399183	3.7976658015
0	0.071536676
0	0
0.7696360921	0.8862159317
1.6365985972	2.6040373243
423.6234694407	469.2785764472
0	49.3558256098
469.3314887459	497.8881779336
3.3625725478	5.1625530451
3.4216155935	1.6966082216
0	0
6.7138587417	10.8615017872
0	0
0.0379416358	0
1.7118383017	0.2389257281
0	0.2278722075
0	0.2109735513
2.4983885999	3.5306543332
0.9833353927	0.6862334032
2.6857524698	2.8114309792
0.2991434901	1.1481864806
26.0729535578	20.4697687638
0.9666165963	2.5296224005
0.9800948765	1.2824474376
19.9834725357	15.1325967523
0	0

gene_expression_table

0	0.0835802736
0.7062397486	0.4704559375
16.418380516	15.1317427899
23.7782356985	28.0022927943
0.810175294	0.6057764725
0.8515387519	0.2971287009
10.2332323792	7.7127059672
10.4739909431	6.0911757597
2.1547375917	2.9773491164
0.3063422614	0.1603387009
0.5242692821	2.0580083019
30.7072047584	13.5719676043
3.9337222181	2.1351549739
0.1482114613	0.4266541018
24.5348233731	21.3051485195
0.308434298	0
0	0
0.0458624011	0
1.3674861361	0.4294430998
0.3758578154	0.7868918062
1.8385897076	1.1963889104
0	0
1.9040968601	2.1925179837
3.5853038707	6.2551274334
8.808629128	11.6114089298
10.1210027075	4.8432503841
0.650563238	1.3620120706
12.9640408574	10.6626826297
0	0
13.12295885	12.6525381939
0	0
171.8940199625	117.5688681047
2.9468429848	6.1694782012
0	0.6590953603
6.0160357355	11.1418250095
0	0
50.2945312791	75.2114856406
0	0
2.7680243448	2.6560900002
0	0.5802242325
1.4758624521	3.0898494671
0	0
1.9653970092	3.0860502412
20.1718889492	9.2043330581
89.044862676	57.5135864997
0	0
0.0965795567	0.0673993008
1.933926232	0
0.648737791	0.3233786511

gene_expression_table

0	3.1106517587
0	0
1.219395554	0.3829369767
0.8685290457	0.3409392935
1.0561596027	1.105582089
0	0
12.4283192096	3.5026644411
1.1416119403	0.9958609401
0	5.5382108992
0	0
0	0
0	0.6107425336
0.392331378	0.9582774558
4.6076124949	2.5971203623
3.3127855497	2.3118705159
4.6858854008	1.5489976356
0.1524913708	0.2128361759
0	0.0129600575
63.0036464129	28.853944035
176.0006706827	50.2463286423
1.0331878853	1.2978425051
18.1063527939	1.5794692467
2.7143080373	1.8942151939
40.2074218151	15.6330233409
0.0508184862	0.425572105
0	0
1.9099135428	0.8568373023
4.5295058535	3.8793779391
95.9955237797	65.6245476937
0	0
0	0
0	0
134.7223178953	31.8447126702
2.2565618617	0
10.4005904711	4.665977638
0.2736452073	0.5251588918
0	0
0.3898364849	1.2242360935
3.3594813981	3.5166867322
1.6874876947	2.2080660985
0	0
0	0
69.996773431	42.2724456638
1.0150406367	1.859443216
2.2147951243	1.7388265566
1.7013289398	1.068565091
0.6914541961	0.8444455441
25.2187276529	19.7396626985
0	0

gene_expression_table

5.5873021127	7.6957332336
211.8962025015	37.4563435587
0.5726236306	0
217.759651849	167.7365063421
13.201228087	4.381625673
7.2812874802	1.7589258149
0.3424690876	0
4.1723201388	3.8537310663
3.8178961246	1.3321842526
0	0
0	0
0.783049239	0.8196916557
5.5424868741	13.537638126
37.4225572468	37.5067608641
154.9397180196	127.3164202688
0.386803735	0.4049040318
45.5535716485	17.9683472976
0	0
0	0.1541401263
0	0
0	0.1883967255
2.7275115428	0.5191171178
47.2563657252	44.2605780528
5.5000436151	3.8382770267
0.038624155	0
0	0
18.655978873	6.5096588436
94.5411518772	159.7925268151
0	0
1.2096715809	0.8441850581
33.4095226104	20.4719445835
297.585292419	942.5194165888
3.6254618442	3.7951136068
1.9380911817	1.5706708929
1.5723608219	1.4726819936
0	0
4.8683088433	14.7221216712
4.5261662177	3.9483050108
3.3744915914	2.0185138974
1.5290238043	1.8292271382
210.6516022802	69.3028109134
193.3177971765	202.3640115464
0.3016403715	0.1578777446
14.1146106672	4.3456168117
0	0
9.7760998071	3.69545502
1.130382404	3.9442603698
0	0
5.1997913412	7.2574841385

gene_expression_table

7.1326847388	12.4440922143
546.5536774894	360.2296202493
7.9812904314	8.354771121
17.9442272347	1.707628983
2.8671575332	7.0940404512
23.3423966428	52.9418348142
0	0
3.1825237829	3.0538277638
9.9742830379	4.3962209973
1.6528581097	0.9409874979
0.7012934951	0.1631355979
1.7071434856	1.4296227624
0	0
0	0.6158115812
75.9993504218	97.8535157684
213.9910211326	41.4823387379
71.6637417225	29.1733603896
0.4312951153	0.7825607662
0	0
0.8342054115	1.6217345058
2.9754489028	2.8032152571
426.1180461135	693.7047566877
1.1114753406	1.2319266711
361.8847483584	68.8761769149
1.5339615821	0.8028712924
71.6481896952	17.6472782714
0	0
1.1637349301	10.9637221734
2.5838687112	4.0571694278
14.0798989899	16.0488732699
0.5526022355	0.5784609943
11.1263204651	6.6908133225
0	0
156.9488531966	88.7423124797
0	0
0.681563314	0.5350925588
0	0
5.4220467474	4.1100395091
0.2270236459	0.2376471095
0.6579498194	0.6887382683
5.41321244	2.6443765327
5.0058443584	3.3187239607
0	0
1.2776050264	1.6717374325
0	0
3.4229486806	2.2630256438
3.7839751397	3.9610444565
21.3315220258	22.3297204529
0.1588997791	0

gene_expression_table

0	0
0	0
0	0
1.8334724904	0.3838537927
0.287338642	0.6015690342
0.9983382686	0.6967033554
8.4136423136	9.6880901742
0	0
2.4614542467	5.1532736549
0	0
0	0
2.2043791248	1.538354665
7.7220350428	3.695261257
0	0
5.231528916	0.342270989
0	0
1.4600683873	2.7788938055
3.1363525497	1.767832056
16.6616969859	23.2551642286
0.9055709226	1.263928911
0.4634857512	0.3465531046
5.1539956283	4.0463808017
1.1898878791	0
5.9721701076	2.4462919437
59.3340249858	14.7882220151
1.2520764282	0.5097037358
0	0
0.0919152052	0.0962163335
8.4699396124	3.1292775557
0.9330678393	4.8836515251
0.1929781186	0.0505021095
10.879675757	2.8471962523
0	0
4.3093910334	1.8044187748
0	0
0	0
0	0
0	0
12.722818814	6.9920429612
6.3161421903	3.30585153
0.8755187662	0.7128241948
0	0
0	0.277096242
6.2857699443	4.6999353994
6.6889186643	8.4023081181
0	1.0279219438
0	0.9896537162
0	0
36.8550495707	26.78460755

gene_expression_table

4.9616653058	2.6635097815
1.3467129508	1.2815743116
7.1216993058	0
0	0.0901669983
8.4936423863	6.0074988796
61.0488935206	19.1716942368
521.1194461383	130.6138691108
6.1591459241	4.1718213241
0	0.6773574483
594.742157084	469.8226215207
19.2114689947	28.4898191106
7.1993156905	0
40.7890660121	92.0932314724
6.7126857854	4.2160816343
0	0
0	0
4.0744232021	7.1084731631
0	0
0	3.8113356897
23.8130978489	16.3808762867
0	0
3.0334214277	0
1.0271867958	1.0752535133
0	0
16.8706458346	2.6757726791
41.5569418226	38.5457030436
0	0
8.5922932427	6.9956176253
1.3262363085	2.429519585
0	0
12.391756792	25.9432463142
16.226656646	9.2007366348
0.6824494689	1.190640612
0.1204323588	0.6303396687
0	0
26.5474766088	58.8765956564
4.3091685038	1.6402959979
12.3486595024	1.4362787945
51.7986343067	26.4807688836
321.5556957963	522.0195060987
0.7860919794	0
1.4627236169	11.7389782253
407.5405360585	500.4477557257
23.3238514207	14.0857384351
0	0
5.8952961196	2.468465479
95.1218308231	85.5978521228
58.8340180032	9.8539404627
6.0096775612	0

gene_expression_table

0.6894168976	0
16.17920791	18.6299368735
80.9087499688	16.9389672881
0.7952308771	0.749198995
6.894903258	28.8701879059
5.3132178832	3.1781985068
0.9561431653	1.4012396019
4570.8934354576	2327.5146526268
33.5327976985	37.0795236099
0	0
1.0756643519	1.4477137118
127.1950954786	19.0210184961
4.2424960148	8.8820431958
14.0000533498	0.9770119458
171.5820491936	84.0116667366
20.1336035733	24.5883703056
0	0
1.1778621616	2.8358532207
3.8441951716	16.0963298247
0	0.9654312252
53.7127397856	25.9505547213
30.9183941946	23.3748708159
0	0
10.9448474088	4.4065408991
4.8152519108	5.7606620957
0.9915185586	1.9460928711
11.7063737232	8.5779175395
7.1563394527	5.4103233554
7.2156565498	4.8066516693
5.7203045606	3.684912918
2.3110183739	0
25.5886391769	12.6051987653
0	0
1.2115707918	1.2682656707
4.7649910898	8.0451073894
7.5981510199	0
3.3480340248	0.7009407369
5.3658140343	5.6169047499
481.3587474887	236.0536257526
13.3561427621	9.8890969803
20.1044244377	18.0387440716
0	0
0.1640337479	0
2.2285445123	1.2312148795
2.1060314163	2.480154924
12.7780574265	11.1921637222
0	0
3.7393857838	3.914368563
0	0.165320535

gene_expression_table

121.950581511	88.0834686684
2.1681083611	0.9078255843
5.6198561262	1.7648503862
0	0.027143482
0	0
12.9388803599	16.1379478783
2.2087775239	2.5555189774
0	7.3101994134
4.4639530195	7.0092623668
59.6897496716	32.6615175384
4.7328737161	2.4771731453
28.4745563204	18.342775163
0	0
23.5200102285	37.8316811943
6.2738040112	12.3138444109
3.9474158356	5.7490550011
1.7287497971	0.2585208317
0	0
15.5583455993	6.3729356015
0.5494827401	0.4218100506
0.7442316597	0.623246101
0	0
1.5637378906	2.6190596182
1.6446381457	1.7215982054
2.2371057171	1.1708950076
0	0
0.6055662821	0.6339034682
0	0
0	0
0.4144085194	0.433800569
1.6581180956	2.1696361791
10.2461897743	4.2902621405
0	0
0	0
0.0665435701	0
2.9534499115	2.2083251395
3.9191128403	5.1727247821
0	0
1.1558392853	0
8.4386830532	5.1141704917
3.4867701711	8.2123468264
28.9796273995	26.6362378067
4.7712445968	4.9945127183
24.1650638368	47.8570258208
131.884088133	98.6111009345
0.3263771084	0.4783096779
13.1914801707	17.7541318427
24.4975915656	22.0822857233
2.4453687413	0.6399496521

gene_expression_table

1.0377974252	0.8147704966
8.0508616572	3.8307263178
5.5929253562	6.5051595978
0	0
0.8320569135	0.5806617473
0.6872906152	0.8093835592
8.029135938	1.8677456745
0	0
0	0
0	0.8796455644
0	0.6346990537
0	0
1.5893736093	0.5545825305
1.377308342	0.7208794154
1.5609627385	1.6340072474
4.4905831499	8.4612921346
3.6053440479	3.4309585525
231.2632161319	98.9655939728
0	0
30.6148624419	14.851266756
0.4248621559	0.2223716892
0	0
1.6822272823	2.302775941
6.6423401077	7.9464745756
2.7834767538	1.4568641123
1.3645153453	2.3806119865
1.6818201296	1.9561334473
0	0
1.4505421741	3.0368392105
10.5670438457	4.4246094546
31.1221636217	15.1658583202
0.2690751271	0
0	0
0	0
0.9051741756	0.7580250965
41.8923840646	61.5077087161
0	0
1.0033282966	0.3938544626
18.7931817368	7.2861480509
4.3375440356	5.2574411371
16.9395663307	26.0072930774
3.493577329	10.023046806
0	0.9879511978
7.8304923903	5.7378415901
0	0
0.5682605924	0
0.1976059821	0.6205585802
62.3554039914	154.28233473
4.0188879246	8.413899747

gene_expression_table

2.2341333065	1.169339256
12.1935800591	17.7588491662
143.8919849201	11.8914743616
0	0
9.232208598	38.6569016327
54.8260649951	74.453999519
7.923205609	3.8279853447
0	0
0	0
0	0
39.5698329397	150.6235798226
57.0084364191	59.6761190861
5.9063224022	6.9555441935
118.081136665	71.6711043959
0	2.2356013645
6.1233680183	8.5465441496
2730.4398526926	4261.3305077454
416.5944112221	277.5110218031
0	0
20.6798641353	30.306595958
0	0.7034875484
4.5022426759	7.0693844707
93.7692267266	119.3802726785
0	0
92.4525471359	10.1872442216
0	14.2820663805
87.5843337561	83.710383518
18.5451796692	13.2576534359
0	14.7530221834
0	0
0	0
13.5037285711	18.7379269819
11.7482559065	15.8117270834
0	0
149.9461179213	165.6294314883
37.78012646	14.8305110656
4.1524212116	4.3467317872
0	0
6.2692472099	3.2813068256
4468.363848326	6993.1465449256
26.6543911357	32.9747017259
20.1231727352	2.633103379
88.0166508352	71.9807407399
674.0958403923	229.1821685087
3.3310133932	5.579018529
26.7448476788	30.8677816544
3.931942283	2.7439571013
0	0
0	0

gene_expression_table

0	0
8.2536651113	5.7599276296
0	0
2.801303082	2.9323887273
0	0
0.8899676476	2.7948397812
823.5284473418	2272.7170009739
0	6.3261341077
16.8867137111	13.7966200564
0	0
6.875862633	6.9405576632
0	13.0754209986
39.5537148814	34.5038434634
0	0
6.0510859794	12.6684873394
74.623915492	48.8224413272
0	0
1.0412392445	1.5511019603
37.5355121894	58.9379529435
0.8911437516	0
0	3.3184570909
352.4403674287	103.3011411009
78.9828654235	52.6459223313
8.8750382424	11.9875373363
2.0685943572	10.1773482573
5.3197047195	3.1820787266
0	2.4968883037
0	0
2.1233353021	0
3.1634467323	1.1038262392
3.3895689065	6.5050006474
114.3954095074	56.8502924179
3.7477617258	3.4238281774
46.4586205643	59.7377182687
7.3563916692	7.7006305184
6.7517987786	1.7669364978
0.4079878409	0.8541588757
0	0
0	0
0	4.2732720748
3.4613871316	2.8986888768
0	1.519270661
55.1181325579	25.2425947177
0	0
0	0
0	0.6554488776
2.3810595369	7.4774402562
90.0504204333	151.8702402089
0.8662685225	2.7204154381

gene_expression_table

14.8526295256	9.994918667
49.6789949478	85.0969634519
102.0003886911	94.9097318798
169.1882193941	427.5827996943
0	0
257.4858999906	196.5358136955
0	0
0	0.0732603693
0	0
0.8431119941	0.7722443915
0	0
118.8391333824	222.0064288639
0	0
0	0.5281145653
2.1903900125	4.2036284974
0	0
0.4547298204	2.3800434302
3487.4745691202	10559.5609005332
0.0743752834	0.3114225577
41.5300031757	35.9127921087
0	1.3101374326
9.0865541925	5.7070531044
4.1366776022	10.8256286576
0	0.2349576603
2.0468179586	3.0799843826
7.1159585251	6.9523499917
11.2130934649	10.9374999648
1.1977547123	0.5015212297
18.1086038479	17.9028769435
1.0921033575	2.0958809936
0.2825265349	0.7229376726
0	41.9514332824
2.2611728004	2.6628562194
2609.5231223592	2731.6345156854
11.501363625	8.5996889038
0.6693271052	0.8407775384
23.6271886488	11.1886529136
669.4991317325	247.2679524267
30.1379174531	3.1548206966
57.1471104249	0
5.078838383	4.4543650404
1.1394418046	0.2981903605
0	0
0	0
1.1703728215	0.3062849653
1.504454486	1.5748547181
62.6833664384	69.7176425537
2.2870329583	3.4580773902
0	0

gene_expression_table

14.8887411889	22.3791116427
12.8297752503	9.4010969366
0	0.7418426818
3.8701185309	8.9126815508
8.668485095	0
0	0
0	0
47.5182533661	26.5861598338
107.0292500737	142.5255849305
1390.5866519181	1600.191960259
1.0662754242	1.5347355038
30.765597655	56.5960069133
0.6331792517	1.9884257207
15.8434279709	8.2924068236
0	0
1.1502786876	0.7525658948
13.1991648265	5.9214914857
0	0
0	0
1.4770185651	1.5461349463
7.5905146872	5.6755065797
690.4263475539	354.0174174706
2.042238791	0
3.4695497304	2.9055245278
1.3662278337	3.4323835568
5.6940019253	2.9802250186
0	0
0	0
0.545634391	0.8567506393
3.6796593355	1.925923622
0.3126742655	0.5673298957
26.5721695202	22.7582194534
1.3286643356	0.8345031307
0.1250236518	0.0186962963
19.563688936	10.2395812273
0.0275084292	0
0	0
31.4202782831	6.8522031793
0	0
1.4782665028	0.3868603202
0.6466210081	1.1281322178
24.1945673359	13.2139516208
0	0
0	0
2.31178864	1.0755411955
6.0764353306	1.5353605042
0.5300514745	0.3699033208
0	1.5322327833
5.4690665289	8.0149844542

gene_expression_table

2.0331310072	0
54.2094492609	45.2195919908
0	0.0879711035
2.2820165923	2.9860030916
3.7015407793	1.1624257858
0.8084350703	1.2693981073
4.6295490299	1.5419684556
5.1607339516	3.5452121527
7.2261028452	1.5128489782
13.4411142797	7.5375454443
10.4868448631	11.3102254708
13.6993846989	17.6182559506
0	0
47.376085895	42.9465391057
1.8974777	0.9931346332
2.8216296814	1.4768332501
6.921219964	19.9240116906
0	0
0	0
4.6906529429	4.4533916938
0.6739708355	0
6.6026595003	2.9621262048
0.2872400462	0.4009084101
0.6096380635	1.9144973602
0.7464169757	1.3022420051
11.4266152524	4.1604585316
3.8066430001	3.9847730487
0	0.5774587015
6.1506733154	9.4431203499
0	0
36.5603802839	25.5141372599
1.1877655649	1.1303149905
0	0
7.3868793349	9.2790538078
1.0249064777	0.0825281914
34.1453909432	10.7229624815
9.6448520097	10.0961782721
0	0.9428643778
19.9021440353	18.9395049084
2.2396365548	4.6888785643
1.5435442701	0
11.4848456575	0
0.3369643689	3.1745921061
0	0
12.9064919947	24.1765860558
0	5.5472780421
139.3582499383	164.6500758734
0	1.1583854455
3.0305167914	3.4607218726

gene_expression_table

17.1506736386	17.2351020039
21.9977537294	9.8687692081
0	0
3.3068868413	3.6264706115
0	0
0.3551348136	0.2974025426
19.6081316642	16.677118948
28.9712448822	11.37260269
13.3328349239	25.8199663962
1.6953762489	1.7747105741
0	0.8170824318
0.8004514808	1.3965137118
0.7599221333	0
4.365168781	7.8926600709
5.1822163536	12.6576699737
65.1143298951	26.385028642
0	0
4.2233557504	5.4412131372
76.5680208601	65.3863298502
2.3733775733	0
227.287866482	186.0685299916
0	26.9231420589
0	0
41.3612383009	22.5319653723
0.2878189876	0.6025746804
9.2082989366	7.3124942042
6.8905488089	3.3660614227
0.5103048029	0.4451535612
0.6390799902	1.3379708688
381.1671252048	335.642563383
0	0
0	13.1294656217
109.8447973106	64.0630337404
2.8555069704	3.9855054145
28.3262281052	42.5906817752
246.6008526475	110.6316095378
16.4985037437	26.4137722268
27.4838504867	0
16.0132536336	4.5716144239
9.3929551203	7.86599519
36.9745881938	15.4819185847
1509.5762514315	1293.572293595
1.6748485638	1.7532223058
2.536730961	0.5900969066
0	0
22.3689069037	5.606563908
20.2124388772	12.3755920861
0	0
46.074683466	42.718643351

gene_expression_table

0.4355471681	1.8237135627
0	0
0.3876700523	3.6522979918
20.5273481381	24.1083931466
21.6534746127	11.6667037211
174.2058136953	92.966666453
0	0
1.1760818016	0
7.8189268898	10.523326956
0	0
0	0
0	0
0	0
9.2639162406	2.9092250384
0	0
14.1763378275	3.7099282033
9.6200089196	3.3567242204
0	0
71.6242834093	16.8959791965
77.9954779389	79.8703427265
0	0
0	0
0	0
0.6372932338	0
6.226834463	7.061400905
0	0
69.0192762191	43.6504377548
3.9970515368	17.5731849816
19.1075108292	3.7503070707
13.3918590586	3.5046311834
4.5099795659	2.3605109573
6.5103191953	7.4345088933
14.5863681479	9.1613581845
0	3.4517903709
0	0
1.352353212	2.8312718746
171.8743633398	282.0322773111
460.0937671602	84.5598750505
33.4208810993	52.4771930012
10.440921864	10.5983028718
0.865365291	3.6234385928
1.9810345397	0
0	0
1951.099852084	1515.4913852031
23.6323673712	24.2004450932
0	0
1.2624466966	0.5286089157
3.7132837695	10.3156197345
895.3651022498	1542.4810365665

gene_expression_table

4.8767738421	7.1469722162
89.9322713905	50.9928300132
10.4867566145	10.9774794024
0	0
21.1710109086	7.3872327648
137.4473983404	340.3593599307
47.6370521726	0
134.8671806027	21.1767339257
0	1.8922581415
58.8511333539	46.2037831106
246.2964712037	116.4356504505
197.6679288223	135.7897442563
0	0
0.9276660365	3.8843029097
31.7957989633	44.7607952362
3.0640025885	3.2073811323
0	5.2580344943
143.8027500342	130.8973315862
2.017962802	0
68.3093512144	115.5094577765
209.4407981124	89.6896966264
20.5827072963	5.0696153634
1.9242305413	3.3571233237
45.4353219324	45.6589883631
11.8160586559	7.215241542
0	0
75.4642435528	3.1598222775
0	0
10.8134794963	19.8091094705
11.3280399096	12.2893348819
12.9472493379	3.8723170607
6.7692136657	5.9049798329
1.7959093584	1.6449545723
0	0
0.8818210468	0.9230854433
1386.9665656199	1381.8994156978
23.1789552914	21.5676475373
1.7329853842	0.8062576049
0.1944872458	0.6107645519
36.1007756347	32.5170578513
50.7307906371	22.61867442
0	0
43.0541677902	58.5895272219
8.0900083341	21.1714410654
0	3.6191811879
75.9815101987	42.4197487087
650.5164862201	419.5796246746
9.0262474469	6.6140384821
8.7028630355	4.5550546859

gene_expression_table

1.689006645	2.6520643614
0	0
0	0
4.328832473	0
1341.0521913037	723.1728346248
43.3192228917	54.4155903872
11.2058588695	0
12.3892380558	3.8906959674
23.5613968054	21.010023953
0	0
130.0104677278	58.6613128135
2.9953843554	1.0451839805
37.4390322712	52.2546319719
59.9698435259	30.1325298383
7.123580119	12.6767719261
0	1.0009090831
0	0.5001147495
0	0
22.0518615627	27.2808166514
4.9172994067	6.434252617
247.3996688763	77.6929856127
0	0
20.2869154311	14.6456772341
19.3542952312	36.4679464877
0	0
6.1669230302	21.518337534
0	3.8661312507
24.227637234	0
4133.4134639607	4940.3409768182
66.3022425124	26.4399331105
4.0972308031	8.5779175395
19.9725364883	15.4052624037
0	1.1576334785
4.7366563497	2.6698570396
0	2.1998944475
10.9425704343	15.860246972
5.7738357732	0
0	1.9907622962
29.4190169886	7.5417957296
6.420717953	10.7538758331
10.6731556423	6.2070004912
2.4484208279	5.1259870319
135.8103077398	35.5413716235
139.970263112	64.1025459372
1.9478921192	4.0780856088
10.7926449467	3.0811859001
1.3994605623	1.4649476536
3.7860406283	5.2842754649
62.1335416662	30.7138297312

gene_expression_table

10.6320205442	0
327.0508482466	280.1086667451
48.353933888	35.4316432578
0	0
0	0
1355.1797312902	658.805006601
26.1033252779	2.7324817969
0	0
0	0
84.2919878767	109.4131252827
78.8184821704	0
7.7149620652	0
57.5177669385	37.630802178
90.6474802844	72.9917584685
0	0
1.7545600252	0
45.645158956	5.9726378074
218.8091389788	171.7861564228
0	0
40.6017883261	59.3047391151
0.0928011793	0
3.06284286	1.6030835674
93.8520360166	58.5684176823
0	0
49.3846694448	29.5403437499
0	0
28.1570761745	29.4746731616
14.563366976	6.5335083458
41.8733807822	21.9164128597
0	0
1.8443375125	0
170.9885015565	134.2423703688
10.2886596773	4.6157625485
6.0048125745	0.5714368112
0	1.475345044
3.2600237032	7.507664916
0	0
2.5285620924	3.9703274292
3.6360507015	7.6123959293
7.0384317456	2.2670128651
21.7461945948	14.7964683279
17.5260568853	2.6208829116
0	0
0.4915133985	0.5145135342
5.1855372228	0
0.2945314553	0.3083139147
167.1413864064	14.9968018358
0.3671020658	0
2.4913888042	2.6079721583

gene_expression_table

1.6315400648	3.1717905255
137.5142631537	203.7175497149
24.5324566808	23.1123971904
0	0
34.2882662549	47.8570258208
4.8503681336	1.6924462678
2.5048849516	28.8430983665
430.1267397477	259.2373334258
66.0262989927	21.2664517691
0	0
212.0589794358	82.9383963684
0	0
0	11.7342941233
0	0
42.6760246938	68.7277368785
30.0446689461	37.740713927
0	1.2427660755
245.760650674	113.4974573954
5851.4456389637	14548.880032109
142.2149531839	122.0732641059
20.4720191347	7.7927263756
0	0
12.4244293508	22.1099018416
8.5852950615	20.4250905919
56.3530583848	42.1357663917
51.5066968174	21.7962050156
4.9591480764	3.7080064656
4.659887003	4.8779441989
16.6892920592	7.941027065
0.2151992776	0.4505388509
6.4894085853	3.9443675072
7.2455133587	20.225503227
1.8025953612	6.7930090337
15.6810077345	13.5846563032
33.5073740628	5.3962054915
0	1.382932748
5.8175591336	2.0299296821
0	5.3782181399
3.6314274508	1.267119457
16.1287630561	2.4119286931
0	0
194.6667795492	55.9385424452
2.8439242055	3.4235549289
0.4250127806	0.4449010515
0.0206200801	0
38.0910088572	26.5823063328
8.6996692747	5.6041637911
0	0
4.7170101056	4.9377403499

gene_expression_table

0	0
0	0
2.3490226965	1.9671552771
0	3.4046196022
5.1985293821	11.5365992349
0.5254394881	1.100054358
124.7786907151	72.2565724498
19.7970173362	0
0	0
0	0
23.2909895199	63.1686444045
0	0
0.2275279302	0.9526999657
0.1646160432	0.1723191727
10.3372595759	10.820986721
0	0
16.5509408614	62.3715633605
0.7420088795	0.998653927
2.3113484251	5.2422648964
6.6400042028	3.4753600206
0.7655658312	0.2671300401
9.9641393199	1.60467792
0.2455702487	0.1713743945
0	0
5.6773564959	5.5468239799
4.6396840864	3.0906882977
90.1279774046	38.2481648266
1.5854913665	3.6513040978
0	0
27.7192150003	45.597078186
0	0
0.1020220362	0
0.9654863608	2.8298643405
0.9498524913	1.2428754835
20.0903861244	43.3754190114
0	5.219158084
0	0
3.792546869	1.7644521315
0	0
3.6326695218	6.8810012115
1.6441445021	0.6258478044
35.8619462942	25.5955152367
0.8611291727	0.9014253028
0	0
9.8823187619	9.4211181351
340.5378573871	678.0416648834
1.3312545589	5.5741999311
0.5319213495	0.9280205934
0	1.5760896028

gene_expression_table

1.480069047	5.1644272468
1.2283470259	0.9257953973
18.2664352961	3.8242408895
0.6034325754	0
1.0492195501	1.2552197485
0	0
4.0863683051	3.2081909747
1.2679994078	0.4084107191
0.2733286327	0
0	2.1407841303
2.2352353197	2.8969349726
0.1747719968	1.4636029538
1.5620173412	0
59.7859684977	42.2439465086
1.8302241035	1.5965571416
1.8168914661	2.3245591576
0	0.8445427666
0	0.7879104166
158.119359386	125.5657431456
13.7960848106	11.3782823325
4.5946121032	1.9238459165
3.9702203032	11.7123773719
0.3196330805	0.5855327773
1.3981508097	0.6098235883
7.393639931	13.9743171297
1.9637872498	0
0	0
16.9171376366	8.2640912881
1.0380886562	1.0866655211
7.7024639114	11.1640112953
50.7846795291	29.7702296934
26.2393588202	19.6194408113
104.5509587269	96.0421419965
0	0
8.9025190415	6.914177041
9.070678131	6.605312139
1.4802608257	3.0990578539
0	0
0.3483634829	0.1458659946
0	0
0.3893193663	0.4075373808
0	0
16.1122887497	8.8164518109
0	0
0	0
0	0
0	0
17.6404578744	4.4318243305
0	0

gene_expression_table

0	1.2592784004
3.2850427346	0.7815374425
4.9447898376	10.1058731415
72.1343451254	81.5506244954
2.0460254959	3.5696138096
10.5698189115	5.8233834527
0	0
2.8558932877	0.2989533456
2.3749697429	2.3085263708
23.153164052	18.1774540135
0	0
61.5465308306	142.8589193399
0	4.0698900992
0.3800502929	0.497293207
45.646975875	33.9105192514
55.794282943	46.7241199004
1.5110463258	0.7908775099
0.2414486517	0.7582413794
6.034607009	5.527369377
8.8138048082	16.8479212915
0.7088324138	1.6695042513
0.2206999762	0.2310275266
3.9180265508	5.0127840151
9.066701217	14.236459782
0	0
0	0
0	0
0	0
0	0
2.2115416333	8.4884421311
13.3629395497	11.2982034981
17.4052849438	7.7657980546
0	0
0	0
0	0
0	0
29.156969143	6.1042711292
2.0504322403	0
15.1973997212	8.5661448992
0.0873791572	0.1829360466
1.8867673811	5.9251732897
8.0246239946	1.6800264915
0	3.2585857166
5.6319813726	1.1791054524
0.5226566017	0.5471140688
13.7880116481	7.2166075476
0.2819244617	0
2.9537001729	1.4171287018
0.2568287181	0

gene_expression_table

2.1357892468	0
0	0
2.1233567315	3.5905447843
23.6946619574	13.3556997504
1.2013288256	1.0060355493
0.993435742	2.6575812428
0.6147324675	0.6434985809
0.1585367117	0.497866085
2.5222889387	0.736833
1.4265010225	0.4266438455
3.0552758158	2.085812605
13.8926934351	5.8171181666
0	0
0.1299642782	0.9523212635
6.7525759082	2.9249211666
1.4484488055	0.5685856044
17.9756331051	6.2722647688
6.6138380353	10.3849941605
0	0
0	0
0	0.177383722
0.4100864481	0
16.8218283832	6.1248688144
22.2573507917	20.1923565442
1157.7392792107	228.8231379664
18.0263551708	13.2089229209
0	0
0	0
0	0
27.6505193508	8.9059730007
0	0
0	0
0	0
0	0
7.5773680238	6.2620637024
2.0827299915	0.8720761404
0	0
0.0820738564	0.3436578539
3.5557644013	13.0275414681
6.4209726928	8.40179882
31.1974752266	9.3306703546
0	0
7.170030142	1.364645144
21.3596753036	18.9193155884
1.5863492222	1.3948886108
56.0792054513	24.9359597297
0.8881118187	9.2967058885
0	0
2.9473796526	0

gene_expression_table

1.8299481764	1.5963164425
0.5293926163	1.1083305839
1.0018919536	0.8739791759
0	0
0	0
6.4337355088	14.5920647205
0	0
0	0
0	0
0	0
9.3924810997	4.2747816458
633.28105137	488.67460247
2.5079625805	1.5001837123
4.1542865103	2.1743421858
0	0
4.2213326393	9.9424527576
0	0.3274140877
45.3887387422	36.9975811671
2.588207528	6.7733036705
1.0813524653	0
0	0
0	0
5.4777666855	0.9556826954
773.593236234	520.5813195692
80.827046385	58.5756758605
29.6230537016	46.5138756147
56.9948581325	68.7408910159
2.2751193748	5.9539562594
31.7005471171	21.4719735622
304.5933815368	191.3080103701
16.4249611018	11.4623728962
8.6032045746	6.0038582938
2.3917921632	7.5111448196
5.1597467552	1.0802389301
1.9063621735	3.6585440553
80.4891166652	108.3285856234
0	0
0.8928841899	1.3085327932
18.8356005285	15.2358663381
0	0
0.2106463146	0
7.806319541	10.6230963162
2.9415842432	8.2112914098
4.382610063	4.3743111831
0	0
0.1968313206	0
2566.2112149141	747.1586123524
1.2011638771	2.2632691849
0	0

gene_expression_table

3.6411635463	0
1.54089895	0
0	0
14.5714840987	44.4889368187
0.7989170269	1.2544529538
0	0.8086194998
11.1245955955	34.9354972654
23.9005130182	0
0	0
1.8825243309	0.9853080808
1.0073485418	4.2179477507
0.7409521305	1.1634369495
6.4972510363	8.0378844097
13.9565899209	8.7658091448
0	0
0	0
116.0935017208	45.9828266707
23.224250022	36.1838403803
4.0972308031	4.2889587698
0	5.9339359512
0	0
0	5.9677286939
22.019131527	8.2319665406
0.3038604184	0.1590397111
0	0
37.092338451	8.8245583605
0	0
22.2308539455	15.9223563351
24.9177238989	11.1787444015
1.1855586896	1.2410363446
6.8618530669	21.5488506522
4.3590496727	3.0963413303
2.38678888	1.1834893565
4.4251565058	12.3084957937
0.5512282586	0
8.1277931259	3.4032517357
0.7728556809	0.6472168759
0	0
0	0
3.0512936788	2.1293850101
0.1565310824	0.16385588
20.2864583376	35.0164020587
0	0
7.7039009683	9.2164586856
1.9538181247	0.2045246115
0.8979795909	0.7050000891
29.3138946972	16.8040324406
101.0714234025	175.2329270978
5.2515816248	2.7486634446

gene_expression_table

0.5797310434	0
0	0
0	0
3.8463386638	5.8846306762
0.9110424449	0.9536742428
0	0.1668839113
0.9764532514	1.0221459168
3.2591989573	2.7720156931
3.6442837497	7.4176983114
0.3838693955	0.3348603178
5.7396395618	3.604933959
0	0
9.1108751571	8.6701947515
2.1058480553	2.4637302386
1.6602443242	0.5793115559
0.0666675615	0.0930496511
67.9353857644	38.7896671793
9.5361636134	0
1.5883856779	1.6627134302
0	0
49.0300199572	12.1786608456
15.7547448745	13.7433172228
1.6095856379	2.3588676052
0	0
136.8462554292	122.2766339192
0.462894414	0.6056941724
0.7517214501	2.3606936933
17.4016665146	9.1079846112
4.5840117004	0.8724578814
3.1871564372	1.3345191627
12.9387250014	13.5441864837
2.7180688873	8.5357788843
0	0
27.3542920327	21.1453463023
0	0
0	0
6.7384455802	0
0	0.9374902961
55.7193950248	53.2548656465
15.9803126856	21.9556362597
2.3619471209	0
0	12.7044522989
9.3409105808	5.8668084291
1540.0058684737	864.6555720522
5.9885519602	13.8808775303
1870.6835325098	1936.8898921705
6.8348978405	8.1768384389
21.177782874	5.9116765735
18.6282630738	20.4069388437

gene_expression_table

0	0
7.7030279259	26.8782915128
0.7007300689	3.6676019961
0	0
32.8110728278	17.1732256873
147.8746751786	68.7975112307
10.0856221473	3.5191913462
6.7134497508	31.8945033757
5.7574036543	6.0268186199
0	0
7.4159439464	0
66.6509466101	72.9412025894
6.6913154654	10.506648585
1284.8135152398	1071.1452600914
20.038045818	6.9919055471
5.105382231	16.0328584926
10.5011755201	10.9925730338
1.812426415	3.794476094
233.363321074	283.8969785829
27.447360546	17.2390480366
701.0496911003	743.2633751037
117.747337459	3.2436123187
5.3495977573	5.1999346656
1.3223352947	0
1.036310538	5.4240209837
0	0
0	0
0.5305727854	2.221602746
1.2506036375	0.1870178628
0	0
0	0
0.2056816632	0.2153064388
18.9631046603	90.3196572611
2.8339643081	5.9331566399
2.0136943726	0
4.1585563493	6.5297310235
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1.1162521599	0.6677066564
1.2075855598	2.5281879034
36.1520364981	16.2187516503
0	0.0747706624
0	0
0	0
0	5.3662930442

gene_expression_table

0	5.1951509171
5.4221594989	5.6758868737
79.1891957112	55.9058064492
44.2292559961	20.1299752145
0	0.9569783167
495.949748806	520.1260588002
0	0
7.8155555583	8.1812807633
12.5360663612	30.8769073505
2.0517319564	2.1477417775
1.2780590439	8.0271912535
0	0
0	1.2555686015
0	0
0	0
1.5731008624	1.646713369
30.9249586095	3.5968974821
0	0
0	0
0.1670394409	0
2.8848594781	0
0	1.2296337248
16.9112452166	0
86.9391742728	38.5031525922
0	0
0	0
1.1193116754	0.8959977251
0.3246421743	0
1963.8554368463	5151.7668497575
0	0
0.1438775096	0.7530509464
2.7106559446	4.5399996804
1.4590751598	4.0729383677
0.5717234539	0
129.750983294	221.9540356701
2.7158608451	18.6083886212
5.8370022862	3.055071016
0.7272801676	0.1087589853
0	0
11.4482869646	21.9706741978
0	0.8393473613
16.0979377056	0
0	0
1.5323137107	3.3314211734
0.2040826677	0
0	23.0997915742
17.1461512714	20.9399134757
0	0
0	0

gene_expression_table

1.3199087936	0
579.9916817172	491.36539945
0	1.7508667983
0	0
0	0
26.8138299896	23.2568154829
0.7693872913	0.2684634679
0	0
43.0885561031	14.6590809922
4.1553531478	4.0779383643
1.7808920148	1.720825855
0.3084019718	0.2152223302
0	0
0	0
11.0629006587	7.0490510288
0	1.0342727192
7.7812665051	12.2180807552
0	0
261.0332527794	250.0408000417
0	0
19.9178237083	21.7186133282
0	0
0.5057466591	0.5294128334
6.4209726928	5.6873715089
0	0
4.990925241	3.766480689
1.4389669843	1.2050422079
0	0
3.2907811452	12.056700893
14.2087051085	7.2554120516
0	0
3.2079408667	23.5063845359
0	0
0.4225926095	0.6125090257
4.3930677721	12.7739980249
7.4404216056	2.3964900294
22.9728878764	16.974983462
29.779308769	6.2345634717
0	0
1.1868483327	0.4141287786
0.5222911469	0.7289753503
0	0.2803472967
0.4719678767	0.0988106778
0	0
13.8623035496	10.4181419647
17.5273584218	10.2746239806
0.5398586203	0.6122144683
0.8672479917	0.1815660898
7.1813906102	3.341084608

gene_expression_table

4.1054845696	2.5279992749
1.7806990815	0.7456104192
3.628016131	3.7977874202
0	0
9.9284371155	7.0524156626
0	0
0.7382229472	0.7727677389
0.8365008962	0.2918815193
0	0
3.7738280686	3.4566197384
0.4091282537	0.7953645435
0.8534408625	1.0995411959
12.420989079	7.6483666795
18.91866933	0
0	0
5.3749789679	5.6264985522
8.6824365195	7.7903374343
0.3787310547	0.5946803914
0.4310376177	0.225603909
0.0921998016	0.0965142475
0	0
0.091247726	0
0	0
0.3352967511	0.1316200512
5.3923762057	2.4191613795
3.3855786431	4.7948305449
27.6552139648	55.4862092179
7.5307888855	3.8724435078
0.1231354506	0.9022826077
0	0
4.7553560252	1.6592935495
3.1701338524	3.8715585513
12.7906912766	0
0	0
0	0
0.4326942136	0.301961289
1.5425922931	0.7598951368
13.0964152883	18.3564611727
6.3708663424	4.5113742371
56.2444392019	77.3473893299
0	0
0	0
0.206086319	0
7.3347209029	4.9906646913
0	0
0	0.6932678782
4.9969657639	3.4871976
15.3715067463	20.5604782858
8.9210513982	2.6681450729

gene_expression_table

57.670137242	95.3191324487
3.5728658921	0.2671468894
0	0
21.4511421024	29.3641498154
0	0
0	0.2032291736
0	0
8.9162243219	1.7500227747
1.7011381878	5.9358071338
12.2674116866	3.502216195
26.7099461116	17.3804319654
0	0
0	0
0	0
50.2032515018	44.8762825514
7.4477964438	7.7963125359
0	0
0	0
68.7900130948	109.5348306501
4.2504220799	6.876219592
16.1652022697	50.7649356634
3.2400523869	5.6527818287
7944.9030027771	2953.4182929513
282.2386031156	198.2104897239
218.1015511739	84.6826873561
0	0
15.1773007243	5.2958384309
0	7.0780811116
0.8064962805	0.2110589726
16.3428205	7.3318178623
0	1.4837438378
4.4232847462	9.2605405041
0.4564290618	0
73.9250629216	73.7682599076
0	0.4504250543
9.1345063764	2.3904878144
0	0
0	0
8.4646598855	10.4017612915
5.6051933753	8.4752571703
4.1733011017	2.1842943709
164.1888998254	103.9226296223
6.3503433369	4.8748367308
1.8017157283	1.8860261588
6.1305586092	2.9948030856
0.5313152472	1.3209224922
7.6019843975	2.6525718805
0	0
11.1524486085	7.7828814244

gene_expression_table

0	0.9316132604
1.9999664291	2.4424795581
10.1369694888	31.0177167594
0.7203481405	0
2.854044231	7.2555948352
3.1124193094	0.5430105818
238.8940802269	190.7336555729
1.2911098263	0.6757633482
7.0457386471	4.2699919471
0.8874300418	0.9289569085
8.8821373245	8.4525206509
0.3901434749	0
0.1452090932	0.3040081674
0	0
0	0
2.1382505017	1.8652574308
0	0
1.3238135297	0
55.9406545441	24.7746953664
0	0
0.8300370126	0
15.0716874099	1.3147466545
20.2192453518	0
0	4.4477256867
0	0
0	0
0	0
0	0
0	0
0	0
0	0
28.3599211548	53.2481293637
0	0
5.3571869157	4.4862991435
10.0272996731	0
0.7322110877	0
0	1.457511691
6.3741873463	11.67681272
1.0077876376	2.1098931615
2.2383562315	0
128.2007420178	42.9439471243
9.5635410134	6.0066374198
485.5218501697	762.3624213247
2.1590263704	2.2600569825
15.9865140346	5.9766411982
5.8036191587	4.205905447
489.2479104146	532.4920482615
58.4744666596	64.7085087437
0	0
20.5567831077	6.1482079987

gene_expression_table

17.0179407701	0
1.6981929318	0.4444147656
282.2117801907	389.787304033
0.9864721244	2.0652672364
0	0
12.6487390952	29.7914193562
0	0
0	0
0	0
1.1583210473	7.2751447784
0	51.2487942886
0.826160018	5.62132859
9.4202920095	3.9444440374
7.5678733474	13.4329707332
1156.004405166	794.3757646397
41.6788062326	49.3199043393
8.4663651227	22.7894005328
29.1080245905	0
0.7198995451	0.7535869019
9.4383430564	22.5828704698
18.3378411108	24.9547371624
54.1785568592	47.7590035016
2.1689364656	5.1084693358
0	16.5766997461
2.0570780645	1.076669027
83.6954740812	92.2231199812
0	0
688.5207045659	676.6944993507
9.303189867	8.5212121854
14.448382798	8.6825764438
35.9189701034	48.3425758608
3.7303357548	0
2.142449255	4.4854082977
5.4962663692	3.8356410265
2.8209973283	1.4765022782
0	0
59.1345884058	140.685825781
14.9253565991	43.1513966954
0	1.9361585303
0	0.5502415519
139.3976026901	80.256355963
494.3630181392	211.9439592229
27081.9374725931	27395.1634372509
3.78309062	0
37.3289434627	14.3963229115
0	0
34.8794432593	51.7247811403
706.4084715493	530.3745522628
12.2624222514	5.5012442006

gene_expression_table

5.8159264699	1.7394514236
60.0176200125	36.8291024795
9.4344785071	2.4689901104
31.509489749	61.8449275026
32.1504030712	31.2931209162
131.2886530795	60.1266063802
1.8152724662	3.8004345557
7.7658645261	16.2585289257
3.4698100814	14.5287127753
18.6113770593	8.2030684617
39.3294329826	20.5849175462
2.7790157986	0.9696861737
1.9630845531	6.9868169474
543.2957110674	304.7475264705
133.6699806205	93.5012875762
337.7279098348	512.559839114
3.1148653558	0.8151559996
0	1.4380669295
0	0
0	0
2.1070253447	0
0	0
0	0
3.9161699095	3.5869970655
24.5846296101	5.1470111319
13.1249408447	17.9665365807
0	0
3.3524726406	0
132.779920489	176.900555635
2.7617852683	0
2.0906939249	6.565580858
0.7305090014	1.9117320568
6.0029902345	0
0	1.3961914571
38.1146379964	33.7600106062
25.3730542192	4.131613768
70.0073914579	81.904925107
17.1459494357	10.7689715906
44.9505242606	49.0145444409
0	0
13.1899443132	2.7614322967
0	0
9.1616539328	7.1927768782
3.2924548209	0
12.3126216396	18.4125498756
7.9002307887	4.5943990727
3.8960186982	0
387.3753376345	233.2535827443
30.461249148	28.698001932

gene_expression_table

0	0
21.9772700602	18.4045487676
13.0227814704	10.2241322514
14.4845420695	3.3694087392
0	0
13.1684797985	16.9175772171
8.2121332855	11.8200722153
0.3339729437	0.8740026218
2.4918224315	0.4536393177
0.9798130269	2.4359494148
0.1667577468	0.2909351604
2.7194619022	0.5693435657
0.1066523116	0
3.148212636	1.4123707495
12.4617932583	9.7837027099
0.9698798445	0.3384216368
2.4167802164	1.5568444905
10.2018865014	23.5680638408
0.1331648894	0
0	0
1.4378346728	0.4300335607
3.1806776718	4.4993459062
0	0
0	0
92.6608605832	30.8626441077
18.5591436626	18.4051041754
6.1842039252	11.1345761871
0.3937823712	0.8244184598
0.1793657739	0.3285784424
14.968083111	8.5803731224
11.6473995483	5.0801808626
2.5678117737	1.7919808695
40.6495812293	27.9139539358
2.9033352479	4.2548736158
5.7466708113	8.2714273656
7.7899537411	2.7181603071
1.5885699355	1.3605597083
46.0117771972	29.1908341977
104.5908747531	141.1782261712
13.5035975572	5.980400454
0.1478739245	0.309587229
188.396507393	68.1851494821
0	0
0.5698747038	0.5965417195
0	0
5.0574741166	2.7226986235
0	0.248870876
0.80523729	0.561945324
0	0

gene_expression_table

1.4882990631	4.6738299297
0.9660972823	0
3.6038660964	0.9431268241
8.8016080986	3.5098953003
4.6429609011	4.4714079643
0	0
0	0.0292407977
92.3045342528	50.6125091108
22.8976537526	9.5876554276
0	2.4201981629
20.4537904232	2.6763644772
106.5304808574	128.1787632636
0	0
2.1784875312	1.4659899551
0.3611385208	0.5670567392
0	0
0	0
0	0
2.9990292982	1.5696837239
0	10.6583121362
0	0
0	0
0	0
52.9150291722	44.3129302352
0.8042235992	0
0.2167909904	0
0	0
0	0
0	0
13.2384962555	0
0.6945651119	1.8176673899
1.1240492896	0.8824864811
128.5724859768	47.1061410065
1.6708872157	0.6360274866
0	0
3.7356558	0.8379565792
0	0
43.1958941432	247.1874992037
0	0
0	0
0.878180142	0.8357037855
69.0151883681	44.1495518943
17.7811760211	9.5452501003
11.1512703417	8.404623888
1.147500606	0
0.0744098211	0.2336753798
0.6107961381	0.532815044
1.1052799503	1.0605842499
30.9828883988	21.4474424987

gene_expression_table

1.5153615798	0.9517633225
0.8050856456	0
2.0932997636	2.9880746324
90.6127777031	81.881614643
10.1815658219	5.8134585555
0	0.1274248386
139.7030556044	89.994088396
0.4244777106	0
0	0
0	1.4294116723
6.8114737678	16.6371647003
5.5767169862	2.4697863406
0.5292021997	1.1079319299
5.5723044277	4.3747933223
113.9166003884	36.5042674043
430.8793878854	283.1654966185
7.6706561263	10.7061344417
0.7169575348	1.1257608324
0	0.0540040265
2.3593140483	1.4527747218
4.6546050251	3.4802964667
0	0
3.4716708687	0
0	0
0.592518916	0.6202455569
1.8236761108	0.7954225696
29.7238055338	36.8767014827
5.1482573076	5.3891675597
0	0
2.6540261144	5.5564400081
3.1461337679	4.7570692016
1.3135080996	2.0624596296
5.6362228578	1.1062438548
0.4184631331	1.9712021237
162.7858247378	109.9376193417
0	0
0	0.283182401
3.9910793842	2.9490635617
64.3794008673	127.0820652698
8.3401503078	5.4565147966
31.5766031588	3.6726905872
0	0.9011975339
1.091133897	0.3807309963
12.9882003696	7.1978701914
19.4888685036	20.148978603
1.803527674	1.4992328861
0.1036164571	0.2169302799
17.3235674418	18.1342155405
0	0

gene_expression_table

4.7428910324	0.8274720604
1.8001149094	1.3459645931
13.4593375452	7.8733545892
88.525449227	92.6679555177
0	0
0.8487717622	0.3331836124
0	0
1.2662263983	0.8836525736
6.9973784456	15.5652370637
3.2774527485	1.7154097955
1.8945530643	0.1652673145
0.0472561842	0.1484025445
27.7296087857	12.3520011232
4.0070894067	4.1945992496
0	0
0	0
8.2594920372	7.7813919347
85.8029020749	44.9090040333
43.1574977929	26.8238629725
2.4339187171	2.7437983847
1.0801327918	0.6784062552
0.2492232849	1.0435422797
26.7554289219	21.7835617164
41.064037079	16.4356740916
0.9363307966	2.3959123244
0	0.5390367858
0	0
8.9631355748	2.3456403102
4.3992375316	2.5583876441
17.9469407123	23.0564772819
4.7231064665	4.9441219872
1.7300522027	0
12.0506788327	8.0274629381
3.8942479227	0.9058838671
3.8881796264	3.052593857
6.8331275688	14.3057610466
0	3.1941979601
0.1713306198	1.2554356823
12.0453319444	9.2142601134
12.5982770632	2.7474598846
106.3506178699	93.8641472805
10.8883595349	10.3617046731
64.1055074436	45.5081880027
50.2989296653	30.3151587559
5.965741232	0.5204087713
0.9943512947	0
2.7661910333	0
0	1.2045067288
47.6964545096	33.7750856024

gene_expression_table

0	0
0.6646788857	0.3211302545
5.7315765573	5.9997829562
4.5228256103	1.0925697885
2.4144996154	2.6423706573
1.1065268476	1.5444083268
0.4555361811	0.9537055599
0	1.1792422428
5.1251237004	1.9765610518
0.2736475208	0.4296790895
337.4068115068	459.4971919509
2.9553452526	1.2374556912
5.1908964737	1.2075115567
0.5834591081	0.4580713496
892.6688003608	1202.1320794683
3.1948532616	3.7159498894
0	1.3332326387
1.8592218814	0.4865558213
0	0
0	0
92.8003536327	56.9458391279
1.1434671051	1.7954626566
21.2854822521	22.2815262699
0.6247707563	0
1.6779525068	2.8542661815
6.2285747426	2.7943019722
8.823124757	2.0524441519
1.0106826748	0
0.5407882457	0.5660941745
1.3713412622	1.701348177
1.8588481792	1.9458320956
20.9240020005	5.4757826805
0.7015745343	0.7344043809
4.4806372293	0
1.4646330155	1.2544116715
26.7204822222	6.9927136196
0.6882734402	1.0807213027
0	0
33.5808725712	22.0957147909
1.6323354296	0
2.7759968563	4.5664116282
953.867416442	846.6329482912
26.5443270091	41.4519264116
2.1652366944	2.6443175683
0	0
0	0
16.4651452229	4.9244639606
1.0984905771	1.4152540568
0.3091806605	0.4854729336

gene_expression_table

37.9558146458	16.3602101514
11.5084955819	7.7803736442
4103.4057076991	6923.7406664831
4.6797568676	4.2864008813
2.3071747299	0.805045958
0	0
0	0
622.2292840471	408.6878164324
396.0210849671	276.3684688507
14.9540879393	3.9134643429
284.1415377683	148.71890294
170.6619164441	50.2817104978
5.0002893979	17.6656800214
16.0771300631	27.3967818657
107.5352935038	70.3545977598
0	0
59.2862987793	62.0605729319
6.1275411451	5.1314212148
37.4237289038	15.4325578325
2.3960667436	2.7470647422
0	0
2.298709136	0
0	0
0.5712693848	2.0930058239
6.6749408861	11.179666512
10.4125642183	6.4280961485
24.9987681657	17.3228586012
16.6708505071	18.1489932284
3.6867792453	2.9180075639
57.4606798772	31.7152041234
0	0
3.7355557172	3.177166907
11.1719283587	20.1999595651
20.6543281552	7.0121635516
0	0.6902877515
42.216876166	25.0035917983
0.1895732939	0
3.6269965649	3.3748623503
5.896262632	2.2219831575
0	0.4738451917
69.0229341805	68.4500490527
0	1.7049652434
5.5527874215	6.2970130901
0.9612707807	0.5590294387
2.1963103202	4.0233998298
25.3203772085	33.3208633581
0.4889641578	1.3649200081
0	0
64.7575368384	30.64381581

gene_expression_table

0	2.2059097839
3.4114801164	1.1903729019
0.5248090561	4.3949379702
0.5970876839	1.2500562362
30.3129081707	25.3851090325
652.1258207138	290.8647406752
0.8919646619	0.2667724926
1.765065456	4.988684307
13.7803712086	21.9812832379
24.6288647775	10.6158544431
9.9959380072	8.0147437061
1.8981267844	3.9738974488
45.3914464485	33.6818858903
12.9457698213	0
1.2917075051	0.5408609373
41.6012161084	31.1056608779
36.8852839301	15.2649377956
62.1780635051	14.6115147049
8.4099260405	1.7606929059
4.5830507588	2.0560767596
0.5589512798	0.6826249956
1.3273965885	6.4843869089
23.7634534916	12.8389434813
0.1416300138	0.6918684401
2.2639335163	2.7183839743
3.5612208067	3.5316629436
1286.3399033051	1720.5706692638
3.8258384172	3.203893365
16.6851730358	14.2638573471
1.0378789534	1.3037352065
0	0.5342847921
0	0
0	0
0	0
4.7286483476	6.0499061308
0	0
0	0
0	0
2.2805924853	1.3641781291
1886.2802914639	660.1299127179
5.8418306808	3.248698071
0.6922478152	0.7246412225
4.5542401554	5.9591920717
33.1142988794	11.5546222484
1.4876537957	1.5572678475
45.9893253411	6.5647328109
8.0397723161	4.2079948188
0	0
0	0

gene_expression_table

3.757816513	0.3576056136
0	0
0	0
2.2843428799	1.5941584123
18.6173492147	10.7186965689
50.1894461383	7.0997347836
12.9572577024	8.8864876503
12.8993069138	17.1599657203
3.2485069595	0
6.172175612	0.6460999634
9.9521498427	10.417855961
1.5596590111	0.5442141709
0	0
0	0
0.629632029	0.6590953603
0	0
10.975552336	18.7230561421
5.9777135526	3.1287189075
2.4182385764	2.9532987171
1.8058000587	1.8903016135
0	0
8.8068538032	27.6568990141
0	0
1.0594523503	1.9408006085
0.6474039007	0.81323863
7.9622462227	3.333934299
3.9536439192	4.5148939701
0.7740730676	1.4855416557
1.2794013609	2.1045676757
275.6501404759	150.2036190716
9.8477426727	5.8906074898
453.970874399	522.7356480955
0	0
3.9154987917	3.5131908817
3.6278023618	0.6076101837
0	0
0	0
6.1708812355	3.2298223439
0.1528846348	0.1600387986
0.6097222782	0.6382539423
0	0
0.1482740366	0.2586874161
1.7579142414	0.7360700009
0	0
0	0
4.7815821368	5.0053339986
239.763876627	355.5599770239
9.3897761479	2.8668401582
4.9905625583	3.4827290397

gene_expression_table

0.0495045789	0
12.5186120609	10.4835316464
1.6104434192	0.9365574184
0.8566678359	0.5604719999
0	0
0	0
3.8261278505	3.3643425341
652.0104622675	1500.194633108
0	0
95.6607621685	53.1030404728
20.1478948876	14.4304830839
3.228461381	2.4783261769
18.721922243	23.953118065
0	0
0	0
0	0
2.3669936313	2.3700274519
0	0
150.8587486746	76.4119897088
0	0
0	0
7.6883012602	3.5332997535
3.9392796968	1.7672641785
0.3086352643	0.9692331141
132.7708870802	80.3135611114
4.1044099782	1.1717656066
10.7997506793	11.6376234013
0	0
36.8133333462	6.623374273
0.3669799778	0
0.4205509361	0.2515602383
0	0
0.7689029574	0.6036625542
1.6784383108	5.2709400997
3.8175843833	6.3017416761
2.3651770245	2.2105842485
0	0
0	0
3.0105439999	1.9560543979
0	0
0	0
0	1.3067218268
0	0
8.5001564011	15.8185194257
18.2796985407	23.2354644122
1.5558605722	27.6873275706
0.2132540311	0.223233152
17.2941503414	10.5887939303
47.2808553509	21.9970402171

gene_expression_table

0.3210995927	1.3445011817
24.4527637264	23.0373172569
6.3015354641	5.3970650336
2.7432937829	1.4358324553
0.0621679638	0.4555395885
0.8327643669	0.747199868
1.021223716	0.7635795672
5.4054982205	1.6166988396
7.0212848904	2.9399370309
2.6245234997	4.0555924612
7.9312429117	6.0380957464
49.5304106269	29.1645914814
0	11.3244566448
0.6783921226	0.8876714491
1.2293061763	1.0294647793
2.4026219822	1.2575257676
0.4925567926	0.2148357306
0.4786720531	0.9186306876
1.8746741193	0.9811993015
0	0
0.1883071927	0.3942378763
0	0
0	0.2934488176
6.4311788883	4.488081897
0	0
1.1206014051	1.9941670052
4.8329867626	2.6982101757
9.5461694567	12.2989266657
3.6451476897	2.8875723778
5233.8269575073	5667.3644721518
4.3739632539	2.9136804989
3.606275232	1.8875145831
6.9136628481	6.7202426689
0	0
123.9586298791	79.8980351652
0.2493538406	1.305111175
1.376305869	1.6949522912
53.2813655299	31.4133039388
2.8864635734	3.0215342635
31.8254162465	7.0136150447
80.0283259783	37.5234185147
50.8563697704	40.9508995421
8.9939717619	5.8010632723
27.8721109744	11.8866705428
0	0
1.9321039436	2.166981245
2.8385620753	2.2285434281
2.5041836082	15.4785402591
7.659432473	15.0334724483

gene_expression_table

0	0
10.1807894772	10.6571946785
6.6349133815	3.7883950895
0	21.2755130936
50.9494347078	32.9898490339
6.9151574736	2.352593418
14.960057008	14.9482827711
16.5905296487	21.3138927727
79.9353901614	8.9652780776
0.9741072677	0.3823838077
19.7025674714	19.7884097554
1.3069791705	0
0	0
4.6902822987	2.53953198
2.4815927561	2.9688202386
1.9676272018	1.0298506904
0	0
0.2036704547	0.4264022335
13.1288019129	0.9816541396
38.1442530998	19.0139025146
0.6208401746	5.1991367625
0.5031496999	0
3.5675215854	3.7344620612
1.6554891236	0.5776523166
14.8762286559	4.00431978
28.1501636835	16.7247616562
6.7651407333	10.9444644267
18.1820690364	13.7459763342
0	0
0	0
1.0715706671	0.8837749084
1.0033912086	0.5729151398
70.7490867181	43.5645626943
7.3925791195	5.9527010332
69.6362140277	26.62245145
1.5880875053	3.3970809272
0.7171560984	0
0	0.0351274086
0.9809364444	0.770129174
123.5883517452	92.3083919158
18.6053307989	4.7940820687
0.6759215022	1.1320814839
0	0
0	0
38.1915746468	3.1982984974
16.8389080984	6.3652610644
9.3983432395	5.8188964719
0	0
0	1.020734588

gene_expression_table

29.1838419256	33.943873253
0	0
38.5729629558	13.5851101942
15.7660889448	8.6107072581
0	0.2248180256
40.9324517004	19.7759382964
0	0
0	0
4.3697403489	0
7.8956271118	3.6159809118
1.3212791989	0.4810809845
0	0
0	0
5.9050381576	4.6000830582
0.5139775762	0.9415505967
0	0
0	0.3356843941
8.1452142942	6.0186110985
14.2013675227	9.8306849066
0	0
12.3656312353	8.6739987565
0	0
0.3867555363	0.0578362254
5.0446087706	8.1030952869
12.4716632461	2.1758781326
1.2239326683	12.8120601532
15.4933179153	7.8388548397
0.8017521338	1.6785394871
0.6966043269	0.3454112818
34.2291979629	60.9703847355
2.0460254959	2.1417682858
0	0
0	0
3.1486884174	4.7380428292
28.557709026	12.8117371872
0	0
10.1951915313	16.8509536891
0	0
63.165572857	37.4915017394
0	0.0484922885
4.4433225054	3.1008304458
3.8021993827	2.9850911207
81.6367121622	80.2248104247
0.0908860807	0.0475695258
73.6740456807	72.9808312248
0.1023012748	0
2.2025124758	3.2936828565
20.0877885879	10.5138935502
3.9574670919	0

gene_expression_table

10.7717207947	8.6917458083
0	4.9148207544
26.8074850228	28.0619285338
0	0
7.523765271	15.288388089
1.185546283	1.4183124084
0	0
0	0
6.2623051793	11.4369879844
0	0
1.3135414145	1.3750079603
0	0
0	1.2675460806
0	0
0.9794868772	0
7.6033865286	5.3061222565
16.500994568	12.508143654
110.8581741768	68.3380408288
0	0
0	0
1.0247941537	0
1.7868626429	1.8704780304
3.005295312	3.7179133452
37.3384068451	19.3936380856
0	1.8032343949
0	0.9851361947
3.558174824	1.5519491344
0.7431551681	2.333792282
0	0
4.703423352	6.892924935
0	0
12.4061692394	4.925993459
18.031264552	13.2824278151
26.4713213738	7.9171526477
0.9596810764	1.0045888959
9.5872773634	24.7037771017
7.6216652117	6.8385577801
1.0144627041	0.7079560025
0	0
16.0615920331	4.2032966482
104.1366572405	38.4740056182
43.0427172136	40.5511926237
294.4943999252	62.8331465574
0	0
0	0
0	3.100925041
0	0
0	0
307.9419768518	465.6195197191

gene_expression_table

1911.8995136217	912.903763014
47.0076480109	16.4024495137
0	0
2.2343646391	1.1694603348
3.3121075801	5.778493465
0	0
106.4740899495	70.1867092857
1.02204368	0
37.9988641186	26.862391563
4.3484668153	3.5765331263
3.6056726462	9.4359959566
5.149006077	34.6496873614
23.2160945092	2.5581558536
16.6290551892	9.051746037
1.1064511979	3.4746811664
67.5871975685	90.0453378769
0.3473720041	0
343.8097303893	81.7950325442
0	0
16.2360169265	13.5966188929
0	0
2.6183565236	0.9136270906
51.7176626443	39.203209912
22.2410375708	34.1466346397
5.6444543281	4.4314379128
2.0836953357	2.1812008678
39.8579525071	40.8160628185
1.5327267423	0
0	0
9.1729047831	6.4014309996
107.179216373	44.1978793552
407.0579258434	80.8132083894
0.8318573316	0.5805224665
0	0.190348387
5.1930247625	2.7180149431
9.3441464621	17.1174523649
0	0
0	4.3609419122
488.3819877777	372.8347953572
104.6588350356	55.774114043
4.4955726868	4.7059408724
0	0
17.0466206787	1.7844309185
28.109981676	39.2338331978
11.9603028645	9.7377618709
0	0.763658732
0.4466786728	0
12.9446604058	23.7131993569
118.165441757	64.2571103378

gene_expression_table

0	0
322.529342936	223.0716456229
23.2998296463	0
102.3789326437	90.0225531254
5.8693195301	4.9151772367
0	0
0	0
35.3445025028	27.2620022951
14.7261707664	10.2768499488
0	0
178.9766820233	31.8896699116
37.9195446868	15.8775886978
0	0
95.9364480576	139.7227805406
64.0154798056	67.011053735
42.6738607049	22.3353818597
0	0
18.6023697383	11.1273478756
85.8617390585	89.8795982987
13.962309218	0
60.124926258	54.729081378
128.7199765924	64.7804647467
0	0
8.0597916695	4.2184728936
0.8913400712	5.5982994351
0	5.6584459387
113.3915149016	118.6976169083
0	5.8197825972
654.9146356646	2229.6174836814
0	0
0	0
0	0
3.7179098719	4.1698796743
2.8499338186	1.3424828022
0	0
1.7070508808	3.1909491337
0.2268422689	0.7123717348
5.9970954634	3.1388633466
0.7539451845	0.7892256908
26.881473186	10.3671396087
0.4317059287	0.3389305517
0.3872850586	0.4054078787
0.2244548671	0.0335654465
9.3820647376	8.6656711716
6.1177099018	12.0964165395
25.4229500322	37.4547772481
18.2170887802	0
4.0816641461	2.6187293513
11.7268311246	3.249418926

gene_expression_table

4.6267816721	3.082093458
9.1664723445	6.85386647
1.5947611749	1.2242173281
41.1649479873	18.716398105
219.4449040315	156.6229935952
0.4181110071	0.4376763128
1.3961405859	0
2.1950443066	3.0636804811
4.9720619577	4.4949917005
0.7125461926	0.7458894528
1.4309515183	0.748956107
114.7948625339	103.3011411009
0	0
2.6367608916	1.5772267791
8.5113256138	2.8135607519
0	0
0	5.1059032973
1.7185549574	2.248717399
0.5767559977	1.0565537854
8.7334237511	5.9154765751
14.5332548956	11.6337241998
0.747508699	0.5216586753
7.0907804113	14.5077897565
0	0
2245.3413423275	2082.6866900336
52.6772162594	27.5711107695
1433.7231811818	1093.8132838492
83.576858507	24.996513671
12.8738682886	6.7381474159
3.967919547	4.9087958103
0.5390374924	0
14.2921396819	20.5712836457
7.9790700023	6.4433160935
609.3577840459	335.7223114302
4.0148999435	1.0506938192
0.9915489323	4.003513687
1.62299693	1.6989442994
15.1414637405	2.2642859049
1.9039792559	0.9965375298
0.7942596555	0.7126514214
0	0
1.8365934717	0.9612679948
4.3599695594	3.3469276582
0.984402036	5.1523333051
11.1148615036	18.5297768491
0.3737284569	0.1304056341
46.2719055133	28.0935628474
0	0
2.6386340054	0.96673767

gene_expression_table

108.653609595	76.940414184
0.5023765846	0
14.7035293689	11.8396723325
0.7959766057	1.3887065873
0	0.2003333153
15.0234965628	19.9605753838
42.751231544	26.851053054
2.5273492851	3.023560449
18.6633389035	5.1412318343
2.0821940756	1.453086238
34.064390977	16.7376247523
55.7994127442	53.7376781454
17.8140469701	3.4964337797
1.0993860249	1.150831271
0	0
5.3219538548	0.5570992154
3.4876278443	1.9214893318
5.0656605127	3.0301175354
46.1481287262	13.6719646585
13.9741497109	9.4037550429
3.3435841207	3.8889394992
1.376379639	1.0291333354
0.3559439974	0.7452004548
0	0
10.5435646757	8.2777093273
0.6181942938	1.0169066314
1.2012069674	0.8382779174
4.3856604556	2.5504918615
5.4208881837	1.7023668204
5.8331453135	5.3428415022
0	0
13.6682014011	7.1538991923
46.4016471399	14.3228047871
2.1478800876	4.4967782295
20.6341627781	0
0	7.9740852604
0.9328219858	3.2084111113
0	0
0.1770733518	0.5560782453
1.2860824597	1.3462640766
1.7131429737	0
3.8597809855	4.0403976009
0	0
2.8172869974	2.2937604685
6.9146538645	13.1604032786
4.8549757529	2.8587161442
0	0
0.2753011805	0.3602297104
34.9296295086	36.5641449077

gene_expression_table

0	0.3301771027
0	0
2.7555677378	5.1280235012
2.8499756408	1.9888925969
0	0
0	0
0	0
2.1964561189	1.0996356792
4.68737444	7.171356927
0.1393537921	0.0364686966
0	1.4124296253
9.4803434902	10.5077346931
5.558286112	5.8183834669
5.8426215424	0
0	0
2.0120420797	0.8424778527
0.1211291196	0.1267972992
36.2076779607	27.4184673828
0	0.6854467301
0	0
0	2.0098134064
20.8081751832	9.4856590933
0.3396638744	0.3047642433
0.210794299	0.110329159
1.0246643878	3.2178392112
14.6197485748	20.6602282202
40.7690103196	18.751917064
2.7779461402	4.2297291761
0.5717537509	0
7.3583985052	3.0810925053
12.6997564835	17.016365501
8.181688506	11.4193956376
29.8221627109	16.9467387423
0	0
5.4922043638	3.2578853577
0.2062045989	0.5101999973
1.884277759	5.9173549216
22.2976031174	31.0676876413
2.0531334947	1.9838851385
0.6160193998	0.6448457346
0	0
215.4077067816	266.4853548673
3.7924283741	7.1458078609
1.4066030115	0.9816162203
276.3694207105	537.2751359881
28.4582366851	30.3436424379
0	0
5.6047080912	5.3780629288
0	0

gene_expression_table

0	0
7.4111329925	4.8487083974
4.8204151046	6.5597793777
1.3060239063	0
1.7119568262	1.0589487005
0.3076730069	0.1207764071
0	0
1.3574575731	0
0.5603123415	5.8653189103
10.548893971	8.0798959368
2.411185369	3.3006358388
2.5027544533	2.1832247146
1.5003956374	1.6629945222
0.1037872298	0.2172878076
190.1692822113	68.6441942486
0	0
0	0
0.2749866054	0
0	12.8198162244
1.9378499687	2.0285307363
0.4811672862	0
0	4.8219563171
6.1623385393	3.6861155658
2.4560378894	3.8564505214
0.540306197	0
0	0.8613972649
5.4284643355	12.6277483159
1.668101697	1.3096197918
3.6393212665	3.8096215742
0	0.9519237591
101.6286378655	234.0454635995
105.0344727247	73.299673945
0.2835602883	0
2.8082702884	1.6331566449
29.82593807	13.9500893993
5.9058733751	4.1214906071
0.6848657134	3.5845683933
7.4045210561	9.3012145165
0	0
0	0
21.7950852987	32.9549652592
6.9660229789	4.1668541205
0	3.2545167881
8.279028902	9.0432439531
54.4495755593	43.1231218301
14.0446008149	29.4036224597
10.1992261229	11.0446490257
75.805111287	35.1910534444
22.0988869083	29.7076341562

gene_expression_table

43.9698939283	36.1644204436
0.2202849738	1.3835586265
0	0
0	0.345753179
10.0844941638	10.2857165211
0	0
4.5957863616	3.2072293323
4.8903680219	1.2798026168
0	0
93.4369690007	65.2062050153
0	0
0	0
8.4942327572	0.8891716339
0	0
0	0.65379628
2.8190318189	5.1641573761
1.5109757887	4.745043546
8.404526409	7.5981105578
0	0
0	1.0590683675
1.56791917	8.2064460088
58.617677668	55.5167912505
7.743500272	7.494091142
0.9090126754	1.4273242367
633.5700045945	190.2527733038
11.1302060926	10.4859349135
0	0
0.7252277533	0.1265274069
0	0
0.2354382898	0.5633268858
0	0.0885527831
9.5449905014	4.8107914554
8.0507383395	7.6119073131
0	0
1.3341737842	0.8379634871
0	0
0	0.3999713654
0	0
3.748335136	3.2697805799
0.2719400976	0
0.3005731683	2.202468427
1.9225999278	2.5614490071
0.5064039223	0.8481613648
3.6032643153	3.3946896196
94.6318609852	61.1221979443
1.6782062499	1.1711580755
110.3491320968	57.00635007
10.382972018	16.6409896448
0.4203041031	0.9679384741

gene_expression_table

2.4700948828	1.9772860808
7.5744438404	1.057184845
3.1889560016	2.532413689
7.6233474358	6.3840626825
0	0
0.7374324686	0
2.6219975978	4.8032122744
3.7034466069	6.6962004508
492.3233109393	238.3173854834
10.3434565439	4.8122105214
0	0
0.9236318312	2.9972435046
0	0
0.7077629577	2.9635295547
0.2712336807	0.5678518636
65.7160126968	37.5224521385
15.1536157981	0
65.1501417072	0
20.4491753982	11.4675454471
3.5571972318	2.4824363896
0.343196229	1.7064656833
333.6919932438	727.7228153157
3.7951556309	6.3563970136
8.8677090531	3.0942230935
24.0428766054	24.0493759547
6.799391049	11.0717682741
0	5.678360027
343.0317419677	423.5346785137
0.4605420494	0.3213952637
3.4814416332	8.5034927566
3.6073302419	1.8880667724
0.3519039285	1.2279036849
0.3217155514	0
0	0
123.0474225575	53.9590055848
1.5773170579	1.0319542871
8.8255716154	3.5532923236
0	0
23.4982746204	15.4390856071
8.6385639842	3.8180717348
0	0
5.108087054	4.7742121055
6.4491180205	6.7509014308
1.216520072	0.7276837429
0	0.2226376211
3.3826417801	10.2293559139
0.0791931067	0.1657978209
2.9036763561	1.8629515385
0	0

gene_expression_table

24.9171051325	16.4071045066
19.9194903008	20.851613375
6.0848055916	4.7771558813
1.7877828143	1.1008478005
0.6440392245	1.0112651005
1.4246533162	1.4913192905
0	0
4.1566996291	6.8809839061
24.1998348892	46.1479057624
223.5140355003	80.3834542017
2.2802749835	1.5913195778
0	0
3.1366892147	4.5968567325
15.4818492253	10.4183453546
0.6957395575	0.1213827265
7.9036602665	11.0313443858
4.4591303785	1.9653866373
2.1736215704	1.8961126316
0.7766672002	0.1355018287
38.8059271577	11.4574398122
0	0
111.5737198019	24.5883703056
8.3332863053	8.5802345649
0	42.327013468
79.8757789446	8.5757464645
54.1963474914	64.8370740509
8.8585743477	8.1139687307
13.1952302066	7.9598579788
23.5391364668	6.6340182358
15.3489008887	25.5184074084
0.9832614259	0.2940779076
760.4538085066	562.3393942547
0.1301754408	0.681334693
14.5632283004	3.9523316109
0	0
887.4409508166	390.7750901204
23.9128018648	10.2694523299
11.795963318	4.1159832703
0	0
0	0
4.4614918463	0
108.2122914874	22.0667599087
9.012285302	3.144670302
0.5812405427	1.216878835
9.6483019389	6.0598737834
1.2180831425	0.7969267273
190.2515086872	99.5771187728
5.1543186234	2.4366830698
2.1071625119	2.2057661794

gene_expression_table

17.4942196886	13.6513997909
0	0
77.8912059096	81.5360878422
22.3965085949	5.4102790528
9.023731069	0
0	0
0.5209741404	0
21.2203605843	4.5565861056
2.323585244	2.5843360797
2.5690346059	0.597611413
1.3566114616	2.5124730263
10.1867703867	14.9288376464
9.0570873251	4.490957093
0	0
0.0702912213	0.2207413968
0	0
2.7594700133	2.3269262473
0	0
4.0831722859	7.6936363036
0.069508118	0.9458893253
0.0718537963	0
116.432098362	20.3134138376
3.3022203128	1.9483478253
35.6198730452	44.5034663969
0	0
2.7388833428	2.8670480861
2.8313613842	2.9638535935
0	0
2.8743195744	2.1491585656
3.6044179056	3.7730849271
0	0
0	0
5.3544790527	1.5569553759
0.0939764576	0.0983740413
0	0
0	0
0	0
49.0603096527	40.3511927563
63.9376781379	40.2943578688
4.0876953113	6.4184656038
0	0
0.1457154532	0
0.8532174703	0.3247794095
59.9039913843	26.6030418897
0	0
4.8920486393	6.3402482353
156.5492520055	147.4874098133
0.149756745	0.1567645406
1701.2291661087	620.9498744461

gene_expression_table

0	0
0	8.1556804143
7.3545915944	16.5819149137
3.0496210497	5.8042302112
2.1399185949	0.4480110136
95.9079588858	62.9601571113
0.344480996	0.1545432087
0.9121417932	1.0282731142
0.7696470723	0.4833974046
0.153895017	0
11.5655514571	2.0177926561
0	0.2208497867
0	0
0	0
0.2635897903	0.2759243492
2.8701930135	2.503751942
2575.2605963077	2903.1355134103
4.6251188394	5.6484739216
2.9607616817	4.7898413616
6.1976926151	0
15.3585401398	0
12.9599212609	6.783187306
132.7056864671	12.6286896314
0	12.4621385019
0	0.6944045227
41.9711142954	21.967566313
5.8437722688	5.5611171023
26.6689186803	5.9397612862
36.8154269161	38.5381873079
5.7599650048	12.5614579741
116.5826385705	25.0334497829
7.3636088427	3.1314503253
33.1720059831	15.7837610115
16.6391422118	7.8379933308
258.8021993369	163.4818169063
0	0.8464133867
13.0044690015	0
25.9152308604	31.649242056
0	0
1.1866887866	1.242219324
23.3873723588	16.3211822163
43.9876231947	3.5420002385
0	0
2.250130229	1.1777120014
2.6934010974	1.1032581603
8.2931394683	2.3372496499
52.6671528259	21.7625081021
36.1453080342	20.3197149151
13.7099440727	6.6237666391

gene_expression_table

14.3674336242	19.1183273479
26.6898563963	36.6696691354
5.3743839957	8.7513622599
42.2185986432	29.1848476605
0.7613214052	1.1384958261
1.2117900245	2.8541141153
27.2487621548	51.6994872226
1.7335113188	1.8146301564
0	0
0.8853667591	0.2316992689
0	1.882864499
0	0
3.2608776112	3.7548157109
13.8428291116	9.392054075
0.8091120585	5.0818444347
0.306411861	1.9245015495
7.1919117143	6.4529604019
0.3870118531	1.215365666
32.4108107539	14.0674830943
25.213579227	15.9960222269
1.0020883989	0.8158738381
8.2916220234	9.919570894
0.5334760086	1.0238062352
0.9917190593	1.3495639053
4.6655185187	0.9767678477
36.4993038049	32.5469348674
0	0
5.1958286897	10.8779300438
0	0
22.7384076885	0
3.3431236671	4.1994762588
12.5838283744	13.1726826379
12.9596236882	9.1899137228
0.4518752212	0.9460410145
0	0.8194141301
0.2848754937	1.7892366416
5.3108931325	6.4859828256
0	0
32.7200178765	98.8759196072
20.63854836	10.802159707
577.6978948002	756.3597080755
0	0
380.5381029454	117.1603536691
28.0153399541	13.4063106112
8.5782623426	6.9388421286
0.0498686168	0
2.291170073	0.6662178574
2.4168301882	4.5538642932
59.1118199098	21.7231028768

gene_expression_table

2.7245085651	2.8520006475
0.7089255628	0
3283.8632555562	1553.7432833832
26.1505247658	54.7484522682
0	0
0	0
0	0.4988336123
0	0
0	0
1.6947548743	5.3221803677
0	0
0	0
0	0
27.9356645667	16.4959952683
39.5540436902	25.631639646
0.9324464508	0.8325386861
0	0
0	0
439.0820056122	248.4479130926
0	0.0713372626
6.7455272353	10.2891494191
1021.6624298167	826.4091288073
4.4702721879	13.160971262
42.0794125893	25.6484929063
2.136237852	3.0348456884
0.3303600117	0.0576365085
5.8026454351	5.0618145569
3.3481611814	2.0924398754
0.8958463571	0.3125890204
0	0
4.9645630018	6.4960967077
5.6952709697	7.7282313447
1.0521884756	0.3671417116
9.2367656739	11.2369409839
5.6116718697	3.7381701546
4.8220296357	1.7405773169
0	0
0	0
6.8392471232	6.6755508692
0	0
29.6432267334	4.7739026814
1.997939808	1.0457162255
9.0226374293	8.4182336023
10.0617353046	7.5232638732
14.8786554301	7.9240694033
2.5272160242	2.6454758961
0.3127929122	0.1637149539
1.3135939816	0.458354329
40.4565419896	24.9560653352

gene_expression_table

0.377846837	0.5273706667
0.0387268377	0.0405390417
0	0
165.7527944812	95.9149780858
25.1319548089	24.387701244
201.1942027887	50.5461575551
2.2040722439	3.2300950587
10.6298258244	13.6706134035
1.5885415854	0
0	0.5617170803
0	0
0	0.1282369778
2.0371953193	0.7108416351
1.4420441658	3.0190478732
0.0801084096	0
0.8890631841	0.4653332365
0.6229970522	2.2825246602
2.3419209649	2.0883233696
0.0928832001	0.5833777518
32.2596137348	27.629334831
0.143858326	0
0	0
0	0
0	0.1070890912
3.9734733875	2.4080795806
4.460434376	3.9220929561
32.5034077987	20.537243996
2.3576461027	2.7764674096
80.2676271509	59.4107058684
0.2049445557	0.4290696774
1.0450263401	0.2734819627
42.3710033516	6.087767453
60.7121995013	39.5813777018
56.3062194791	27.3060195681
7.33761528	6.2585726272
0	0.1143112679
2.1000382798	2.3611462443
0	0
0.2494762923	0.5596080358
10.8910240056	5.1302989322
12.7773111002	15.8830729138
404.3127469888	128.98510314
4.3434374696	3.8971599086
9.2164360321	8.0397623104
0	0
4.1299613721	3.7593225653
24.2620460608	9.356928356
1.436368061	1.4284031102
0.3482065838	0.850501739

gene_expression_table

86.0131949019	95.5667992544
22.2609890637	20.9386413108
131.5094914591	79.0832387266
0	0
1.1031096895	1.5100304697
379.1991201301	345.6588645859
2.6374026429	2.7608186451
1.649100955	3.3024292779
29.8789017378	16.1777952068
0	0
23.8330776533	19.0781386718
16.7293133673	12.3233673687
2.7665653834	0.7240063737
58.3025322074	30.2007941301
15.5350421343	11.443627548
0	0
3.4937169905	1.2190679384
34.4174358082	17.4993061969
13.9210250394	15.4832310838
1.5436031582	8.7255108024
0	0
0	0
10.5383187193	9.0052688419
27.7245922479	16.2806068579
10.944252199	5.2074469433
5.5479633085	5.1243331876
3.2812674317	4.1981045095
53.8678660376	47.3664132541
0	0
8.3624156075	7.0863535601
6.8719477494	3.9237366959
0.6184676579	0.3237042789
71.3907278688	31.7042400705
1115.7393176011	1507.3278939344
4.0092939305	1.5261479756
65.406004172	19.1706611678
1.218908806	3.1898676597
2.2495568279	5.3637652532
24.3396129618	10.8750009155
0.3930825842	0.5486355957
145.4449986892	207.6150384871
1.346061263	3.6507193133
2.1784980041	2.280439782
4.3617723721	3.2084558196
15.7575571261	18.6942477859
23.4747499093	8.1910798886
47.4868664471	46.8952752603
0.1199885948	0
0.0772752355	0.1617825868

gene_expression_table

47.3441456867	36.3703460836
0	0
0	0
0.4348411179	0.4551893012
0	0
22.2529664326	12.3905762832
13939.9034507028	19955.5370903528
26.7873233918	31.7570771589
1.8232627618	2.3175632203
0	0
0	0.0858108928
0	0
1.6965238182	0.9133260909
1.4748139147	2.0584361738
0	0
0	0
197.6088030919	151.7635613278
5.154980625	7.5546876881
0.9128581235	0.9555748852
29.3908320572	49.2258593024
5.7655053071	4.22470957
0	0
1.8567511192	1.2957579365
23.4631203492	7.8386380551
0.7022891389	0.3341601932
0	0
0	0
17.1959788917	8.7695506244
1.5891135082	1.108983546
28.3806430028	7.4271754233
7.30836134	7.6503526328
0	0
0	0.5164742132
0	0
4.5910371092	1.3731064306
8.5112078214	14.4779143326
0.8524657188	1.4872607445
4.0809586263	17.6216912198
2.4713018679	3.6217233687
45.3335060849	2.7914627023
19.1436736129	25.6505506741
0	0
187.0198784006	140.8598987165
31.6585354804	29.7117076327
32.5497164999	37.6594823702
26.801143058	44.0868839711
353.0080566111	239.718733029
97.1182440688	65.3546867831
4.3637930629	10.4411307056

gene_expression_table

2.6496499136	3.6981853614
37.7470826177	24.6958996218
0	0
154.961823579	71.2155461303
3.8731749844	0
13.8121404605	15.7728796405
3.5573069698	2.7438301265
2.7413250464	1.812381504
18.8745418146	16.1654457448
3983.9699839053	2242.4434956013
6.7286401299	3.5217518222
8.965928699	5.2793353507
14.4264403557	5.0338395901
0.7597675422	1.0604273373
0.1115872836	0
32.3058919948	26.5201420836
0	0
0.1742498175	0.8816181482
32.1250151221	11.8153451088
7.9415201215	8.7090035773
73.1530055011	32.3736635054
0.6589684215	1.751042282
3.8430045268	4.0228360957
0	0
5.6735383746	10.0349109072
0.5912849977	0.6189538979
22.1208365225	11.9772261445
0	0.7558620081
1.7930491549	2.8154310559
129.5195914118	93.4683054317
15.0891995807	24.6299460649
0	0
429.5678801411	215.226333909
8.1600310953	3.4167503477
0	0.599822516
0	0
0.6193433727	1.6208131281
276.2294271569	292.5492951471
24.952941034	14.5114455784
0.3708340145	0
0	0
19.3343749876	30.9814188918
1.0656523127	0.5577595029
12.0464181859	8.1965809869
0	0
25.1192396172	22.1428905158
396.3634005419	218.0316823697
16.6304137652	10.7460654737
50.9174444161	33.6896871191

gene_expression_table

0	0
35.9580219876	13.4832216801
0.0939186494	0.2949405839
133.9607510196	92.2877120497
286.4435694217	66.6327911133
0	0
3.3570700436	4.034779212
2.8102208148	13.2377569252
0.3884889621	1.2200043549
0	0
1.4652397699	1.150353726
0	0
0	0
0	8.4495696462
2673.88845021	3736.4798515518
0	0
2.7832108199	2.9134498465
1.8195924378	10.1586101356
0.1084497301	1.3622950036
90.0040504949	55.8315539132
6.7427971304	2.1174969345
2.5420657618	0.332627565
5.98902684	1.7912230007
0.3397122547	1.9558491047
0	0
0	0
0	0
5.0596274507	0
0	0
1.237976109	1.2959066121
5.6958555883	5.2170916363
13.8551387964	5.2739939732
130.1044291775	58.3682588822
45.8716265114	37.9090795703
9.5073707493	2.6344227286
0	0
0.5101101811	1.1747571977
0	0
1.0972453492	1.6080265928
2.2709372874	0.950881887
0.8559803729	0.1706734414
51.0538223102	38.4788603823
25.5249940007	15.2682422596
0.945772655	0.4950148183
29.2331593373	9.7923555597
0	0.8172006724
0	0
0	0
8.7558323783	57.2847336868

gene_expression_table

7.5102684385	4.0050209944
0.8846287417	5.5561471375
31.5086377267	26.5696948286
3.0863820723	3.2308078533
0.460861169	0
0	0
0	7.3228386171
0	0
0	70.4423581728
0	0
32.4135022478	39.0198181687
3.2983648979	5.8430482244
0	0
2.2057326031	3.5683754354
95.8306930051	155.0323418148
1.0851832775	1.1359639128
280.869858105	231.6466293212
0	0
106.2627350603	46.5635926905
0	0
11.0730139596	9.0648896571
36.4442753751	7.7766630734
1.9789755041	3.1073710823
32.6576881798	36.4649484427
17.101861577	35.8042701104
11.9187414123	15.8035327804
18.792142607	11.9434179891
166.5430075239	369.1827706173
88.2767000309	57.4980412043
50.9039473862	30.1953849223
6.6859711114	8.3986055394
0.6418362567	0.3359353395
1.7264190685	1.3288279615
0	0
0.8439308376	0.4417110899
1.2674792009	4.3784079479
0	0.7396532184
0.1920812482	0.335115998
7.9023738634	10.6356364582
1.1267669966	1.340333548
0.4644886432	1.4586725049
0.8572407099	1.4582016819
4.417288518	5.5487921198
0.2178281026	0.091208506
0	0.2343401547
2.4360379421	1.5300187074
2.3048590435	0.3446734037
0.4381768424	0
0.3197988751	1.1158790379

gene_expression_table

15.9271043882	19.5622893107
139.5177730373	40.9954921731
91.6544551253	44.2815608117
21.673221915	16.5792611728
3.6546792198	3.8256981955
1.598583729	1.6733886942
136.2049073715	53.4669567105
147.4725744679	52.9280514675
0	0
109.9336239488	116.9958808529
1.5297423033	3.2026517336
7.589899091	7.945064809
4.0998256295	2.1458375099
0	0
0	0
5.7299700553	4.9984177322
50.7974314888	31.9046838805
8.6894290858	4.5480233934
84.9663237797	84.7069357027
15.2248933888	11.1561345234
1.0024815208	1.5740882502
7.2352559447	8.2049784974
0	27.0953812724
9.1377297889	3.5869970655
7.7034138782	7.6394761262
0	0
325.3496934127	130.9901067568
109.912884886	38.3520686852
14.0190020441	41.2734784974
69.071832482	72.3040160299
12.4206152512	0
0	146.5959007647
267.6975321564	0
5.3589608187	0
4.8578903414	3.813909757
0	0
212.2133690643	23.3835571298
0	0
69.088843852	60.268186199
14.3399447743	1.5010975669
28.4763548487	19.8725948863
30.8170009629	16.1295339326
0	0
0.1264557647	0.132373202
0	0
0	0
0	0
1085.8316137981	1759.0897190666
83.3389496168	45.5158727609

gene_expression_table

276.5980916273	77.2110314039
42.3925478189	4.4376286931
2.825813465	0.986015354
199.0471161213	48.0834072106
3.2041302064	3.3540659554
16.102475795	24.7221091199
7.5644130275	2.9693948015
0.7958174344	0.8330573327
0	0.6311992228
1.5347859146	1.6066054915
37.4064293149	10.6791396499
2.5234367619	3.1698237419
33.9288504661	0
1037.9326963248	375.5810292442
0	0
30.2043906338	51.7382030081
67.1216467507	43.2385060215
9.8377916885	4.6809756688
21.1898527749	6.523947605
0	0
0	0
438.0984882648	120.5077923453
0	0
309.2076823574	234.1492531621
7027.135961121	10216.2811823699
14.519194084	5.0662042884
0	0
35.9545941068	14.1139020888
143.6219113074	30.6253506238
0	0
24.1013576654	14.7170153864
1.5821357062	0
2.4006363863	3.5899614631
13.0178349317	10.5987764755
64.8736261329	35.9520123237
25.6550515281	76.0907744754
306.5924726745	42.0904028337
14.5266975435	6.9120306571
0	6.8867427401
35.8726004672	31.7741276293
66.6533232239	32.1174234867
2.4948837923	2.6116306927
14.527448316	11.1519857901
13.3394285368	0
6.8688475919	4.4247827987
415.9338718495	461.4689941331
5.851070742	12.2497376287
106.0091375916	0
2.481190561	1.2986483466

gene_expression_table

10.3677525127	3.1920313412
0	2.0827867151
93.2847822236	88.7727265801
217.3280421747	192.9411760015
0	0
0	0
0	0
0.981328018	0
1.2342939042	0.4306840335
46.5951871564	12.1938966943
133.4374931758	27.9363274402
0	0
0	0
101.5409274808	0
58.250971826	121.9535966926
0	0
0	0
109.596137823	32.1228983501
499.0205351493	499.8235336497
4.1770710214	10.9313376826
0	0
10.4706027641	8.5248874979
0	1.1492698691
7.1064544365	4.6493734949
0	0
3.6794501926	0.9629070786
3.4098628754	2.6770693401
17.8173156026	14.5063865424
1.4559249435	1.5240542588
5.599633822	2.7354441442
1.1164758437	1.5582943998
6.4571589137	2.5347444727
1.0641108339	0.5569526971
16.8558892585	13.8636555978
1.0868898556	0
2.287147223	1.8500429191
0.3976452355	0.8325057103
8.1866894327	4.2848908354
1.9548329113	4.0926167751
18.9168136792	9.1393924513
0	0
5.9633678062	1.8998671897
13.0638836915	5.4700807661
13.2620008241	13.8825898448
18.6122837667	5.7024107511
7.4763797214	3.0100897517
2.6210280131	0.2743677772
16.0662425602	14.0150456159
1.7383058105	2.5020173807

gene_expression_table

315.0879263638	63.7176065021
0.8547618925	0.8947600687
2.2838414327	3.1876169416
0	0
0	0
59.4505521441	19.8012539629
9.1567813744	3.4506966973
27.1719422542	27.9693830286
0	0
26.6828891058	24.2073019155
0.692395896	0
0	0
22.738828054	13.7806151406
0	0
0.6233509869	2.6100815993
0.1471425476	0.4620840395
26.2196219884	109.7862269132
7.2243264137	4.9319904339
16.1125621777	28.4622893905
19.1543357906	16.7481931937
19.9662375231	10.7488533144
3.6485700489	1.5624421973
5.2610966331	4.2114548777
0	0
6.1799532887	4.5283988844
0	0
0	1.1241050455
76.810379829	43.2025173238
0.8170261086	0.7839869187
0	2.3356155153
27.4927434977	9.593084451
63.9585111932	77.663646392
0.3198199407	0.3347857627
25.5568560969	22.3576779399
15.0872207256	4.737966013
1.2683632715	1.062172582
3.1207883584	4.7187460165
76.3135743031	63.3231836766
41.3479684221	28.6225145879
0.0812512719	0.0567022577
0.3369596917	1.0581826806
0.0281917914	0
0	1.0519007259
0.3307865281	0.1731327632
0.7485766893	1.3930772968
7.1087955515	8.3716292903
0	1.5320480322
6.4869098603	5.1607509086
0.9623631844	0

gene_expression_table

6.186117494	9.559210072
15.9825045318	51.1206612569
19.8091330139	2.962298853
0	0
0.2022325174	0.4233917838
3.9798504051	5.2076070148
6.2331047398	4.2818868168
0.7361267314	0.4403276752
15.5269877803	14.7759688985
0.5018365566	0.2626598798
0.7795790786	0
1.9003184022	0
0.5707719025	0.5055607634
0	0
109.3392463835	101.8461954516
0	0
1245.6025785745	1322.2546060916
98.6044508601	71.0685437378
2.3963567647	1.9510502198
7.7677281845	0
2.1020991911	11.0023296146
0	0
0.1827159094	0.1912660134
38.7727483471	40.5871006643
3.8335284145	5.15946414
0.999365725	1.5110774882
27.2138249072	9.970549015
0.1139626347	0.2385909239
0	0
0	0
0	0
19.3490062692	17.3609432696
0	1.5323251755
4.3106590962	1.2892498109
0.748568995	0.7835979251
1.0686310916	0.7457581169
11.4776056933	8.0097965284
0.7267855969	3.043180733
0	0
0	0
22.831149356	7.3104420635
0.1503927227	0.1574302786
55.0100471916	79.731991641
0	0
0.8460042693	1.5497871143
0	0
0	0
2.5507723108	5.5456639363
4.2885318968	0.8978423414

gene_expression_table

7.8996186951	5.3159641679
5.6294836027	0
0	0
2.534278622	1.9896517385
0.5523884751	1.9274574368
0.7504317689	3.1421914664
12.7533976929	19.4840565159
2.7459313416	7.6651357138
4.799828481	14.0684156811
157.4242844481	91.7962614353
0.4237109036	2.6612295225
6.4972145556	5.7549026788
55.8263596838	42.3680775333
5.4278856877	8.3246163734
28.2079387263	30.0370177989
2.5478686512	1.7257673224
0.2052642739	0.2148695179
1.6820201701	2.2889483551
2.1895668423	2.8013658215
2.2126502765	0
0.0363145733	0
0.8595284759	0.8997497021
9.6032499596	12.3724670447
5.3829713453	10.6068045724
0.6488678403	2.3773095579
1.2683717919	2.2760993941
0.1405818321	0.2943205841
0	0
5.8234953316	4.9065390207
0	1.0399390538
0	0
53.9357743451	38.336815171
27.7621330831	27.0798001077
26.2120388029	47.0376320422
0	0
8.8244611081	0
7.2639415046	5.3674264887
0	0
52.1486431664	77.1774303069
0	0
6.5184993911	7.9009288596
0.4325901228	4.0754967461
7.9836808813	19.1023392705
114.1716104449	89.8825926883
6.4468993408	12.8836506827
3.7316259332	1.3020818646
1.556833406	4.0742117119
12.7550729061	55.6330853164
21.9707347029	18.6181124436

gene_expression_table

6.471683164	13.5490449989
38.0290136644	62.5563137113
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0	0.7534528415
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211.5563617297	159.9404740938
30.421168557	45.4924466717
0	9.9753015548
145.6094461125	190.5289636077
65.0540327608	103.0512663999
13.6497568223	47.628302335
31.9864914126	15.0097480288
168.5839757534	109.8792798031
0	0
180.1374331472	129.3030025038
0	4.90237637
68.8962690287	44.6458611042
3.986923516	22.6560869731
2.8568511337	5.9810722473
3.2511172504	6.8065034715
41.109836417	46.1073767773
6.083906971	0
42.8603328187	17.9463846828
6.7553215788	0
10.9308684678	9.5353110489
0	12.3750088682
233.4553931153	466.2767102903
10.3280546728	5.4056755394
0	5.5300757763
4.1465697341	39.0654584332
3.7000598245	9.6830059102
21.0981792578	57.0541011795
836.7619675297	319.8744351577
340.840805009	233.7591544448
34.7670497794	22.7462233359
22.2047102521	9.9616153316
3.3187863575	1.7370436933
88.0334077041	40.5472712241
11.0698096254	9.0127458568
9.1720383521	0
3.430280134	14.3631938453
17.8197678642	10.1040525222
11.5786526005	3.0301175354
338.706562143	90.6384205789
413.0343259632	338.6836221207
3.2032423546	5.3650184912
32.8826399462	72.8923075248
10.545652697	0
3.5506936534	0

gene_expression_table

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26.8265289383	21.3957056002
0	0
3.9483914397	0.8266309078
3.2329328151	6.7684327369
3.7701650114	6.5776468165
6.4069919526	30.1806184214
5.4477680409	11.8440562609
9.1188086952	22.9092456262
5.0817579206	2.7997665081
0	0
18.8706071036	14.4860086708
30.4055812802	130.2070745217
5.1933024941	1.8121068714
0	0
45.7564650052	83.8208297878
8.4054334253	2.5139319099
1.6616079746	3.4787242588
0	0
194.6135362232	203.7203840855
19.0237955114	27.1554613281
18.8597951025	19.7423302439
0	3.033644398
206.6541450251	80.1608284457
488.9065880872	354.3125118473
0.4438488789	0
0	1.8240080901
0	0
63.6809621733	7.6183865725
13.9373593458	2.9179102895
9.8251952843	39.0828503728
3.4170623747	0
0.3348172554	1.7524243479
2.5634346677	2.6833893738
3.4922343552	5.1179125212
35.7298347536	28.1868602838
33.2967322096	29.0456974635
1.1116954027	2.9092916507
15.8674034896	19.4985912782
15.8727788428	4.6154272164
4.4016422172	1.0841446991
1.0547210495	1.3248914632
0.9425268765	1.47994796
0	0.8158233237
2.6528107793	2.9312226756
2.2091768862	0.9635642783

gene_expression_table

2.2638534141	2.8437472295
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14.4993893769	1.2306390329
2.5535276266	1.0280841298
3.1478627277	0.9414758477
20.3201684623	15.9532808104
0.1603652564	0
1.0750672029	9.0029956905
1.6390168035	1.7157138153
3.2416748467	1.6966837397
0.9502149878	1.5541872597
0	0
1.4139738308	2.0721960891
4.8368385153	0
0.4637444126	0.647260149
0.8673447505	1.0317406086
139.7989778778	346.3399041114
56.5085952246	45.6322279324
4.9236573387	15.462172626
1.1617300748	5.472417065
3.5422820707	2.8355611282
42.6794875325	73.1580206821
1.5151960621	2.1147985882
37.1561693206	22.8793379948
9.9532974615	5.209528641
3.5824179659	3.7500555106
4619.0562283671	2199.4719356292
775.4862884655	211.7673392569
202.1521296323	236.5072414919
826.8341049722	483.6759664469
74.9695966292	58.8583224339
19.5878356447	20.504439097
50.7810618959	25.8603263679
0	0
2.2387452568	2.8843154169
4.964077808	4.2793630912
7.6663110033	8.526618154
1.49321502	2.1883250292
20.9194686716	17.9168606657
0	0
0	0
15.047164778	9.625788148
9.3475195566	3.6693496081
93.25998616	54.2355793636
5.5745596832	10.5037533938
2.4776579413	0
0.3313418572	0
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gene_expression_table

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1.5170661485	0.7940282687
35.8485006349	10.7217183346
11.6721658418	13.4823274931
0.1860793073	0
0	0
14.1232448599	7.3920676928
0.9380433358	0.3273128758
48.0239218763	36.8655308696
5.8882715902	4.9310483668
4.9369246039	1.7226485475
31.5038479683	18.666823896
0	0
2.6712669584	1.1984004108
53.0624972863	41.967734993
7.619016872	6.6462876189
0	0
3.1208481861	1.2035898709
78.2723707141	17.432997675
6.2777586006	10.4049119366
0	0
38.5883321013	25.9245425994
40.8192120647	37.9816246028
0	0
225.4428177234	178.7820508711
13.6728203371	23.8543891024
1.1623141103	1.2167040463
0	0
5.6263424993	4.4761146355
1.2557465605	0.4381695412
11.1691246876	17.5376678474
59.3651170513	2.9591942604
0	0
18.5278324812	9.6974167948
0	2.0218865187
0	0
115.0185016689	22.5751383276
13.2114789162	0
0	0
0	0
164.3051946429	117.2684850523
68.7202354014	60.7251662146
0	0
8.3130185801	15.953707606
0.4342499577	0

gene_expression_table

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9.0036504436	10.367469182
0	3.2711695579
7.1667786356	3.0891183783
0	0
44.0849137563	20.5101539232
8.838919537	0
8.565261536	8.9660688757
0	4.5565861056
3.970397395	4.9118612076
2.7106710782	1.2160781323
74.5358255285	71.7187490598
1.6769310613	3.5108045053
437.638995381	143.7233267491
18.1660391894	8.5244632616
40.8403923162	48.648257539
21.7090029139	11.3624326898
2.6671895524	4.6533323648
49.1276807052	0
279.5056986374	278.3125941371
0	0
0	0.6717175029
0	7.6738881808
168.4539958183	13.0619792911
1.1482129601	2.4038860788
8.8852966219	7.8882575953
44.2129953322	24.2429112197
6.1775157474	17.2442390896
3.4077089377	3.1212746745
10.9446847364	9.8201451882
3.3816130033	2.4778977827
0.1790727914	0.7498096702
1.1400170236	3.1823028746
0.1955683311	0
0	0.1724261564
0.2009310906	0.2804447539
63.9686232108	90.1411599147
0	0
9.7711066931	5.1141704917
0.1327585326	1.6676508596
31.9889945207	24.8043735586
327.7784642496	154.4025157113
7.3543859276	0
80.9203083616	32.9415861066
1.8897783363	1.9782096147
11.6952225986	7.2342015776

gene_expression_table

6.2141825476	5.2852899647
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34.6774543593	6.8675996053
54.2965088511	50.3785054122
2.1643921148	1.0384338316
5.5020307655	1.6939693171
0	0
11.9751837552	5.0142227133
257.0409795016	179.3793932529
8.2847605285	7.3031090163
0.3561084708	4.846041165
15.2363600756	5.7417617874
2.4416896612	1.7039649117
3.7558741407	2.6210856565
1.882480537	1.9705703183
14.4176047266	13.520158257
0	0
0.6472589055	0
0.7115061712	0
0	0
30.8111340379	6.4505852801
1.1042618499	1.155935258
0	0
2.0448621735	0
0.6085911532	0.2123566289
4.2443901281	4.6545759809
0	0
3.0484199797	0.6382138685
17.4204682386	23.379039441
0	0
4.2778763143	5.3736690021
1.2932764641	0.6768973606
2.5033351388	0
0	0
15.1347210153	13.2024525721
0	0.296110799
0	0
0.6455993936	1.5359316141
93.5593222596	56.9817519968
0	0
0	0
4.4584750221	4.9853190974
6.4029081061	8.5643427969
3.8621495144	3.465323112
0.2615521385	0.2737913464
0.4351451017	0.6073433464
1.0117025818	1.0590447229
0	0
0	0

gene_expression_table

1.5049233689	3.6354127895
8.2046584199	9.3693725545
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2.6721070455	0.9323823413
42.1057887581	41.1377018416
6.1198947522	3.8437633898
43.7757628885	61.0989718553
123.3897139658	85.5272995968
0.6781173491	0.8873119098
3.7085384217	0
35.626786775	33.5645327851
0	0.1107374296
0	0.8567939686
0.0844926579	0
0.4942785767	0.5782796496
0	0
1.0156788807	0.490710965
5.697336653	1.6265293123
6.0819472651	1.2733098189
21.120665137	11.791464862
0.6808321767	1.4253827892
54.9600819145	17.6118100428
0.2708810912	0
0	0
0.4960023805	0.5192125759
1.2141400316	1.7793371917
2.4703641969	3.6942338779
0	0
49.1470848047	16.1251475299
425.2282870767	235.8506837214
10.436433251	11.9179649248
0.8001612614	0.837604427
3.7031641383	0
0.4739804268	0.4961601154
6.4036456295	5.8989050392
7.0191532603	5.8780889589
0	0
24.5638403526	20.2033020974
0	0
1.3814426967	6.7484043694
0.4992255927	0
1.7097043812	2.9828486408
63.5019657625	47.1122935281
14.3475724045	21.2032379732
10.9277931616	6.7787579526
24.3153879122	17.2718244129
0.2432888619	0
0.4791066126	0.5015261787
48.6566537147	31.4589380097

gene_expression_table

7.4295047501	17.498621005
37.5464713765	15.2401096383
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2.7619030969	7.2278625968
4.1097160163	12.9060846678
5.1665001348	2.0280990192
0	0
6.6405231508	0
2.7337522212	1.5609146488
61.7515866671	45.7875328123
1.4932873531	2.1493519088
3.1268801619	4.2084013266
0	0
9.8388337843	9.4409675539
0	0
1.3896995261	1.4547298545
0	0
1.014483901	2.1239123852
0	0.6095120396
2.6279653274	3.3011276579
14.5316100188	26.0770453677
31.7362828052	39.2616156212
16.5650580065	3.8533804482
42.3879926947	32.4253405531
21.7625212985	5.6952220329
3.2422314928	2.4242501239
103.3464985461	234.9106773731
360.9583909075	240.449533625
10.8550035501	7.8365229505
182.0381869945	154.2600864431
2.1492777785	0
1.1069376974	0.8276688003
0	0
2.1821860588	2.03048926
0	0.7136821611
2.001615444	2.0952800866
3.8474196034	3.6475089272
4.0683915717	0
8.1919729056	7.5462748956
2131.4826080672	2818.533062262
14.3161772789	0.788741894
11.4646418534	1.8001686474
53.3207572881	26.6393957283
16.5468188549	7.9943627875
26.55029086	15.6333932395
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5.8157473309	1.2175784922
12.1739594346	5.9470292354
3.0687278794	2.7840172021

gene_expression_table

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5.7435097141	1.2024549039
20.8945229192	8.7489088724
10.5847362147	11.0800439114
0	3.3290208569
0.6386008631	0
0.3723341348	0.0974393334
0	0
331.117813856	142.0542272392
1.3343536679	0.821643596
31.0545172644	14.6284643831
67.0504449019	48.1289407402
12.6531342615	5.1509234237
11.1274365687	6.6560798116
1.2555934665	2.1592866006
35.24543227	16.7703297768
2.8619536459	1.8724233785
0	0
76.1623343918	58.5063829604
6.489384603	3.3965261344
0.5674238017	2.9698806431
4.3517240313	1.5184536292
16.9682095699	4.9129569204
6.1261898004	3.3458410113
2.7127156675	1.4198279534
4.0982683394	0
20.7887754301	21.2669950092
0	0
2.93229364	0.7673772315
0	0
1.9281277557	1.6819613141
23.0283733696	14.8531766065
0.3569921731	0
0	3.8228026643
536.1179850045	140.3013427789
7.0534154161	3.6917383178
1.392901971	0.8331898035
0	0
20.6947858988	17.7947620328
33.0129768253	4.6077071165
5.5726402012	5.8334092489
7.6588283572	5.0107622421
1.8571707984	1.9440762226
10.6833581726	4.5833118184
87.2926735293	34.2665597503
0.4016693555	0.3003323443

gene_expression_table

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0	0
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8.3898712661	11.7099617353
905.7605793381	465.12784124
4.1895059985	15.3494317867
5.4466115879	7.6019775821
0	0
6.9645870907	10.2924587731
1.8722343375	0.9799223264
15.3166552986	21.0965669712
11.1625215988	9.1809665261
0.8175184138	0.1222533999
7.7674618928	2.3231247364
3.3765030909	2.188026872
8.4691574349	3.6504866707
5.9630668825	4.9936846088
2.7564095306	1.2365976015
20.6091380219	2.0546221746
0	0
0	0
6.3844389677	4.6268278286
76.4578183847	38.4786661682
14.6927477733	7.6901439585
2.5287596363	2.6470917407
0	0
0	0
336.0250092982	222.5351700665
0	2.6119930836
0	0
0.5001100606	0
0	0
0	0
186.4523234139	122.6828561857
31.0277255988	107.1828557588
715.3176429756	344.8377725613
2.035731028	0
120.2717077367	133.7685004131
7.1730796341	10.8459584767
4.9522832535	5.1840229928
25.5101458121	6.675970238
5.1314786524	3.5810691702
6.9545055457	5.3386214383
54.4307006917	40.5175178249
114.2762867181	42.5329035382
12.0737964091	7.2221622682

gene_expression_table

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43.7308579302	19.0738427613
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43.0872814823	17.5402617932
0	0.1608945072
1.031209626	0.539732295
444.61707891	214.0944528751
17.1522085552	11.9698919976
0	10.8598635516
0.7997263266	0
2.8651118268	0.9997277907
435.7541404452	696.2213893376
116.0980033883	121.5307542364
0	0
0	0
0	0
0	0
8.5854244474	69.6506085815
55.6494813736	45.7706640172
19.3357965022	42.3212668874
97.5596483931	18.9120195809
794.7530285516	773.1188576044
170.4808986311	310.2743874197
14.362123695	8.5909671098
0	0
0	5.3662930442
574.5119788528	164.2989054802
60.3657652828	37.9143315342
2.3647080176	6.1884085113
11.9111921849	21.536622218
0	0
0	0
69.5816605025	72.8377012101
447.2279564027	453.5259079076
2.25200886	4.7147810869
0	0
5.480549161	0
1.2919343556	4.0571694278
6.5038023117	5.4465157179
22.4778634338	21.2887801369
0	0
58.5495146421	40.8595408877
1.6219745112	1.6978740369
667.807655103	379.1042035895
6.1653568276	12.9077235357
0	0
116.9675942152	48.2343479691
0	0

gene_expression_table

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226.2817133516	422.2473390653
1.6903296958	1.7694278699
1.8568221285	1.9437112369
0	0.1455558174
4.7158646998	2.4682706727
106.8403362545	47.6791062988
16.9796810111	0
29.484430424	39.9418286517
0	0
39.115556912	40.9459507929
1.811716296	4.7412367459
0	0
1.074068335	1.1243288519
0	0
8.124528952	13.8201576824
21.1335357434	17.6979755973
47.3356585912	128.831841373
169.1124521664	274.3902828407
233.1920115091	420.8691737467
0	0
19.0517277303	2.3931893121
302.557237246	241.8552888861
0	4.2716558599
0	0
1383.4944555894	2905.335582547
5.2641080982	4.5920329441
0.1029749733	0.5389681908
0	0
0	0.2519277758
6.1531393388	2.7325762407
0.1455015232	0
1.0938939586	0.9368854413
0	0.5069767073
0	0
0	0
2.0234081752	1.1178822047
0	0
1.5825766323	1.3253060424
34.5521851536	7.6145343629
4.6409238432	3.6435702503
0	5.2815298162
0	0
0.0435362047	0
1.2114423129	1.2681311797
2.8943807761	2.6166644095
0	0.0838130693
11.0124791177	8.3256353845

gene_expression_table

0.6971981938	1.3380092947
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0.2984722659	0
3.8313144506	2.1595533012
26.7051133153	32.747012058
0	0.35209467
8.3953114628	19.041026484
19.6813710102	15.8196626863
1.0404801427	2.1783378321
0.7213970405	1.7620271011
60.5149592855	20.0855479095
3339.5682815906	3088.1381577242
5.2785589277	2.3680999637
0.3224751763	14.5153056976
0	0
1.495312077	1.0956991461
2.2625859299	1.6917589731
39.3772790081	34.8783938885
7.4916301882	12.8836101122
18.2000693547	5.373565702
4.0187972007	4.5892962591
12.9592116871	22.9572231039
0.9393718394	1.1799951574
1.741853837	0.520960874
4.4134337803	3.9599642699
0.6274691839	0.5254650447
1.1005572812	0
8.0547774903	8.4316969718
0	2.909991264
6.4353344291	1.6841182107
0	0
15.9376412196	7.0583765831
15.1072504331	6.1499616234
17.2146450918	15.6175033915
6.1571472978	3.2226340385
3.5858599411	4.1290244067
12.6665584036	3.9777851938
2.2664213635	0.9489909893
1.7822875031	0
16.2988326187	16.350631708
2.9717336894	2.2219961099
0	0
4.4048536765	5.9283986261
2.4137303016	2.526679663
1.9423722819	2.7110195587
1.7329544568	0
0	0
1.1338140446	1.582493778
0	0

gene_expression_table

4.2837643389	0
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0	0
0.8819051385	0.461586735
0.3657698472	0.1640939457
0	0
0	0
171.192316395	125.7096930227
1.4774230707	0
2.3590551094	2.222501374
44.7234673151	41.7275545334
0	0
18.5202602103	16.6173488382
0	0
3372.1131715967	3224.8556872041
27.3155705394	14.7301340727
0.3808059312	0.2989691727
35.1579029432	30.3625577385
0	1.1241796377
0.8421796818	0.6611918096
0	0
52.0172018499	36.8863794662
0	9.4578574406
1.4087797417	2.9494058392
45.7677350704	34.0002296198
18.5627448314	8.3277341343
0	0
5.3996368913	2.8261551657
51.880744352	31.4417510623
43.7833071971	54.0819089542
0	17.6060141757
10.5512183763	10.2560320773
2.5977627082	0
10.5364984846	4.9632970138
19.9123578512	6.1306315193
5.9960215646	3.3475213556
1.8247899056	3.8203601625
355.124553267	259.4452430667
9.0338050083	0
3.1205209215	1.0888480712
11.6331668145	4.871014129
0.8168900187	0.5130695991
21.1867932218	13.8613869584
8.8004685548	11.9759669835
27.5291164337	12.807701486
2.4499563527	0.7327431128
0	0
0.1514227327	0.6340339499

gene_expression_table

92.967324111	259.5138288643
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15.6294281804	11.4967782647
3.9208498274	2.2100206855
5.0861287468	0
28.6105981243	26.6217044047
10.0372498588	12.6083258302
3.2377188958	2.0335358469
0	0
1.0636842132	1.1691317505
2.5091568484	2.8653508906
0	0
17.6584533423	11.5763220261
6.3575360605	5.6567788461
5.3045105448	2.7763662964
5.0001854158	2.0131410439
1.976890559	2.5867477655
22.8441779027	13.0435420048
15.5267620777	8.6684424128
0	2.8819724994
0.4579028664	0.3594976599
1.558557557	4.8944685499
15.1536157981	47.5881661251
1.3248068821	1.5023673058
169.6032259091	81.9414130135
7.5280541154	2.6267752757
15.6694956538	11.9052161491
0	0
1.77344032	2.970284186
0	0
3.3558426129	3.0546762363
0	0.2896409215
1.4980387534	0.7840693822
85.7433730984	30.4528245667
29.1552182892	16.5677409821
27.0817631732	34.0188496798
0	0
0	0
0.0141503704	0
1083.4166869381	26.37475943
0	8.3578624275
0	0
0	17.4893879634
0	0.6349488275
78.1366888223	92.0171902625
6.7734633115	1.7726060764
3.2587943839	7.1326933356
0	2.5313358612
0	0

gene_expression_table

5.9671343088	1.2492727041
0	0
0	0
8.2256984357	8.6106160816
7.9842435483	0
2.4435226924	2.5578661745
7.0662472736	3.6984544769
0	4.4083755245
4.1759632753	2.79282323
0	8.100113383
29.5517162959	22.4163585537
0	1.2147846795
102.0271815434	179.2739379952
5.8885393947	27.1219994973
0	0
0	0
8.4955704317	17.7862332184
0	0
0	9.0113761386
0	0
1.47476414	0
65.073095655	45.41210681
1.6264162673	6.810094572
60.6011119889	26.1210814942
10.4387755721	6.4056311334
8.9771808699	1.8794527558
3.4207510027	0.5115462027
6.2939765941	2.823642958
1.005749084	0.5790469487
2.4437491029	0.6976645036
5.1911508512	4.0755512146
2.6198135061	3.5994084434
9.1175108751	4.0185938779
0	0
0	0.8427293011
3.3069190176	7.7887456204
0	0
9.884905587	10.3474650423
6.0255637486	5.0460217106
1.0429330774	0.7278244231
0	0.2195845492
200.2977929743	26.2088291159
2.4430616156	3.8360752828
12.7149012477	9.8072866345
114.9737041593	72.8457476599
0	0
25.2897916574	11.7658735241
9.443653784	7.9084520569
5.8456698259	2.0397383883

gene_expression_table

0	2.6882556554
2067.9875214836	1574.7820352988
36.7876267016	27.7395959883
0.5187531788	0
0.1831874503	0.1917596199
0	0
0	0
1161.4658433006	1688.4217105204
0.3236467111	1.3551664202
13.0858212981	5.4071708217
4.577156259	2.0762482473
0	0
23.8685372352	26.8593631385
0	0
7.6389458598	1.9991016745
78.4111515132	65.6642912424
0	0
0	0
1.0947751926	5.7300233852
40.6754950369	15.0278419343
0	0
0	0
135.5496353641	114.3023851744
0	0
30.0548134601	73.4094997086
26.0579998513	10.697008455
71.5503669279	50.666654214
17.7429023816	15.9198626223
0	0
5.9910459201	5.2261617203
23.0110099393	10.9489996384
1.669389317	1.747507596
177.0733217291	191.1158861931
2.2623976616	1.1841327421
0	0
1.3813640895	0
39.3909706906	27.7700067374
0	0
0	0
118.551395158	67.6903370766
5.6511883858	0
0	0
36.4388651355	0
15.588577993	0
1313.6413695068	1625.6886650021
2.5093902801	11.5579904206
33.3817135563	31.7670863314
0	0
13.0108579769	12.1063954555

gene_expression_table

0	0
9.568441334	8.0129535961
30.5230075389	20.5020951769
0.4506463306	0
64.7597957059	53.9240223644
0.7200757123	1.5075426256
22.0709990572	18.9031098766
0	0
23.4466666749	40.9064038164
0	0
29.6026935375	60.2856238664
0	0
0	12.1617998137
17.8304021362	12.4431782156
1.2564614931	2.4113045203
5.9702649937	16.665708545
1.506855786	3.6054134533
0	0
24.7026889445	41.7716484621
4.9812439742	15.6430167503
96.1505565133	88.5718909439
7.9023738634	19.3017106093
0	3.0679802862
3.786378065	7.3608968191
52.1269997922	43.0786247005
0	0
5.3254562923	7.432877982
6.6710889004	0
0	0
0.3610740635	2.2678221151
42.002430942	21.98395736
0	0
219.0983078383	122.3204847693
21.2931699117	23.6007250623
13.6911343016	0
85.3477214097	12.7630753484
0	0
0	0
0	0
28.9559537542	24.2487470701
0	0
1.3008650167	4.0852151291
12.2764633788	10.2807477148
1160.8519186725	1241.3463982922
0	2.1902245818
330.371251285	590.0738312541
5.9801432481	4.5906528851
4.7116315308	4.1100917394
5.9101868554	14.4357528891

gene_expression_table

30.0818990192	31.4895671757
1.3282390618	1.1123147015
4.3528944788	2.7339516633
17.591371383	43.4057279222
0	0
0	0.5229791671
0.4525238137	0.2368497252
14.8557133074	18.14269257
10.3036318059	4.1088706116
20.0688098682	9.003394406
1.035360281	0.3612698243
3.932752156	0.8233566845
0	0
30.4976036539	42.5662993481
102.9822818112	64.2661528826
41.9503678287	51.0621108582
0	0
114.1460697438	80.7347843145
82.7261599009	109.8307107977
12.1536180774	4.7708778205
3.1374304887	2.0331040824
12.7133241731	35.4886350156
0.7821032075	0
22.2578309546	15.0760665436
1.832766542	2.3022359767
0	2.228152627
0	0
7.8309975834	0
14.1047579381	7.5540752162
0	4.2695028076
0	0
10.5383280554	2.9417237612
0	0
0	1.3139478916
4.7106445384	1.344839157
14.9205614043	10.2941840313
2.3237381553	0
0	4.3882025058
43.9692375633	31.8646780073
0	1.7169744746
9.4847011168	5.9571199166
0	0
0.3000048506	0.6280868699
8.296327911	3.0395927203
1.7180836539	0.5994935204
0.5257003791	0.5503002783
1.3290085209	2.908870307
2.4840086676	3.1202960061
1.5949427867	1.2985601812

gene_expression_table

3.1375548635	1.9319854418
2.1460003543	3.3696321303
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60.934259396	47.1282502771
0	0
4.6298379884	5.815786866
0	0
4.7443365782	4.0203749705
0.2749118681	0
0.6895520175	0.8661831315
10.1627267371	11.9891802504
135.0227919764	61.147576437
0.8991644909	1.8824809312
0	0
3.358618222	1.1719277214
31.3113647832	26.6309592294
0	0
13.2910443518	41.7389773515
1.7863202729	1.4024327103
33.2577686562	23.9346594588
22.1491876233	39.0495129653
25.7045299591	23.0634524678
10.7996598385	8.0750177028
14.5877455197	7.6351860664
0	0.057069762
0	0
0	0
0	0
0	0
9.4483400504	15.3302294751
770.9193343589	466.6292634305
12.5142560776	11.4623728962
34.0208796258	12.6368250184
0	0
0	0
0	0
0	0
1.245023592	1.3032838788
0	0
43.5150427123	35.8398619696
157.9950761896	84.2544580576
4.8993123125	11.1119088207
49.1780879546	23.3997059952
0.6012803415	4.7206272683
8.3962966332	8.7891973406
0	0
0	0
10.8073867595	2.8282783206
0.93771723	0.4907986309

gene_expression_table

8.7570826099	3.0556220418
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6.5511150007	5.878003981
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1.6055616738	0
8.5437833825	14.533326701
136.5103608725	50.8082838329
45.0645785065	41.0203078464
41.6476067788	32.1783592523
3.9888420159	2.7836653205
33.8060054428	44.8247257583
0	0
3.6933048088	0
0.2846199865	0
9.8951464029	4.6036378099
57.3588700676	48.3272533328
0	5.8865139474
2.3456344268	1.2810768387
4.4439732199	4.651926833
345.270100148	117.1658470628
1210.5985910201	1039.0359466549
0.1947704581	2.6505004372
10.386049525	6.7950373578
0	0
21.1534240502	29.2291407768
0.5793086026	0.5197860627
0	0
1.101668539	0
0	0
4.2641609132	2.1143843502
0.0398541715	0
42.7697190072	44.7711076653
0.3846205065	0
1.8252529588	4.7766620071
13.0017327895	11.6658365926
32.5777541102	17.0511073093
0	2.9553742133
13.4277850039	6.559528181
0.6038279792	0.3160419111
74.045675544	24.3170533999
0.3440452732	0.180072354
36.8083758408	13.1815916224
453.1940107371	100.1513241041
11.8321842903	9.9086925811
0	1.3606446985
2.2842712311	3.5867439253
1.0756030753	0
0	0

gene_expression_table

0	0
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1.2187527616	2.2964106914
0	0
19.8209167377	55.7243470926
0	0.1251404364
20.5180066651	6.4839658952
0.2113270788	0
1.1655452254	0.8540604519
13.8741873524	15.640609762
23.0699752412	36.7205087306
101.9030786466	84.0442788884
0	1.5261411016
0	3.3861973355
2.6451954727	7.5157923711
49.6405059836	47.1398021848
40.8807542486	6.5836537999
1.3376061551	1.5274895988
10.1506867905	8.6017436649
4.23068481	3.5429261548
2.6113855058	1.3667920242
1.2923470153	4.9603465236
1.3858477211	3.2467998516
1.5657954404	3.2781321866
1.5581824168	1.2233226164
1.2242474562	1.7941497471
1.4485865547	1.3742125541
0	0
1786.5522625292	2090.171140717
0.7000972957	0.5496435117
0.5166500135	1.0816528103
1.836429728	2.1969880956
0	0
1.8525004776	0
3.2836988632	2.5780184923
10.5121471263	29.4294575786
0.0701848359	0.2204073056
0	0
29.1604714817	44.4351584254
53.9900642925	31.649242056
0.6552074845	1.8289802856
84.9557043167	57.1700353449
1.2405065284	3.0299626966
14.7752941985	10.1128403873
4.6278826655	3.7264940259
35.3578237774	26.7311606781
133.17330956	69.7025456194
50.4315000329	172.3484531758
0	0

gene_expression_table

24.4595390514	11.3796051322
1.7942418705	0.9391012827
0.1765315743	2.5870919955
1.5361389443	1.3156542291
1.3710949209	3.229322975
0.6476733501	1.3559618329
0	4.3930575512
283.7046667658	69.4240110483
1.5553621546	4.3417188981
1.4836997208	1.1295481771
1.877132829	1.8138206464
11.9215843442	13.5491162887
0	0
0	0
0	0
0	0
1.7516016438	2.4125881705
18.6010739477	11.2108649927
1.5173363903	1.2177268925
46.0192836451	21.8383061411
4.991873588	5.3321081003
44.4094205042	159.385845305
235.7600030433	112.8623232849
10.3344498769	6.8842108004
0.6711479502	0.2634577498
2.0030605643	0
12.9290076834	11.3193575387
0.4465307823	1.8697039113
0	0.2551644296
0	0
0	0
0	0.1217420999
2.2097051541	3.1094228685
2.3336786838	0
0	8.7586336516
9.047874108	12.1773408086
4.837706006	10.128168315
0	0
0	1.1938541377
0	0
1068.5380477631	1344.4249393464
0.3339398661	0
0	0
6.3723050191	5.8366822514
7.0064664418	7.3343307064
3.1422311761	0
6.8501065235	4.3023924
0	0
0	0

gene_expression_table

2.9727084246	6.0013573098
15.5350421343	15.3585527618
77.2192445689	10.6143926371
8.2333703607	2.8728823369
4.346361802	3.7468510761
0	4.5001825268
12.289747829	30.5539967414
9.7982650886	5.5946019508
65.8806883614	37.4373523692
5.191081473	8.1509934922
33.8828877376	52.1594431667
1.7158674377	2.6942409575
3.1867798902	3.3359037394
195.2126910504	9.7308369561
81.5821225188	76.6854620837
151.5202840868	137.5364675545
5.8734634905	5.0304349807
9.2029595212	8.2573779726
164.9681376665	75.5508876516
31.9527377538	60.2063116545
3.8129489156	12.9719656513
47.4622161466	29.7712488263
4.0941903917	4.2857760837
0	2.2110920309
67.0065875376	22.6930417129
0.6456836893	0.6758981504
1.2352359695	2.5860764983
1.2030374403	0.8395553368
0	0
0	10.6784665241
10.2763475586	4.5511333809
0	1.8569973847
44.5657763247	62.9791343515
2172.0471119338	1369.0498460238
5.1271549102	2.8899649076
10.1769095293	14.5269997775
31.629003474	64.4755527875
0	0
27.2491717874	12.2246930659
90.2177485605	23.6098612984
0	2.3645468635
7.6806873577	5.3600676462
9.0879148371	7.9276495744
9.5312495126	6.6515065334
11.987483462	12.0464947669
0	0
44.6703330729	51.4367260685
0.6967179677	0
0.1652851594	0

gene_expression_table

116.8524308471	55.6002203497
0	0
5.2251196507	6.2510018737
36.4505893521	13.8750099431
3.812499805	3.99090392
0	0
3.1787472186	3.8820777132
0	0
0	0
0.7822922309	0
0	3.6280944728
24.3317078407	13.3415849475
12.1259203339	25.3866940168
1009.9791275764	301.3391140465
1.2034370155	1.2597512783
0	0.206846967
0.6299310158	0.6594083381
3.6180020802	2.7052176905
0.725460733	0.5062722153
22.3972150258	28.6553447277
29.5912778328	18.5855925626
0	0
221.4971944205	108.2022901312
23.4194342555	23.2250547243
0.7160772387	0.7495857325
35.3672676406	28.136919202
0	0
1.7575324348	1.1038651975
0.315819435	0.2203987035
0.4483285164	0.6257437815
2.72163674	1.2662197497
5.3638451147	7.4864582608
0	0
10.7285791663	5.6153089627
8.2140684242	4.9133953424
0	0
29.8205927103	23.7836443142
0	12.365976015
85.3289719103	100.1487976035
1.4068611462	1.7999599987
0	0
14.9876912583	42.4526779139
106.8121029335	63.6894253404
0	0
0.4871342646	0
2.1114694826	1.5963095003
4.932017053	2.9501762543
0.5758783085	0.5626378427
0	5.7060919975

gene_expression_table

17.5637953757	2.0428538696
0	0.6176525949
0	0
2.9075776277	1.5218181699
19.4519972023	10.9642853166
1481.6394488747	409.0475768342
44.4379940433	27.4419482355
0	1.7460847349
1.8548004896	5.824784989
6.847787794	4.3009360601
6421.0935295234	5323.4331139155
0	0
5.1710397547	14.8857942764
3.8308334696	1.2663459473
4.1909525263	8.7741323128
2.4975403815	0
151.5361579806	137.4769243615
26.932289567	9.3975244158
41.4823990136	24.8134560828
17.7944603324	19.558500822
155.7282816678	93.7339197096
29.4892366197	15.4345857106
0	0
39.9643008188	23.2413395929
31.1431590872	86.9346357437
440.8541726742	761.3997875399
210.6385467114	78.0920773832
150.9707245553	27.0917704806
265.7481391186	154.7396813946
40.02526429	12.8917623061
62.2065150762	70.5438926416
137.1094920879	62.7923911807
2.1325684112	0
0	0
1.1733249158	0.4094100324
118.6627038415	88.1529132195
4.1233278146	4.3162769785
25.3967229067	26.5851504756
383.0020098569	261.0670555506
20.8934439354	48.1165139546
37.8006111799	31.0903000577
95.6793583144	36.2268655836
127.2612282157	77.2145762692
4.792695609	1.9763811444
125.4578424211	58.0289085398
12.2314285065	19.2056885786
10.7179216373	11.2194616825
5.4995452196	5.7568938224
9.335676284	9.7725348153

gene_expression_table

19.6265603594	22.5994735079
21.0091670346	13.0906434603
5.7194233734	3.3926679396
21.4364742231	37.8979638159
4.2736863452	2.8468818414
12.8762866912	10.4835316464
0	0
0.0846716875	0.4431692941
0	0
4.130958247	5.8686446424
17.8238564673	14.2678176229
17.5732251179	5.2120741515
1.8078710537	8.2007012521
0	0
0.9109057057	1.5892185081
29.6921209445	27.1963559188
117.0839891996	46.8936231872
8.40829748	7.2014398047
1.0701974986	0.1867128136
1.9051839869	0.9971680827
4.3037947937	6.7577832361
3.5812408901	4.4304276004
3.3785673682	1.0104759489
2.0162448876	1.0552970541
96.1136600001	38.696635771
51.0380376755	41.9030104886
0.6962983123	1.8222031515
0.0168711212	0
10.0709780164	6.3253467855
1.0187796391	0.4265811791
0	0
0	0
4.3245430168	4.5269079503
0	0.1331849117
32.147682096	12.2856572151
2.1689655334	3.6327379902
1.4353086297	0.7512366072
14.7417024677	19.4924632712
5.1990151976	1.4842638112
5.5487254255	4.1644955645
0	0
43.5659874819	36.0423745175
0	0
9.02658307	6.9292503364
0.1645306936	0.1722298291
21.155636173	83.0460153948
6.3900429077	4.0134371557
31.4132902109	14.386426331
0	0

gene_expression_table

78.8825101819	34.4057415527
3.0115485062	1.7513736034
1.9945029379	0
0.5354123366	0.320266687
4.5893730303	2.7813387443
2.7601030992	1.6510061777
3.4373575977	0.6853727832
13.458848727	4.2692876217
0.3630151332	0.7600045073
0.5951882637	0.0778799769
6.9090482426	2.1429196649
23.4799101023	20.1097974499
0.2641648849	0.8295790651
0	0
3.4941408318	3.6576474901
1.8053753521	2.5985534204
174.6319575299	111.1899261686
1.200843026	2.5140718085
3.3570442527	2.0824506914
0	0
0	0
2.016418342	0.9046181482
0	0
0.5141592341	0.6727738386
1.3707243418	1.4348667354
3.2028619973	7.2642665356
4.5688648944	10.7609911966
1.6096736875	0.6318741008
0	0
0	0
2.0345935892	3.7863136506
0.48036547	0.9338530382
1.2038577508	1.8902875524
5.1813176834	2.71188749
0.5439197994	0
0.489847201	1.0255387355
0.1598488994	0.0836644763
0	0
0	0
13.6574360104	0
0.8514491524	0.2970974368
2.4538543384	1.1675824023
5.7062196442	4.2665996274
0	0
0	0
0.5830588499	1.8310284343
3.6514324942	3.822299541
0	0.8642682961
31.6816867974	30.4005315736

gene_expression_table

0	0
5.4556081821	0.5710900772
4.5791455305	1.2955201264
19.4315613655	7.627819514
3.7457806908	0.8713472703
25.8531336619	11.9395229801
4.6908231905	16.241854255
0.0335403589	0.1053295921
9.3826086569	11.4586072607
0.2848224937	0.3407435736
1.5148651352	1.9821906609
0.033209656	0.1390547443
0	0
2.8146194213	2.539938102
0	0
6.7439665947	5.7239572734
222.3395232236	211.6619299292
20.9026711042	12.7049816069
1.3856217185	2.7196148021
0.3817085703	1.1987113239
0	0
1.5223070734	1.1589401519
0.2593682758	0.724014109
5.63002215	10.2153590216
35.6176671005	16.6589778026
70.7750584351	45.5919653116
0.0419543587	0.0439175929
0	0.0522621009
0.5244519159	0
0.6948666386	2.1013274893
29.1987335404	5.5572862524
0	0
796.3271471572	1418.3486908366
0	0
6.9258279591	15.6152096891
0	0
0	0.4307497366
13.04026993	7.9627818427
40.5954724222	36.8291024795
21.9765813694	6.1936444343
0	0
6.635250212	3.5926259947
5.6351189667	0.8426873826
5.6081920805	5.8706247615
6.9963953278	12.4504401431
0	0.0283364285
4.8648597692	2.0832989597
0.6250120365	0.3271295887
0	0

gene_expression_table

6.0383282916	2.1069629973
1.4574081146	0.2860512814
0	0
0.3521140519	0.2866819367
14.362081352	5.2444702736
0.4703885939	0.3133455846
0	0
2.6066421205	0.9095395662
5.021667464	7.2784440063
48.6510073757	41.3786816021
2.491452727	0
0.3084578122	0.1076306496
0.2718647234	0.2845865038
0	0
3.0825218412	1.2907067939
0	0
33.2531692335	3.5701779971
10.8051534024	22.0829424799
14.8921662501	11.6917785649
0	0
0.3397752547	1.7783743805
0.9450231626	0.8479243474
0.2576669586	0.2697243614
2.6405713285	2.1498832506
0.6107077856	0.1278571132
0.7415075626	1.3799218779
6.1399394275	5.570287643
15.0526826235	10.6741413127
0	0
2.2920353593	0
64.9922160324	21.9800525115
0.5750652621	0
0	0
0.3252946951	1.3620668227
5.8596858501	4.9071096499
0.1621227102	0
0	0
0.3177738182	0
0.6411973543	0.5034014097
2.74312772	1.6408520439
0	0
0	0
34.0423899791	14.578113038
0.4179228321	3.9373139901
10.1187586771	4.361519308
0	0
0.4496168333	0.1810217074
15.9101793001	4.7584824494
2.8609634756	0.8556688288

gene_expression_table

0	0
1.1763895556	1.6008695889
6.3022047011	0
1.4198173997	1.4862570796
18.391454159	20.0177809778
3.2698376952	10.2685445846
0.2617789004	0.602863183
0	0
1.9389075922	1.1416712911
1.7330008483	3.8549535723
0	0
1.0900245517	0.1630045332
44.6946429646	22.3610072724
2.5931840526	19.0017160686
36.0417296408	31.6251802719
17.8642981604	13.505735747
6.2015819411	1.6229455046
0.717036947	0.5629427624
0	0
0	4.5738086233
1.2379129807	2.5916810597
0	0
0	0.6288095591
0	0
6.6557253135	0
95.2095440266	70.2555354464
95.3795891305	76.2688297234
0	0
6.91964523	6.208668632
46.1288811284	31.1185854494
20.7961957526	7.2564479471
0	0
0.8219849496	2.581348033
137.6122008828	106.6209421004
0	0
19.2989049276	133.3331208295
0	103.3727685736
33.88364644	486.8955953983
99.3141089583	246.9084804427
3.8429780764	0.6704680679
14.5165894328	5.0652954436
13.5399105661	14.8484330143
74.0018349265	89.1575028534
43.0610410609	45.0760619959
99.7541782043	41.1805573344
55.6588020621	68.8566618187
4.4479164392	10.6424104534
106.3720334481	59.5411387933
295.624453057	399.7967466796

gene_expression_table

627.245406993	490.9689709028
4.6136109794	4.8295027107
0	0
19.3033381258	8.9807238453
6.3305541452	23.193762954
242.0243293	60.5836341177
42.7826403725	27.1906704484
315.2170713455	229.1441001878
256.4069921233	100.0833826778
8.9700618947	10.1121048803
24.2377161246	22.5528075754
60.5344440989	22.3648675123
150.2201392822	98.8081898734
3936.0487384892	5755.6259029512
14.3980976438	5.6519436655
17.8350805583	5.3341899057
3.4262859474	14.3464694744
4.7881839267	2.5061223581
0	0
1.421774723	1.488305995
25.3820235339	10.1218145724
76.4395430425	21.0569723952
606.1737385072	223.7157965739
43.7295955212	30.9085144478
0	15.1427633593
2.4205171356	2.027027267
57.9710277508	6.0683754421
98.3718535314	33.6649423015
2.0039699941	0
2.3523345454	1.6416072811
20.1344385075	15.1751663862
5.3472747216	11.1949957976
19.9745207223	8.6096783784
10.8033552609	3.9913740465
23.6005274113	80.2909343154
5.753423856	12.0453051776
2.3586425429	0.9876056395
183.9912518484	77.5406764147
1.3642469588	7.1404312318
0	5.7234416015
0	0
2862.4320919323	1663.2438536687
0	0
14.966493414	8.2942111878
328.4714419753	148.0431293466
11.589671784	20.4328504635
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2583.2388016007	1691.9222220609
24.1603475875	14.7040230008

gene_expression_table

280.4731999419	309.467961818
34.3902712969	57.599276296
1.2674825097	2.5651345851
4.741887393	0
19.2845961937	22.4300107779
17.5158297609	12.4208054307
46.576976211	22.8734308524
1.9195898081	5.0235402504
2.5486711295	0.8893116609
0	1.514923289
0	1.908996241
0	0
0.910495734	1.9062038977
1.2947767249	0.6776825929
79.3491943142	61.4661035694
0.5468881719	1.7174386315
14.0030816979	36.035108562
416.0166323293	116.8371526934
50.534645502	17.1565589845
0.2235336759	0.233993828
7.2319458478	6.7978754656
7.9126768281	91.1124145434
11.1945090619	13.3924009016
2.1125949381	2.7643160168
117.2576015176	35.9466373111
129.030104449	192.9542954504
0	0
90.8961621585	105.8539353769
6.998296992	2.093079706
2.0715746253	2.1685129745
0	0
10.3696504994	6.2027962071
221.3374427527	41.4975802585
0	0
0	0
0	0
19.1587818708	13.3702053039
2499.5154772413	4633.3109175842
5.0910886383	2.1317294839
27.381882535	20.7808234107
43.0122120987	55.5307693303
0	0
40.0029772974	37.8868121081
0	0
0	0
8.1012367871	4.6256347141
0	0
0	0
0	3.4259630213

gene_expression_table

3.9091936407	12.2763674932
18.1155856737	7.1639117802
21.2441239386	8.6691415274
49.4205751227	101.002889743
10.2413712498	10.1563686438
0	0.9356780703
1.2777563297	1.3375483294
311.0104378311	241.1585358085
0.8321496091	0.4355448271
24.1793750085	17.9285097976
177.4595766232	130.4298411163
2.3301746618	2.0907549229
50.5225650541	30.8506009323
6.1384645069	4.2838073559
89.0714452494	135.2548319358
0	0
8.4926942335	2.8677760712
1.8421681976	3.3057798553
0.1196152406	0
9.9081496255	5.1858983873
7.1226395882	4.846361078
0	0
423.6665359247	170.5737730623
4.1716875041	10.9172490917
18415.5527628928	21890.1505483422
33.3645354019	16.5749620859
0.277361811	0
0	0
15.9109241412	5.5518227562
1.411113582	0.7385729855
0	1.8559801863
0	0
185.4979591898	114.3789679767
0	0
25.2088188042	13.194226745
3.6444140099	3.2699593973
1.6529810202	3.0280800915
0.2816039685	0.5895629845
6.7464608512	4.8704539847
0	0
254.063493313	179.5746121164
252.6964916899	180.3554344274
0	0
20.0648372542	18.5327309735
837.678627727	431.2037382886
4.7455952514	4.967663124
14.0783436941	14.7371330911
0	0
13.2974145887	8.1198021215

gene_expression_table

3.2827711303	6.8727736878
28.9396285295	149.6872325451
12.8764289785	6.739487674
0	0
37.7887028281	30.7665611581
0	1.430256407
5.2703079563	4.4135436083
15.4772665021	8.0007495439
0.6118159596	0.6404455965
0	0
13.9902202581	7.3224429804
0.7107975986	3.5342804121
0	0
5.1803148455	7.1421258927
0	0
0	0
0	0
1.7581179395	2.4538509763
0	3.3784798366
457.375655957	331.4619223151
0	0
3.0042809861	3.1448648859
425.5852594621	346.5002483092
792.593585681	317.2315921169
895.5920514067	472.8986616118
2.3121739656	1.2101855233
0	0
0	0
0	0
2.3318629578	1.4645888255
0	1.2531538679
30.239278162	22.1580175605
0	0
82.4875722341	40.2955181732
0	20.2769445129
17.9759833844	10.8941458287
40.5693131378	31.3109570503
0	0
0.9142676776	0.9570503987
38.9664406236	21.7545902286
54.6758840281	50.5009553077
29463.2917624354	71505.1189678008
3.1305308134	0
0	0
41.2800212699	42.0113752245
1.8855217482	1.3158358944
108.9982601854	24.3410734778
35.9645814941	26.8910906993
13.5355966036	4.7229961362

gene_expression_table

13.996593984	35.2833436158
1.4240891964	0.7453643865
2.8102208148	1.4708618806
0	0
0	0
3.2248802774	1.6878935081
0	0
0	0.8644446954
7.6890544809	4.3902873426
0	0
0	0
3.4273743482	0.8969391752
0	6.0835202315
0.5994540956	0
1.3246803726	0.4622227202
9.4634411884	6.6041856118
1631.3996154974	778.3063672955
88.2787317623	46.7897179881
0	0
0	0
2.2685816754	7.1242166276
35.0649356698	3.3368893324
92.0261971546	21.8937543817
184.5840027801	117.3130677757
50.8109134586	15.0792382951
6.5788868587	8.6084284251
71.9558132893	48.1229966942
4.1037240374	4.2957558518
40.0100412171	73.2940111149
0	0
0	0
30.6674725918	14.5920647205
2.7860323072	4.8606722731
146.9092906384	128.6192124881
6.4639287758	5.0748039363
280.3783542847	248.6584734296
0.3061741931	1.9230088129
75.0173783989	40.2454877318
0	7.1107606046
50.0009629175	31.404440517
147.8289985955	174.9309236117
0	0
2.6899781956	4.4249141291
52.1669746507	44.3968320463
0	0
6.3964128586	4.6126139697
64.8736261329	31.9573442878
0.9743565125	17.8491435858
0	0.328946199

gene_expression_table

312.8728970045	334.9571271198
249.1522211937	79.3773159196
15.3280839824	8.189816299
22.9282395682	21.7153312872
23.1112838047	24.1927653378
1.4579797909	4.069880698
0.5120809275	1.8761522882
0	7.6861565872
24.7954187796	17.3038057385
59.7197847687	151.8205489664
3.7584908668	3.9343676592
6.2771498778	11.4990507111
64.8804254124	7.5462748956
2.2673104052	4.7468162344
0	0
0	0
4.1201786335	10.7824510823
0	0
0.7193875482	0
18.0928582139	17.4826199154
67.9343886794	24.6161582604
0.7372309155	1.5434585711
0	0
0	0
4.5424694781	0.7925053628
0	0
0.3501149091	0.7329967395
5.6662473761	3.2952204039
0	1.1039611065
0	0
0	0
0.5948054567	2.4905563807
0	0
10.0602461332	1.5044300809
0	0
0	0
1.8550485239	0
0	1.4645044209
8.4757512091	8.0657908687
55.8897048378	101.1301353728
0	5.6289911864
443.3239754678	905.2212269891
22.9887239664	29.4121304523
12.160847844	10.6082574456
45.6752939992	36.2010046546
297.79308769	103.9093911957
32.8701400287	15.6401284532
5.2263972332	14.2245064152
169.3266364395	74.6316614121

gene_expression_table

85.831794373	103.1591045683
37.686042704	49.677202482
0	0
1.9725594998	5.3686476569
138.4787403431	123.4834112605
5.8174197241	12.1792862261
26.0634432515	13.9913177855
0	0.7899555694
172.2472195724	211.8612493851
1370.8787598862	1900.9093362592
47.5393893312	54.0912743951
527.4573181364	311.6034420817
0	0
2.820478386	2.4603844422
317.1809812384	217.2498229976
30.6588902152	5.3489264
7.3261184525	4.1830585532
115.2893422914	104.5930185977
768.9342519388	850.6933871521
0	0
1.0262888279	1.6114702883
29.7531518846	29.4151344489
175.6293924265	109.5264003545
1.3182423778	2.7598578057
0	0
0.6806317467	1.424963171
7.8506241437	4.7938277138
0.7288148101	1.5258387049
0	0
1.0558265743	2.2104669532
0	0
28.2724401263	11.998149533
7.879290006	0
0	0
16.151758156	0
17.3888613517	37.7053128991
57.6651730147	58.3844533465
7.1918098665	4.922380854
51.0482693602	48.5232972266
110.0748573973	30.4067972483
0	3.0791325228
22.8799740895	14.738850212
39.7669200343	40.5027186253
7.1983738895	5.3189776742
272.4317048174	112.942580937
0	0
0	0
4.4178512299	2.3122912385
2.4711185889	0.7390724022

gene_expression_table

0	0
0	0
20.9289546843	14.0839168913
0	0
5.281142657	0
16.4025366972	11.5057274641
19.7058701539	11.6032482984
4.9702804952	3.0350030707
7.9640373783	2.3819173484
78.7454344576	52.3366918151
0	0
0	0
0	0
0	0
0	0
14.1329590085	8.5902410921
8.8453607245	9.2592751725
7.9113874885	6.9013309192
1.3311450627	2.7868707255
483.4230865258	306.0952943943
22.446687479	26.208269875
0	0
1.5245885329	1.8861001878
0	0
22.6043400986	0
5.2708228863	13.7936713406
17.2277778824	15.0282862952
6.3766988465	4.1322006985
42.7416332531	43.5324723098
2.3207946759	4.8587903178
1.6440868031	0.3442042126
7.6206611889	11.3011274064
86.1713766247	5.6377328255
0	0
9.4191954792	6.5733081677
5.1783348259	4.8046692978
27.4616431091	44.7170852126
26.8303409687	28.0858540128
107.0279007904	28.953180579
0	1.1465475867
116.1988064635	65.061263021
32.3573375655	22.580989191
8.5607308502	1.4935543631
228.5091690172	79.7340489647
34.0816054388	14.7626639813
0	7.2947757236
50.1183845336	41.5337233123
406.0945364273	843.9436398428
23.8800136612	12.0677429514

gene_expression_table

0	0
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38.4976128311	19.2734779756
0	0
176.6985586481	115.5276137119
0	0
30.9507905894	13.4065316332
2.3770377722	5.8059636231
0	0
0	0
8.3387179076	13.8207967226
1666.7658525312	1897.1208112132
0	0
10.326171881	4.6325915068
0	0
23.7065123563	5.2243889108
4.8510950709	2.1158748989
3.9012924723	0.9424272918
13.987147101	11.7133351974
867.8679792063	206.6498316339
36.8552500366	0
0	0
0	0
560.6297471819	129.4553271056
75.3767758586	47.9416685972
17.0758623547	23.6410221831
5.3607358968	0
0	0
18.3863361589	6.4155720048
103.3729028636	8.6568150948
6.7207021177	1.9186893209
3.9390057616	8.2466593253
22.2729216203	5.8287930984
853.223258665	987.1651652543
217.0870577454	55.651969802
0	0
0	0
2.9016695065	1.012483917
0.9836441823	1.8877344639
17.8302384359	11.6653724768
1.172800585	3.0692030763
3.4456167069	0
22.7133340096	24.6253434452
59.6131303925	35.9288263947
441.5787270024	384.9676626729
14.6221193815	21.1934139274
22.3673060794	7.5751090828
2.3087106523	3.452493813
10.2832119066	13.4555123959

gene_expression_table

0	4.111488203
2.0649520475	0
12.3794454403	3.2396839254
5.02038931	0
261.1608974018	173.9702346951
0	2.3704193565
4.4138350015	2.3101891555
11.4783594303	8.9003583706
7.2308967667	3.5781971215
0	0
255.0052235156	170.8968606925
0	1.9419288332
3.8556430428	30.2704951886
0	0.5922526531
27.6073834441	9.6330859404
10.2611169462	1.1934756703
5.2497361753	0
21.0812318254	11.0338590208
0	0.7482614346
2.786416045	3.5001660702
0	0
0	0
0	0
3.6943352284	3.4375199007
0.7536584554	3.5501649498
0.735756219	0.7701855814
0.8288467516	2.6028967234
0	0
0	0
1.4851850667	1.5546835955
0	0
0	0
0	0
0.895581964	3.7499611843
0.6703973188	0.3508841212
978.6342150266	561.8751513951
0	0
36.8053799516	20.0343885042
30.5723972732	6.7374774868
20.1056137671	8.0176938668
21.011440016	0
9.5744107388	5.6490120509
0.1984544751	0.1038705289
2.3947360559	3.1904683881
3.8478510871	2.4167456691
1.413543349	0.6341526162
288.0824709632	164.2442173512
6.2075286092	15.5952166991
5.5922811584	5.8539692953

gene_expression_table

13.1281257369	12.2155112325
0	0
1.0103987309	1.0576798589
9.18852858	16.0308356743
0	0.19624668
1.6336645945	3.078200074
1.4811075018	0
28.5433186461	20.3177129728
2768.0835243427	1274.9504575555
57.4284734436	18.7861911073
4.6773011614	1.0043432296
6.4025562941	0
16.1591142678	11.2768482228
0.3204257083	0.6708397537
130.7665531415	212.8454131431
10.4072786465	4.6689781289
79.527605418	60.1017617527
0	0.6225475743
11.0609830315	0
0	0
0	0
7.6609733995	21.3852400158
0	0
0	0
0	0
30.9507905894	49.1572826552
0.8381615657	7.8964464377
137.3048389758	193.7229809506
1.7788592737	1.8621001473
6.782926099	0
12.766811732	0
0	0
5.4027914112	0
872.9991773453	685.3880689641
0	0
15.4060558518	17.4708894834
102.6552176194	31.2607766404
4.377620144	13.7474063894
292.6676556915	251.8270953481
1.3094960492	0
1.2877197384	1.3479779711
11.5254676487	16.8907149956
25.2796964579	58.2178252253
5.5500897367	5.8098035461
92.246076663	171.6670007909
0	5.5013434455
0	0
0	1.414493374
1.2161152444	0

gene_expression_table

0	4.3685887418
1.4255317249	1.4922388039
5.5152881926	1.1546746961
611.0395597312	595.2139163171
16.5608203349	4.3339440114
2.0039699941	0
200.3332125663	104.8538549813
0	0
3.1560182668	6.607405281
1.0275920932	3.2270333294
0.8874787054	0
2.4518828915	3.4221567802
3.7393193236	0.9032997676
0	0
233.228958937	116.7639464574
64.9547307837	54.0863404104
136.574360104	142.9652923253
0	0
0	0
10.0426477924	18.2218204465
1.4465877118	2.6499901675
0	0
0.3613804411	0.3782910669
6.3638036011	11.4198767378
1.1409922077	0.4777537581
1.0706222785	2.2414430775
2.0019868471	0.5987625341
3.8616229235	2.309900418
0	4.2770480032
0	0
0.5534526254	0
0	0
0	0
0.6605308091	0
0.6395851119	0
0	0
2.5690617932	0.5378559636
2.0857541463	1.4555706797
1.4704762559	3.0785729857
1.3922252527	1.7488485254
1.5276629859	0
0	0.4654355103
0	0.2697286558
0	0
0	0
0	0
0.7513766035	0.5056308735
8.650415133	6.3386450363
0	0

gene_expression_table

19.5506905923	20.4655558596
0	20.025280308
15.8305135367	27.6188248134
0.9146896698	0.4787460689
279.1859695495	204.5752409425
1.6474004145	3.4489794667
18.9921930773	17.0407917591
0.9383152639	0.9822232804
0	0.220211057
6.9217266002	4.4588464642
145.6637930034	111.7555725953
6.8314357554	7.9683792043
259.4798097712	183.8489817815
0	0
92.5591261377	173.1657970073
79.0851278312	76.4177342513
13.9370926276	9.7261814987
20.5073054793	16.6965050662
18.9549274271	16.2342934694
3.0014951173	0
7.2467492936	7.5858574799
692.7030287765	300.301285241
0	0.9845922843
0	0
0	0
0	0
410.3591316656	302.4464974639
5.6974331835	4.9115638842
55.2357053663	6.086361466
32.9402433609	10.8889472783
0	0
3.0663246821	1.0699372957
2996.63277844	3418.8236185157
14.039186029	24.4935717695
35.9417613281	12.093312521
20.304102464	24.7965938283
12.1228926384	25.3803552667
302.0715028574	72.9707988825
0	0
0	0
170.4724770701	178.4496555517
0	0
28.5778040682	39.3619589697
1.2726820802	1.9983549491
3.1561208449	2.7531750155
2.1526129469	3.7555724098
1.3532389876	0
0	0
159.4517712532	219.0736288753

gene_expression_table

6.3825285792	4.8590516133
4.3019834323	9.5694969893
0	0
2.3167526372	4.0419399581
27.5473390167	24.0303363696
0	4.7924716098
52.9448094631	105.2085034511
0	0.1549890413
27.8095774148	33.7686595007
0	3.6696476626
12.4221205371	13.0034077592
1.9147448443	1.3362296124
2.724818869	4.2784882079
8.2085928547	5.1556260318
54.5442617748	68.7490089616
0	0
1.7285124076	9.0469866178
59.1739000816	23.6840555788
0	0
0	0
0	0
0	0
30.3620826818	31.4089458772
6.4611331448	2.2544929324
4.1492274509	10.1345733439
14.3872535609	5.0201660827
0.8044567886	2.5263028841
29.4737965258	29.3103583747
41.0295130025	80.296834373
13.2439129888	4.6212185326
14.7083262699	19.5023541757
3.9021768439	0.4538641504
17.622716135	8.3851648884
0	0
113.7346958093	65.5821668832
1.0815331243	0
0	0
1724.1043176447	2756.5297277995
53.2745975576	43.8173662229
8.0069569189	2.7938795532
1.5287452579	0.8001410825
72.0358828145	94.2584596099
0	0
3.7088217109	6.4706237646
0.8683834132	0.303006334
16.5143486452	16.5013511109
7.1579220134	4.9952490463
30.0212451378	28.6933728487
8.5134464347	15.5957009447

gene_expression_table

2.3747706049	1.2429484329
92.5925858507	67.5540749363
5.5871329133	0
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1.5221743075	1.9120844763
39.2459816243	20.5412393338
0.6243850954	0
0	0
0	0
0	0
2.6968941297	1.6938564047
0	0
1.587918139	6.094821381
39.4002864746	29.6956829808
18.6710448458	7.8178990035
0	0.525037566
0	0
6.8183610011	5.7099383689
92.045850263	25.1355892293
142.1339382568	191.6780094231
2.4750056082	0
18.6852105734	38.4205959397
4.1960232492	4.3923741614
30.0722617093	23.8809839874
0	0
0	0
3.5718520575	0
0	0
0	2.1636509758
5.8872541551	3.0813727065
0	0
0	0
0	4.3711248508
1.3837853595	0.7242694686
14.102081622	14.761981824
2.1765935946	2.2784462565
0	0
0.7115124273	0.744807313
0	0
4.3385581995	0
0	0
18.8153104758	6.0602350708
1.2541895282	0
0.928837332	9.7230183314
0	0
1.8778063342	1.9656773885
107.7206991823	16.3028585154
0	4.6452939788
0	0

gene_expression_table

22.5782110384	23.6347476849
2.5051434403	0.4370617393
8.8076526108	3.2269308839
5.0706713264	8.4927215668
16.4105269442	10.3070698482
5.1225111326	2.1448866418
0.5981579906	2.8176682916
0	0
75.7887766119	187.3194025296
10.5881986734	27.7091709855
0.5991212258	5.330832958
13.5104865088	3.1428229553
3.1106744841	5.6984147799
0.6057816167	0
174.4724199259	98.6238578687
1.1312146442	0.4736597182
2.252479008	0
4.1257805079	18.7149925924
0	14.323726181
67.8472933093	19.0547299127
1.9841050773	2.0769503307
0	0
12.9629837181	39.7729079972
0	2.1806393539
1038.3358506611	1027.7008444297
4.1895059985	1.4618506463
7.9862135072	6.6879396558
0	0
0	7.6055610059
0	0
0	0
7.4411034043	12.3920782027
0	0
7.7152685551	4.0381504387
0	0
1.3975873638	2.1944801996
0	0
1.1039103501	0.7703782066
0	0.7034700215
445.0277244069	396.5081163248
0	0
0	0
0	0
5.6703944007	3.9571585398
0	0
10.8025775986	13.1927589258
0	0
99.5494843346	43.3223667289
64.2925023593	56.7440136348

gene_expression_table

2.8082507969	2.7044886326
1.2470381933	7.8323565144
83.3616127346	49.8642741444
13.5269769202	3.7085623591
46.0056602544	41.7939173087
38.5429735154	109.909631609
2.0902888824	0
19.2897040195	201.9235654416
0	1.3859119061
0	0
3.3894336915	2.027451788
0	0.8824558361
0	0
6.9447569826	2.907893433
7.6160290223	10.4254690096
0.3078925058	0
0	1.0690595785
1.0865067754	2.2746986863
26.6669995468	19.0996472836
108.8137960914	152.8003103854
0	0
0	0
0	0
0	0
16.4308173399	50.6776569225
1.2005980469	11.9394048839
9.9357296737	8.1255214203
5.5456522007	0
0	0
71.804285969	71.8963188835
1.01524758	1.0627556076
0	0
304.441943747	1027.7221718165
0.6465478166	1.0152040713
200.9330336699	31.2379603083
20.222299283	0
13.582412329	16.803084827
1.6943113141	1.1823972041
0	0.7170047038
0	0
1969.6145436992	4127.7035628365
8.7347638782	7.6195858328
18.5198817592	36.3497077826
7.7333946589	16.1905503673
1.3817178923	0
0	1.7002596488
3.4237490316	0
0	0.8366530268
0	0

gene_expression_table

0	0
12.1365291881	9.5283392242
0	0.7155812942
1.5395796872	0.5372078621
163.1191179177	92.298486192
0	0
6.9656803272	20.4165808701
0	0
2.3206282868	4.8584419675
16791.8653888527	17653.1195092796
14.754188373	12.7585855829
20.8150518227	26.2971682597
0	0
78.5968744417	41.859097476
15.705057421	8.2199840565
65.2583131949	22.7706816405
2.5573702156	1.6062246831
3.8888893318	7.5154487232
1.5164620087	0.7937120636
125.31568056	271.9580560806
0	0
0	3.4780100884
0	0.5687892275
0	0
113.3989229645	115.6616441504
32.6675761258	7.5991644028
0	2.633308019
3679.2787944862	6381.0776800679
2499.1516979066	4766.6626900827
38.8874980112	69.4417282086
0	0
20.6067950626	15.5042139198
0	0
1.8358122306	3.8434363816
13.3421778008	59.3577043259
0	0.9325363098
41.0567602279	10.7444979487
111.6142184298	116.8371526934
517.7318874419	420.6042391426
0	14.6933106163
0	1.4371723058
0.8053374638	0.8430228474
0	1.6117769138
4.3926703173	13.7946697064
48.4601108064	38.891296959
12.7173201888	10.6499369106
1.7357423501	1.8169655878
7.1446502173	1.4957961452
1.2172738559	0.4247452023

gene_expression_table

61.4665109134	40.6764872192
114.3859182189	32.3617710421
3.2703002086	10.9546635244
7.7499751163	5.1625836918
0	0
0	0
19.5992269722	5.1290908691
10.0766513021	6.5298278234
0	0
8.7989733514	4.6053585621
6.0399558396	3.1612963502
0	0
0	0.3301320642
0.4476795019	0.4686284512
3.2807747157	0
1.0696139763	0.8397495402
1096.1859189079	1026.3187834409
0	3.5221179086
49.720619577	21.2920659496
0	0
0	0
1.5006084073	1.5708286639
1.0373733525	0
5.7507547916	3.0099293134
19.5554152638	12.2823009719
0	0
0	0
1.529106356	1.6006601607
41.8605808868	49.3964448229
19.3743755056	74.3636307047
1053.2249117644	1242.2648682346
6.2382352585	15.2370178574
0	0
16.8536096181	12.830739101
19.4643826268	26.3679177285
0	3.6626066675
17.4218420709	4.34216402
21.864444302	13.7325483441
8.1391701969	0
1.4873689617	0
0	0
7.8729017378	0
0	0
0.969569954	2.0298810377
2.0462841917	0
1.7034957815	0
4.2860332819	2.2432980853
1.8239672796	0.9546594805
0.6023993774	1.2611767394

gene_expression_table

19.4434991695	14.8024352473
1.3787750615	7.2164709237
15.1941884333	6.479893548
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0	0
0	0.5812594229
0	3.0069909728
2.2760065253	8.6636769749
2.0078235435	4.7290020552
1.3331736622	0
3.3861411596	1.7722970123
0	0
6.5403360971	8.2156656168
2.2617969187	3.3146912817
0	0
0.8395746983	5.7126042805
0	0
0	0
0	0
0	0
1.4449410002	2.2688344905
0.6156444641	2.5778130159
0	0
0	0
0.5251155637	0
58.1624037247	104.5957370454
0	0
26.2367878464	40.1404608643
111.6864294834	54.802848201
22.418185394	31.2896449554
40.6834168342	22.8516564741
0.89811663	11.2817228461
3.9425241589	8.2540254034
0	3.8631925678
22.3711412022	18.3271211329
132.1805833795	161.9893591128
1926.2936188748	2544.4334092066
0	0
6.5985573548	2.3024445693
0	0
0	0
22.9384917106	20.0099062665
0.7602076975	2.3873437654
1.2142903416	0
50.6807776795	141.4729615077
0	0
115.5686908762	52.3456757295
0	0
0	0

gene_expression_table

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0	0
0	0
2.8734204307	0
56.9729779554	11.7322625627
0	0
4.6599659293	3.252017879
0	0.4724444948
0	1.3795917867
17.2951436265	3.8403403492
2.6814781994	0
13.9475951163	4.443559277
20.4037518832	14.2390238319
0	5.6793118138
6.0223499153	0
0	0
0.5726844187	0
36.9077803246	57.9522935253
119.8736396884	109.6510935651
10.6931362222	1.8655860743
0	0
1.9287405163	0
35.1024168692	23.2073796446
0	0
2.6609769274	0
16.1324378711	0
610.1238719498	1057.116129667
165.0232071468	56.7591994512
9.295842431	13.6231717385
13.8901951577	10.3858430239
6.8028842675	7.1212220011
0	0
21.4756657011	58.4495840836
19.4216508728	6.0991433363
67.2933957269	45.2843731111
6.5350541782	6.8408589302
8.4401886166	13.2527148427
2.7412028578	0
27.4927434977	15.9884740851
46.3347368942	34.6449634776
0	0
53.2499246972	23.77220821
11.7999769156	9.8817209783
0	0
0	0
10.9445008516	9.9622987507
15.4188021749	12.7423560702
2.2007005218	2.4188653188

gene_expression_table

0.7700095952	0.806041828
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0	0
0	0
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0	0
0	1.0747565273
3.6691896419	3.0727101008
12.8018206552	18.7612260693
2.0073254787	3.1518859796
5.9290964509	1.2413091398
3.8266224005	2.6704582504
6.1127951064	1.8282401274
0	0
0	0
13.9317604066	29.1673810167
9.7362380342	16.5617410759
4.775468183	1.2497334863
4.1124311817	4.3048704428
2.0424106098	2.1379842429
7.5591133453	1.3188064098
6.1659440603	1.61361912
5.9500226736	6.2284511546
10.3175198727	2.1600646616
0	0
0	4.2938504982
0	0
0	0
12.3984129257	2.1630984602
6.0899573555	0
5.2851092915	7.7453928538
4.9301568864	4.3007176941
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0	0
0	0
0	0
0	0
0	0
4.2347253673	0
2.3206758241	1.3881547117
0	0
1.0545423648	0
9.6707867776	60.7399598705
5.7174028517	1.9949819996
0	1.2642826224
1421.6890694106	1614.1077450788
0	0
12.7471195608	15.0115668273
0	0
12.9888135412	0

gene_expression_table

4.9537991039	5.1856097767
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12.9632766617	6.168130467
4.5939925976	1.8033623611
137.3067502214	78.6457863096
247.2066577197	300.5124104754
282.539514647	103.7757252101
1.3560168976	17.0336527597
3.2504642845	13.6102728584
404.7481897029	141.2293962423
125.0807686139	112.7486048426
0	0
0	0
80.2942047413	23.014110462
32.9190129491	46.4147592892
17.3334486279	11.2621401385
10.3226495252	8.866209641
59.887735614	40.121698379
0	0
14.1480313435	28.2737924145
0	0
16.4533481368	6.3152007369
0	0
6.7139853443	3.5140815475
0	0
2.512142858	4.3828289803
116.3839779709	90.3223235713
28.4941811203	13.2566901213
0	0
7.5926420606	1.4450792972
0.8629198439	1.8065995351
0.8463729629	0
0.8643792953	0.9048275133
16.6157167828	19.6136551355
1.0421160124	6.5452880131
12.4933870118	7.712672042
0.5355768639	1.1212778569
3.9461946312	0
0	0
633.7396966817	305.0515528074
3.4106812872	4.363678606
563.2119722201	95.3711660932
213.6052020516	145.195296028
0.2407232032	1.2599386548
0	0
30.0210250245	94.2775338344
8.080841978	14.3151988436
2.7827588489	2.6216790531
2.3674753763	0

gene_expression_table

524.4160397873	175.360892994
2.7829981094	2.9132271823
53.2689043673	12.6730903206
2.9476480598	3.0855818487
41.7347561943	16.5304864767
101.0306293181	63.819669564
2.3009968966	0
0.4087890749	0.9628158717
1.8870397552	1.3168952554
0	0
0.7917063728	0
30.5423684317	40.2605132298
0	0
490.0807407816	161.0624833785
47.67398012	39.3985747455
23.6806922463	10.6237795614
24.8348772465	30.6187048064
38.6423848525	6.6041856118
7.5161302693	7.6759453759
3.3224484431	0.4347401047
0	0
58.7062737175	27.4345561934
46.3503576282	27.1708083178
3.9963682282	0.7508624269
31.9290982438	18.2308392052
201.0873129809	47.9062361301
5.4609006444	3.5727755579
4.3745305077	5.8512441883
1.1345095019	0.2968995836
0	0
38.1489628483	15.9736501679
9.9762559523	5.3899819894
28.4629997755	9.4350555654
2.3262511644	1.7393621294
8.3821681567	7.5778975839
0.2580342977	0.4951996316
0	0
6.0063320365	48.2033654027
0	0
0	0
30.2146433122	18.9771139049
0.6684659365	0.4373415513
0.8901389694	1.8635851982
0	0
0	0
0.4539745127	0.0678882906
0	0
8.0218965407	2.1592998961
1.9384431276	1.0145758259

gene_expression_table

0	0
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0.053704486	0.1686526856
183.6450388764	87.5116111079
0	0
0	0
26.0966441095	26.8842079016
3.7743781412	1.234686991
20.0853444612	36.4849555151
9.3387545715	15.7916077035
0	0
6.0899573555	0
2.8046203401	1.4679306074
0.5625521107	1.1777529383
0	0
5.6259774064	0.9815403905
4.532927366	9.4900870921
6.6091727946	6.6039710787
3.8615571097	1.5399073668
0	0
0.0634355639	0.1992120028
0	0.3459544035
68.3415088978	16.588873577
4.4777446294	6.2497047461
0.052511386	0.0549686313
0	0
1.001857842	0.7341175122
1.3414280943	3.2296590431
2.9921308354	0.7830365437
8.0278083692	0
551.4397534736	448.6981561921
204.4555722785	62.9479333932
7.0500355778	2.9519754557
4.4763473488	2.1626842587
44.6368919252	120.1516818479
3.9647382833	8.3005326509
0	0
523.3839927679	657.1339062836
115.4232219515	76.2209979329
28.6592434287	37.8265145093
10.4877274307	5.2278550702
2.9164558607	0.3392144473
7.9036876413	8.4495696462
24.9375308261	10.3589169523
0	0
27.7574626985	7.6464105166
4.0955027429	17.1485993831
14.6706385949	16.278572799
3.2066696399	10.0701726613

gene_expression_table

0	27.4799467
0	0
2.4460360558	1.7069980997
27.1016311377	34.5841847786
5.2809703297	0
0	0
0	0.2281422492
122.6409388585	59.4351218796
0	0
0	0
10.1009867693	16.0310293263
0.8406868044	3.2267632598
12.7433556475	11.1163957615
17.8817787878	9.9098195935
4.2321599185	2.0674275202
6.9709094308	7.5055986741
0.3418806817	2.3858588375
28.5937485377	17.2210237645
3.1009229978	0.7213398255
30.6496302813	18.2546129314
0	0
3.3156511507	7.3272559907
6.7553685743	13.2001012894
1.1129046435	2.4358724728
0.9316176417	2.9256367385
0	0
23.7150825861	20.1701651092
4.6011433651	1.9265806721
66.8652357971	117.5901933404
23.3004789078	19.2766108556
4.9669935969	4.4566471712
243.5109657667	197.1648197911
2.1487070728	4.0895541787
16.6119778096	17.3893274099
0.3268648975	0.9124276932
0	0
19.0981806103	18.6131211717
0	0
2.6339441151	2.6120825784
1.771266463	1.8541520346
2.9193083575	4.7366698055
2.4417254763	3.1949810732
8.7972794015	8.595014313
2.6843988443	2.8100140114
2.5286015987	3.7056968309
2.5716394277	5.383956143
0.9659050853	3.033312463
128.6839618676	108.9109645307
2.9539158167	3.7105714828

gene_expression_table

0	0
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41.4816395548	32.5670648607
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18.2936524067	16.1031527565
22.2086674645	13.7374022472
5.2754617877	3.865627159
1334.9674302335	1012.6352146174
43.0427172136	25.8092811736
2.4496698891	3.5140421473
194.9886948473	87.4770420338
0	0
0.1927718189	0.2017924845
13.2235436138	2.4427646555
0.5095851909	0.6858398411
4.7414243181	5.7905131828
671.1737182397	134.0613871028
0.9605354426	3.5191913462
5.3162017933	8.9757595608
23.5009290518	33.0571151719
2.2518782982	0.7857512907
2.2952860122	1.6017952196
0.2654778661	0.2779007766
3.7272914823	3.5624293305
0.2065268261	0.2161911507
20.4311558713	23.2822924045
1.1722059662	0.6135293934
24.6262469574	4.8334913382
1.8166478656	1.9016570384
0	0
0.6414356019	3.0215307412
1.3737426086	1.4380262406
0	0
0	0
3.396547092	2.0317067987
0	0
0.9155952519	0.3194800321
5.3962611336	0
0	0
16.3359252739	5.0667724821
0.2091342319	0.4378411377
19.0793535777	9.9860814268
6.0902119897	6.7293783721
3.3890661304	2.2172849175
0.6977994081	1.7043893989
0.448738736	1.1743431292
473.5148660659	106.2155933577
0.4729968925	2.9707833424
0	0

gene_expression_table

2.5696237924	2.6898681156
41.8683029641	44.5123151354
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6.0810902907	9.5484780276
0	0
0	0
0	0
5.1877535011	0
14.3741666073	21.5888853737
0.1854757976	2.3298605921
15.0596107373	35.7324542667
0	0
227.9345914433	113.0213757959
0	0
27.2799691067	23.9506315945
5.7034330675	4.029967691
76.5368350798	58.2678835444
0	2.2407760255
10.4923250674	7.3222056189
18.5072681575	10.2564566302
3.464795905	0
0	0
109.706283072	264.6311578099
0	0
0	0
0	0
9.9640213467	14.7762342306
0	38.661312507
9.8503114256	17.1854201061
1.031554699	1.0798258105
0.750965694	1.572213553
18.6152078127	46.7671142596
0	0
96.9887296255	41.001397943
0	22.1858834871
6.643703478	0
10.913873449	6.3469905367
3.3358194559	5.5870680651
10.5722900917	22.1340307559
1.6831659782	3.0833756268
7.260432112	1.753887826
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0	0
33.5948782538	20.4195104145
2.7626608068	2.0656701466
0	0
0.2555452132	0
49.1077160548	12.8514220676

gene_expression_table

0	0.0575804825
1.1982787456	3.6490229223
1.2527898805	0.7649912591
0	0
1.9074481424	2.3294906495
1.1261121601	1.3261590483
27.1250170984	9.0193720358
8.7062819382	7.5147955832
22.2030463164	33.4958628853
5.0031104465	4.1897828961
0	0
8.1980050478	3.7675434708
2.6454520526	2.3432070734
5.3267708952	6.970043257
28.6541728164	31.9301945079
2.7379566355	2.866078014
14.8665166355	16.5348249736
10.2437817259	1.1655581108
0	3.38128943
92.1293833339	88.4038228397
0	0
12.1746789937	8.8755554456
0	0
0	0.7631943031
0	0.6134997697
18.9710493478	18.0200136733
11.6039244382	7.145249743
10.6124994573	0
1.4721063937	2.6967375963
0.5657542956	2.4676187449
0	0
1.7986454278	1.2552081234
0	0.0323913471
5.0207087875	5.2556504672
0	0
45.8892583487	38.1467311146
21.6075589751	24.3585724523
31.0296184401	36.1727295258
11.9822766577	6.9683231082
0	0
1.2869517452	1.01038053
9.400047437	12.2998977323
0	0
0	0
0	0.1730496444
32.3740095282	32.6566109638
323.9338838294	65.1737127954
0	0
1.0251998842	0.5365868126

gene_expression_table

3.9204897377	1.4656954251
4.1776775367	1.3666156156
4.0068059598	11.3845354626
15.145674246	12.0493507401
14.709491704	18.0035995117
26.7293852121	18.2479396171
5.3642895831	2.8076544814
1.5226325781	0
1811.38684842	1478.3541081996
28.3579724211	31.4311449732
0	0
1.1885494356	1.1819586891
0.2298088957	0.9622507748
29.2934011633	15.8999410047
9.3387545715	24.4393928744
0	0
1.2490593249	5.2300338475
0	0
1.066928571	0.3722849953
25.0469112007	17.0423301731
435.132971285	191.2574900003
1.6688470699	3.0571449559
1.5755511753	0.8246391716
1.1213817438	2.9346406729
145.0312563555	39.8210950858
0	0.2907943346
4257.2085305632	3979.3642871344
5.2055521622	4.5409529164
8.5884824638	5.0815171045
0.299693746	0
3.8885299549	0
0	0
42.4778521583	41.2894699713
45.8571930558	42.4642441404
6.0443420637	11.2483274234
38.2177841901	17.1455002386
0	0
5.3754252835	2.8134828765
124.6485928358	153.3157207289
43.6282773437	61.6011820044
43.66063463	17.1388924729
129.4724933786	54.9450393748
4.5843953466	0
9.5166774505	17.9316105216
0	0
255.7825839017	498.9920062949
0	3.7824039162
0	0
4.0074437718	3.1462276477

gene_expression_table

7.7831621893	7.2897535028
58.1909307936	37.7666475879
0.4209775693	0.4406770144
0	16.5443233794
29.3564925768	10.8459584767
2.2555397613	0
23.7511911833	14.9175701267
343.5205077121	355.5549888787
0.3650608847	0.3821437352
9.112647338	0
63.3390969013	78.533673955
33.6097054031	15.314715959
6.6033811077	2.5921436947
0	0
24.2421534936	27.9142088895
9.6422569158	20.838114564
1.0790093788	1.1295011094
56.9193259285	49.6523655936
3.9354298396	0
1.2484490876	0.2178116115
7.8823600586	7.4260902136
0	0
25.8597431809	55.7638653802
8.8041512215	2.1268009132
45.7756547837	6.6093385899
0.4218114489	0.441549915
0	0
0	0
0	0
0.5473213808	0.4627535967
0	0
69.5400276467	20.7983200471
0	0
2.8386865463	2.2286411498
2.9637881684	1.2409908904
0	0
0	0
0	0
16.0848716306	21.046944435
5.6048698432	2.0707577865
0	0
0	1.0156300991
4.7881839267	0
0.0361216706	0
3.6445664262	2.2890673072
338.8877343466	181.9209357374
1.7256556669	0.4516017258
2.0607486497	2.3320869217
0.150976358	0

gene_expression_table

0	0
3.7453857857	2.0910129771
7.1332087001	0
26.0054552849	10.7755207442
188.9190078481	160.9218508429
0	0
6.4935838952	5.3664063671
0.1204410226	0
0.0366520103	0
493.6921068679	429.448696581
2.9127550908	0.5543738327
16.5160339548	25.0688961667
5.6361001819	3.6873992557
1.3818190121	0.2066400822
0	0
0	3.1680948369
48.8407896833	21.6899332389
1.1400667375	0.6819517818
1.2790354325	4.462957624
0	0
85.2166476823	334.516200669
8.8823239196	9.7873347818
24.6364663514	35.6660781906
13.9677026599	16.0362805974
25.2393961273	15.6565698752
11.2379857585	2.1388839922
24.9068587052	14.77433921
66.6570977019	41.767494473
23.2071147838	12.146540341
3.6982279024	3.8712847181
0.6914600151	0.3948090314
298.834875259	420.73433634
16.7633277766	10.9673498292
2.2736810442	0
3.553292229	4.3394946569
0	0
0	0
3.4433824897	4.63437506
1.8564387428	2.5263028841
2.4635149817	0.6446984984
169.102058039	93.713880925
0	0
2.4718734417	4.3125726395
2.0065966153	3.0007062136
8.3825524568	5.5419852707
0	0
0	0.3315145322
0.4732834171	0.4246547053
20.7621060581	8.6934635744

gene_expression_table

11.0854003066	17.9929305068
3.9826549977	6.4430331407
3.4621322275	2.8313602018
7.6920445211	0
0	0
0	0.2314017803
0.3294074327	0.0574703161
37.0646228945	40.5234462622
140.399593142	62.9869394245
2.0021033942	3.9450181087
1464.5779330324	627.1822476007
30.3399440542	9.6241476683
0.4050775079	1.2720987516
0	0
0	0
0.0193562628	0.0202620299
6.5483447288	9.3802135026
0	0
0	0
1.593350727	1.2509331123
2.1156250734	4.183180069
8.9194845574	2.8728823369
0.606614171	0.2116667975
0.3091481776	0
131.7786192148	60.3509974472
7.608867735	3.9824605408
0	0
4.3522027746	1.8637617409
0	42.4684866694
2.9242378882	1.5305381047
26.8334038763	9.2095279501
20.5324848841	11.2138918686
0	0
7.0813100111	1.7106176642
3.4173870671	8.5855249667
543.4788576713	118.2008622873
0	0
0.1574991526	0.0824346253
42.5325062428	15.3047106583
47.9405682363	24.6999002535
1558.1114335952	1262.3239403876
28.8882056488	4.6523100757
7.4023559738	4.9813365219
1.3740341871	2.5170800608
16.2381889689	4.9577637953
3.9686271879	0.6923895349
2.0385516655	1.0669723605
31.9562428808	33.4516200669
35.538802603	21.0271178945

gene_expression_table

7.1372112355	2.3689150568
0	5.025626562
0	0.0792805766
0	0
46.2304434817	10.188163178
616.9421735554	574.0548347792
59.894138349	35.5282184369
564.7926472951	382.4392344599
16.4908788123	4.0885014417
0	1.8787232759
2.1296779535	2.1178684594
2.0242728796	16.2456495407
0	0.1560210265
17.6183560192	5.0298541661
0.8748708928	2.9305921925
0	0.7270669559
1.3479978071	0.7055383617
6.412862794	6.7129496582
10.1249261684	16.5604957386
0.5752696716	0.6021891423
2.7577850681	6.4953771946
2.9264250519	0.2784877928
2.8910693508	3.1776733443
9.7715089342	2.5571905118
42.4041179637	51.0466582691
0	0
42.6506050058	13.228568824
3.192752352	0
9.9081334064	4.8808375513
4.8854708404	11.0149504223
0	0.1709464059
0	0
0	0
29.1151653276	24.4744328631
4.442640041	2.6574464392
27.9545061704	12.9591620529
0	0.3575474997
32.0916415101	27.1330941086
0	1.6100154089
7.6676555902	9.8787198604
0	0
15.743250654	0
2.7589603942	0
0	0
4.1317971614	2.752363501
2.2403186147	2.3451532587
98.4132664781	154.527702711
2.739542174	4.8298741002
0.1602445807	0.8387157482

gene_expression_table

65.8676199257	32.4469947628
118.9518620261	59.9531871042
16.5848625165	7.5230754168
5.8730113726	1.6394229724
17.8948050335	37.4643678473
0	0
0	0
0	0
5.3517918019	3.5650531342
22.2946550417	9.7241345084
1.4607652506	1.0194140438
12.0365949539	10.7998643055
0.6433479755	0
0.6452331973	1.3508531558
2.0456375747	0.535340553
47.6001813892	21.7995790411
82.1957598069	16.3183238657
6.0063320365	7.3352947352
4.3552372638	0
7.8274043581	6.9331172494
71.7085213838	40.4191240572
0	1.2485361589
2.2557755484	5.9033337308
1.2190465255	3.8282736835
4.1398268516	1.8572348914
1.4144964067	1.4806870932
6.6397468514	5.6052021349
4.5219507327	4.2076029035
7.5743048241	4.1975686671
0	0
4.8255893829	6.0616806514
82.8535580494	7.2275542408
0	0
2.9865402606	0
6.6518954675	5.9684295017
0	24.4994752575
0	0
18.2262720609	8.6310493825
159.0926527217	128.6879273411
3.1081355238	0
790.623432942	289.667098153
9.5725916832	16.7008942632
8.5197735865	1.5738445304
0	2.2117270869
3.595659114	2.35244767
23.7005087252	6.0758112877
0.6072818639	1.2713986597
0.6534526455	2.7361226052
0	0

gene_expression_table

6.7042508999	1.4035946264
39.4853593713	36.1664257346
0.89001659	0.931664493
0	0
1.4106523434	0.8613868368
0	4.5639512771
0	0.2979438832
48.6533840558	24.4464460903
3.4039460874	1.7816160627
0	9.959663222
0	0
363.1766995192	538.5761222802
0	0
4.4211314142	4.2720149131
6.6848664487	52.4826119596
1.1005822287	4.6083338023
11759.7797240316	11227.4281641506
0	0
271.5189930848	308.2435750998
1.5465218963	1.7200713187
0	0
1.9048289465	0.664654837
1.542136502	2.1908357768
25.8751785424	3.6114660287
4.1068481056	0
47.9898689439	77.5374516199
89.6554283686	84.2025972298
0.7152228068	2.6204196125
2.1630662486	2.2642859049
0	0.1404455685
0	0
0	0.0692160399
19.2667400861	10.0841590122
0.8992311043	0.3137700654
0.590662778	0.8244034156
0	0
0	0
3.0926928478	4.3165519181
11.6602764775	15.1521685687
58.6924312089	29.9317794003
0	1.6471936938
21.3193229588	17.6996504254
0	0
0	0
0	0
10.2888117909	11.7721575979
0.0230590804	0.0241381191
6.8774188616	5.0081700216
4.1800378827	3.2817305754

gene_expression_table

16.5461299272	14.2638573471
145.3416481466	160.5952215219
1.2602838955	0.8575178826
0.1699007062	0.8892556448
2.1102043681	2.2089503778
15.5205578253	0
26.3786717297	9.8990176114
10.4886984267	2.7448780202
26.0416071832	15.8554293152
0	0
3.1604008647	3.3082903199
4.270200969	15.9643678294
3.5758356054	1.0694757519
6.8903532324	2.8851136139
0	0
536.8112410196	300.4383926403
3.2565470093	1.0226806733
0.5478545494	1.0322840564
0	0
0	0
10.7654512233	33.8076461785
1.3881174777	3.8748633995
52.5203924462	45.4756786225
0	0.7693286926
0	0
0	0
155.6159776185	123.4075403595
0	0
0	0
4.7930683817	3.3449051579
0	0
0	0
2.0434421303	1.0695320164
0.0756112635	0.0791494566
0	15.085830045
0.3731798024	0
0.6937314789	0.7261943135
5.802818814	18.2230768812
2.0718692932	1.0844107157
3.8182902039	3.2475342883
5.9163084161	24.7726370178
3.9550492845	1.6560495739
15.8878009141	10.7614054713
3.1989369213	2.6789037224
0.5288217773	0.5535677408
20.9944046341	12.361965645
2.8215711182	2.4613376639
0.7400409691	0.5533363101
1.3666662449	0

gene_expression_table

62.9537903507	45.2252726656
0	0
1.1231132319	0
0.1184474086	0
32.7440247488	14.3960316413
29.4864891752	28.7617752697
0.0294057846	0.0307818143
0	0
0	0.0521461177
6.2999150123	10.9911942314
2.3252962173	6.25913318
36.9274300403	5.154057542
21.5295945709	6.7919911999
0	0
0	0
20.1364426322	10.9609333015
0	1.5502733474
2.5657379864	2.3938656409
3.5320955199	2.4649188332
0	0
14.8517950379	12.6912471205
39.9473170031	36.1657363908
23.5658660623	9.3570625902
88.9282535719	157.6071596232
9.0252407274	9.4475725745
199.568581984	79.5837328975
4.2152266597	2.5214149636
90.2489229985	23.6180196061
117.6329008695	79.8729577395
5.5491382384	0
0	0.8807583645
75.6542617174	43.6014480743
6.3821149591	4.1112387649
0	0
88.473118821	44.844274857
0	0
15.366560646	11.5816547106
32.6311501916	13.4562248932
35.5129964771	18.587405128
589.9836635372	488.42216917
70.2472573288	28.4649461897
4.4747245383	1.0645720784
0	0
118.081136665	0
29.6315614894	40.1411434671
0	0
14.2740194453	2.8016185117
54.2044106099	81.3003656924
1.7828274267	0

gene_expression_table

4.571768834	1.595234194
10.4528063105	3.0714218695
0	0
0	0
0.602347063	0
0	0
2.8398072771	1.1890778832
8.2710397683	9.2765133645
0.4502576695	1.7281999643
0	0
1.0518693405	1.1010910659
185.8450080697	113.914055785
1.0589411069	1.6627406285
0	0.2157863602
2.8231297254	1.9701578254
702.1534580453	313.283119242
7.1358296615	4.2684270951
6.7229500746	20.1072780732
68.3641016854	21.4689501922
6.205148574	12.9910311002
83.5731218507	171.6539891011
213.6509791726	93.1869479678
0	0
31.1801592762	4.8958829999
35.3440962488	85.0954147702
1.3669355842	0.4769668949
2.4491618754	3.8456538606
1.5070361926	0
0	0
4.4360150769	3.8696635771
0	0
870.7521389148	1748.0794514127
9.5360632749	6.6548658801
2.5981797515	7.7059876221
0	0.3762328086
71.7895721534	30.0595724146
896.6991860085	824.8828527131
447.2873807924	148.5691670577
0.2720353267	0
0.1072921929	0
2.68722918	0.7032441978
0	0
1.2235709462	1.8048021985
19.7805637785	17.3931961158
1.6281752185	1.2782736776
1.1435529514	1.9452305727
2.2762393351	2.0423613189
26.4136006846	46.9521722809
0.8547280356	1.789449255

gene_expression_table

58.2563482598	36.7458210165
1.4802269788	1.1621201221
4.3438815838	1.9487791956
4.4580098262	0.518513364
27.0499838178	10.3234596152
10.210764462	4.0443246648
0	0.5294845337
0	0
9.879709357	16.0875954668
111.6390547045	30.1582325599
1.3517131606	0.282993187
67.118077969	54.9460131632
0	0
12.466539572	22.1848391149
13.3404412917	4.4099055463
58.1155971072	48.1940314123
164.1861329076	107.4182155651
0	0
0.971490586	0.6779673506
1.025768447	3.2213063807
4.1424918736	9.1291322325
36.8098445921	40.6730295262
9.0616246766	0
19.1695034743	10.4694945765
5.0633209946	7.6559263332
0	0
19.3635578755	6.7565554521
73.915897155	66.321219776
338.23752702	294.0005605656
0	0
0	0
0.9142430836	0.6835890385
2.2419867596	3.5203491954
38.0337422885	19.1694693034
1.5773170579	8.2556342968
21.2389260792	24.4018443545
27.6913602758	19.861575545
0	0
3.4560310419	1.3914439887
3.3272013032	2.5541238108
0	0
4.2668235361	0
7.2301919551	1.5137050697
126.9446392577	99.6637149542
7.8908150523	2.4780185969
0.1141088745	0.2986213626
7.865504312	3.7051050803
0.2855624534	1.5942678005
7.6176222505	5.759061577

gene_expression_table

17.477388415	21.3444402419
0.4681872184	1.9603832664
0	0
0	0.1536954389
15.4025496944	17.5253311753
33.3499457475	21.6445351697
0.9881586074	1.5515985292
0.6974986714	1.9470341066
0	0
2.5184119944	2.5386206308
0	0
0.5208176632	1.2721078487
9.7099515058	0
0	0
1.242776861	0.6504660065
15.8327458786	2.2396799583
5.9012075378	2.3165069016
0	0
0.303245518	1.1110251172
3.0056200409	2.2023866208
0.0783574326	0.4511327228
0	0
1.1278615735	0.7870928796
0.5922803906	0.9299938046
3.1269233151	3.2732462044
3.0532299449	0.8716648331
50.8532966923	34.221183765
1058.4322055125	620.2687857495
45.7366376059	44.6850710215
0	0.2362815501
0	0
77.9044614086	40.774981813
6.8090174123	6.1094075516
0	0.6209503039
0	8.1671479064
40.195231067	17.212969549
4.844802177	12.6787809763
0	5.6293029209
2.5443137418	1.1652259908
4.8435938764	11.8305776121
0	0
36.376109194	31.1549824816
14.6550513181	8.1817746528
152.1482121005	53.0893051062
7.4684179383	0
0	0
0	0
4.9507683305	10.3648743595
12.0119210829	12.5740132166

gene_expression_table

0	0
8.9579677153	3.1257171846
12.9759961601	27.1664034572
4.1918312627	4.3879860129
8.0517719763	1.204078688
0.6104543942	0.9585304759
0	0
0.5749426861	0.6018468557
1.4038002101	0
259.160954219	525.6210188727
0	0
2.5559162464	2.6755191315
6.696823309	6.7840625521
19.2526355912	18.603280169
0	0
0.1149971164	0.0601891759
10.0080084548	3.4921094834
10.6438016459	6.7526504735
12.1033288111	5.3346098215
0	0
0	0
0	0
4.1462662118	5.2703506458
0	0
0	0
5.0539020645	2.2185535839
0.2341082829	0.3267510249
0	0
0	0.568026392
0	30.2344803222
0.0796013146	0.0833262202
0	0
1.4515079918	1.1230574132
0.3990842027	0
4.9632790124	2.3899453148
0	0
4.6518930571	3.1586440087
0	0
0.0972081397	0.254392371
42.5138472877	15.7914802598
13.7971540259	3.8514094096
0	0
24.1237192208	20.0989900064
0	0
17893.2695057044	8482.6747492988
0	0
0	0.7985193788
0	0
1.5632998476	4.091134301

gene_expression_table

4.3361779956	7.5651456375
4.6708596705	8.8009745889
0	0.1008998478
11.0840247734	10.1523593857
0.0571806273	0.7182764109
3.5178244269	1.9495267135
1.6594952701	1.737150562
10.0497153951	9.4679883423
0	0
4.4629272008	2.6473350619
0	0
2.6125330485	0.6077300644
0.3350113162	0.3506880114
1.6398887093	5.1498795645
4.0464650253	6.5890493379
52.0833235372	24.9402460558
0.7769530571	0.9488619069
0	0
7.5098311744	4.7167500913
9.751448811	4.6664060434
101.1425327709	58.527422386
0.0653679627	0.4789877778
0.0448840371	0.0469843643
7.3815560649	11.5904587051
0	0
0.4193595016	0.87796646
0.0709749443	0.0742961831
0.4992615274	0
4.2189483532	6.624558052
0	0.5070374004
102.6550080815	80.8317657562
0.416578164	0.4360717411
6.7269230673	8.6224974278
0.8280304254	1.0834721442
0	0
180.227563485	72.3364288501
4.678906303	3.1691993222
2.8216121122	3.3228541225
5.9044369472	0
52.4904607819	88.9762339456
0.1478894641	0
21.9296228622	13.0082918423
5.3645435982	3.6100124128
163.6353267587	491.775425802
571.7024721699	646.1497247042
0	0
1.1168867755	0.389716987
187.1852248905	149.798126248
7.9402045016	4.2818170942

gene_expression_table

4.9364805664	8.54621829
0	0.1476039167
17.5638661875	17.3798511671
0	0
0.0118236524	0.0123769346
0.8476437266	21.2954114792
1.8646425789	1.0843875786
2.3510815465	1.6407328595
0.0364441706	0.0915589397
0	0
1.3962309218	2.1923503255
1.4517023476	0.5065446895
7.3555558106	0
0	0
0	0.9465784127
1.9398039743	1.4504115562
66.62718979	109.5992502721
5.5167834786	5.3720360349
0	0
86.3603820639	80.5035923949
6.2372335186	6.5291018944
2.6169653894	4.6961572115
0	0
2.8907757684	2.4656689408
100.0781198819	40.9067651804
0.1980467272	0.4560913051
0	0
0	0
0	0
0	0
4.1847395336	2.6283374578
0.878694283	0.5660383779
1.7686854766	9.8744014516
0.6780794667	2.1294296186
1.956960299	0
0.8095977625	0.1059353131
6.7660609451	5.2188135623
0.8691354017	0.2274515448
0	0
648.4432055689	520.4032109952
17.4983847971	11.3973772209
30.5999768559	29.2465066342
9.3495445825	34.9537574081
6.2997515268	13.1890908062
0	0
1.2455346199	0
29.9095577016	10.9582064299
0	0
251.6961379833	289.8215529487

gene_expression_table

2.6561729316	0
32.1857374988	16.8459268882
91.9922303746	87.1258237029
0.5469867514	0.3817218242
1.6658838572	4.6502349331
39.1146115437	31.1181705018
12.2802929813	28.5665410008
328.7642552655	312.4186074039
7.0601848241	4.4343376889
339.6918859742	126.817957459
42.0201523363	24.1925559582
78.020883632	94.9159149242
13.2232547274	17.6171299092
6.1703192007	10.0474209933
0	0
82.6948009657	64.9233486331
64.3197000603	38.4740056182
31.3394519227	55.9631196122
76.0963437154	193.4532872472
16.9126404188	13.9768889865
0	1.5239171666
20.9777642976	22.5529063353
17.5057454541	20.615533297
28.0001066995	29.3103583747
3.6383667441	0.6347703976
23.1967201252	24.2821996102
0	0
547.0252270487	593.2580758718
0	4.3817709649
3.9183427501	0
0	0
13.9703055604	26.9982265188
0	0
2.5572085818	3.2122463293
0	0
0	0
0	0
23.9852710964	18.8307378368
0.4581579108	0.3836777538
1.9546558377	0.6820410093
160.3316133039	111.8895032593
160.3316133039	92.1442968017
18.1285916622	19.9756952488
0	0.5413967513
15.6116350537	13.6184784088
1.3171159042	3.102186862
0.5080434147	1.5954511941
36.9788152661	20.5751717022
0	0

gene_expression_table

430.6755751211	168.3818535931
4.7097195653	4.8205506822
2.3067362703	1.8110091727
1.6893886469	0.7368511604
0	0.1021346882
53.0842531278	38.203210034
4.786956502	1.0021919709
25.7534223013	7.3107909013
49.9923492314	108.6889515967
0	0
23.5763049127	26.9231420589
0	0
0	0
16.0999839782	8.4266875354
86.6229884335	15.112744996
32.8055304169	91.5750656246
15.119639081	3.1654310801
0.7610119988	1.9915579833
99.4339658042	74.347807814
154.0524114764	53.7537402662
0.0440579243	0.0922391878
17.2109836997	24.0218179944
0	9.7663646083
318.8008257437	552.0782774401
0	0.5607539816
3.9228382956	5.7489679069
0	0
0.1026314861	0
19.6611772847	8.3849385173
52.0672514889	40.3812939983
0	0
1.9672684367	4.5762796166
1.4491829983	0.433427665
6.1452239035	2.5731146933
16.9112452166	3.5405197786
0.0382235057	0
21.6601385078	47.9239872269
0	0
1.1982868112	1.2543600726
0	0
52.7741141489	46.0363780993
5.9347494215	4.788773715
0	0
50.2185270509	29.868454056
19.7206275455	4.587432207
10.4111043244	0
344.5046240561	685.1885527516
3.3859286314	2.835497241
0.5234341884	1.0958560846

gene_expression_table

23.8031345737	63.917498484
198.9585375526	160.2066982196
0	0
10.7043880943	17.3172738494
9.4453623543	15.0287774615
0	0
31.0634581043	0
0	0
0.0668172016	0.6994388079
0	3.5353479008
28.5595669062	27.0028371341
12.9804478165	7.6174376186
8.4802372526	7.8907252634
3575.7491773357	8822.9616969972
17.496282889	0
1.8603286156	2.1560298593
0.1439389318	0
37.3269881545	36.3974068926
3.2942579178	7.5536625194
3.6735442688	3.2960965934
0	0
177.4172498452	91.2858095645
0	4.5775161147
4.4286004889	4.1541895743
12.3944118002	7.8336014522
1254.5996128351	632.3334838813
0.231631053	0.4849402359
597.9808246031	0
716.3870363803	385.7961853799
57.014812132	42.6305665338
2.5906473223	2.4105559392
0	0
0	0
1.5001376248	2.4159013099
1.8340542681	0.9599389826
6.6914999059	12.0829789206
1.6280660257	3.4085012019
4.731391234	2.8301682493
0.520985321	0.9089409688
0	0
0.1150633413	0.0602238378
0.6537686933	0.6658652319
0	0
1.6188918348	0
0	0
11.4715492432	7.2050129603
4.173570156	2.7305439914
0.4592656339	0.4807567508
0	0.7763799615

gene_expression_table

6.4337355088	5.6123325848
4.8345844951	4.8583839139
0	0.3789002313
0.6520835518	0
102.5544040793	40.8965290055
5.4794888371	10.6523836918
2526.7423921463	3368.9710040179
0	0
28.4958534776	24.8577528229
167.0126204534	180.4675061576
0	0.33986092
0	0
12.9679981349	16.9685367994
0.4101176238	0
0	0
0	0
0	0.5339569825
3424.3354671919	1738.9459092629
52.4665655696	64.7291623988
29.438948017	84.7454563647
310.6174067115	337.1952894257
0	0
0.5598665262	1.7581956419
7.0856588743	3.054153081
0	0
2.3528133155	1.4777472573
0	0
2.2737209732	2.3801186647
0	0
0	0
90.933762438	53.9653972534
11.8649627759	64.2149631901
0	0
45.6808192364	61.4808404294
0.9842523671	1.0303099885
0	0
50.8133804469	36.0940071395
0	0
10.3705675725	5.5199254319
0	0
0.5334642855	0.8376412395
200.6952092302	84.0346584353
2.6310413695	1.7902038044
0	0
4.2679487532	1.0153784966
0	0
0	0
0	0
0	0

gene_expression_table

0	0
0	0
1.2453469281	0.9777167589
3.6531144621	1.156111228
1.9158403874	1.5041184203
3.0149146185	3.1559961141
0	0
133.8501816733	57.6938506368
0.5608754695	0
3.2260198318	3.3769798954
1733.4280269656	853.5700561304
13.0487926699	10.5549945536
116.9579885985	59.5150607166
29.4612773161	17.7563082342
10.8384252703	11.5637889223
132.3225168177	1172.0456512329
4046.0154180809	4343.7769200553
12.8880997432	22.3669766096
137.2588114075	365.7354201506
1024.7261271283	788.937146251
6.0507627894	16.2871852016
62.0305338782	179.3393783814
0	0
67.6050523907	184.6137356398
27.5203141583	50.9682019925
0	0
95.5264970706	120.3880804627
9.1594189906	15.8698421722
89.0212413219	60.8167449895
79.5285585864	34.0568425877
0	0
0	0
9.0390550799	6.6489964173
5.377955806	2.5020509733
6.3780899924	5.3650845642
0	0
0.0195076597	0
0	0
3.5168040408	0.566364802
5.0064121486	1.7468949413
11.6462566005	4.4331773232
2.7871289814	2.9175513564
9.5836588873	2.1497403528
1.6641922567	1.3065505063
2.8272807219	3.6994774732
0.6539895611	1.1409878193
10.6339998942	12.0592472664
0	0.7671571535
0	1.0122116951

gene_expression_table

22.7643944402	29.7870543131
0.3455819111	0.3014610435
2.4555255065	3.8556459819
8.8507355564	3.0883005057
0.6703306772	0.5613587859
0	0.0505131017
0	0
0	0
1.6187586969	1.3932619197
7.5843190188	8.2445783745
11.9810939238	7.5250461092
0	0
8.1894265158	3.6739915005
0.8267719884	0.5769735935
5.838616715	4.8894656057
0.8324706379	0
1.6757156422	2.631194938
2.0914369105	2.7366308824
31.2696084059	27.0401844481
2.6723644279	1.3987082251
0	0.2648747208
5.9853682536	7.4402227231
50.3947428006	36.267646814
0	0
3.7634111201	2.4804373559
162.0221933192	81.8777664513
0.7045466003	0.327784677
8.2620219375	6.9189114595
1.8771822076	3.7267697616
13.1229831998	20.306968545
71.5183906928	29.9460239074
0	0
0	0
2.2886644331	3.8332182347
18.7175350996	8.0678760449
0	0
0.3178393463	0
1.0253645865	1.5333514781
2.6933410081	1.1747394248
3.2983572373	3.8363358838
50.4372782932	31.3484958775
397.9687296473	203.6669492306
84.9061819009	54.315143849
15.595236135	12.7952763777
0	1.3490155653
0	3.0064573453
18.6309228768	26.0036640684
0	0
32.761258446	11.7322625627

gene_expression_table

11.8517194858	3.3835404714
0	0
14.0933179539	3.6882020161
2.7282221261	1.2981309013
102.112181528	30.1099922519
0	0
0	0
3.9011839634	6.1256070172
68.0591338106	72.6408683825
4.0673691059	1.7030798834
0	0
0	0
25.8708453314	44.4909687409
850.6145830544	984.1469708203
0	0
79.6991122863	113.9293707625
194.4031432111	41.3359671222
6.8014547898	0
68.6612716142	33.4947929297
7.5938727817	17.4882937825
710.9900511296	845.1771693349
7.4598609089	8.0320541677
0	0
0	0.7031955479
0	0
115.9103612687	166.1047532739
1323.31418134	733.3613147854
1.7593283696	1.8416553039
4425.5363964787	6756.7403683358
2.9788444087	3.1182380159
23.5210662809	31.187516294
90.2991013926	210.5320745338
19.751715237	46.520971553
44.6183351358	33.7322764324
0	2.2050484369
1228.2061578056	455.1077808072
301.328162484	143.3766684204
19.1244451076	5.004841105
24.0571722411	28.5406383301
32.9736392657	15.6893750144
17.7402350948	11.1422285749
0	0
0	0
0.2134115075	0.89359199
188.3881944731	128.0690893017
11.4549684017	18.933155052
0.5194524866	0.7250133582
380.3539758478	209.0300410996
45.660025297	48.3589781627

gene_expression_table

16.7693106127	17.5540225267
25.7242509061	7.6500014181
41.560564584	30.4537600052
0	2.665416479
0.2767689042	0.2897201734
0	0
1.0445120679	1.64008427
4.6617556425	5.4221114228
0	1.0974533355
5.9883303753	5.6416963023
14.9532908131	3.6122360641
0.3052271971	0.9585304759
0	0
0.8624140292	1.2036937114
1.7547502626	0.3673725933
329.35037932	503.0136632223
0	0
2.8754057772	2.0066393486
3.672451492	8.8192813177
19.2526355912	9.3016400845
0.4024899073	0.0601891759
7.7840065759	8.1482554613
5.160631101	7.0902829972
0	0.0456527339
0	0
1.1657140632	0.4745467605
7.510606313	7.0487448496
0	0

gene_expression_table

C2_U937_2H_R1_001 trimmed (GE) - TPM	C3_U937_24H_R1_001 trimmed (GE) - TPM
2.317960909	0.272754654
4.2696213865	2.7004360431
5.0333842936	0.3948525006
3.0770405124	0.3620756145
19.2006757283	7.9830194205
0	4.4531798217
0	0.6572125869
0	6.5249800596
503.8133358894	148.2093934402
2.6826642371	18.68762405
4.4563219412	0.2621878878
1.6781833004	1.5797757546
0	0
90.5055176096	97.7980883318
207.5707851562	52.1063928572
0	1.429261817
62.0162345823	52.4504614832
1.6637830476	14.2917567979
1.2433946788	3.2188278289
31.0090502215	22.6227927068
30.971658556	15.4454738624
18.6668341927	17.0230915417
0	0
39.0260023617	29.6852473633
0	1.0476161203
825.4612797877	404.4953115494
38.2866658825	46.3868244143
360.2452657627	94.853073916
0	0
11.2666352765	1.9886188731
18.8576838393	8.9768039042
0	0
16.875048565	13.4889865554
0	9.796840573
0	4.4231774962
0	0
8.6362737092	10.3470797793
1.2337498068	1.5243421511
0	2.1526874889
13.6977885583	42.229682046
23.0976813657	21.3549764869
15.5207866009	15.6419986296
0	0
0	0
0	0
0	0.0833082987
0	0.1685335333
24.5031784844	4.8054851031

gene_expression_table

10.2569831737	4.9082229432
1.8964746965	2.8173739941
0.8223452857	0.1935308771
75.2152151576	41.356349625
4.9417824058	1.1629998981
0	0
0	0.7538807219
11.7643101246	24.4560966298
49.1309494018	13.4895668267
0	0
0	0.1163437672
60.1551442741	75.2086466212
24.9791118583	20.8102028069
0.2310561127	0.2990723132
0	0.2362796707
52.2132615483	44.6831916641
2.5591860107	1.1041786505
9.5643851017	11.0132538077
27.703381558	26.6900974064
0.5961420912	1.3678877498
11.0026087834	12.0279752907
0	0
684.3111185403	1169.8411056115
0	0.1436938737
52.2575448838	9.8386394842
1.4178165883	8.6753990199
4.1785051372	2.3881845238
13.94791779	6.838552721
0	0
4.1603530889	4.6507164117
33.3323730644	38.8486862064
35.516730689	33.8739751229
30.0239701761	70.4506426353
0	0.604248659
0.3926284809	0.3834651974
28.519539696	18.7930210808
6.0293932684	3.1739859405
0.5745370248	0
0.7079992709	0.0833103334
143.1227312691	116.4453094268
1.3222606978	3.5785821189
1.0196233666	2.30839917
583.1737519224	1027.3206583815
0	0.2327726022
0	0
4.7912543853	11.9603449551
0	0.4410138379
3.1705187331	4.7877984581
0.2521146508	0.4449952807

gene_expression_table

1.7849985081	1.6278171591
5.9381110345	6.725353463
10.0978916254	6.8322635752
9.7377905479	27.5690698768
7.4866404585	7.1190575428
3.1145486644	9.7852616897
20.8525133594	17.282702286
1.4363372242	1.0985904885
0	0
1.1731220845	1.6871723466
1.0177038987	1.3172863318
44.8997214174	33.1794629622
21.2795156027	12.162102993
0	0.2076482103
8.4572604368	7.9613323441
9.6415300672	6.2398580722
0.7441551128	1.1237481944
0.7243419684	0.2414945767
93.8884843095	69.5888558569
0.932801086	0
502.403385925	233.5571336487
4.0625226946	6.8291055042
1.3624655724	1.0785260366
12.4529881986	5.2579996436
0	0.8172836531
0	0.5079762204
5.6494367856	2.8806686962
22.3292392374	15.6335265205
0.5500637623	0.1941781468
14.4735644501	68.4338771326
6.6395347348	13.2816683294
1.0432044103	3.7439954816
158.1919376539	256.6136069586
1.8910695859	27.7596589647
15.0726216454	9.686566318
22.632151895	4.4385453443
34.284163391	32.8654486464
0.5482049182	0.7498975785
1.5321366921	3.4705180649
28.0070146348	28.0124959154
2.4499618998	2.2522439194
0.1577973359	0.0612744849
0.2839257761	0.8352392455
0	0
22.6806280186	14.6785726785
0	0
0	0.4440163143
1.2630614443	0.5944981832
0	0.5428397113

gene_expression_table

0.8603922485	0.658075781
0	0.3390926858
0	0.2607747191
0	0.9809989434
2.1768744478	4.6961383033
0	0
0	0
0	0
1005.7537597494	1060.8974781532
3.9654825672	2.1120634328
1.127996737	1.9909720559
1.3018620384	3.9829455888
0	1.39094029
0	1.5794100023
0.9145515512	1.5281380769
17.3879470017	8.4764563094
19.9030229137	13.1151460779
0	0
6.7966767964	8.0420866897
0	0.9431586689
11.7750625153	39.0269613164
0.3281068983	1.2354677175
1.4856690446	0.1748188008
23.9863737853	14.5614237363
0.3667439716	0.2589287629
0	0
0	0
110.6786296524	75.8674261034
0.543813284	2.8795749578
1.8853239772	0.0633846372
0	0
13.5526452712	4.8567109309
1.844219657	0.8680379252
4.4104723074	3.6830884507
14.53562187	20.018106587
113.0372022581	18.089491981
1.2837013483	4.8337038412
55.2781738158	94.4369717032
4.7443877291	2.0097810033
16.4473443154	17.5421064965
67.6619458449	86.4719282365
0	0
0	0
0.3270601592	0.788946524
3.7121511314	1.7472365365
0	0.3287488146
5.4131204756	1.2739246783
4.475069108	21.9409065108
0	0.0654036916

gene_expression_table

5.0259662154	10.6453055693
8.5545994237	6.2913776859
5.8055798412	7.2868593656
20.3340511637	9.3189738471
126.4869877557	299.30259704
0	0.8161494332
28.2595760634	26.8039871716
0.9375200369	0.5761054305
1.2050252994	2.0205848458
0.4015467751	2.5042522585
0	0.0310522402
6.0548951628	10.1690330167
0	5.417092298
0	0.1976218475
0	0
74.7742901331	41.0041839775
2.4552670179	1.8890365697
0	0.1134595126
25.2777502918	8.1796962258
0	0
0	0
3.0078040278	4.5656783149
0.4120786442	0.4848932853
54.1596499507	17.4118659395
0	2.4012202226
0.8621964485	0.7609104616
0	0.1216691336
9.0687920369	5.2467004613
0	7.3156746942
1447.1797620226	2100.2404183255
7.2362191444	10.0961972138
52.9877813189	27.9423805875
97.6207456016	76.5802753368
29.6962583143	21.8397574989
4.0971971543	13.210020373
35.6745856788	30.3610602453
3.6119508617	1.4875649601
134.8558276207	101.5583777042
85.080111402	45.8055095568
0	0
0	0
0	0
0	0.1510565898
0	0.1165433784
1.2964470749	2.974784197
0.557393715	0.7870627808
0	0.0427009849
37.6665201779	30.1992114772
2.9263507659	3.7877833335

gene_expression_table

22.3721643835	12.6777317144
60.3488711952	77.8919096638
7.2454565137	6.5600792306
24.0918053084	13.134965989
0	0.1673379609
1.9505404413	3.1477063801
5.7783422262	9.0334621739
0	0.2147925993
8.5664498689	11.340167317
0	8.8955843438
9.8216714359	4.127560355
0	1.4936649703
590.1689665055	441.9242014345
1.5097138172	1.4211852092
2.3942067891	2.5355386182
21.4184983076	9.4511868279
545.5749804797	152.0475479721
0	0
0	0
2.5963778178	3.25883728
579.4233011073	333.3282983934
1.0740795964	0.2527740719
541.7485895381	91.6917560799
0	0
2.9711477409	3.9040364357
2981.8337863946	1308.3841602446
12.3789618935	11.201009185
3.8164763205	6.0230235313
0	3.0490736243
3.3306056492	3.2920662208
14.695695892	1.7292437649
10.5436974255	6.4101684163
5.8067428179	3.8719195075
27.0322852759	8.461170777
0	0
0	0.3145601813
1.7155676377	0.2018709874
0.782192184	1.5340103287
4.0666751048	4.3067339977
14.5652425159	7.2364383996
1.5028260439	0.5305129989
3.3814243391	0
0	0
10.5659184827	16.3215208445
1.657978102	0.8779248988
14.1160263682	3.7128995372
53.3922122	36.9568592684
2.0927352084	1.7237662891
1.5076918352	2.3506854728

gene_expression_table

24.926938785	10.3203600862
19.1132293446	7.0684595008
43.1765783749	34.0985858565
0	0.0939534583
15.6657649897	8.9536176869
2.4497380288	3.4206957613
10.329499101	12.3005869951
44.8399538209	23.3963186363
968.6396277431	756.1043270592
3.3550069615	7.500895046
49.9349873334	16.3218170455
1.7729753293	2.0688760401
66.2486248625	47.3199386883
13.6255678548	5.3444056973
8.4735771718	5.6335389204
4.947053528	1.6493405736
35.5546748901	12.7569215034
0	0
3.6500153004	2.6745987264
69.6283100094	47.520380565
11.8012574753	15.0106987911
5.5499253584	3.5621464427
0.4280236572	0.6295697443
0	2.7710888993
103.5816912992	101.8991629385
6.335446639	4.1849240086
0	0
2.0762653879	1.0994144484
0.2809537255	1.1901545415
26.2115906527	11.6879497185
4.6165408739	4.164753756
0	0.2011815935
0	0
10.0545473975	13.6058734828
0	0
0	0
0	0.2661672514
74.961058972	57.4055159847
64.6529812151	35.1009734229
4.3868815893	4.4983554481
6.7681779522	6.7363187229
7.266148181	9.6493789822
42.4721760397	93.1390385435
0	0.1294594677
0	1.4896531613
0	0
94.4932805912	56.7297562814
0	0.0651022231
24.6644638346	28.3655775973

gene_expression_table

112.2139201048	78.2821695209
0	32.6851927217
0	3.3035673861
5.830686945	7.3183724857
1.7356081877	0.6807638687
8.9603153399	4.0668212142
1.6533915211	8.8846654819
38.894887093	20.1974612474
1.166536285	0.2745328445
18.5138434438	20.6694249288
4.1299256971	9.5573844772
0	0
5.6497120591	3.9888125434
7.076751844	4.5799708978
153.4140971472	157.9179403622
0	0.6442673311
0	0.1132109704
1.3053502419	2.5088109785
0	0
1.9793588256	2.6467195293
0	0.0718174384
0	0
36.7741961904	24.5209288698
0	0.0337052078
30.3372685998	26.7734170029
3.3752231417	7.2978662555
1.363953918	1.24384843
292.4865561258	55.2838675199
10.3403430259	15.8325757771
3.1123666419	4.4863474279
2.150071217	2.5299905994
11.8194740661	6.6758328096
26.4949112539	14.0294629055
10.9097704731	8.9862752289
6.6339993471	2.9388169716
2.6914283577	8.1437297137
2.2619915504	2.6616873494
1.9740711078	2.9578146976
121.7073180747	103.381958715
0	0
73.3917458176	29.9926392893
19.4141451658	11.879213245
20.0539442126	17.2205513877
0	0.3976489553
0	2.1401934596
8.7633428072	5.4014362346
68.1051633411	45.579285269
0	0.6281645168
24.4928264867	20.9605304831

gene_expression_table

11.1885364162	16.8519170044
0	0.6191729571
41.1583815476	9.2249718084
23.3204023709	22.867614147
2.9138781812	5.2574364363
0	0
17.2223844022	14.9653618205
10.7689273324	4.2239352666
92.6128372387	94.0095949166
0	0
29.7648673054	14.8853463085
40.474722216	23.3803502937
420.613206487	160.8541713673
1.9302449257	2.5438793169
3.5787569338	3.8689722675
30.9094798768	22.7148505344
17.6664062146	40.2768952544
105.2863997417	29.8463705279
0	0.7766241635
21.4452380059	33.5410283765
46.1425146982	27.3567983426
0	0
0.3449324426	0.1217646881
48.240391555	10.1255610816
410.0331691865	283.2222269555
1.1029831409	2.7763371425
0	0.0594591452
55.4307317148	120.0997912024
0	0
0	0.1740760584
20.0417168947	21.0433860304
0.6100012657	0
0	0
4.0941494052	5.8881643696
0	1.3798273973
18.2101205743	12.2444937782
63.4670930169	38.7368118688
62.4363801076	95.4177867317
4.3725204802	9.2898514701
7.4871388231	2.328389522
5.6284849123	8.2125732014
7.3995276569	8.3862450534
0	0.2723626244
5.0525099608	1.4268702473
12.3276601799	0.2901193609
2.2977040721	1.7574116973
0.2705612894	0.6685763607
2.4145788163	1.7899792551
0	0

gene_expression_table

254.471170927	218.4124618877
12.1989251228	3.0076064639
0	0.2897496879
1.8879201052	4.146832045
0	1.0497925076
0.0729849293	0.0515288564
2.789469761	1.9551516607
0	0.1010265256
0	0.6136585395
18.1443249556	23.7523671169
0	0.3067730929
64.1142201367	76.8802708727
272.3701325887	287.2886492597
13.0384463312	19.3971148187
4.5480913387	6.9572657473
0	0.2220442877
3.7389649024	6.5994646922
0.6929694875	1.4677519961
0	3.8508984772
8.0038980348	11.638196269
124.2754990228	22.7476796791
0	0.0554427227
0	0
0	0
0	0
86.4137354349	46.5601630779
12.3930141715	19.4438268558
62.1798411283	104.3593487319
0.3002476593	0.1059905016
69.1122204332	103.845012773
0.1905145177	2.062443049
8.3716207713	11.0412094215
0.3455971118	0.6709962773
5.4649121265	2.465050557
74.0415329427	14.7441857109
872.8712335552	361.6666233246
38.7465465625	30.7753382813
0	2.5830619661
0	0
2.5423518449	0.9722659513
13.3238003985	4.0763130392
0.7198459386	0.609871189
4.2293671614	12.0270247015
1.8092725492	4.151496418
9.1126250069	17.5139613311
48.8905233381	55.6658873784
6254.4872436041	12387.9239398958
0	1.2411292008
20.0916722558	6.3045033465

gene_expression_table	
0	0
0	0
0.8365369507	0.3937414918
2.6958095892	0.8848660743
0	4.6470481283
376.990095212	214.0874182671
0	0
0	0
1.6539575572	3.5031838338
76.9232909697	12.5716251149
0	0.5705706997
10.4618822149	17.8502330522
337.4023195255	392.4184427211
23.0618649019	39.87946745
79.1389253421	58.4134175965
6.1825951684	10.9125973593
12.3441968049	38.8555164378
0.6841862311	0.6843201339
0.5429785724	0.7940904373
0.7086171528	0.2668257269
0	0.3185852824
1.8331864125	1.5818821223
6.2777637326	9.8247762809
8.5141683454	20.8569640377
610.6443965656	544.954786382
3.0949455634	4.3701900399
1.9737350728	6.8513623479
0	0.0932331099
3.4970756602	4.8008471636
4.2115811481	4.9557710598
4.6302291409	2.8604071141
0	0
8.362683047	5.9042256819
0	0.0447338452
9.2665013077	10.376291783
21.0225154809	18.1742778741
0	0
8.2673112719	9.2417444845
0	0.009601
0.0904865011	0.0319426625
0	0.006048
0	0.0291957599
0.3351115427	0.6090146503
81.2924453056	25.2534185347
11.9561888972	12.6008027831
0	0.0393016739
2.575209472	2.6308089441
2.3546913886	2.5596612445
5.3832037356	4.8648348199

gene_expression_table

0	0.0274602465
26.2733321718	33.5026885343
170.9154489803	122.010586746
13.9905305934	20.347858948
1.4961359577	0.7042017732
5.41160462	2.5471358732
13.4427571454	14.5801650365
29.2858484717	37.0077763091
2.0781153659	3.8426458547
0	0.3403615553
20.8917190249	5.2948653158
16.0898271193	16.2507503505
0	0.2620519217
1.2346957223	0.3632168723
3.5732365583	2.9066793091
0	0
6.5253554273	7.0385252571
35.45300125	41.0222832888
36.2783925384	39.0020535632
7.4338437884	3.0218326159
0	0.1854784105
16.9207689693	10.9819860921
2.0290676289	2.3279154368
0	0.2691071658
10.9321060842	16.4473106348
12.2464132434	28.2031423554
40.2406219273	57.836076181
1.9763254971	2.2867848011
1.3933838127	1.9675150775
40.4460974291	51.3644739979
4.4188914816	2.6724107904
0	0.236293311
1.3465849138	4.4366772644
11.5217410035	7.0330269308
0	3.861209791
0	0
0	0
82.698932959	71.1404413181
0	0
1.2968298772	1.6633190734
0	0.1340175128
0	0
0	0
0	0.005446
3.21685872	2.1679332894
2.5565903157	3.2590371266
133.7560404017	195.7120937478
0.0828812466	0.2145581508
0.3141331008	0

gene_expression_table

0.4008627197	0.2240553613
4.3546972752	14.3476925934
0.0458538741	0.005396
0.2321302114	1.748146009
123.4216611642	65.2803186955
0.248132922	0.3601064675
1.1904663401	2.2132999262
1.9059907385	1.1534301753
7.4732305692	4.1770344144
2.8007014635	0.4394117006
10.3881475814	10.4920451723
0	0
0	0
0	0.489554643
1.6480053298	2.09434599
0	1.1198441597
2.9623947134	4.987450267
0	0.1353759853
8.6936941315	25.8669750957
0.1660009973	0.2812802578
0	0
0	0.3451447226
2.4260293571	2.1053491957
1.0528188046	0.4955411072
0	0.2767593611
342.4179611734	191.2128236993
30.5579381689	57.5320822462
0.5842114999	0.3265350263
0	0
4.1883051795	6.3083292263
0	0.003885
1.9046444567	2.8014959066
34.613645701	47.305577396
2.0135075538	1.8006649773
1.3624393752	1.1222284867
0.6288181732	2.145799524
0	0
105.218863804	59.252466988
0.0439246333	0.1111252285
0	1.3005179015
0	0.0197037922
0	0
0	0
0	3.1755744076
9.7964002286	6.306183576
12.2828414423	12.1985259506
23.8926875439	16.3575536979
0	0.1172464363
0.2769608593	0.1833187921

gene_expression_table

36.5857688474	43.4862386596
0.0694983137	0.0817787238
4.438301462	2.8537521984
6.049125913	10.0363962456
1.3538625127	1.8661924914
0	0.7079685188
33.2622812071	16.6183546177
0.9959460973	0.820351424
0	0
1.244756206	0
0	0
0	0.003312
0.1203859865	0.5666331641
0.3685625484	0.5637942166
25.2757665821	13.0864868989
142.7655620662	104.1001814455
0.3849953202	4.6208480163
6.3330468486	5.1100124737
2.0536056724	2.2231611514
0	0
0	0.9291353577
41.7511977427	30.6469318058
3.472879881	16.1418356107
0	0
7.5302214698	3.6213777514
0	0.005307
2.7315916297	1.1938702863
0	0
10.6338682186	11.6786895191
27.8830897913	16.8424949413
1.6817370201	1.967260762
8.5023250334	13.8954069147
1.9056524237	1.3155312432
5.8996637031	4.85949745
3.0412597203	3.9365181424
7.1546982962	0
2.3851937914	0.4209989294
0	0
0	0
2.7781541257	0.4903584425
0.7705791227	0.1208988131
1.4904529316	0.76729503
1.5068884749	1.6155429796
8.6021990198	3.2053680143
5.9615574471	2.6359279839
0.524978168	0.2007662311
7.7451164675	6.5618532186
0.1712739528	0.5239993293
0	0.0349527429

gene_expression_table

0	0
0	6.5784635027
0	0
3.3496875536	1.9012327764
0.4332389526	0.6117511654
120.1341801671	140.7044926608
0	0.1282415743
1199.9850141786	1469.7461493781
0	0.2648363531
8.7160797596	7.3692828099
20.6061691623	12.3440782129
4.6736684505	4.3537784136
33.6144651417	17.3219982575
0	0.1308966642
0.0677090505	0.1354446038
57.4849074616	14.4615082725
19.0080394407	7.1760072709
3.0385423715	1.2939743172
3.0476013402	2.5102805323
0	0
0.2141232795	0.1007836168
0	0
13.3060638729	2.9574817813
1.8612398832	2.7254858118
0.2520680137	0.2561620095
0	0
1.0453346369	0.4612673031
4.3605249037	3.8285402327
2.9861783816	1.1043492741
7.2759187116	5.5875572348
5.5470578386	0.7832673118
1.2958385367	1.2960921466
6.4474467702	4.33526629
14.5234030498	10.6810628231
0.4410377332	0.648711837
5.8712621826	3.750447523
4.2161336218	1.2853831531
0	4.0848748287
0	0
0	0
0	0
0	5.5132783809
2.329135844	1.370348048
0	0
87.5087098779	9.4390607768
0	0.006592
0.7361582102	0.8200386227
9.715857264	7.794993661
0	0.8637570306

gene_expression_table

24.8147353778	15.1150455827
62.9804502775	66.6982336699
0	0
2.1518497182	1.2660416817
0	0
3.9314088288	1.9275383572
14.2127854334	12.4428022019
5.0983359974	6.4728385669
0	0
9.359786938	42.5861872604
12.7294129917	11.2340331862
0	0.960137842
42.6009150687	76.4460119029
0	0
11.965409443	7.2054972654
2.1710864058	5.1094383795
0	4.4809949109
0	0
15.5318088774	16.4005677415
0	0.1366313496
14.2059593958	25.8171870913
0	0.3821774035
0	0
24.7741655531	48.9749926326
6.7027409835	8.1828879564
1.8714739587	0.6606494918
0.2686393474	0.7270487332
78.7804325236	50.6765471298
3.3181387531	3.6701892475
176.6809421434	113.4932851335
0	4.4034770542
2.0173470768	0.6330170647
4.8894387956	6.197988149
10.1331912247	19.3760687089
2.1247295384	4.4503044247
11.2932710555	15.4633326516
0	0
0	0
0	0.5067122226
43.0854275463	11.5882648304
401.6570922081	327.6429157402
13.4378431682	6.7561736448
0	0
0	0
7.1994784659	4.6528811428
0	0
1.7185782977	0.4044505041
22.5268743857	8.1415560936
0	0.2920319629

gene_expression_table

0	0.083069904
0.9345152134	0.6158011066
52.602742997	36.0488669177
3.4427492514	7.5350198184
36.9440945	29.3436991578
0	0.8524669356
0	0.2762001155
18.6705040604	9.6564045902
1.3081410095	2.0010778061
0.1308163148	0.3001667507
2.7744757427	1.8862872468
2.2894469462	6.5104858301
2.3342803521	5.8466528113
0	0.2118460547
26.3305115333	15.4915674729
22.4517576129	13.4496737266
12.7050907718	10.6519397937
0	2.3819366803
5.0603970388	4.9365334551
37.0365334077	11.7829894383
0	0.0797534009
41.9733474899	87.9875005974
72.8122469541	142.9444565687
20.6885610827	24.3442471312
0.273911116	0.0322311439
7.4521568911	7.2343913789
5.4946943696	4.1622373779
1.2393411566	2.5034729815
0	0.0727700706
26.2947953995	33.3876139347
4.8338571368	1.9501727095
0.2069971518	0.3897179547
0	0.1539994278
0	0.1449641227
9.0138337395	4.2426342804
0	2.9072519294
2.8076719913	2.2264671609
28.4594664064	45.4628742748
1.1071868969	1.1399742792
20.1576009889	6.745223128
0.3338185635	0.1276614895
0	0
1.5885461235	1.8692435523
0	0.3158600619
20.8177717277	22.8865332443
3.4615858406	2.8934127468
20.9221670851	16.2865023833
0	8.0867156185
0	0.3361178006

gene_expression_table

0.4797507534	1.6935693385
0	0.8064772108
0	17.3805519805
0	13.2206718069
0	0.1253904357
0	5.0894260313
0	1.4253200143
17.0652060499	52.918398356
0.4648679619	2.2099224994
7.6412969941	4.7954776344
4.0994569576	3.4972799625
0	2.8967586634
6.5974138311	10.9281721104
0	0
0.2810872204	1.124568929
5.1145564519	22.1473545069
0	0.5566598656
0	0.1766118102
1.2683254093	2.238659355
4.2931822872	3.2475800497
2.108777837	1.612910419
0	0.6829720831
7.2744579771	5.649508119
13.6603487969	6.8583013784
24.3385895441	75.6075901016
19.0175564232	9.6578627008
2.0361226528	0
43.3578304958	25.2094847916
358.6452517778	225.0763561383
21.9814560751	41.2925792655
7.8032869364	15.2652982159
7.5164683384	2.6533903743
78.1080080045	635.2586239109
0	0.0579447692
0	0
0	0
4.365374225	2.8844767973
4.421148501	10.0145605931
5.657752686	6.1581711443
0.6834522469	0.455724004
0.8901217591	2.2344683062
1.5415168091	3.9905890611
52.3708403741	0
4.0549420549	12.9425681823
0	0.5683859902
0	0.4583663678
0.0794897808	0.4302641811
0.5247180238	1.6670775712
0	0.6282913499

gene_expression_table

0	0.1179053128
0.4377384669	2.4466642957
0.9279412306	1.0919092222
0	20.2773106439
13.7445519901	11.7833502428
0.650996803	0.3064113931
0	0
48.8001012577	0
0	0
144.7553565396	361.9592168849
108.5665174047	374.734248069
0	0
48.8001012577	0
8.6931354467	65.4670064103
88.44320411	31.2213576766
0	0
31.8366393707	46.827750222
54.8111348	40.0798486463
0	1.6541868701
0.5487127532	0.2259847645
1.2382161913	1.2238884236
103.6038267107	48.122648507
323.5331177632	183.5571786201
0	2.3251079251
247.09438591	291.429217276
0	3.1568101121
0	1.4956953853
39.5739227797	37.7039796041
10.3471584777	16.6876108136
2.2339663626	3.9430651313
7.6360130784	5.5034980731
3.3439764835	8.263205843
0	1.375891508
0	0
510.3128553261	419.0249627117
389.0734473073	160.692858922
2.2747594873	5.9779887743
8.1056037546	3.5608050681
0	0.5576153876
2.0170863755	11.3928346812
7.5293540474	13.2306304937
41.2797927026	61.0644151568
0	0.5010184087
0	2.9298516803
7.7800110192	8.9050705974
0	3.499026463
106.2388130734	103.7593791726
35.6259294353	2.6200663104
0	0

gene_expression_table

3.141342356	3.1624928189
5.777577164	0.4079087929
0	4.4004945347
12.3837488613	4.3715902931
0	0
108.4649584549	41.4800123856
3.1752941338	0.7472742526
47.2218314887	58.0174084036
7.8748329658	10.8107096275
107.3602227669	72.9516256511
3.7339078539	15.3779237325
4.8421047602	7.5969449621
14.4647006722	57.5297137848
0	0
521.4122117516	425.6476663353
4.4274597525	8.5761250549
0	0.5718793151
0	0.7353979605
3.5516666273	4.048647557
0	0
158.2520831613	102.684469186
2.3110308656	1.9035743668
1.8211223765	2.1429162237
0	0
0	0
4.9525474367	2.1562366832
30.7041329124	49.1763712545
486.3204792885	391.0400384237
0	0.2488460879
0	0
0	0.1214395488
1108.1036225091	51.5831126832
0	0
16.6224970123	1.0478414003
3587.3866280603	5299.4374947937
0	1.065750141
2923.4561574279	3496.1546950787
0	0
0	0.9629284568
0	0.3617492127
2.5271139137	1.6355113808
0	1.8736244582
117.5953758502	45.5713607337
144.9816074877	167.045812577
209.1206589984	96.4604021109
0	0.6808395755
7.942803164	14.4867698467
3.5952886839	3.9998203361
12.3725767463	12.4411746565

gene_expression_table

8.7960127893	6.4171708761
59.5526659416	76.0821579835
5.7806880341	26.1882407135
870.5822218433	778.4325853636
14.9838148744	44.0786687402
10099.4139205853	6929.606111322
4.7558593775	3.6515359692
138.5142752466	72.6663141635
0	0
123.3762934542	225.9921775304
9.0339929168	7.3969219693
379.1471797081	221.0122811204
2.2499522759	3.794779706
24.0590620288	26.3285961247
1.7880677388	1.6832166431
0	0
49.8953170357	39.291784095
0	0
42.8880263272	28.0533680873
0	0.078949023
63.6288613084	30.5833633427
6.3968355174	37.6358085201
24.3744041598	47.8023029385
250.9719493252	163.4097928268
1.5846527346	3.7293243965
654.2263574858	1359.5372270846
43.3027584189	13.665041505
12.1555164788	8.0099075886
0	0.7446314594
2.2569156319	0.9295000792
114.2189592931	149.6205434109
9.9663950996	8.9910568451
2.2297034843	8.6581900514
0	3.8771620644
85.7452694311	143.1469523094
1980.5839046311	2330.5547372588
197.1419545835	209.3593353309
0	1.8178717318
5.4497575009	17.6350190769
0	4.5167953999
75.1793040188	48.2126347083
7.4219261058	6.7683746591
4.6683995888	16.4799291034
60.345225585	65.2599882975
14.4999738121	22.8206006316
1.555694743	1.4644698443
50.2617705377	55.7089538408
230.5566606057	228.7520361552
16.9351081677	10.6280298381

gene_expression_table

2.2046767993	2.7040015545
52.3599252344	36.4932424782
18.9388788092	34.8881693777
30.748463825	18.13554037
1.5848260106	1.326126999
0	0.4416133673
7.1073336146	12.5448081139
22.5757477781	23.0583343234
7.3949866442	10.1860923941
268.5578448116	247.4794655519
5.2139110992	5.8898050096
102.1127614163	87.7140053935
0	7.0591450104
19.4779772989	16.5970619235
1.3764621317	3.2393682835
10.1251388966	7.0294130513
10.7003544286	8.6458996578
0	4.9758327151
14.9573065774	30.3604746525
5.028343964	6.6699110183
2.3667899691	1.3925018682
45.0462473148	107.5263697007
77.4174548148	39.3725116584
3.9919107825	0.2348642378
0.7376174701	0.5641708111
5.7263412822	25.1150739675
2.0471228917	3.661453853
143.9109353212	49.9553348006
13.4405620379	0
0	0.634044567
1.0989388739	0.2586244584
2.9070838809	1.0262304103
126.739151038	36.9445752028
2.2761884686	10.1778929246
190.0324669248	197.2366892257
549.3621145644	334.870847403
4.0576483498	3.2058285106
9.1017521185	4.9266180923
0	0.0688024554
0	0
0	0.1103808335
0.3448893507	0.1420410556
12.2161508579	2.2215530351
0	0
0	0
0	0.5420633017
0	0
0	0.0503109773
3.8634226505	0

gene_expression_table

0	0
61.9146398766	27.885882576
0.3255367838	0.9959544551
14.3567160256	9.1472445509
0.5531576791	0.0325450552
265.5505822342	78.1183980594
0	0
14.2513570045	1.2577187781
0	0.108937221
2.3165715773	0.8177735138
1146.0804845666	1100.2813436949
0	0
44.7127258169	27.8851559906
4.7692102907	9.5402873552
1.6963518344	0
23.0560828372	17.1824042413
8.6628878038	18.3485291849
60.2236416815	33.524695283
14.0600531835	16.9580882502
8.5093967847	17.4512535192
0	0
0	0.0591821448
0	0
7.5884408045	5.1515334474
1.2258065397	0.1442407581
0	0.211971123
11.2137544471	8.4727293527
0	0.2634637413
21.4449302737	31.7603710265
0	0
0	0.6758673059
28.5299419598	21.6238065836
0	0
47.4269804358	32.0567901971
13.1015865071	36.9999547246
0	1.3481569286
36.2761814659	49.3069318371
3.0826033016	8.3427943321
23.0974184439	31.5273518595
26.1185704884	32.0996879071
0	0
123.7679987477	177.8385826483
83.1281077092	76.5273502667
84.4054995963	17.4992419673
0	1.5230780648
0	0.1701807776
15.144859011	29.2263879568
42.5809363761	36.0214492918
6.1290326984	0.7212037903

gene_expression_table

9.3336675369	17.4506624322
16.3908737049	29.8950899382
0	0
0	0
1.230411314	2.5336955392
2.6181872508	2.1565761896
5.8560121509	13.4370100728
90.5084174269	30.4289515694
0.9768555403	1.0115307237
0	0.1101882808
0	0.1287574796
0	1.7242175287
8.3358319378	11.4902856276
6.0383835324	4.4408568459
0.2153269498	0.1773627813
9.7104008532	11.9639420678
0	0
87.2004342613	233.5700860624
25.9770976847	29.6939219295
27.2778483191	20.8381390095
7.5807108939	10.298809672
0	0
11.4071424934	13.5570220547
24.2676814573	14.9632397605
1.5907759732	3.4244162771
0	0.1033956895
126.7499467663	56.9953722028
12.0620244166	22.9121935273
7.7332502893	8.5472389575
0	0.1922067673
60.6418125165	80.7229133987
6.0910547097	4.3818566528
0	0
62.2846157006	36.7429001759
3.4438945167	0.8104867117
0	0.8854171432
2.97145231	1.4860169279
0.2460937532	0.6660310682
3.3706900331	1.6658433882
0	0.135049029
0.8759332834	0.5153557136
0	0.9727920885
23.6341297571	11.1241201017
6.1864494594	4.8275243787
0.4691178351	1.1040226979
1.2596611824	1.1561506063
3.5600497578	0.6283670292
0	0
0	0

gene_expression_table

3.0913149352	0.4850070493
19.3566402928	18.4656188749
17.1750911848	12.8417353538
0	0
4.5919684674	4.7549683602
9.1028239469	4.284520221
0.1339702497	0.1103500334
0	0.4071135858
58.6935158635	135.5394918272
2.4312562242	4.9206813202
0	0
0	0.1116528133
138.2634052909	130.1557317261
0	0
0	0.0702597111
3.2246135184	2.2450232094
10.0128705171	5.4379168213
14.8275347503	6.5092866796
0	0.8887267655
6.8584181412	2.9346568595
0.3467811166	0.40805763
282.3608812864	132.7211410963
51.5427245899	50.4697697973
1.6865174817	5.2731704976
0	0.0268838645
0.9572074393	1.1090183823
0	0.0178376036
0	0
0.1001842477	0.2416681206
0	0
0	0.9248609228
14.0832184441	5.7777129868
44.108051579	36.9801615962
2.6683987309	2.2851545525
3.5694749823	3.0451480431
0	0
0	0
24.5010651212	13.944511114
13.2097445196	6.4567041614
6.0349389468	5.5390278113
54.5722534133	80.9006453764
0	0.1347901968
4.3209950329	3.2201950307
0.5237692364	0.2993552822
0.5868995079	0.1381210284
1.0526658731	3.9947198231
3.3832002973	4.2994957893
338.3084731084	213.6081217644
0	0.004637

gene_expression_table

0	0.0600023893
151.9808169819	744.344242923
0	0.1210398533
3.7101318504	6.6940967193
36.7075187495	21.5968840085
0.9441489202	1.1109808241
50.4171140009	9.4360817038
1.8042387215	0.0424609843
1.4240505095	1.9921990284
0	0
0	0.0400666419
7.7551284565	9.0978132139
5.465169711	2.7009653035
200.2060570215	137.3843285887
0	0.0544185188
0.158463974	0.4475152579
15.2430815848	8.5696834955
1.3574964326	4.7545164529
24.299673191	6.3187985096
3.2539055502	2.7419673902
6.4202126572	3.4990048692
13.3739345529	17.2525463431
0.4302088936	0.4218559708
39.458976058	24.9455026991
0	0
20.0750115835	16.162614631
10.6223796751	7.4639053635
3.388985067	5.3835591101
0	0.7917672531
0.1200322993	1.384172649
10.0962210118	5.9401158549
26.9460935599	4.7561236247
0	0
5.9662982705	21.0616444963
21.0338395625	10.8045611727
25.6820411737	13.4936168176
30.7017616492	13.54754573
1.7454581672	2.3448487141
0	0
8.6481192102	3.0165309857
0.4124040227	1.0676075485
0	0.0164188073
0.6966642789	0.9837185276
4.0126329107	5.6660022029
2.1025194282	1.9654844494
7.8271888608	8.4619260807
6.6334089685	4.2207723361
13.6650142839	7.6788454994
1.3239819196	0.8568618477

gene_expression_table

0.6346260798	0.3733825194
12.5368950074	2.7660327829
4.981087386	2.3026338082
0	0
0	1.6013771484
7.3408699328	18.6951168603
0	0
0	2.7912711343
19.5447181775	6.4203549053
0	0.2217411556
1.5143756969	0.636416839
9.1130106566	7.6300313212
0	0
0	0.1360753726
92.9874976704	27.2796724173
12.3297576125	22.6331603098
0	0
0	0
155.07587733	271.9121452258
64.9596737878	36.0351054559
0	0
127.4577232461	61.9768680669
16.9185402829	14.1726430721
0	0.1138410275
4.81481672	13.4355630151
31.691610948	10.3587625309
5.1465658468	19.924135828
1.0888460727	12.1718378028
10.7280755541	12.6237354781
12.1595493123	16.9096340008
0	0.348192099
0	1.9887167486
122.8690240211	135.0377978402
2.8306489085	0.4996240407
9.5032407662	21.8058191494
5.1073791981	8.1617740473
7.4075590686	7.6705032378
7.2560500095	11.1772801513
6.5730748633	19.3363567243
628.1380926517	245.5054435575
0	0.7906081735
0	0
0	0
0	0.071272255
74.6811279079	26.0185866612
5.6218884833	2.4256029896
7.8703052481	15.8526439863
0	0
0.0995248523	0.0117110977

gene_expression_table

43.5244146352	15.3645645323
8.0787213698	3.295495907
2.7965269378	5.7257755211
0.4253387353	1.2011914694
121.3202174899	35.68940035
0	0.0663163811
0.684355836	1.2884513355
0	0.4020549081
9.6125089449	6.9606445021
4.2655924638	2.2085035369
129.0869989983	78.5002557476
43.7912932107	39.1016083779
7.050859889	9.8639171336
0	0.0625778951
15.2439165934	34.2307852838
5.0613192908	4.8496077523
1.1599775965	0.0454982203
10.3120811622	14.925108471
1.5549913482	3.0234599438
18.8549175379	4.4373194476
1.1818751207	0.2503284198
42.1119667606	29.0622742517
7.8784447222	12.1676263992
50.0988279773	72.6759399509
15.8011775127	0
0.4380857839	0.0515495908
0	1.3503298995
10.3054821342	26.071909312
0	0.253436116
12.6970040066	10.2093930773
5.8715807362	9.0969737188
0.3980727578	1.0148938519
24.4455071504	18.5665314411
0	0
0	0
0	0
0	0.1190303366
0	0
0	1.8162584271
139.9590084957	162.6312588374
3.2644413828	3.4571438152
0	0
0	0.2349491709
2.371603301	5.3421350971
3.9960380682	2.0219207751
62.3549559496	9.1716411029
5.5611050642	14.3962653575
5.5330180316	3.9845526509
3.8514676121	1.6219879523

gene_expression_table

28.1021805785	41.6785990173
17.2165698464	9.9804146568
4.5439028348	2.8961910611
114.5769812379	95.3871519857
1.0456410124	0.4921626616
18.5144757369	1.5082614752
7.4379436238	5.0637928084
3.8652772418	4.4573094643
7.0513172656	4.0380149166
0.3448216566	0.0405751932
9.7872069375	4.8945612007
0	0.0833151664
0	0
10.368701428	4.4329790037
0	0.1008227166
33.0505946883	26.1123019074
4.2443414019	2.6220180409
0	0.002841
0	0.003584
1.3241309575	0.4006558299
0	0
10.6313382184	2.6745313228
0	0.0229030835
7.7025150855	4.0332823951
0	0
16.8345626599	13.9538644977
7.745426893	7.0809160052
32.2504702261	24.919945308
11.3552918457	8.4563602916
0	0.0166865203
0	0
27.3190883167	78.7586654804
0	1.3948251532
0	0.0976323709
6.0024351912	1.6245062174
6.5412715622	4.1202229083
9.5517070806	12.8743383239
30.7231162131	16.6700504076
0	0
0.4036899572	0.296888944
9.8667659652	4.6135394643
6.4329386457	4.8858613114
0	1.4739146686
10.4761335783	4.1248959137
33.9893611261	8.4434542632
2.2543267214	1.1052783911
60.5981647805	46.3990577008
8.2556226389	10.0382113335
0.1264487092	0.3868599848

gene_expression_table

0.4514449567	0.3766801939
117.2743824039	48.4651636363
0.3346988136	0.4332244113
198.5324176344	115.0096058559
0.5445150774	7.4324836261
1.5589158163	2.9350040721
389.6137116541	256.7369170238
12.7564354944	13.1000799853
1767.0088299631	1298.6693221928
10.1119418266	21.9585661121
5.8757463495	3.3705728766
39.1306612405	59.0911883266
1.4362838476	1.4365649441
6.8119834279	2.5828259037
14.8322667585	28.5854142298
0	0.00692
0	0
4.3701583216	2.4426252524
59.3206425678	14.4974734052
0	0
0	0
0	0
270.8489640999	285.8757627728
127.1371059082	98.9037684734
217.4588158069	113.4418935687
91.3017249344	62.7516994042
0	0
7.0485738959	0.9676406599
0.1114343878	0.1180124436
0	5.029206128
109.7005001024	93.2851883533
0	1.4506893466
0	0
203.7191259485	144.6031584662
0	0.3850898477
91.6817221938	38.8375053097
0	24.4248716518
19.4174892611	16.25512968
137.665824385	62.7717026485
7.0473957599	18.036571356
0	1.5946392362
12.6824217214	8.6827149079
14.2249618426	8.639238451
14.0813116663	5.2470055518
5.6862851546	0.9367479097
5.5129657678	6.4060225374
0.3706230181	0.56694614
3.7502115463	1.7651508254
0	0

gene_expression_table

2.3805660556	4.7620639171
0	0.6261580435
24.0924727639	12.4948381836
19.0598178686	10.8934560483
0	0
46.5792415563	15.2684533395
12.6028141179	10.6897722966
37.582341692	29.1872941174
9.0440342099	5.1880347771
3.7833732694	7.1601367393
52.5575235028	42.9308781899
0.0932535509	1.2454528807
0.1662158811	0.1662484114
31.8833292177	8.3371422577
6.2450111627	11.6759656647
0.1860513159	0.3575803405
1.0097100213	2.0990237071
0.1380980315	0
89.2223843215	58.9218671879
3.7391138465	1.708164787
562.431146091	879.3896965457
145.9148173313	363.234265063
8.2546796765	14.7940855311
4.311815871	3.2979162724
26.4148171579	9.3247012334
0	0.9473769894
22.101794309	7.0540076307
0	0.0220622446
3.9052704102	7.2810529451
0.2162776446	0.0254494085
0.2819127937	0.3648997222
1.1551355449	1.8349860985
1.0696919095	1.7621903105
28.3469525138	22.1064477728
2.4357433906	1.5149603936
0	0
6.1668648538	4.1673358897
0.0244067995	0.0315914515
0	0.008599
0.083763562	0.0492823267
0.4647133738	0.4101214617
40.8595746371	19.8455790567
2.4245075007	0.2496305004
2.8629392738	8.1333013351
19.1416273788	1.6088549248
8.2874019433	3.5214807329
0	0.005104
2.9389380344	4.2882310457
0.6316210275	1.6258134185

gene_expression_table

0.1597767662	0.7081689451
4.5267838131	15.980010898
0	0
19.0401238278	11.8275075047
0	0.0241461919
9.3194970734	6.8234506677
97.0400865755	91.582755837
288.1879419878	146.9145545687
1.864252373	2.7055230362
0.1057655139	0.1078604528
0.8668099774	1.6049622754
26.3148038529	6.192930341
3.0239062852	1.3565763523
39.0338788236	54.0336675972
9.5707695278	3.3785797527
3.4996088551	2.6252203253
8.7068439279	3.0736051599
6.5177819551	1.894812577
0	0.2529146425
0	0
3.5186186565	8.2807230326
0	0
0	0
0	0
0	0
47.5800987262	56.5617731697
10.2247831207	9.4246834997
0	14.9491299065
0	0.3438317066
1.2406008922	3.5035586582
103.718858521	76.4483006637
0	4.3936453321
0	3.4186911253
91.8578012477	56.9269531568
0	0
0	0
0	0
1.6367013819	1.4564678382
2.696659537	1.3145954922
66.9111771088	31.7037337305
48.7421782888	17.7125617828
2568.9022014722	2573.424683774
0.7758954529	0.4108485728
0	0
1.5296505401	0.719976428
0	0.209858389
2.1809280652	1.924724909
1133.9950684809	385.5877684249
3.375704124	3.4495367787

gene_expression_table

0	0
70.2171505603	26.948324488
8.9658151905	6.054829804
19.3416028205	35.6562056738
11.7668143465	17.223098402
128.0415831848	74.5606695918
3.3987077941	0.9998155761
0.7634957172	0.1796812098
0	0
410.423626122	336.2638743758
3.5710944189	4.2667576327
10.3173401642	23.1030433905
229.0456365482	93.6367327241
3.0796299621	2.7655339847
0	0.6039628217
76.4681235675	117.2240811897
0	0
4.933371935	10.0621783296
1.3999364993	1.9493126322
21.2721259622	7.1963919187
2.1339070531	0.5021940429
3.0947390492	2.6704934871
12.7024042712	7.3855417494
0.2058454568	0.6378421058
27.4034854901	11.8042310377
0.4980286604	2.422260397
0	0
0	0.0196199789
4.2934548096	1.9703236276
5.9951728293	3.4567171927
48.5467428355	22.0883305887
0	0
7.2161464145	8.0666832459
91.742880903	151.604859467
12.1092296145	10.105787114
2.5316384408	0.1985987381
4.1494631145	5.9522154272
1.9446240198	1.9286600275
0	0
0.0597931283	0
1.963698636	0.7317171787
2.094833615	2.2801180319
0	0.9445018012
13.8866243588	8.421592057
0	0
255.1637841633	142.4269643025
0.833281522	2.8435168856
4.9627221618	0
0	0.4095741266

gene_expression_table

2.8191225732	3.1153434793
0.3467545675	0.5385948343
93.0271506645	87.5721008004
24.4350722311	21.3703019775
3.4491876148	2.2999084391
0	1.8377658269
0.3302431789	1.4572403431
0.1762732838	0.6844890375
0.5215793282	0.521681407
5.2074841345	3.1738089468
1.3806169139	0.9747438464
17.3484253981	10.2947550878
42.848869397	41.887634229
3.2153287156	6.1376453157
32.547633045	57.1498081248
0	0.5884216718
10.4760607687	2.7393754376
0	0.0414940249
0	0
15.9539899382	9.7888167949
90.1345153827	44.2806176517
0	0
0	0.1599996869
26.3760328909	46.2964107814
17.1105355035	17.2915370007
865.5262258895	938.8399545983
2.4658466375	0.5803127602
6.8948337727	0.8113156668
5.4954756428	1.6166326964
246.5532035984	112.5663120316
72.918192336	16.4455554337
120.1233261728	173.5945088301
13.8367486382	17.9098850661
0	0
18.4749905335	71.7404714874
9.9385703245	17.2079510492
11.7736151434	7.3645068502
50.6382970142	27.5585834848
57.6615007188	71.4044013531
0	0
63.0932114839	56.5994202389
42.736342995	68.9886998475
0	2.2098693399
0	0
0	0.3667078779
6.7221845448	6.7800001514
0	8.7099063524
14.7989675961	16.6969122383
25.2088920862	20.4153467957

gene_expression_table

19.0120610295	9.6702647986
243.2160560626	163.7814714458
0.7089538066	0.2085566343
0.5604064389	0.9384206477
12.5925487321	13.0580651894
0	0.0438544498
40.3914185629	14.4806811391
0.9716590038	0.8003463738
17.9204432555	10.2105476437
26.3300856164	6.7058303226
0	0.1282311788
0	0
0	0.0155998696
13.8370615051	30.9359555097
0	0.4786770973
1.3733388902	0.819547432
0	0.0115332032
1.3545725595	1.0061662065
0	0
0	0
4.5670911155	2.750274673
13.0239770808	10.6470677037
2.6701129941	2.9244063648
3.605013755	3.3936181608
0	0.4405289843
11.5790793171	10.0674441015
2.9504360953	2.195901243
0.6006726376	1.0013169931
0.2563083785	0.1407458656
0	0.0708485653
24.6144950937	11.5855587863
0.0990773558	0.093267526
9.2521704023	5.4435183257
1.799790374	0.4428158299
1.4990955006	3.8631313755
1.4953545043	2.0675122529
20.9001920758	11.3743889927
7.3483559554	5.5418233659
84.0951583214	50.4134808965
15.4758638044	6.6771693573
6.6143206268	11.5448969777
1.0403402384	0.7345015372
52.9551304311	21.5867771018
0	0
0	0
2.2836392113	3.869510645
0	0.0570614426
0	0.0660476793
714.6470755609	186.3284246905

gene_expression_table

35.7772760345	43.3019835113
1.7308410298	0.9892455854
8.5913634105	5.3917144061
2.4255260877	3.5042233631
0	0
0	0.3506820687
0	0.0430046249
4.0244246681	3.4727321737
0	0.005681
6.5122216357	3.4692204088
75.8018400708	64.9565408703
0	0
0.4419143323	1.2133355837
0	18.0575029557
2.0586080638	1.04969186
1567.1273420767	1547.1550132672
0.899541037	0.9277359583
1.0646512707	1.169257638
12.3220455709	13.1115653171
10.3357182676	9.7875531806
13.9731309458	9.4542620513
0.6555952296	0.8540936824
0.7812716107	0.7150289672
0	2.0578783265
0.3960923184	0.5762470371
1.2983924278	0.8657643583
8.8060333097	4.7369448052
0	8.3364027997
16.1763777712	13.1974316963
14.8595464037	15.2121593939
2.4220764979	3.7763287594
28.0308289323	20.3021590464
1.4474993519	4.3575418779
0	0.1330031907
347.3999732843	234.0737395792
4.4270063935	2.942529147
0	0.3211996056
61.5234520548	34.2922251291
4.8862289626	4.8756859919
6.5755147574	3.4818361719
0.517925603	3.4738278944
0	0.1996244649
0	0
0	2.4676779881
1.0184852034	0.2037369064
15.7560865047	0
14.0112096316	8.8120183602
5.6106359511	5.0473660773
0.0577787083	0.5303083838

gene_expression_table

3.1440031768	4.0166555538
0	0.3008335933
23.7994951855	16.9264825024
0.6439788759	1.5913180121
13890.7987543513	20066.1757221035
20.6259967248	11.1914560595
5.7050737203	9.364004539
6.824278462	18.3800848882
16.7288514458	15.0702075074
9.3640616703	2.4697084414
0	0
1.432357531	0.6564408766
0	0.9221230944
1.4116370083	1.1904366881
10.5752945852	8.5996638212
6.7426443415	2.8761022733
5.3821565498	7.9895603901
4.8353200466	9.1604574808
3.3790592932	3.5785277071
0.4197721395	0.5680381618
28.0212283014	43.1941096429
0.8186757085	0.6984188834
31.2570653024	14.5994934601
1.9789227299	2.8719400389
360.2537725749	239.6258830588
2.0313317373	0.9744945922
14.8626632462	10.3343548891
0	0.1097627818
0.4667372292	0.9580664869
7.4565299414	4.9719928442
0.5099107753	0.4010609439
95.6417929431	151.686743933
14.5089981571	12.2654232186
1.6797834899	1.275807157
4.2193359845	8.5727207414
4.0438349261	4.7964510115
33.2801232597	24.331022663
0.6305416372	3.8581861342
95.6278912972	73.1153540886
104.7008026616	36.3862122385
1.5438258517	1.126305126
4.0716092069	8.3100213021
8.8497206982	5.206736874
34.3297044185	17.7959840012
4.2298643145	3.4840994139
28.8478289737	7.0404993003
26.4964615873	25.9614272865
0.5385814247	0.443624449
35.3386302314	61.2468191678

gene_expression_table

9.7760668259	7.1896912571
0.1716177054	0.403885395
1.6612229193	3.2449055818
0	0
4.868006426	9.4009661066
9.1998953122	9.2016958328
2.183586002	3.9153180572
1.7984172903	2.0415097487
19.7759557683	9.747217321
29.0882133581	31.4093382258
2.7700899621	11.4084851141
0	7.3117541826
3167.4637967666	3196.0049174618
0.4697107602	0.2763545222
10.3131294043	11.9043162252
37.6669902721	36.0491935542
1009.0649785279	208.7055094554
101.1606221393	47.2423286356
0	0.1491313976
0	0
0	1.1060095091
0.6536612129	0.9999128048
45.4244058718	17.816978795
5.4574527247	18.8372482791
3.750029612	7.0602607699
26.3667028474	12.8699288336
3.5353513638	4.1743959101
0.4136150597	0.5645733766
0	0.0104942269
0	0
0.5937016443	0.7510049131
8.7758185979	34.3069712483
0	0
4.46301157	3.1509776685
36.9995023895	9.5782159903
151.9000293537	118.0386277637
1.9472833634	3.2079179475
0.5172555589	0.3347602768
45.0112735203	10.8136473203
17.2158931831	6.0773867727
3.0231502411	8.6392625851
0	0.085205169
9.0201830181	20.0959477353
0.7660015418	1.4241403549
50.9686479568	33.6222647774
42.5043885357	22.2480292796
64.6624668673	65.7620988635
2.1275164853	1.1444344813
19.3660710881	8.8946990898

gene_expression_table

2.5921985376	1.8301453125
38.3144289428	77.2074127527
0	0
32.8877469334	18.5755388764
23.2642537296	120.4502940222
66.5761601908	54.8381563694
1013.5405645827	651.9732698048
0	0.2186705982
0	5.9150842386
0	0.7841226037
21.8606788439	13.7191888433
0	0
220.0058718854	95.1562938174
65.160828847	48.1955897083
1.6480334383	0
160.8138357901	116.7361147729
0.2130656358	0.1253572559
0	0
18.465250835	42.3697484009
108.0866112836	32.6169537731
0	0.0594276786
25.0548944614	22.1115864526
2.0012468516	2.0251872061
0	0.002935
0	0
30.1110474538	20.5630371175
0	0.0126330162
0	0.0376944527
1621.2739522948	2008.6241895051
5.4673343796	3.8085828271
0.1092237005	0.1028188958
141.0023355728	111.9390513373
36.3932958532	26.5865801214
0	1.8260303146
218.341363671	120.7919053114
0	0.5025593791
539.6115908703	119.7768114961
19.5374535633	12.0358039857
514.7051842094	522.5642956234
2.1517470324	9.3682613717
205.8360682299	325.1169550279
0	3.832816965
7.4897642651	4.3086813614
28.3313885032	21.0026681864
0.5139858529	0.1209615166
1.1621167898	1.1395531655
0.2420809753	0.5127423951
23.0978464592	12.1358535065
22.7399302838	14.2124963532

gene_expression_table

53.531413014	12.1256632556
2.9690555173	14.8918540967
9.0080495896	5.8677350731
0	0.052228495
3.7734615764	2.3311235815
10.3733276141	5.4731488902
0	0
0	0
0	0.1997676843
2.8940665675	2.3838153856
0.1640325615	0.2316207027
11.4871947154	11.449687028
1.0912286008	2.9533140968
4.5640500923	7.1734823711
1.6357575841	1.4435979881
0	0
39.5600897277	32.3370047208
0	1.0137507409
1.0224242155	1.9249398874
0	0
15.1707993918	13.3074761036
2.9777792871	1.6245611298
0	0
0	0.6483585575
0	0.1123329324
33.5646375997	35.5459834252
147.4256185569	84.3680356927
9.9379213121	7.0163761923
98.6206676649	58.5895941016
36.5708315914	42.9372993945
15.4206195922	10.1724525909
25.4913091746	15.8548408377
9.4006961229	15.1848441423
0	0.0365770006
1.6969476728	5.9903992381
0	2.9879392411
15.4846475145	10.3965727953
0	5.2120788656
40.4406220288	17.9015932747
106.9004359456	22.9262113882
0	0.0410761577
16.3943500302	8.3595396706
0.2553898623	2.0735705054
3.168558474	3.1225730281
2088.9274977295	1902.5889212911
111.3072897804	146.0236162512
0	0.0704054601
3.5451473828	2.0099420746
0	0

gene_expression_table

4.9127881648	2.6926739576
52.5359941769	56.3790632425
31.0844919643	10.9731443086
4.8303043424	1.4615545269
0.5429240911	0.1916577696
0.8577816431	1.7158990409
0	2.9935617377
0	2.7721023416
38.3605010344	31.1342211615
29.2816452592	32.6098934443
0	0.784826241
21.1067625351	5.2683156336
67.2889733917	32.2500731584
5.8201506168	2.6633351497
0	0.0838362559
0	0.0459914558
4.4925816804	3.8767113888
11.9806820199	5.0125079304
0	0
1619.9007101938	1841.5589642294
0	0.6500730563
56.5313092234	58.8249371001
9.429562248	8.9999054031
0	1.2627665426
1.9862110178	1.0809439768
3.8259628192	4.25959753
0	0.0618931832
0	0
10.3459258922	0.6880990238
2.8403845167	0
0	0
0	0.0248080508
2.6040749357	5.5155908791
0.3614382856	1.5098318022
9.9844175138	7.4163494778
3.3687509977	3.879069
11.9268101469	12.0293892653
0	0.0291727248
2.3247772564	1.671735598
0	2.2944526612
5.5466845101	5.9191218054
0	0
0	0
0	0
2.8587981341	3.4760818275
13.7770947511	6.4548616608
1.6522017511	0.6845018205
2.511703848	1.2807270749
0	0

gene_expression_table

0.5150571191	0.4424297443
1.8932398523	0.5728569217
12.4569231401	2.9316143757
0	0.093674791
0	0
0	0
0	0.1112951926
0	0.1853480305
0.3980317624	0.0234182154
16.2594546729	13.4490318396
0.4505406555	0.1295926051
8.5378616944	9.2810606928
7.2028205363	5.1046016176
2.4588396087	1.4466593121
4.5224756845	7.9469240417
0.3819553528	1.0786732396
11.2778493886	7.9046943863
0	3.7740537294
0	0.1045064365
14.153188512	4.9061986349
11.5162644246	5.8076562777
7.1112567058	8.7862127997
121.5263471022	69.0956497706
2.2615377528	2.4837431411
8.8680476287	15.6525585938
46.3687059515	19.8991170287
0	0.8912812454
0	0
0	0
0	0
6.1345157878	2.6249054032
14.7579019317	8.0378084534
0.3069676287	0.1083627196
7.2657224281	1.9430867406
0	2.2002472673
3.582876231	8.8535442617
3.2120627345	2.813729697
48.8375763777	22.447139448
86.256984448	45.6101599259
5.6921473043	8.3724431178
3.3289654223	5.3458209653
8.0468011882	16.6227897207
2.2085952225	3.59508392
2.2378627624	1.5799769906
0.2988639226	0.4923427988
937.3989599797	1025.4618315362
0	0
0	0
52.3708403741	30.0420956912

gene_expression_table

1.0294274009	0.4744368328
0	0.0136907748
133.4318699932	24.8917330416
12.02453357	31.2532597386
0	0.4014043338
0	0.0331364472
3.7198802887	2.1521165716
210.9994561441	47.3788194493
91.0586339822	59.4860417054
0	0
149.4151992068	137.0256222766
3.9054545653	3.4849600041
8.9061805424	8.8771003148
8.6734319688	6.6339225242
0	0
15.0975313266	8.0930709707
1.7824876722	12.0603647254
0	0.6711793243
109.9955323973	22.6505711213
6.3239280759	4.9750883453
35.7566427382	22.5674310338
2.6767560216	2.2048187347
16.3776440558	7.2497876634
2.4468298983	2.8791867881
5.1780466875	3.0247451775
17.8266720284	5.1371411968
0	5.17311955
0	0
50.9117831734	55.7143821966
345.2052617376	197.424601667
0	0
109.8695899447	165.1957601642
171.7913273488	56.2840662735
7.967774096	8.203725638
0.896371506	0.9102197648
15.6826504864	6.2343878194
18.0341128765	18.3913216123
5.2699318511	6.821246539
63.0267441013	53.6944626924
0	4.5289717651
7.3144739205	6.2780088235
3.0023653573	2.6972224489
4.0081538502	6.2513711517
0.5984034216	0.211242542
7.6277245305	4.3755805447
3.6040066024	3.3004779455
0.6325298161	1.5010017001
3.2898944668	2.8623577676
0	0

gene_expression_table

10.230666872	11.7767291731
0	0.0460678582
73.9390658261	30.4823087509
38.0875275739	26.606919475
715.734818446	1016.6200019521
0	0
0	1.043557627
2.1635512873	3.1823157618
0	0
1.3023996739	2.7194340666
0.5488508855	0.2524621067
2.6994564052	14.1268550285
0	0
5.0850381803	2.966852804
0.2338092379	0.7428335196
2.6893843378	1.645592416
64.1453543974	22.7189973662
0.3279176016	0.2186545191
22.3175122118	28.762086267
0	6.4113781653
48.6796815137	28.5238101167
0	0
11.2276011083	6.3541156627
0	0.0638869489
77.2151257096	28.6619170404
0.5062304212	0.9445810766
2.9382950548	1.3445810967
0.2456560482	0.4480486999
26.7693335695	14.7568296678
13.8158723978	10.9080222911
0	0
0	0
0	3.327090642
0.5115301057	3.1299730969
0	0
0	0
1.2343408341	0.9440924297
0	0.1630835551
0	0
0.5163617929	0.8303912499
0.0731835193	0.2497338142
1.5154657281	7.9800428096
0.2433074487	0.1775060486
10.3291678326	9.35884213
3.2612461351	5.4492656982
0	0
0.5717295546	0.6727546451
0	0
3.1379134689	1.7025999361

gene_expression_table

4.28480057	2.7730606281
24.8465699278	9.012903491
0	0
0.5305232553	0.2184935054
6.7373062515	6.7826681158
1.8286876962	3.8302366482
10.7488778018	10.3118073955
0	0
0	0.0123413506
1.1941198825	2.0608454013
1.6809011356	1.6953580905
0	0.0157422455
2.9621556408	1.7737683637
1.4544262287	2.7953267811
0.4904719508	1.0677066963
13.6953077588	5.9984653688
1.9899948613	0.7805428726
0	0
2.8460736521	1.42331533
0	1.0984629193
7.554831826	6.5685573975
39.6202059241	27.4546651215
21.3092654424	2.8208959279
0.6729524872	1.3461683828
33.2060330935	12.3522888962
301.836708692	129.0284897147
44.0034309633	48.4995453336
1.4305271064	1.1871711964
0.0404979245	0.2763928613
0.6679861769	2.1222537114
0	1.8023927022
23.4706570006	14.925440847
1.7678196454	1.9289079569
2.434717545	2.5211420711
3.3984313622	1.5195960701
8.0773706766	9.1244628783
62.8249781673	64.4317604668
6.621557084	4.1008377681
61.5119294035	18.0024883636
0.702431971	2.0112772337
354.7110101429	106.2444071403
34.9982012038	19.9048327717
51.7921936333	37.888718565
123.7890113042	207.5300956115
0	0.1503503223
1.5052452368	1.7712233292
72.2616884008	87.9153488183
7.5023854273	6.0261127114
12.5036566634	7.7824360899

gene_expression_table

7.312936168	10.326165727
1.6881029699	2.7147359748
1.2381566913	0.6556230064
11.1255018971	18.9364152786
0	0.0220701673
4.6319843498	5.8296222839
4100.1658918282	2484.2086616541
12.9582050253	10.9612482901
0	0
12.1077665226	5.7651537328
0	0.6564536809
471.7140979018	343.5356246611
24.9682105261	12.0784913978
4.8601792508	2.0618417042
7.3061777308	3.4388741789
0	0.4870326731
0	0.004688
1.1204104881	1.8457431419
25.3414960684	31.4250174466
5.3685082224	14.9505365409
3.5753635704	6.4509377327
7.533001848	6.331492554
0.3433268801	0.2747152583
0.5926701537	0.181322821
8.9690218751	4.2215422171
6.5155336466	3.3679306025
11.306999582	12.5288334404
1.9254880698	0.8307652549
3.9617333568	2.680520599
0	0.0237277573
14.4970278144	4.1580495341
0	0
6.9962086564	2.8813556023
0	3.3945968289
0.0566508173	0.1333221282
0	0.0240897881
106.6014278809	73.7928171755
1.4891444373	0.6007808589
0	0
0	0
37.3700394512	15.4573011363
2.8669033871	4.8353322462
8.1945680475	16.8744713829
0.4354010476	0.333018905
4.6737626454	7.4244875592
74.23249777	39.6816037507
3.3053337064	3.6949194903
0.4771477096	0.6105878685
4.8558240291	3.9602906605

gene_expression_table

5.4830018721	2.2581485112
2.2623560954	0.7502327782
1.6415614404	1.4264320394
3.9611806974	1.8126595822
20.070173354	9.2051026049
22.6521403339	15.8922913645
0	0
24.038170632	10.2263812924
0.9557644373	0.8716028299
0	9.008312878
0.0572443684	0.006736
9.4550835735	12.3973252926
0	0.022778792
0.205502516	0.7254449475
8.4165130949	10.8940897988
0.8247200452	0.3396570684
1.0658143039	1.6369887187
45.7127479128	48.3057347986
8.8293690766	7.064877665
669.050778356	366.8956111079
2798.1164491542	537.826233528
33.9574677167	19.5614209829
0	0.3163338798
100.1611407738	24.3085627392
0.1915560037	0.991778083
38.6088002899	24.7198129566
11.5260359938	4.4926431146
78.9753937484	18.0698023107
1.4243034832	0.4383329954
8.2260587846	3.0114343008
8.3682221865	5.6927356206
265.3907018178	59.8701120148
18.112921019	25.963705164
3.1461724803	8.0212248766
18.5230563722	17.1255039426
6.0038063866	5.3608484448
4.9321212248	1.7643038759
132.3997037833	44.4664445414
6.1376843308	7.9043166797
0.8307114344	1.3196234336
6.4096836456	6.6204458719
0.279551558	0.0328948552
1.039109563	0.9476088463
7.2841462865	3.5843455209
0	0.0345161056
4.1387903919	0.8766212609
0	0.0410535395
0.716530964	0.5339903036
5.0181355747	0.5904844328

gene_expression_table

20.8627206487	12.1343093857
30.5563275677	7.8503182721
1.4132100656	0.8552188112
0.5743747986	0.2534502397
0.7820972155	0.2760883343
14.2461040162	7.0277341301
0.2554877788	0.4509490245
20.3737195614	25.572024373
4.3007804372	1.1470992393
0.7411252195	1.4171343317
0.3340970246	0.2948491862
2.5080366115	2.3855604294
23.1595463105	7.8121991545
3632.0967450458	4112.3422775392
2.9134388811	1.5998481185
0	0.1636704611
11.2930044077	6.0536444115
0.1938007331	0.7297455511
2.5394675416	1.673388405
9.3855464294	9.5379830158
2.5977157071	1.0698569859
5.6554990044	5.9893473682
0	0.3226447295
38.8192590646	44.7169987255
2.7137524713	2.3335469713
0	0
10.901974556	7.9535847991
0.2577504515	0.2426361375
11.6690861062	10.5925037518
0.0959401472	0.225785703
0.0498306477	0.007818
3.6779882899	3.327066896
0	0.0878611176
14.1529483874	10.6584231717
1.020750058	0.2402234894
2.7205439863	0.1920759831
0.8899509589	1.0995663397
0	0
30.0839289339	14.6053414862
0	0
0.8207038547	1.255439786
4572.556698601	5927.0979200852
62.9712591382	59.7103074172
0	0
0	0.13968956
11.3067436214	4.1814628985
113.5992479257	78.3112326306
0	0
276.4777320391	254.2821533518

gene_expression_table

12.3938792807	9.8515652379
2.102125541	5.194503053
0	0.977036844
0	1.3527397685
66.0765179575	33.7923431402
0	0
2.2900024663	3.464547194
22.8926202834	18.6115470287
0	0.1500267567
0.8774047718	1.8583972719
20.4063781394	33.6170831161
0	0
1.2592753876	4.2231026455
5.7995232877	6.3368536249
0	0.1326385646
4.0232144548	2.6826678947
0	0.4590140393
0	4.4975386685
0.677731644	0.3721607831
0	0
73.8764196166	51.796056668
68.9604505283	73.0312378374
296.4759289797	229.9327439773
4.1896672299	3.9439879472
16.8710409237	20.293327255
16.7726082147	44.0778307254
0	0.5149355867
67.472228726	46.702722341
651.0001258018	330.0903218878
17.8390980728	3.2986299695
0	0.1139770212
10.3548117979	11.7783651805
0	0
0	0
4.2462843547	2.498303176
7.1291835089	14.8204186168
0	0.0924259461
68.1722933527	18.8749163792
2.7873705608	0
0	0
11.4280544637	7.4571952367
0.2789160805	0.0164100393
7.9654399613	5.1149471836
6.567649691	3.6708754704
1.4093206834	0.4422263539
3.0348096378	8.3108376187
7.8905884194	10.9561371521
8.4188374836	14.364357008
4.1920120302	2.1309454349

gene_expression_table

0.3480698865	1.3434031352
0	0
0.2864042461	0.1348048464
0.5825209151	0.4912412078
0	0.1404637257
0	0.0454100877
17.1455780103	13.4965237977
3.906024679	1.9406272807
10.3813269396	6.7186438514
0	0
0	0.006371
4.3645104928	3.3810177388
0	0
1.6033486076	2.1507942784
0	0.0800350398
0.2404933122	0.7074717039
2.0900272805	2.2485365478
10.5342643327	4.3489919897
6.5923586334	15.2041784797
4.2982295592	2.0652398797
10.498645495	4.9415059742
25.5767917163	41.2665645447
0	0
580.9149634479	254.9947078081
3262.5352926136	4829.3793887955
2.7661673248	2.8364576529
7.7066758902	4.5342259831
0.1516125598	0.1784026259
0	0
14.7461580298	5.2055449465
19.8749073878	14.2384463841
0	0.0296377393
1.657026951	1.908043035
0	0.4225112506
8.0989886646	13.7725124445
1.752660992	0.8249430621
0	0.1154497271
2.7937468677	3.3840926371
0.8469213703	0.822172795
0	0
17.3064727174	20.4918193035
0	0
207.0690566199	91.7968600117
0	0
0	0.0213948198
0	0
0	0.1508328171
37.4791766783	16.1141113922
0	0.082084109

gene_expression_table

1.40220001	0.5939891729
0	0.27062845
20.8201265351	16.5147280035
0.4317338777	1.1684497144
11.4667818826	3.5381570584
9.5394118437	3.4265892945
0.5859918763	0
0	0.9618423197
3.9107234844	9.66367835
12.7694624304	12.6353630352
2985.0533413016	1028.0531015378
6.7121988835	0.9872812551
1.201614193	0.706970213
3.7876989608	8.2899986759
0	0.145493581
0	0
3.408711928	7.9217924995
96.10598196	32.8176910303
1.1935913096	1.1235999139
0.4179292617	0.2704777415
14.6363343333	8.6112934263
20.8262213264	14.9265231608
3.1184186055	0.5504168672
3.737590921	1.0555263271
0	0
0	0.1853264508
0.6193859006	1.894962959
0	0.4111198989
3.9695369648	3.7367659735
0	0.2225266715
3.272475434	6.315188312
0	0
13.4335028101	13.9923116459
0.5577395875	0.3281463196
25.7252929953	24.3681338975
3.6366585931	4.7499777214
9.5968416312	9.0340892599
44.7533484056	22.0772383571
4.5507688916	2.8380935875
8.4663999495	10.7594134946
0	0.5447252487
0	0
0.0454071762	0
0	0.007104
10.2016501272	8.4030031665
10.5201191772	8.0099625524
0	0.0451145852
0.3127220875	0.2418156533
2.2281609706	1.0487515512

gene_expression_table

0.7086823189	0.9108831154
30.1427315221	68.1792565486
25.6909177742	22.6341362431
4.1890833856	3.8730197973
0	0.005157
0	0
0	0.2161965726
4.6184465874	2.4702408921
0	0.3092287923
10.4894747923	13.4823251863
12.2499141756	32.6728309826
0	0
10.9464371236	8.8017991751
0.740358597	1.2196528125
20.1708283703	22.4784701711
8.0724079463	12.3484519375
1.5285011546	0
20.7348069721	34.3324067676
93.9062108659	54.1603265808
0	1.2457470661
2.1962541309	11.1987809828
50.1130375314	134.889421651
0	0
118.1162163845	115.4200133403
1.3497827826	0.9529743176
0	0.4120977801
1.6622088507	17.6033029047
0	0.3308052882
21.8836337045	16.0589419984
24.7860283429	65.1368199668
0.5115707297	2.7088456747
22.6651108026	9.0844874298
127.2472576201	188.7410689352
96.3351949055	58.9460063014
1.9602957051	1.8741787967
22.4364168569	18.5501415233
5.3695026669	1.8954894838
87.7534693495	86.0870635464
0	0
0	0
3.3698724816	0.8651632948
1.3879891035	1.7343537638
3.9892931679	1.7672299699
2.62767374	3.2920555629
0	0
0.8438564492	1.5639223787
2.4509245862	1.3596023622
0.8982031187	0.2113832722
17.3706427848	23.3357236298

gene_expression_table

2.6373524035	4.0908122091
0	0
0	0
2160.1433191847	2647.6954582702
0.5507706606	0.3593966374
13.7384779254	20.9940559545
2.9442888852	1.0393641582
0	0
28.6965190983	28.6132742224
20.6230618409	24.2671741186
4.6113082618	6.1043965749
153.4810638069	79.3024922251
3.7859529544	4.9790438916
3.5946503159	10.4688243828
0	0.2285267626
0	0
1.3301789715	1.6323036816
76.9502131564	55.9501722349
5.9777817798	10.7855599247
2.069439517	6.4773958205
6.4385051222	4.9114639317
3.3386325916	3.8794646161
24.38546602	50.4417316837
1.3491419943	2.9210671843
4.226677705	3.9235666506
1.8454524713	2.3452691039
6.5225938777	4.5460454517
0	0
43.8702385881	16.3470130401
5.0763001407	2.8746441867
0	0.1723816692
0.2013591474	0.2448374598
0.6930274738	1.3902094805
0.0630807149	0.5492807621
4.8215187718	13.8659977598
10.6526050519	17.4892108457
0	0.3377579726
1.5206697462	1.0338601649
16.1326747579	15.1866655056
0	0.004766
0.298992624	0.4339173406
4.0566208164	4.1634909441
75.8635720471	60.1737356319
2985.7761068353	3699.4251481901
3.279194564	3.0869047891
0.0251425822	0.023668238
49.0097687174	54.3453394253
7.8825864021	9.9151319447
1.7771602077	17.1477244035

gene_expression_table

0.1474475162	0.0607255655
3.6331391411	3.7254598549
0	0
5.9433981135	3.328954329
28.8678195437	18.9375989776
0	0.1796396399
1.3228188492	1.6343901486
15.4419300264	11.8541089575
0.1203942366	0.007083
5.5919479425	2.6320199286
0.4403785904	0.8463832977
6.6576855235	10.3267736184
73.3628188907	67.5870122038
13.7714876879	4.7095551894
2.8312869378	1.9476915831
0.4842772143	0.2564322314
10.5628554644	28.3388515616
46.8605656506	111.0214281506
0	0.1863151374
19.2988608623	5.808259809
1.566088828	1.2899726237
15.212773177	11.3478811382
0.2306713708	0.6242917485
64.944347688	62.9701362362
8.7386444953	10.0059264718
1.5560454859	2.0873400283
7.9681042372	11.1042142201
0	1.7340892171
0.157767105	0.1113868106
4.1077015856	3.1046172843
10.0571637252	11.4792447789
0	0.8206263265
0	0.0540478585
33.2430332657	21.9055788282
119.052920296	22.0140911407
4.7009717393	4.6264603523
0	0
4.3638260698	2.8028092918
0.4974987153	3.1026579186
3.8420438248	2.0344212821
0.1901807849	0.1342715332
0	0
0	0.0220533651
3.8921264128	5.3431798065
4.9277110322	7.9245369811
0	0
4.5463080532	9.8076815631
0	0
6.3561583482	0.3739648423

gene_expression_table

37.2560287502	50.8209987429
2472.5495786529	2813.8937495504
0	0.0554122015
302.941350425	150.0495642332
0	0.2193297052
954.6417761482	1273.7015346441
1.4723687694	1.38603005
1.1991833756	0.4233240243
6.0613638097	6.5618189158
59.3914301272	27.2333327341
0.1618450638	0.1650507923
2.1867997037	2.3158881364
4.3660443796	7.3209775047
54.3368860573	26.4393342404
11.6543008057	22.1309542655
4.1717291713	2.6180678429
0	0.1644552441
87.5640063625	21.7638616151
0.3342703954	0.2753353777
0	0.8695925572
12.2290902943	14.3899807785
2.6909821897	10.343837912
0.1188230128	0.8389148313
3.0343937597	3.3563392547
0	0
2.438294699	2.9010227831
5.6086446552	3.839823626
3.3115997083	8.3780386157
0	0.1607603783
0.8239113237	2.9084914314
8.0059823092	0.7536516864
88.1253335743	84.3637860856
1.8995375857	3.4521228641
15.4228572211	61.7035025751
0	0
24.7388401058	7.2775534614
21.7460805275	21.6567195313
0	0.2304606822
0	0.1772401402
343.0444987818	282.5625240617
1.2056774995	0.9505435539
1.9972159995	2.0367756389
38.8663688009	21.0862479658
0	0
2.292463264	3.7520376942
0.7439688973	1.546590922
5.8268777621	6.5136673398
0	0.040600549
0	0

	gene_expression_table
	0
	0
	0
	0
	0
	0.0870913654
9.9446367869	6.7374359419
11.5864073601	12.1946187355
5.1055343103	3.6508248692
4.2300186271	3.1109165355
2.1144142533	0.9952132082
5.9534319464	8.3364359379
10.6612244795	8.0646889904
22.4558234871	8.3046185454
2.1468466476	0
9.8582039801	11.4029542026
16.7551692611	11.6852309009
2.9158566727	3.8504465506
41.7422930233	15.3133184068
0	4.2404765516
2.2554668649	4.4454663254
19.4882415076	13.406300664
0	0.0969042679
0	0
0	1.2026511167
61.3783501008	28.5755651621
2356.6878168345	902.1479079259
4.0799831306	1.6803218469
72.7181189014	93.0546250791
28.7036162303	51.9529664847
2.1616152235	12.0565428531
4.3315363652	4.0047247932
106.8871815679	110.6386923086
0	0
7.9111002346	12.7998726121
0	1.2894315678
12.2264895776	7.1934602565
14.52201401	33.9431129831
19.4652142392	16.0773612791
1.3780162177	0.810756418
0	5.6920038818
20.2742544717	16.052172663
0	0.2637693482
0	3.5802269131
87.1360525463	79.7479401577
102.3493682783	120.4345872642
149.5840921706	201.1608301466
3.8848705101	3.1296031054
102.9481588176	119.9030704642
11.9909036519	36.861607858

gene_expression_table

60.7381040274	29.7794074225
0	1.2708395403
0	0
0	0.1524175512
13.6748485185	3.218241138
8.9012128787	5.7787942841
18.5548152646	1.0916733321
5423.3701712175	3750.2005744519
112.7483023733	155.0404722985
18.0986561443	26.0884621841
3.2748415689	32.7548249138
22.1108010275	15.2854563625
1.7327551047	1.8010587033
122.5559187538	79.7534136673
0	34.62669685
5.3062684468	3.8850874346
0	0
15.4660585018	6.3696233915
4.6568872132	1.8631194469
0	0
213.4779810936	35.8856741312
0	9.351427899
3.4520971951	4.2245690833
0	1.8575033089
0	0
1.8279266078	1.2905536611
3.8026607195	3.4470946751
17.359373279	27.5383378409
0	0.5345609711
81.6367567738	92.99919233
0	0
178.7865551834	80.8787644501
32.0092216652	18.1478157192
0	108.42701964
5.9174278797	0.1740760584
19.09191869	4.4930953384
104.4585951246	49.8494760382
43.3253522062	106.4482824418
0	7.3904710162
129.9512923376	103.8539520251
85.8881782135	28.2981135208
69.0172860644	17.6757049115
0	0.0481661394
5.7476771453	4.8695734833
7.7691703495	6.9707668022
28.7465081414	23.6782281227
30.456394	23.0214006236
264.7238369595	201.6557554046
96.0276649955	54.7858587751

gene_expression_table

2.6411119546	3.004205358
2.973555399	4.2337722021
8.1615663028	6.0366251914
43.115542727	10.6808621455
8.8026906004	17.6088267674
11.5798502535	14.9886214273
66.2998925108	160.8597865527
62.5905752163	20.2538551082
0	0
48.9732389712	39.5704378663
3030.201708678	4781.6914130493
69.3198728108	29.6064360272
6.3234141628	11.1325317684
34.4980217201	34.4347839638
0	0
49.41946227	61.8133399389
7.9281395274	17.7251919856
72.6017855223	33.045675579
7.5301364196	1.4767863039
0.2208856083	0.5198325601
57.3248387879	46.4684390733
25.0131172276	75.4868752963
3.2820720275	4.4413194351
7.2021232896	8.8984817241
9.022709916	4.034471516
261.3173579234	107.1263683684
4.6737460225	3.7364935214
198.2497002364	79.2623816372
34.9846243154	28.2284137339
1064.4339763653	537.904088443
5.2134808402	1.4795470464
3.2731775234	2.0541603891
9.1804466024	5.4013195981
8.8957932914	5.0095361162
0.5242518355	0.7711094667
0.7854348926	0.1386332843
4.5608955204	5.826821823
17.1716391973	11.6183822689
80.6022049428	104.039548092
5.116770994	6.0563258186
0	0
6.752552323	1.5891467933
14.1596148727	13.0912812365
119.9945718684	77.9949272297
0.5277992052	0.7237758275
0	0
6.5697229638	5.0951671977
4.8992638616	5.5487815883
0.878673912	1.2019509804

gene_expression_table

2.4251540564	4.5658892906
0	0.0762918725
0.8450788279	4.4748223367
26.6042257494	28.8192123495
6.1695121729	3.4256568447
67.3107421313	49.9598287587
0.5711916086	0.6721216436
2.0015024872	1.2822590322
5.307207575	8.0074721268
0	0
0	0
3.0387623112	1.6686666049
23.5697525284	7.210982354
14.0905975409	20.5304586506
149.058705561	89.5258090859
3.7651904721	1.3291508334
1.2052789533	0.2127379129
0	0
0	0.2764603569
0	0
0	0.0770987664
1.6803272729	2.1100884885
0	0.004767
0	0
57.4523979523	30.9048158752
1.8085822158	3.1922403093
44.5008203119	17.3984119544
0	0
0.3369906316	0.2643581054
0	0.0132725273
1.4967183894	1.1123303879
0.1579756074	0.0743560117
1.4971211728	3.6994938462
0.9343389998	2.0284621553
4.9870555092	1.1149717539
6.5264573111	11.100639605
30.1432539355	12.5030312221
83.1470661429	57.4133458212
0.2593527481	0.3845275505
0.4221185414	0.1887487515
1.4740627717	2.319935074
7.930186027	7.6156725884
18.5377008024	8.8931260472
14.4873924462	8.3342486625
5.0650293103	1.9484694585
0.3046808526	0.3585182141
25.0698321701	11.0780760075
0	0
0	0.0408815697

gene_expression_table

0	0.009711
5.6106459283	8.4071697057
0.0173247342	0.008154
19.8126409829	12.2195165
0	0
0	0.0112521923
6.9075789029	6.014833866
3.6185450984	4.8434124876
44.4895143418	14.0520699249
0	0
0.7649312288	0.4275452279
2.3024035065	0.4214373539
13.4785284032	14.2741760816
0.6060223312	1.3905586189
0.1020370626	0.004803
1.0109248848	1.1895561576
0	0.2959266091
18.9242762507	6.6062361358
0	0
66.1635294376	46.7128082594
17.5840219272	16.9408653977
7.595047987	3.1458589604
1.2795486255	1.4411182548
0	0
4.5527049918	1.3865621057
2.0993525465	3.5995944221
19.4015223052	10.762614119
32.089217875	47.7087142441
0	0.206220803
0	0.8041335124
0	0
32.6268593531	39.3088778308
0	0
0.8177533326	2.622134058
176.0232669958	42.9048217129
1040.6120944214	1845.4401689126
11.8574417695	6.8121818637
703.6575879394	786.392798823
1.9693101088	3.012475508
4.5749110315	5.5301189549
23.6403940278	10.0143617136
4.0947415149	3.0974694208
0.1838701062	0.5084462533
0	1.0515180368
0.7370931471	2.2314244432
32.8968847424	32.9700640446
5.6323308629	2.761486849
0.9142767974	0.564810893
7.4846167194	1.9686581216

gene_expression_table	
0	0.3021667066
0	0
0	0
0	0
0	0
0	0
3.1541890422	2.0619649357
0	0.0132382201
0	0
25.3344346831	19.298732681
0.1260088295	0.0148274695
0	0
17.7129606765	9.7266659673
9.3516889305	6.1022959218
5.5627058428	10.9094010304
39.1191095102	19.2017067909
0	0
0.244214811	0.3592097154
0.5333197212	1.0354703074
0	0.0697489587
1.6012959707	1.6958216773
81.5995258832	33.9112004054
13.6676298356	9.5097772111
0.6272262284	1.3285037298
0	0.3932478255
6.7083199028	3.3009958134
0	0
0.0696155655	0.1884083967
0	0.009265
7.2888918214	4.9121931045
0.1543665535	0.6357513841
8.9046868522	8.9064295973
9.7482798989	3.4412427333
50.2606376526	23.8332362374
0	0.1226579401
230.7590153984	121.0349816791
0	0
1.6275218045	0.9075938404
0	0
31.4084597912	8.6852148134
110.3195895338	147.6161000182
0.3552099128	0.2089879008
4.1516386698	2.8497214056
4.3024827054	3.5439144988
0.1496428489	0.3565718526
3.3729550644	6.270955292
0	0
0	0.1230162592
11.7710778574	16.3134437672

gene_expression_table

4.4573498093	4.9827188865
3.5502393052	4.5953265161
7.9035122219	5.2700393508
0	2.7817922469
0.2638851881	0
0	0
0	0.0221156724
39.0958326391	64.9469632498
17.126889304	6.9096771326
26.0753846884	40.1508015829
4.6198518045	5.9798018309
2.9078962733	1.417571362
1.5768085591	0.7421727802
19.563154894	19.0438022383
3.0848791935	2.3594869528
1.4359103225	0.5068910633
0.4489659201	0.2905642155
1.828887683	3.2998156219
1.6057199915	2.6137420124
0	0.0136707741
1.2394868897	0.802177893
0	0.0585194089
3.6545692472	5.1911183045
0	0
23.507051103	10.5832498661
0.4156952353	0.309794323
0.642384074	0.5795186392
0	0
4.2603832238	3.0686839201
9.193424086	6.1816627497
2.3185171083	0.4774351786
0.4478941292	0.6324448758
0.2993268397	1.197541685
2.0300481226	1.4810307808
1.4871744169	0
0	0.9244348062
0	0
0	0
7.0106439681	10.48856179
2.6393564558	2.8572743133
6.1012966001	6.4614607315
0	0
4.7291394318	4.2045022012
0	0.756834165
0.5279990347	0.3550268033
1.7480949541	0.9873527014
32.245174372	16.8032947617
77.845078468	91.1282020974
0	0.468835333

gene_expression_table

4.8318140013	5.1170396192
7.0565930501	4.6092892101
14.0071323517	24.841036563
15.147742034	6.8241838192
0.6376946406	0.3835254176
1.4038093926	0.1651863686
29.3871124537	31.7840229701
26.5909172029	18.1325533131
6.8965972097	6.2893045717
1.2646525922	0.9114721299
0.4937489486	0.4647958406
2.7940605081	7.1673458746
0	2.3152597854
13.7156931052	8.5403624116
177.0616191736	114.8732575644
4.111813915	6.6124456599
4.3774177208	8.8423973773
807.8732091418	964.2054392502
0.7070667044	0.332802393
27.2004029098	32.4991481922
0.9605746147	2.1193292861
0	0
0	0
4.875558858	10.944572294
0.5503099119	0.6568008499
0	2.6090069725
0	0
1.1381109909	0.9039709046
2.0927792758	2.9961330679
7.4429364112	4.2038925604
0.0597153419	0.0632403835
5.3980000274	26.9952823766
46.3993122699	17.3822552882
0	0.0181398129
0.3759769664	0.0442412411
1.2723546227	1.0667412835
0.3789407239	2.4078592808
15.5173680104	7.11151681
1.3852600964	2.1190477284
0	0
174.6081172095	93.2060526739
6.882065562	6.3312670735
41.2703472462	14.7509663332
0	0.2857805141
2.68366151	1.6518072197
23.2269712717	11.7524145052
1.0822481882	1.8847538755
0	0
0	0

gene_expression_table

0	0.0748676637
3.1953107659	6.3448731859
3.3883271929	4.357273276
1.2072859271	0.4261843081
0.5240776726	2.2200574884
2.1615426885	1.8313121445
0	0.3916448978
0.7173555105	1.3083748854
11.072820569	9.2834455232
1.0432513414	1.1662149898
2.4722961362	0
1.0014946154	2.1212271929
0	0.1002404915
0	0.2272932731
0	0.0901862279
1.4845603425	2.7201470035
4.4134074524	3.2890648192
17.0083084827	28.2860163566
0	0
1.1476434465	0.8874274023
0	0.003541
14.1930417256	18.1921215767
2.7572339587	0.3244439506
0.4616540874	0.2535067504
1.9578303831	1.5417608962
107.9223181741	50.2677783186
41.4272412095	25.1026688134
1.1305649028	1.9400743058
3.1223577955	0.9018198891
1.2295240985	2.7488858669
2.3859300078	0.8071636778
0.1647780496	0.2714522563
0	0.4903995677
3.2504216357	3.059819086
16.9739482635	9.8329891051
63.8234869952	19.8481612123
0.4306850924	0.354751256
5.636529123	5.4165486359
0	0
3.9087459745	1.6864557078
0	0
12.7901429142	11.5384650969
3.0787835387	3.9448344688
4.8740797716	3.1805032582
0	0
0	1.0378619584
0.0931097721	0.2629496322
37.189642384	10.6971536958
0	0

gene_expression_table

1.1637419431	1.7649736631
0	2.2547898372
396.4650664897	477.184107374
5.2176919188	1.7980440018
51.1665293108	41.7737360314
11.7897293361	12.3122736296
83.2200777162	45.8657897541
0	0.1017907988
25.0702497469	16.377688274
0.1101089709	0.0971739886
0	0
0	0
0.8362292606	0.5903950023
0	0.1570302846
142.599257351	19.2655430648
10.8749803591	8.3945686062
82.692766377	47.3008702469
7.5193930343	3.5392304292
0	0.0247050927
1.7698360746	0.9892196049
3.4571612755	3.6612401082
8.0682834079	6.4620151005
0.3202559718	0.6352537921
311.2129156893	152.1492498511
5.9727523097	4.7791369944
0.0868797659	0.9507528873
20.3290975153	23.4428407297
0	0.0279716532
2.8260953639	9.9764063357
7.5768830026	26.3013874723
1.2889627099	0.7583617494
0	0
17.6864332372	4.9191150945
31.9832569803	20.6172842627
0.0928900216	0.0218607532
2.6899833099	0
202.3935929586	59.9802084768
0.4067045977	1.3559473143
223.2769881487	181.2328353382
39.0918221849	25.537586752
8.4861325756	5.4115722658
0.4780772871	0.2953408204
13.1742580694	12.894978953
0	0.0780453575
17.1610549133	4.4776730923
0.2141612467	0.1512022309
7.9732074579	1.7461093119
1.9648439913	4.5613679207
12.9914891415	0.764354807

gene_expression_table

5.5308643669	3.2540863635
0.9711462937	0
0	0
44.0563766405	24.9845664024
28.5293836309	10.2130122673
3.8977915272	7.6522708025
1.156469707	1.197520607
3.9466639637	0.8127074878
542.1870781874	218.4383165653
3.8223488302	2.3613245595
0.8653021101	1.2218420601
0.7358655096	1.2880166716
0	0
1.7661648053	1.675193523
0	1.7686320951
1.6788775621	0.5079951338
2.2129931912	1.8517553345
0	0.00254
0	0.0182601432
4.6682815695	5.7869915929
0.7019939371	0.1652073706
0.8403931332	1.7552820625
1.4156354918	0.916178707
13.7750325426	9.0050512862
3.6806882289	1.0587057354
10.4466124215	9.5062290576
21.1978188022	7.6612151284
19.1074923723	5.199379272
51.9537651008	49.4839672966
2.9783544483	1.4352303175
0	0.018785569
19.0650784048	6.3095326048
8.2457928392	9.5734602468
89.2013720319	53.9811406714
2.9843469281	2.8620220741
4.4095928201	2.0283379734
1.6033410061	5.1748188426
0	0
0.0764205244	0.0809316854
18.1903374715	24.1083224111
0.8502906969	1.0672402925
0.78233468	8.1470787703
1.0097539871	3.6437469746
0	1.6359392452
4.9617877385	12.3387807398
1.773336877	2.6199514385
31.9263636216	53.2578510922
7.3903999501	15.7775543569
87.7831801988	97.883875104

gene_expression_table

9.7378886863	6.5886845135
37.5917411939	39.8108099762
8.0195301848	1.8348920871
51.5558206262	34.3772737779
122.2722633501	41.3363417386
114.852385552	50.3531185037
0	2.205297295
89.8046591835	76.9433115499
0	0
0	0.5516631613
68.935220326	159.5283917909
1.4464820972	2.0141240875
0	0
0	0.5175754806
3.6558000156	3.6179097516
46.9991881416	9.3776320694
2.583880211	1.8242724034
0.5329285001	1.1413172895
81.9926178372	31.6456964936
6.1547997	1.9554366479
0.2696062962	1.4699062546
0	0.3830787653
1.5790203128	0.7432138091
34.4972352163	14.7337285274
0	0
0	0
149.6865578255	328.1886528398
6.9000857289	11.7730381408
4.0420079686	4.0044423069
11.4761777832	8.7162362525
0.793660524	6.7240872174
0.3143860693	0.3576070723
0	0
0	0
0	0
0.6749998288	0.365365517
0	0
0	0
0.3185054447	0.1311749681
0	0.0746542348
4.2464872001	3.4977915282
7.8206556447	3.6810288155
10.3117143279	4.368169035
0	1.1333559639
15.2452193894	3.5878124815
294.9419156458	101.2253663305
0.9524739933	0.5940117807
6.4247484015	3.4830031412
10.0025052267	8.2389693869

gene_expression_table

1.5250031643	0.7177889996
7.1971756927	7.9209335445
0	1.5315410344
81.112839392	24.6221843202
0	1.0752198361
1.1593049171	1.2732113946
5.7098064996	2.2675727534
0	0.764354807
2.7175981013	8.7619718874
9.9424661798	4.8747117792
0	0
8.0772581392	4.7522582044
29.6481264495	9.3407062613
4.3311757806	10.1929963279
0	4.5312963483
15.5357519617	9.4291124641
6.0395982675	6.0285271793
3.1794259722	3.4011210918
42.9858809354	45.8395043603
3.350789388	3.1543013405
8.9476411751	14.1732457665
0.9033359478	1.0098083572
9.7322183022	7.5868899886
3.1545212933	1.7131974667
15.5068356378	7.754935248
1.5696576451	2.3780349849
3.8134859592	3.0129229935
1639.0844801902	1903.8513410536
0.2313770201	0.7351061394
0.4128886441	1.4089545973
0	0
0	0
66.0604110445	76.6552872996
0.9794978762	1.9209599503
4.7455527965	2.7362070131
0	0
771.7750117978	432.5653753985
7.3994282443	14.8017527875
0	0.1714381447
7.1090766762	12.0250561775
0	0
7.4401424893	6.6481928731
1.4712478187	1.2118529772
9.2167255356	6.9719969875
0	1.2661222443
0	1.2948895568
5.1269722353	3.9213931366
5.0575347024	28.2952761785
31.8022567826	56.6588564852

gene_expression_table

10.7577940026	4.4757564819
0	1.5020938809
4.3495026104	20.9840597754
0.5258030664	1.0105644164
59.8740735635	21.8179734021
92.9422572233	82.4445593698
33.2962869398	35.3573522352
0	0
14.2446720551	5.8919976745
6.1016084964	10.5029746416
15.5965546116	30.6152715484
9.2452290865	5.9833778396
12.105767445	3.7986311143
0.4541491266	0.3874383014
14.9674431972	5.7239659522
11.8250993257	8.5033692748
0.7775865485	1.357230334
0	0.2579760342
4.1299453107	2.0896753437
1.843323853	1.3681641463
11.8178678319	5.7169501515
6.4316978319	5.5815358612
6.2666688603	5.820188508
296.6138247607	538.8745828482
30.9850394595	19.2971864424
0.5002741525	1.0890450753
2.3949203136	6.5889972643
2.9988889041	0.5293192623
0.3945562714	1.7642438394
149.1103886324	116.7623970576
0	1.1613664713
6.075083338	7.3272695365
31.8224702313	13.0553325048
1.2234783221	2.5914023371
0	0
1.8796806476	0.8847287161
45.2360489186	8.5166874561
7.9119099685	7.9134584162
0	0.0151705253
0	0
0.1594827196	0
0	0
0.0795185645	0.0374278245
8.1832903231	12.1328985559
1026.2909430599	746.8509379594
1484.7416161762	1044.1632631144
452.3023611749	440.3897395274
124.9989657053	219.1587173781
0.1905032492	0.8069951975

gene_expression_table

3.7501205769	6.6375415713
0	0
11.9749077997	4.2272652073
105.7929202448	54.4323838369
0.2458492537	0.6571038938
0	0
0.0998581052	0.1410037391
0.6547242207	2.6194094297
0	0.1217483898
1.5571363038	2.687349267
1.620124086	1.1438408203
0	0
0	0
0.2154193617	0.9463408008
20.845178673	11.1978113651
1.1012559892	1.6846034967
0	0
1.1136077422	1.4652466263
0	0
5.8973131996	4.6262489166
1.1417420261	1.4778376768
0.3634128197	0.1282884507
0	0.0682295833
4.5080107017	6.8959539525
8.8656222494	13.8226452794
7.0407359946	3.262155724
1.8041569064	2.8508225206
45.1364299921	88.0142955925
0.1667731616	0.0392484237
4.6823975765	6.5084289775
8.2258819394	5.8956358603
12.6042526076	4.4494303759
61.482538263	39.4805481501
0.5172601739	0.4260623355
43.1977904156	37.2154628701
14.1873257114	12.8211748084
1.9103137574	1.8607350091
1.6735810252	1.3785129346
0.4505149807	0.7775113202
0.3405483199	2.6514537779
30.1220842889	19.833091602
0	0.0653105197
0.4762393439	1.6251345796
8.9825282113	5.2848742299
2.5594543447	0.8658672196
5.1504189441	6.3359796559
1.3308087423	2.2510729053
3.6954691671	12.7554875363
5.0509810559	6.5378429967

gene_expression_table

0	0.0923889306
1.1733998882	0.3727999701
0	0
0.1712853385	0.1410861207
0	0
0.1354294892	0.0956159959
4.0437841549	1.5940386062
16.5128598649	6.4560054503
1.0905138472	2.3372727273
33.5500696147	19.7391974894
4.6578350531	3.0449324461
0	0
0.4954325001	0.9910589233
0.289892894	0.1364468843
1.572627518	1.8736435173
0.1868813533	0.6157296452
10.7723381135	14.1738706369
0	0.0508931213
2262.9087368693	1887.9722148051
11.4090404186	7.2006965165
7.3697559658	7.4106164808
0.4214704172	2.6285063399
18.0139278074	10.0887005993
6.603843638	6.685775924
0.8863453572	0.7648397703
1.0785154648	3.4265431338
0.558368081	0.6132300421
0	0
0.2851056352	0.458494854
0	0
38.3668189427	14.2520571347
0	1.9060817693
2.3891501517	2.9518807311
0.0776840518	0.4570544438
0	0
6.0685424919	3.7744540567
0	1.3731615645
0	0
22.4533386112	10.3922058479
0.1785617011	0.4832615169
0	0.1583605863
2.5791289521	1.8209179171
0	0.494840175
0.1441990829	0.2545187722
4.1058926777	1.7715160277
0.7512749287	1.4546243318
58.3983795002	55.2694964089
1.8320360883	2.2481480431
0.5652521381	0.2327964323

gene_expression_table

0	0
0.3918812503	0.276676197
3.6359059451	4.51903208
0.099478743	0
1.6972954385	1.8973485141
0.2334256184	0.1373360602
0	0
25.0627859129	10.1113375364
11.4298436694	3.4414913963
0	0.7628291487
3.004075176	5.965139991
0.9141794833	1.0488228686
0.3865663839	2.183390339
5.9425883211	6.6699110183
112.3888046295	69.5855250513
51.9809582857	43.5576324766
0	0.3416741787
11.7446833143	8.6984571691
5.3991311303	19.5359735102
29.0665492783	16.6250772328
7.5530485159	5.1605875199
0.1762652447	0.1607438821
2.5856235114	3.0489787643
1.2574726769	2.101130194
0.3972626189	0.467459256
2.9413415283	2.848734284
0	0
0	0.0708529803
0	0.0296582266
14.5958006783	8.8164439784
0	0
0	0
307.6313184927	175.5103174748
0.555210453	1.4808509702
40.768221936	44.4981663086
1.7933846156	1.3189232358
11.8947553257	4.9292263123
0	0
10.2627934668	12.8310025104
2.1915337329	3.1068153947
553.685857683	12.7471815366
0	0
0	0
11.0301598733	3.8937595048
0	0
0	0
25.8123420722	2.0248936338
0.5373384523	0.4173091601
5.3648816241	4.1664880584

gene_expression_table	
0	0.8484381136
0	0
0	0
13.9457852635	3.9773431481
2.3680291538	3.3690857349
16.5501446869	13.1827852346
2.3534159946	2.1600279241
0	0.358022188
111.7504177499	25.3600990794
0	0
5.137004486	2.8208681553
2.4522575039	6.1421492135
0	0.0652086359
0.3251643098	0.5739316731
11.3564192545	13.8085449705
0	0.1461921057
0	0
7.4785705978	1.8605799445
72.3199948227	110.9438793964
4.5091794582	25.6454503277
0	0
2.1702736605	1.6599458406
7.6587943495	1.3017491814
1.9842857742	0.9666530423
0.6902320234	1.4619538787
23.9307026724	10.4189328051
3.8463696909	5.9104580473
2.8111965974	2.4214101678
17.5579553301	2.1747853393
0	0
132.6754964909	79.3790024496
607.8421382966	283.1315055399
23.2935588881	9.1118234541
0.2492787959	0.1173306271
1.2554452258	1.4638535978
5.651708594	5.5973949436
0	0.8107206303
3.7184606692	3.4746742958
9.9629696329	4.9685032779
6.2562713279	13.9873434389
4.4831709175	1.5360580762
0.905293144	1.5978887997
1.1943412846	0.8432294331
183.5059056271	91.8690605806
10.5587855198	7.1884790857
3.5765342854	0.5503437311
0	0.0332269905
0.5858872543	0.2910859205
0.0366319902	0.1250041911

gene_expression_table

0	0
0.9179574434	0.3240483874
2.7197874471	4.094274334
2.8744845285	2.1046096394
0	3.3304087991
3.1748304349	8.3018347296
3.4287349678	0.9798302883
0	0
59.7521466572	28.7100803886
0.2755456076	1.1023981396
4.2592308191	7.9354140736
0	0.0704862078
1.5594924121	2.8902132406
239.5075791188	99.8479066208
253.193726497	108.7053822081
1.3227019001	0.6225697729
0	0.0471964727
9.2685084403	14.1781401248
0	0.8081439871
0.8910129918	1.0191606461
0	0
1.3855415019	1.2499486806
0	0
1.429015171	0.4203808368
0.0999456441	0.7056367381
0.0825819634	0.0550654171
4.1300086792	2.1432896482
1.0263065986	0.6642107082
28.1465666434	6.0139108089
4.8906894387	6.0934006095
32.5498401517	32.8115533407
1.1137594431	2.2279548362
0	1.6808584849
17.8834352194	7.1547740817
7.6565859459	2.7028533261
5808.5239959741	2785.0694030959
0	0
3.2203892251	2.1403288555
0	0
8.1834635915	2.888846536
5.9987087065	2.3725026441
2.0890267192	7.3042453353
55.2427284681	40.8030837245
24.3283761201	10.6874956646
0	0.0168826326
2.2796791433	2.1843217175
6.0797249747	2.9638072347
4.5910163941	3.4377972562
0	0

gene_expression_table

0.7214583883	0.4754067858
3.3130190465	3.032113998
0	0.0176367226
4.4428324235	4.6179647556
0.9714740868	0.7838635683
0	0.0298294096
0.1418920077	0.5927237768
17.2461090832	18.7376751418
0	0
2.7193061921	2.3465272387
0.4228491428	0.223905123
0	0.207543974
19.5535314001	23.9089954968
0	0
1775.3857327909	2114.9825325249
62.779385398	54.8767553733
3.2586736781	1.853333954
1.0525430139	1.574700197
31.2425841935	9.1907937384
20.1921406139	5.7703121251
108.895934666	56.1835571715
0	0
0	0
0	0.0151468793
0.8847357261	1.1451761959
4.202676418	4.615606666
9.4010702948	33.1867418386
0.8660355104	1.5285970642
0.7914907426	0.7450782551
23.4195066388	7.7161708544
1.3403036408	1.2147306007
0.0621585356	0.4242236051
0	0
0	0
0.2647057064	0.404923254
3.5918441876	4.3110565812
2.1683130758	4.3571014601
0	0
0	0
0	1.0144732731
89.0767514174	111.049031507
0.8608841349	0.4052012326
103.9389006214	57.4833459119
17.3281087926	14.7435385414
30.7192091595	24.5801769971
190.9263240661	103.5272153293
0.8367180507	0.6399684396
0	0
0.4591815712	1.5993452433

gene_expression_table

0	0.1021841756
1.0806867296	0.1907467468
0	2.0971231324
0.438778753	0.2524188703
2.7725739022	2.6099920239
0	1.0275654127
0	0.0127735959
0	0
0	0
4.4379859755	4.3953363564
9.470897456	8.5440499349
1.203290168	1.6518979717
3.6336596295	2.626520057
1.7862827232	1.5414082747
40.4388528566	54.1998286233
6.1861169181	5.9620187606
1.327243347	1.3951797319
7.1140615665	3.7072112582
7.4017900152	1.9451646588
1.2805964082	3.2397895591
4.0427859153	2.7401181513
0	0.3208176567
116.2396396875	72.8889590872
5.6255482567	2.1386359096
4.2593872819	3.8091386789
2.8588921179	4.7470634978
35.0407052042	38.9787292439
0.2649119365	0.4468016728
1.5426427583	1.3432694778
0.4928674564	0.1739872645
4.566206943	2.8400457512
0	0.006441
28.1742323007	24.3119379909
0.539815737	0.1132315948
7.440643808	3.2103176573
0	0.875004677
17.118331111	9.8133316976
0	0
0	0
0.882244935	0.5536737883
55.7901224238	17.3859740408
7.9183084292	2.0596535073
0	0
0	0.3356557101
0	0
22.847366414	10.911950275
0.1440174693	0.3135111317
3.1966541847	1.5046022612
3.1807164033	2.1052978044

gene_expression_table

0.1134366458	0
0	0
0	0
0.2057993304	0.1907043423
3020.4572909146	3049.2490574666
0.179348864	0.0633119875
0.6353302462	1.0715508727
2.0688673431	0.8785145585
2.5026618938	1.5565817246
0	0
1.3178423417	0.9476537802
0.8509771499	0.4339163938
5.7605025204	4.9385399263
1.5797210219	1.0622051702
2.1824469317	1.7976609911
0	0
0	0
20.0296328023	11.4898317653
0	0
0	0
0	0
0	0.8163056901
3.8936512505	0.6872494025
0	0
0	0
1.0797809744	0.8047001446
0	0
79.0823069488	57.1026784516
1.0556272416	2.1737755518
29.7846771863	9.717758764
2.5014894846	2.6982127048
0.4082310215	0.0480365785
0.0754587701	0.2574979538
0	0.00583
6.3267477458	3.6727134199
20.0534487354	18.2657561825
0	0.021159152
0	0
0	0
8.3938929734	3.2717896675
1.1708070927	0.4723507493
28.6774193338	38.2929478517
0	0.0570361575
0	0.004534
0.3770075226	0.1996312802
1.0928573331	0.9001762966
2.0019863009	5.5752488598
0.5463840836	0.2828894676
0.4404823144	0.5597811804

gene_expression_table

2.4469685612	1.6611634343
11.5323579762	9.8183919945
0.8897051218	0.0523458381
0.0314808846	0.001852
2.9880885375	1.0841266035
900.440578045	669.8129090607
43.9800639464	43.471157548
0	0.6944718727
0	0
0.4060352166	1.0988985517
3.0505479742	4.6215872794
0	0
0	0
158.5933899327	82.4070996708
2.1835155096	4.6248201477
23.0646002875	18.416519806
0	0.1759634065
0	0.005033
16.2292811281	7.3897120539
0	0.1638141603
0	0.8397177071
0	0
51.8323829183	47.2681864602
44.5212470073	49.3065304411
21.7077601306	12.8878767494
3.5570681965	4.2693172246
0.8505651452	0.4303701086
0	0.0703705995
0.2225056718	0.9163791353
6.2109219783	4.3850382522
0	0.2507283338
15.9159359897	9.2506427767
7.6211710411	6.0212628846
4.5838719347	3.550948577
0.2419612495	0.3131876052
1.7418658262	0.6148964924
5.4283258702	33.8538326381
1.4614565604	11.4359860945
0	0.8667154918
0	0
14.0902953686	9.4299104594
0.9037901084	0.3722217018
0	0
0	0
0	0
49.205569802	38.2954186833
4.3190434548	5.2516294475
14.1014843828	28.2084883966
63.2958272344	19.0921211534

gene_expression_table

3.3140812599	4.7813494685
11.4248750362	14.8671063657
1.4738004613	4.4222667006
2.6418615867	2.2204862421
0	1.6646819552
0.5681270057	0.5348124182
9.9646820719	5.9408945294
10.2112761416	7.8959770022
0.1831495356	0.1508585482
0	0.8568838628
50.9162545124	40.6078350636
11.4339023527	5.8180680919
228.2461428903	84.3034702226
130.4130313365	60.2977988585
0	0
6.2926864533	1.8174950378
108.3198126992	55.4623305069
25.4855461114	7.9970302472
3.1993885541	2.6980516179
3.5872269714	3.2713470578
0	0.0104826326
9.7807673338	4.8337955832
7.2420624333	1.8463772
0	0
4.7514256685	2.4227695087
247.2435884482	92.9326971397
4.4552945471	9.5414388529
0.9439183362	0.6108902227
0	0
3.3071367314	1.6538919872
10.1280760088	14.6338460231
0	0
0.2633852625	0.5020795672
0	2.7103165087
4.1589354396	3.8334945349
0.1157321585	0.5038738726
0	0.005173
12.1906189726	7.96928419
2.9519756296	2.8578190312
0.3521675128	0.3646683101
11.9124183001	8.2588726
0.0175206828	0
0.0875669733	0.1257089595
0	0.014403154
0	0
0.8805230828	2.1240301085
10.9355731195	7.1268358358
0.0819639275	0.1543152353
17.5294362799	10.1759384844

gene_expression_table

0.8988088695	1.2162735208
7.2690765838	4.1258196277
55.5941293518	25.2864410781
0	0
49.3772378034	22.9918852229
0.1048422611	0.0308419941
0	0
23.7787904661	9.1474785526
2.2816529692	0.8949409858
0	0
0	0.1482659941
40.8166745542	22.2679979051
32.9576927836	20.9875512311
19.7024707881	8.96444466913
0	0
0	0
0	0
0	0
2.1727951538	2.2584447229
6.6304225412	7.8020237504
6.2224032837	4.7592396466
0	0
1.8858102072	1.0540413629
2.1465116659	2.766354651
4.1307183424	4.926303779
1.4525768336	1.5952984834
1.0868485538	0.6698976965
0	0
0.8494310749	1.4493130717
1.5983019127	2.0553617803
0	0
0	0.7217558694
0.9503552333	4.622239698
0	0.8516687456
7.9655161802	3.4563046473
1938.3429810316	2399.7757290597
2.7285337237	0.1605333957
0	0
0	0
3.2981060434	0.6953250751
6.692971634	4.7253751921
0.5042051825	0.870171368
0	0.0152561224
0	0
641.1084392716	1769.2308195266
6.6184538072	4.3038616514
0	0
50.4584389919	53.8736157445
7.1734663434	2.1383927078

gene_expression_table

1.3451320849	1.8993816594
17.9892903683	9.7080887316
6.3795069891	8.169133376
102.6357213098	62.8012003403
0	0
14.357845874	13.5159113997
0.3209679793	0.4154516187
13.1658537253	10.2248989203
0.1168695048	0.0825122664
0	0
5.4845579958	1.9361051944
5.6862851546	0.3345528249
3.7789342824	3.612923544
0.1811778778	0.2664902005
2.3744832791	1.8034364428
0	0
0	0
6.0097852547	2.3867052759
5.5760184949	4.3420404885
0.8741977263	0.246880607
2.2340855605	0.6572125869
0	0.0287286085
0	0.440897333
1.2904950065	2.4676056495
0.4766857449	2.8606742252
8.8551275843	3.5890546344
0	0.1398109718
9.997000513	9.7611845907
0	0
35.3216005041	6.4653488446
0.0697126699	0.1066402442
0.2035451121	0.2050818963
4.3045985401	2.906998525
0	0.0983289609
0.8137117394	0.5106641516
1.5801253513	1.2577853212
89.1853329467	38.6386405734
1.1744877105	0.5528082685
2.8621265712	2.1329822626
65.1807540441	30.0893126004
1.4325042233	0.5478293983
0	0
0	0
0	0
12.196656604	7.0862091638
1.3922461107	1.2833014443
0	0.0272919152
6.7645786331	3.2145690779
0.7948029982	4.9568003698

gene_expression_table

1.6716507683	0.9179486667
3.7337274981	2.0319846249
0.6793278763	0.7593973963
1.8045756852	2.6543071478
4.2535140145	1.6193014261
13.2432468501	11.0814859705
0.0337111339	0.0238007517
7.8569948706	8.2943839571
5.2054843492	5.6352739649
42.9975972278	40.07148443
11.1435887158	20.4339110041
54.4887942827	37.0046742333
4.9857688591	2.2933691876
1.9330317021	2.2746000208
43.3244993449	20.2676484458
274.969267189	125.5399478804
5.5207762065	12.9926039601
0	0
0.5897473174	3.5391764249
6.4928346169	1.7826955824
2.0651344813	5.0220939746
0	13.6126187476
6.4892008388	1.527169611
3.4416456096	4.6977532305
2.0474120742	3.6940936338
4.4302107972	2.9131653607
0	14.2649050805
0	11.6712859749
2.2054205567	1.7795110038
7.5763525497	4.0436348164
0	0
7.2816182979	8.7035750736
1.9826957804	1.7497798375
13.4367689182	9.5331374447
0	0.0169014549
42.528257258	21.0180750733
442.9224359185	462.7510601328
11.4466696864	17.6784638555
21.913976411	2.7075504092
0.0611863122	0.1007971786
1.3784749339	0.8110263039
19.9749780749	14.8302665557
7.1158005906	3.8418067268
227.1728851651	162.9628542576
0.2137207076	0.0502970671
0	0.0539488034
18.7488746682	26.2976852737
2.1547460666	2.7098065394
0.8518305184	2.831637856

gene_expression_table

0	0.0751000875
1.3391818229	1.1030714598
0.038155415	0.00898
0.9507822849	0.9174047742
2.937203379	2.3041397819
0	0
6.0996625847	4.7632354435
1.8406362604	3.898580809
0	0.036675963
2.2365301126	1.0526907417
0	0
65.5556065444	75.9115136974
1.7842583957	1.25194694
2.5715665026	7.1677533018
1.569428937	0.8038786905
13.7861866055	18.9924728817
0.5492156765	0.2585050184
2.3429412914	3.0939004301
0	0.0410135551
0	0.1562641253
0	0.4943811529
1.2006652184	3.1867024963
1.6047199583	1.2588502115
0	0.4166050878
205.6405991793	100.8239437769
2853.9580453674	1428.9045015052
1.2177620601	0.4401177878
0	0.0421898236
1.7526080079	1.6498362471
26.7356196774	14.3535456297
0	0.1602693916
0.3472630254	0.3745726347
0.8769239299	0.889001828
6350.6194161707	7054.7496810915
0	1.4201397956
27.4857527402	17.7421759489
0.197915918	0.2484136814
0	0
3119.5813301127	1832.1584723447
0.7784364315	1.483898616
15.7639409845	12.3662950283
1.9446624585	1.0011250994
1.3516418975	0.305861183
44.6355411941	51.2787204802
2.3330725701	4.6670583561
1.4269246177	0.951469255
2.7624673144	12.1897409984
1.3228037578	1.5565442883
0	0.806581733

gene_expression_table

1.1285828037	1.3554802808
0	0.0680600865
1.3761354023	1.1874864312
0.8649646274	0.9042802413
0	0
5.5146562166	3.7437118747
2.7057481885	1.910313694
0	0.6016285962
0	0
0	0
117.7691086307	60.2188782977
0	0.3025687647
1.2517547446	0.294588171
0.5146565847	1.1102608617
0.874728955	2.5475033753
0	0.5195949984
0	1.1403989723
1.2365259741	0.6062588117
0	0.1785349913
12.0591825885	6.3855226075
6.2835642703	4.8060189663
0	0.5854674436
0.7513984135	1.7241337263
2.8079393195	2.8556903576
1.5444057364	0.1453842817
0.0699356916	0.913456593
1.6976433468	0.4661109475
6.0339359019	5.5708770549
3.8729074799	3.9875967873
0	0.0384795305
0.443343825	0.3434413411
0.0857439379	0.1917004305
4.8783243677	8.0968842188
1.3936698173	2.4977432545
0	0
17.8761563846	6.9835828726
7.5623542686	3.8560723905
5.833033534	14.4138444209
5.3066851082	7.3371474467
1.2527717936	3.4806027079
1.9501045978	1.4751576716
32.1151550607	12.7630140346
1.6822128004	1.4351093768
10.6213121059	8.1487656593
0.041404575	0.004872
1.8944760834	2.6750779104
0	0.5213895972
0.3464164219	0.3261027948
4.9360233963	2.504796108

gene_expression_table

5.2275214981	2.7680530137
3.2191970845	2.6516223314
0	0
3.2421508427	2.7659051662
31.2844312411	13.3225887958
26.8872262641	28.9739503395
10.132235826	13.6168760561
0	0
454.6253467459	835.4559790358
1.7557693375	0.9338388921
0.1471001439	0.5712064456
31.5246148546	50.5438402735
0.9747384753	0.751906213
4.6043315856	10.1495716847
3.2246404222	3.2379196434
0	0
1.0197087328	0.5399514535
0	0.1485565787
0	0
8.4382279079	12.1824503006
0.1051097071	0.1236826803
0	0
2.7007831615	2.8891034593
1.2889732978	1.971756745
0	0
7.3372466011	3.5398351273
0	0
11.8384563003	12.2360931489
0.8213898966	1.4083725457
0	0
14.4365284476	20.5063092277
0.3230201185	0.0475122555
5.1095915196	1.374276712
18.0418631621	10.6149377371
0	0
1239.2619185853	1041.7610411514
6.7191516581	10.60779543
2.513906136	2.7493073034
3.6074693456	6.6454832318
0.3112090972	0.219720003
0	0
3.1029588902	2.0994712349
5.2217200913	10.7088156101
21.0487311818	23.2819760128
2.6442801566	1.6594808918
0	0
0.39578995	0.4657263652
0	0
5.6422890797	14.4404476583

gene_expression_table

0	0.398659809
1507.3026767184	773.0218599143
0	3.7125804911
1.3133641497	2.2666404838
7.824613867	3.2992573028
4.3714764209	5.0581879617
24.8710940773	37.7012843986
14.4283612367	17.734985731
0	0
101.1036540517	71.711721337
29.8272873372	16.8622010107
0.2656846692	0.8128415684
24.9257479887	25.745352579
23.0771914235	11.0430131835
2.9440147753	2.540431409
9.1456886408	5.5243595965
3.1596393067	2.4309674483
25.795416739	69.4935130385
11.209768443	6.2498053257
11.8316856683	9.6586333807
20.8062447223	13.9551535739
164.6039537616	112.3004453521
0.4411862494	1.1940317261
23.6353341667	8.3435152452
0.4344041306	0.1022327408
57.8208231062	35.1297268596
0	0
0	0.0954715284
0	0
6.1975835151	3.4640333105
0.0368772138	0.1475377243
0	0
1029.0949563501	1030.0627773009
0	0.8843774626
2.5366389268	1.1086641974
0.8471868385	1.0566985892
0	0
5.9607773282	5.3189891816
4.3001424339	36.9378627519
14.289070745	9.0264424883
0	0
1.8199732627	5.7822229635
26.9390964876	31.139858711
1.144402602	2.9086981178
30.3214018275	48.1669455056
32.720515109	8.3115984441
41.9133316181	41.318741211
1.2766273482	1.8902789895
0.691113543	1.3011742146

gene_expression_table

36.0301545176	19.7851327141
6.2362781341	4.8921557979
34.5126191404	53.7113593629
8.2268369936	19.3610519437
4.3251656441	2.5447130156
0	2.6366500265
0	0
47.8930361785	49.1547599439
24.7058265833	16.7667417858
17.4302272183	10.1929294648
0	0
0	0.0346468796
62.0555877723	78.1752758297
0	45.9384959754
0	1.4890137043
10.3124361881	10.451458584
5.6172778426	4.957391652
5.179683748	4.4476576046
0	1.8312909724
30.3055516436	172.3594118471
9.6299190722	11.0482454816
0	7.5355951659
55.3354452147	33.0575036017
1.5191588623	1.5194561784
0	1.1519531666
566.2664659352	338.7940379003
28.9569869335	37.4810818206
0	24.3960471063
83.087811242	38.293052987
13.0104399224	11.3544683584
12.2417585823	25.6406998631
174.2353504569	189.5562441098
0	0
6.9664167621	2.4592165293
0	0
0	0
0	0
0	0
0	0
0	0
404.1796621813	304.184903743
0	0
0	0.0297552478
0	0
0	0
7.2443770253	7.3660116366
32.6494388741	69.1535196596
9.3537464173	13.7582015415
0	8.4206714767
4.021400499	2.1293933989

gene_expression_table

15.872124047	19.921857752
3.7456079787	3.0852220291
3.0485628803	4.8171595739
63.9637074368	101.3339359031
16.9200745085	15.9776673263
0	0
0	0
0.5477622102	0.8180855492
1.9621368022	2.9726418212
23.0863811302	28.9768149192
0	0.00722
0	0
0	0
0	0.1123773438
18.8367467485	16.3631444983
3.834562197	4.4325066762
13.8066730529	13.7387389804
0	0.7818277519
0	0.0230378963
0	0
0	0
3.6089307847	1.3125953062
0	0.0111744484
18.9273654241	221.6048749293
50.5775531465	45.8758753429
19.9019980412	40.0069419765
0	0
10.7632196597	7.3539229799
0	0.0548469742
1.3629304983	0.3385718632
0	0.0261861806
13.7661953308	5.7121708872
0	0.5653090244
1.1034778692	1.8178486644
241.2308191061	200.2134560041
0	0
0	0
0	0
2.7173433463	5.8087920093
8.5508142027	211.4979897232
2392.2365653436	6172.5142431845
14.6745945049	13.3431513494
0	0
41.2043498892	35.482345772
3.4543597863	4.2454035189
32.9090992037	19.2410692658
0	0
0	0
4.6874070718	8.6674905778

gene_expression_table

76.3841030862	69.7176151341
8.0815743173	5.4416017316
0	0.1805443073
22.285463989	106.9911623963
0	0.0829638276
0.399893225	1.1920718873
0	0
15.8720571945	31.6066604228
18.6202120728	18.9121512414
0	0.0218567609
3.9593591415	1.024975867
5.2240592826	3.8112360551
0.7553683426	0.6913219916
52.4818469908	15.8154158331
12.4588616735	10.1105882431
0	1.1481895082
21.5392835868	38.01793952
4.184430249	2.461911287
21.8213374903	17.2518593958
0	10.2754430673
0	0.002188
0	0
0	0.4857633835
17.2890539906	9.6634210389
3.8793215092	2.0190465363
0	0
17.2869059619	53.3399771379
1.1357531647	5.7466993055
7.1053978817	4.4901278017
0	0.0675686561
8.8098805652	9.2435461652
15.1501359654	2.3769570217
8.7994111357	12.3309995648
8.5589944806	5.680256044
6.7611398259	2.7403445061
0	0.6198959754
6.9487681571	7.4332920935
0	0.327187849
29.7797319016	17.131563992
125.3412805437	208.7791418058
0	0.006208
0	0
127.17125501	159.1097021163
85.4559870148	46.8106128935
9.221332956	7.2338334684
16.6082112568	24.1494358677
0	0.0252319695
13.5307413393	8.3069398184
3.2225522321	4.6451753862

gene_expression_table

0	0
21.9340819273	10.216399968
1.1262167647	1.2130861914
1.3325637911	0.9408173566
9.7139037388	11.2931943509
0	0.0592827417
0	3.3565376716
0	0
750.1401113928	715.6447451423
0	0
2.6595341611	1.4395589931
3.5671018072	2.5650849157
0	0.1477170034
2.0848613109	1.6866149083
0.2988153993	0.8790408259
62.6543796316	27.6357402591
12.42355519	10.2331654487
1.4681306103	1.7275505172
30.0168376795	15.3998853703
12.84846031	13.9181838827
0	1.5079280841
4.8442896064	4.7882348908
0	0
5.8365569611	22.6640088118
1.3297396302	1.157882244
0	0
12.444525773	11.6704129155
1.8232701291	3.8617982748
0	0.0779793406
7.9478612675	12.6406285344
0	0
1.2568067478	2.5352323738
22.0086758472	14.8191978317
0.3894723709	0.8707556827
178.1091253276	67.4304591296
698.7287225532	1000.7283725551
7.9986920936	6.3060853436
4.6949013876	4.3091056241
11.5317102865	27.4101337426
0	0.0426969761
0	0
8.2782899666	5.6498210223
0	1.6487309225
1.044303707	0.7372998273
0.4928297485	1.8363917281
2.6422615072	1.3213893134
0	0.2017169831
0.9249930941	0.6938805941
121.0166111815	51.620126006

gene_expression_table

664.7068201328	205.4950450832
14.2261779285	36.8279020298
119.8115363063	163.1367019161
10.3542107551	9.4424515537
0	0.1648331377
18.1844173526	12.5328911926
30.7231162131	17.380729109
30.5147948789	13.7290647224
9.7612527329	1.6271938529
2.7195102868	2.8800450263
62.8888334199	52.0652305328
36.969259318	79.0941061142
1.1107187458	2.4832689867
1547.5744637036	2151.386078076
24.5574703103	12.0032844323
0.6494143773	0.3566110058
0	0.6723203639
4.2851244743	2.1429815601
279.2606950584	200.702613086
367.568472735	86.5036258647
3.1746420959	3.081873308
0.7118006496	0.7280471957
3.1693054691	4.1022568362
0	0
1.0074465696	1.1854632211
0	0.0609329176
0	0
0.8201349615	2.3161283885
4.2239377442	4.9703110768
197.8716582077	107.3692799006
39.3707481577	61.4698516208
6.5232261735	4.4008411317
0	3.5980309348
169.3711936767	96.7330386075
66.4670591236	35.6617307355
0.8957052189	0.5269885402
8.0193063789	9.3866596579
3.8534077962	4.1233864985
4.9569513573	3.9663371897
6.8990182778	5.5473550618
42.325032072	22.4570315624
6.5330764361	5.6374827718
0.3640015087	0.2141604399
0	0.2543147739
0	0
9.6008148206	10.7324224886
10.7822318417	8.6999734128
1110.3683735944	1929.5550611454
2.7279559709	25.037906968

gene_expression_table

0	0
6.5177625586	6.3656490233
0	0
2.4155585592	1.3556012783
0	0
207.1318318736	100.1278226301
0.7147737298	0.7094283481
0	0.0213112739
15.1530233555	14.1530191105
443.4492016736	357.0751358813
1.203739884	0
15.2943708861	10.135095761
14.4495589188	7.2545314416
4.8971329683	1.3741251866
2.219778893	2.1549129362
59.7059941237	28.6879047344
14.6997856033	4.2188414671
18.2301813044	8.2313778658
0	0
0	0
21.3587783048	27.1892198486
2.0501061528	1.7775296183
25.7419373333	3.6781393305
2.7736350729	1.8000013493
0.529870741	0.7081171122
0.2912780179	0.891142427
3.6137707963	3.086874501
45.6511204604	42.9741693049
0.9194132247	0.8654994484
20.5423146106	4.7538578944
7.1017833058	17.6534745777
14.3800602793	13.7675644712
2.2803068083	4.1590203395
26.4397866986	7.3112539942
2.5720727726	4.9433816321
0	0.01888704
0	0.2734990855
0	0.194629653
13.2795708465	1.9232101074
79.9810789207	88.8545017409
57.8973238623	50.717384122
0.2535003686	0.9247116968
0	0.0259943021
8.2130354284	2.543233068
1.2621032865	1.325182209
5.972620455	2.2087960668
0	0
0.5931358376	0.3210539807
0.948900842	0.0558286207

gene_expression_table

0.0673515382	0.0515141974
0	0
5.930775871	17.3072973421
5.7239402821	4.5223167134
1.0421074255	1.7693016658
2.3603146418	4.388267057
96.9398185039	29.5783998964
0.8580713814	0.9339663138
6.2082299083	2.2727380126
9.8280222235	6.823138763
3.4300142168	6.2930221569
2.8933939031	1.6212662028
11.4556735647	40.7507766282
1.0176324433	2.6743026488
0.9612705643	0.8360510396
0	0
6.7610741181	9.7458079234
7.7888789066	5.003693042
7.1959933338	4.4031163151
5.9272590015	4.7161652798
65.0539171617	32.0830362363
2.398877128	1.8952821998
5.4507625658	2.8862625917
0.4153212008	0.2182899326
47.5298383227	162.6584314866
4.1492764414	4.9801062005
0	0.2295864659
6.862676708	6.5140893876
0	0.042872061
29.7111845869	15.060198787
10.6696895506	8.1308782676
25.2392339112	14.2838180626
100.3528270827	36.2399577437
0.0811940779	0
0.4532317827	0.0399988663
0	0
2.952723954	4.4299527518
0	0
0	0
0	0
0	0
44.8372160047	0
126.3061444317	0
396.0008216812	326.1821486778
11099.3953383631	1830.8257511428
0	0
0	0
0	14.4837933171
5.7837157046	4.0834218645

gene_expression_table

52.6562400492	0
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0	0
0	0
74.6132822318	14.6329186022
0	0
0	0
0	0
0.4466157478	2.4962823389
4.8376602382	3.7949858992
1.4888166485	6.481999644
0	6.5000274551
13.4214617627	6.1957331494
58.4647245228	36.5145294401
248.7109407728	162.4253964845
0	0
0	0
38.8048997953	4.5661758048
27.0719216877	26.2808311379
0	0
160.7055309609	0
0	0.9321400085
1.7272056217	2.1340245147
0	0
0	0
0	0
88.0402737952	0
0	0
0	0
491.309494018	77.0832390096
42.0105219523	0
0	5.0644889772
0	0
73.3854687267	0
0	0
39.6813965052	0
41.3808139144	4.8692838347
0	0
0	4.8279311057
1.6418028204	1.6421241393
0	2.8720625839
8.6711941659	14.7949320708
4.3990075343	11.1290790671
3.2910150031	8.2614188948
0	0
0	2.6358824931
2.6179507922	2.0536965914
1.154893928	0.7474305581
1.0031061561	3.7771387296

gene_expression_table

0	0
27.6200668386	21.1253612388
0	0
0	3.6785873411
0	0
2.2713728371	2.5390900015
0	0
763.939506072	1270.4852681971
89.5156080836	243.505321923
66.7332607702	57.5850614299
0	1.7559502323
0	0
9.9811514865	4.071540825
0	1.8853119573
0	0
89.3634224187	68.3501090409
152.9883174428	378.0451103176
27.4060502069	29.1640618179
24.1923386305	21.3503588268
56.6119943289	25.8558004533
23.3494333346	10.4905682264
173.4765252212	261.1816825505
0	0.9104015817
9.393149756	12.5266507982
11.6327103675	5.9315620086
83.9699317722	49.6013594548
63.0033316771	81.5496803926
11.6914113452	34.0180348594
1867.4022674152	1800.9762772079
33.1800728092	28.3812718152
557.4473105205	193.4207753994
0	0
26.1854201871	42.3670580261
12.6182436161	15.2190952632
0	0
6.1154557272	5.900770733
81.4821086355	25.5680174368
0	0.7154178231
1979.2560549058	2274.6267301068
2852.9867482022	4820.3821069102
1.2441952162	7.0274186478
9.5172815061	18.6183260437
23.6495554761	17.439163072
0	3.7930868237
0	2.2779419492
0	0.3301568858
55.8118125575	17.2393742117
144.8328487005	35.3023078012
176.9026006778	109.9092393641

gene_expression_table

0	0.5489994087
1010.37964189	896.0661388884
4.5183166	14.7538617101
15.9030367012	23.9112045298
3.3312946213	2.3519623004
39.0400810061	28.4818675048
57.3437391633	41.3855411814
147.5530620705	78.1316152023
0	2.464992467
22.3721643835	34.9157201314
0	0
0	0
0	0
0	0
23.9391020106	76.7609647059
220.8389266176	129.9306748369
5.9510747739	5.8021830076
10.4177035569	69.8735667895
0	0
23.0832056769	14.0748687582
82.593395603	96.2395448366
3.5523603121	1.2540196052
159.1176623964	176.9360226834
15.337174681	28.8756260417
509.8061691157	800.9460091276
338.595497724	232.6102431488
0	0.5736879346
9.689874694	25.2112738652
0.807051163	1.8993155571
0	1.1108722769
44.1647538307	54.8919423057
21.1740395523	23.6697345498
7.7922742331	17.4214336552
16.14102326	23.9788589089
0	0.1102577362
0	0
0	0
0.5665447112	0.3999921813
8.9377199251	20.1576264812
0	38.7606059792
0	2.5400229554
17.0013255995	28.4522297654
10.4997772877	18.5326450757
31.2131477457	42.4673709767
208.5702957863	404.0070467974
72.2423928899	94.0397505814
0	18.3450759506
8.1230937781	7.1688384325
0	0

gene_expression_table

7.4254909118	694.2008396145
1.4895051717	37.5078224038
10.4760607687	74.9904026053
0	0.9125022274
0	0.9440723294
0	0
4.5088287676	2.6527712912
45.4942972116	23.2869322486
334.371492571	365.428268175
101.4427301735	62.0193286131
57.7266353307	67.1278391375
0	2.4709234485
0	15.1294447823
49.6434472393	37.3505076456
0	5.8918034012
0	3.3025278495
0	0.1500069629
26.068852149	41.7183265758
53.501772143	105.1358186547
0	1.0359706382
22.9293309184	27.5205821286
10.6895031426	4.6120606727
3132.1072664548	5079.6984493326
43.4347408085	28.9621609764
43.329237888	28.8918119307
17.4885430752	13.8171830494
69.7030437727	111.8871555203
5.4620802991	21.2098737071
56.3406416853	85.1649645617
59.9283925406	90.3357201642
10.1656181473	18.7402964908
796.4444688375	800.50524541
0	1.1498288032
32.5772759576	6.133393259
32.4242283524	8.8046807594
3.0820297331	3.3546299425
28.3601148794	21.3880149863
7.5415645166	9.9587854752
0	0.0332012783
1169.8986106852	1375.6563160268
148.7070875995	244.144000139
7.5110529641	5.6047517059
0	1.6858421511
1374.9338492265	2006.7552848407
0	0
5.8201506168	6.5580304464
216.718559916	140.9353267277
2.4862948967	1.8351649513
80.7235403357	50.365442547

gene_expression_table

9.8136051165	16.0904900424
0	0.4078008059
1.5876905462	6.4142796585
16.9417066903	15.8533262495
1.1283392168	1.8322504263
27.4797969975	29.4099072454
6257.6445676569	9576.2084450634
1.6455075015	0.1936270053
0	0.1513045147
7.605308718	4.0344632963
0	0.1497205393
0	3.0739514036
0	0
10.5232432721	5.1078675287
0	0.027955491
7.9058928336	8.4918512124
2.7526301685	0.6478044444
6.4383941689	1.5783466258
1.3526549423	1.2733361616
1.1509732042	0.677175566
0	0
19.5737057859	9.5889975062
4.6839362594	8.1825938529
673.6576459584	148.9099400562
15.9856214046	6.0610947585
12.5642051746	15.4271068574
0	0.2995928142
8.2164309136	5.4625788378
28.7059419163	15.7632094033
1.1659028717	0
95.4857169421	66.303639614
182.8964612724	255.2443008923
0.8248432507	0
1.2837525143	2.3565245454
7.5845031905	8.0880014439
38.241768004	0
6.9969650755	5.1229637866
36.3654738687	30.7562350297
0.2951123207	0.2430812403
2.5948748226	1.8998879662
0.163778159	0.207171739
293.574189072	281.3657022324
0	0.028832606
38.2188495287	12.4695512943
7.1564646703	4.0420886225
0	0
0	0
0	0
0	1.2942262668

gene_expression_table	
0	1.1670287661
30.7394063065	91.6334156201
9.1898016771	8.2647161662
0	0
5.0478467822	0.9899675885
0	0
7.9850586635	2.4664566172
1.2657086782	1.7872325524
3.45339268	2.1537133292
11.4584377614	6.0456719628
0	1.4022336387
0	0.3439654441
3882.2926521333	1894.9629589854
1.4658631292	3.2988375331
22.0226097983	17.2760155805
76.8415807621	31.7430343383
41.8844483619	8.3206635956
14.1565277563	11.4523736609
0	0.0543241728
0	0
3.3110323136	8.3766031597
163.5486602337	62.6479155973
1.6154765046	3.1415411685
0	5.1100124737
3.5786464792	5.0882872025
0.7425205601	0
444.7873553759	271.3320675373
2.3837619259	3.9456643439
660.7244564917	168.629459514
0	37.075362241
0	0
38.0485136799	70.5154556504
65.0630569328	54.9005411961
11.3150452724	11.5391668051
59.2283635985	62.6002048022
0	2.7764027984
209.4688059543	246.1661164619
89.9055807403	24.3035611488
8.2817362977	18.0980911964
205.3367756776	120.420268242
9.9702515661	31.2364589396
452.2754390357	272.3313394641
1.8223244941	5.3072186225
1135.8683646704	619.7933464812
0	0.0507851427
66.4718367599	136.8805653538
12.6511208351	17.6257160111
3.1620453404	1.3952930239
0	3.9824090206

gene_expression_table

9.3183082377	15.8990485916
0	0.6729670171
164.6578164822	169.9742142916
87.7221096978	36.3283703382
0	1.0154231611
10.8852714429	12.2451248595
52.9085286736	56.291165243
189.6750583631	72.1384549455
0	0.0875204199
55.825248237	23.9493392746
61.7293252103	77.3862875566
16.698417564	45.4734970037
243.6598302717	99.2972469461
4.6820531873	8.6575907028
0	0
109.5078670129	55.7349657084
3898.4981060146	3368.3868316654
219.2528032232	109.1978654993
111.543088589	25.9522672069
0	0.2612841033
1.0951399806	0.9020564919
19.9366459197	14.8087891308
1.1200208704	0
30.1033893851	12.7955407636
0.5257773161	0.4000814196
1.4383267264	1.9294274987
0	0.008381
0	0
0	0
0	0
1.9706656569	1.9420652887
2.8434468235	1.1558516156
0.468958457	0.1655471426
0	0.9689188081
3.5169110555	5.9316381257
9.0845761181	3.4360162448
0	0
0	0
0	0
181.5060695427	70.0667730091
9.3131759509	9.1157473339
0	0.9325654461
7.5200537645	11.2466074214
22.4374070673	14.6678420356
0	0
6.6511237646	7.3046240374
1.9144246044	1.6519836911
14.8076189016	11.2992891975
0.4226780424	0.1989462424

gene_expression_table

25.5200744735	28.5002132444
14.1532445423	4.1397420519
1.7889367439	0.7718492331
0	0
0	0
0	0
0	0
0	0
0	0
0.9726909459	0.0202106028
10.1040744617	0.8011963747
56.6649307827	2.7533516122
19.7349418158	24.9423882091
16.4657816482	16.3970840877
3.8296260421	9.3353713549
1.8623659324	1.1587690715
880.0686192657	1.2806271623
23.6483070592	379.7117428252
5.8177414026	15.7140608174
0.0486221638	11.5236643107
0	0.0377610689
0	3.9104996574
0.7958569833	0
0.9154291484	1.2548906745
3.5164844142	0.4924279975
2.3876864905	1.7585863144
13.0296552385	1.11213044
0	8.7611464103
0.6363366288	0.008806
0	0.3862117298
1.6828109574	0
0	1.1550962857
4.051329161	0.1976922887
0.972808462	5.4028294009
9704.4862351141	2.8045261009
11.7917951684	16111.8122613836
0	8.7002603655
509.8494749244	0.0457456557
35.6357420155	247.9753254931
0.0971414789	34.0435914619
3.8061546559	0
0	2.2782979477
0	0
0	0.0246479653
2.2833709699	0.4004324104
5.881110831	3.5877276963
0.0806340627	7.3816619031
58.123981962	0.7305927014
3.2081386483	63.8349023136
	4.8784866493

gene_expression_table

2.5350701952	0
1.1489948601	0.4793536846
0	0.7894003956
1.3298128336	6.3374070883
0	3.2352204173
0.4375481725	0.5560523647
1.3423090654	0.9025692572
0	0
0	0.3949020243
3.4874120703	4.0779929459
106.053891167	33.7195105094
30.3849687076	10.7262054282
3.0244543616	4.9405600153
0	0
0.978919006	2.6493580704
0.8598754159	0.5059080606
8.3349557698	5.4808011499
0.7599328906	1.549970358
2.2020602222	2.2024911896
5.6406421769	8.5455860234
0.6007948705	0.5462840479
13.0250551099	131.8087018876
8.721230482	6.2566799013
0	0
27.9292558371	23.8699171649
9.0778833025	10.8212826954
0.0963078293	0.3399765098
73.9621865357	26.4575354959
3.3382180717	3.8667076849
5.2068635332	3.0124026651
0	0.0491154998
6.8147654593	7.2170461946
0	0
0.6047327606	1.1385432724
3.4662354067	6.254040557
0	0.7867269412
33.7807483359	6.8899713693
0	0.009286
0.8207212822	0.8369776301
0.2431653928	2.1746102006
12.456086757	2.3817767522
26.1959730217	42.738201046
0.5351560046	0.9025965429
0.2315322602	0
42.1574726628	18.1321163262
0	0
0.7249812057	0.5118515947
4.8923645818	0.2878424748
0	0

gene_expression_table

0.4397772861	0.6209835605
0	0
0	0
3.386056501	3.060724829
0.3057195757	0.6835069128
2.3242582452	0.5791672845
1.5670632873	1.7138024681
2.5456310745	3.5945354576
2.9843776534	1.6388025178
19.2560684251	7.4449790275
18.982332789	8.5461494114
1.1593049171	0.2728310131
0.9438199881	1.2660768971
0.451499132	0.3851775696
0	0
6.4043967052	9.3698333069
9.8569498535	0.9551855054
21.6247910936	16.6307195985
0.0836895605	0.4825401215
3.5572788643	4.8774287307
0.9504309079	1.166303109
0.8940972942	0.462917415
0.532606835	2.8515710326
0.5084146303	1.2563290336
0.3021725345	0
93.9385222266	38.9715677717
0	1.3387496619
42.3392427813	5.6937854167
9.7034391326	8.5116335036
0	0.3292088916
0	0.2636151274
0.2879662648	1.5925956799
1.9312394333	3.6359856905
4.8498633451	4.3898755807
0.3440818343	0
2.4806178723	0.1945963417
2.5986721868	2.4026040782
0.6549080661	2.3889556945
15.2514984804	5.1876459977
174.0043486157	33.3939232991
9.1929526706	7.5721485679
0.8304496468	0.7491796088
5.9266530663	1.1623162701
0.4185470417	1.1204480879
1.1257844203	4.9897465336
0.5440526301	0.3734425246
4.5760928482	2.423111527
2.5228250781	3.8591934935
393.3569471186	195.1432299727

gene_expression_table

23.7148437276	21.1560933092
0	0.0142381178
0.6670270229	0.5494238791
0	0
18.6939202883	24.196866804
3.2016997651	2.1875474274
91.8655642615	34.5914516187
0	0
40.8485488917	20.0447622196
0	0
0	1.02760622
1.2717475633	2.2821112928
0	0
0.215888643	0.863723579
8.6855268454	11.4036660067
29.0360187446	12.7641662146
0.5649835941	1.3462537522
0.0775070794	0.3830511095
0	0
0.6350901325	0.2989244361
32.0053661776	6.7789334074
0.1510408036	0.2754812519
0	0
2.8783758971	8.806167047
6.7725660959	9.4834481861
0	0.0268095067
0	0
0	0.3026425914
0.1377868838	0.0216178589
0	0
0	0
0.1742153716	0
32.4641730844	19.5247611409
1.9186314904	1.7609711181
18.8895589569	15.945714657
2.1940515183	0.8175517147
204.1949334978	115.4317305735
0	0
23.793001734	10.4265602227
4.2241626503	6.668855763
0.9208882582	1.1919709821
0	0
0	0
0.0305084416	0.00718
2.3060496384	2.4591370505
0.3145651818	0.148059645
0	0
0.083344504	0
0	0.407008332

gene_expression_table

1.0681821921	3.9383834207
0	0
0	0
0	0.052190855
2.0826051296	3.4716878638
0	0
0	0
4534.5001965702	6580.5055491602
0	0.0311734561
5.469655571	1.8664830028
0.8907098128	0.2096197963
0.7788767194	0.1833009774
0	0.1389396359
5.3157059548	3.4161899283
56.1486677087	155.5051882241
0.9038577434	0.5317850814
0.0499582237	0.005879
9.3934264728	6.9334040214
74.9357384733	23.6933473604
1.1109688417	0.1634097457
2.5378624421	2.8707059607
0.2107053383	0.7933988729
9.2956638569	5.8668610065
14.77955767	9.8995594045
0.2114916727	0.2115330639
121.1981753554	120.238350382
0.2142649342	0.5882933636
0	0.3753253504
7.8068333477	41.4532118281
0	0.2738081412
4.8158451851	2.1857692079
305.3168772757	150.2387704026
5.9203414017	9.7530589512
0	0.2979536999
306.4874472978	394.8103126567
0	0.0938074675
12.0474154595	7.1189197586
1.0972371594	1.5728187669
1.4277830859	1.144050085
10.3826283703	7.2489001762
5.8213194391	3.3678927979
16.9794166747	17.4489325886
1.6464667402	0.5098417869
44.444484469	5.4523302989
1.5546934914	1.7196445839
2989.1882919632	2986.6878875949
1.8618814647	0.7010807926
0.4082137748	0.7725556635
0.3285489763	0.0676556747

gene_expression_table

0.2915856673	0.8577727464
1.6315684095	2.0051953749
0	0
51.4642878776	26.6455510611
0.178522112	0.0315100678
4.9792119119	1.2450465996
0.7005463352	0.1204795055
0.1167311392	0.2129043252
0.5986320439	2.0075708564
0.5169419281	2.8589441962
3.7156008648	5.1372770086
0.7874832966	2.2239174091
7.8518539164	7.5174166806
4.1798036948	2.4970229328
27.7830390483	21.7608290195
48.2127006836	24.5347157131
4.663023254	5.836155032
0	0.2009090459
0	0
0	0.9347583793
0	0.4668354652
0	0
1.2602256425	0.974482773
0.2377924812	0.0652891427
3.845185766	1.4632856653
0	0
2.1012112752	3.54391246
3.2601320256	2.2537675479
21.659762495	4.4602356129
0	0
0	0.0308652221
0	0
32.4961004477	14.7738455871
22.2759145119	8.2055229618
0	0.0566628458
0.8595014721	0.1348501468
0.9174257792	0.4318142727
3.8317467751	2.3896744067
4.3097324037	3.9217788268
0	0.0375636902
1.2498366323	1.3551300827
7.1293183857	8.9053256714
1.8243889637	0.9583750088
0	0.2978564852
2.4707648372	2.5003219036
0.657564697	0.5416298503
18.0611802779	9.0873211608
1.1057100511	0.471645104
0.9759625923	0.9876377589

gene_expression_table

44.168406335	28.7219214281
0.4774787947	0.1685549091
11.8791394687	9.5305863745
0	0
2.8045628181	2.8051117019
32.5547142503	13.1946882685
12.5025922567	7.9825195454
55.4187384728	24.2432508113
5.6320937567	11.6640294048
500.1074092836	246.1456436819
77.45426893	97.4064126212
0	0.3210592363
3.6639655818	6.4191826989
0	0.0607798239
0	0
2.1495074991	2.4570607787
0.9385611548	1.1832918171
0	0.0148259979
0.0328305895	0.003863
5.4205141864	4.6866812371
0	0
0.0292430638	0
0	0
50.679243231	30.3141065164
28.8350750289	13.1950999078
0.0852839885	0.2960435349
41.3884541075	68.4344660052
4.0351621939	5.8560870989
0	0
0	0.2965900027
0.4206355861	0.6269521783
127.4065276066	47.117515533
15.346309389	32.7301523589
1.481171158	1.3943162724
4.5146974831	3.6428216947
32.6580217971	19.47055226
1.6510466054	2.2730618683
218.5635807729	110.8637602446
11.466891848	6.8692151712
169.4975559526	61.0809242344
0	0
3.0332506825	1.4276914461
3.1336346642	2.9163590559
1.6500034237	1.1649362453
1.4074744038	0.4586334392
6.7886990759	5.515708775
4.2319069011	5.2478254575
37.9089967217	11.0946978736
8.7369729872	5.1799432627

gene_expression_table

50.3344672321	32.5757353321
9.1903849484	3.6284935294
5.2595332648	4.0227831748
5.5142930798	0.9733009919
8.4981706676	6.3998749011
0	0.5742311997
1.4946316639	2.3742913443
1.699833469	1.8668491005
6.2783756004	2.7704136827
651.0775449544	341.8089424723
1.1800708414	1.3052749253
1.9918695149	3.2050574425
17.1059535516	18.403282151
99.612577825	90.4587875984
5.0799388839	2.922366741
88.4904530171	45.8157876369
6.8309791792	13.1531218593
9.2857661592	2.7316422017
26.9163185944	8.488217834
1.7327654626	0.4485682452
14.71404649	31.9270728181
1.5378148205	1.473489074
7.4559894312	5.8862001111
0.2197019089	0.5452493949
0	0
3.5065941023	4.7361740188
53.5114588156	26.3976947692
0.2284368067	0.3763224941
8.1649653955	2.690162051
0	7.6343433446
13.2810685179	14.5859881384
0	0.3056083796
4.6993841954	3.3750660983
1.6276016658	1.0342081304
5505.3974106758	4804.0109015807
0	0.6566432431
5.9442756377	7.5192316736
3.1074639282	2.1517422183
0	0.1711349427
29.0599099219	13.344320122
2.0244974174	5.3600125601
0	3.2721026837
38.1449132617	32.4648765869
1.8666383423	1.9493714726
2.4410397749	6.1550861678
13.8380523437	14.4223051658
182.934563409	113.1847044074
3.9745666963	6.4307044396
42.5951614228	91.6933412084

gene_expression_table

0.3535527561	0.0832051648
13.3458840456	14.9189072738
20.9629444733	5.7556600025
0	0
35.9609105747	50.0187760717
21.9327483143	16.5910392561
0	0
32.4894062538	12.4664059288
4.0926973962	4.0247000899
5.9432912532	4.249881441
12.7191341982	12.4444639198
0.9719603718	0.6481003967
5.1388163601	5.4610609631
0.387779058	0.8669698897
0	0
415.4113064554	153.8247803966
4.6797481749	2.5521267801
0	0.0147734918
1.4840717351	2.0955701424
103.4923276916	28.7842474783
0	0
4.1972199509	12.0014595118
7.6800159356	10.9574609253
0	0.0738033673
5.2889036058	1.7712916922
0.6452022629	1.0325256577
0	0.00248
69.7493492048	14.5723433204
0.4671446552	0.0274844753
0.2229163362	0.8656092694
0.0539266761	0.4949534063
18.8844881694	33.6351085333
0	0
553.9749680781	627.1676643827
2.7759005785	1.3065618131
2.4957461956	3.0346381905
11.9258462935	4.4438318812
14.0398423131	28.1638501014
51.7470325802	33.1749747944
2.1677309945	1.8989072065
50.3287963818	40.704655153
3.2632286555	0.6239746319
0	0
0	0
0	0
1.6005201297	0.4143333426
0	0
1.1572894518	0.718031282
912.825854728	189.411585887

gene_expression_table

0	1.2344499429
0.4980307995	3.4868978873
4.9819128894	4.5595052721
682.8691080932	267.216457012
575.2090018696	282.4789504078
11.7211170472	7.0340465992
0	0.1945047944
3.1292008617	1.9168752619
25.6467685442	7.5446434996
0	0.9388751242
0	1.617531755
0	32.9993549586
22.1530455843	32.149925632
0	0
0	7.6770950398
168.6940454727	599.9184382278
448.8150263027	497.1621986361
104.7158823047	221.7946793374
47.9078775285	79.6272008796
0	0.862163242
0.9833666324	1.3885540067
34.632713047	32.8534315982
1.2690261195	0.7661094059
0.0366991916	0
2.6891989958	2.7424650134
0.2101731166	0.3647835512
0	3.2438738242
0	0.1037341157
0	0
1.1914939329	6.8699563468
0.5676930789	0.6012044287
12.4989982668	11.5209390104
1.8540129133	3.4360492097
3.5579850679	6.1125586481
0	2.2322862082
265.6254629703	230.4105308116
25.0786749027	16.6066628432
0	0
0.1335972354	0.0157203979
307.6087785101	125.3126824781
5.5914385812	6.7743971357
9.6708820708	16.5954469072
0.7803602042	0.0459125253
13.8927678634	9.0612586392
15.8899603383	21.034945824
0	0.2282930601
3.5406125078	1.7914839308
0	0.0419820096
2.472432324	3.2002445021

gene_expression_table

17.0050780629	13.5908754974
1.041805457	2.1759607009
0.5858142385	0.2412648365
3.6240303986	7.0362593423
0.2728110014	1.3482711211
0.4535556532	0.4460201431
6.4110540086	0.3771946307
0.3730304044	0.1316835567
0	0
25.8641625225	16.1592074129
6.6299531461	5.8077620517
5.1997417188	0.9789664688
0	0.2568674222
0.9388180855	1.0924334929
0	0.004634
5.9182692692	1.840494277
9.9834796796	6.274269748
1.7016603308	2.079358409
495.7681491121	260.7310291211
0.1597356049	0.0908478263
7.5986316837	1.5200237639
0	0
34.783718356	2.3388588848
217.854642054	93.2046162806
213.6308890867	74.5896982044
0	0.0451358777
6.1089656417	3.2861371339
7.9795359229	6.1970875527
6.2857784421	6.0558686146
950.4019720349	725.7790550172
0	0.964622442
4.9729387797	2.2506389315
0	0.9840312102
8.4583994234	1.4546700604
1.4655574168	1.2071658468
15.8428155632	4.6605635813
0	0
9.2207463012	6.9440383267
103.1919373352	133.062701047
0	0
50.7518123682	24.5703908841
49.331681017	57.0008211052
0	0
33.8957949538	17.6990620594
175.6005460976	185.4498052546
4.5226785474	2.5278738241
12.6809356162	12.1505007166
3377.6770454964	3061.8489043828
191.0827959596	183.4111431627

gene_expression_table

27.6281668618	35.511018169
3.5253584855	12.7214296547
6.3332721898	7.6014140169
0	0
51.431150673	30.8452075055
0.778301621	0.2136932393
1.1944435975	1.3833106311
0.1050148902	0.4324988821
9.4625242248	5.8456440894
0	0.1399299855
6.6226319733	1.5585713165
0.1217762791	0.0525412248
15.7794147324	9.0601186246
34.0226058064	21.5837789572
0	0.0637408704
3.6103437745	3.0297047899
0	0.0151290925
201.5304753082	419.7072245159
2.8296127239	0.9988822977
2.0987771167	1.531172329
0	0
0	0
0.7033736773	0.4138301972
169.3181083357	29.2213914236
20.6241623245	19.7340972081
11.2457243187	3.0325288612
249.7074015107	95.356445689
3.4786103621	4.502612095
27.149657044	38.6727134487
6461.9459392746	4401.2187628185
0	0
0	0
0	1.6330021909
0	0
0	0
0	0
3.5737932172	6.8335888856
2.4897262371	4.3944944186
3.4426090672	3.1249961761
0	3.9403505276
0	0.5484366719
0	1.9858139471
4.9483806082	5.8227636008
0.3452528915	0.8531446692
5.934188219	3.1789952992
38.4156129729	58.9750387864
14.3106192694	5.1813285122
15.0705653453	10.9261530578
0.1245317702	1.6998250025

gene_expression_table

25.5886794803	46.9085541175
3.2861817843	4.5699170096
19.1509289594	15.6526295412
122.324598671	27.3484969394
1.4331445878	1.7144888091
0.0161769104	0.003807
0.0533260119	0.0376492577
0.1523272173	0.2509409896
27.0686052465	15.6104623421
26.4786017629	15.712228105
0	0.9231213332
298.1477219157	130.666526454
0	0
0	0.970946008
13.4493581957	9.4955226233
14.4599654664	4.0410751966
11.9044189516	27.3154824889
2.8565912931	1.3445413456
7.6262194546	13.4606682169
68.5745656543	33.5181110256
0	0.443741936
55.7313340967	10.6566049604
0	3.7257600504
0	0.8593936322
4.4884657896	3.4623700611
150.5102832594	107.7642404379
144.3732450795	182.7953112343
42.0892104762	9.707176198
0.1659226069	0.5857238108
32.6369741921	17.8556318727
11.28274803	1.4751576716
3.8347778594	3.568887358
1.4456044358	1.0206263693
13.6372714162	9.0932935867
1.6874052686	0.5162485097
5.8061612713	3.8715317339
11.6769765224	9.1602053608
0	0.851828264
2.6307767091	3.128804695
0	0.1030804873
0	0
19.4649880117	14.8879039888
5.6557354581	5.2290139348
78.8970251515	163.0470808293
2.9230236488	3.2245540992
117.000058059	163.2254394841
0	0
0.4525723676	0.2130169134
1043.985614492	1531.6528192627

gene_expression_table

105.5117684894	49.3801422537
0.9337024737	0.3296065445
0	0.2552253245
3.922409528	6.6668370493
0	1.248140268
0	0
17.8541079552	18.251519896
2.6033733124	0.6126783109
0	0.5139463331
0.1119709371	0.5270251815
2.9900727368	0
1.0971814702	2.259345119
9.0134515383	4.0214932199
5.7943462598	2.2363735657
32.8723624887	52.2192641898
3.7745492999	2.3497048782
22.3104263682	1.7108499409
0	0
0	0
0.0677451293	0
0	0
1.3184417423	0.9825606173
3.8632681816	3.3639740666
0	0
0	0
9.6903374498	5.7556123208
15.0825756476	7.5768938894
0.4314431067	0.5669087354
37.0969095534	43.2362315063
0	0.003936
1.8487362573	0.6526228501
0	0
6.471670681	1.9291891436
3.0623310511	0.5405171264
0	0
0.5345328429	0.3588915801
17.7699679062	6.2729808297
2.4592568208	0.8681428674
2.048485173	2.8121965859
65.8500105124	50.4160610232
6.5563494819	8.0523871285
2.2361249294	3.2305903697
12.2502948324	23.7846380906
0	0.2384601039
0.9311156664	1.0408623543
11.4901792819	4.0561510716
31.9505066236	12.276306243
11.7596898403	7.3800729982
7.3077565062	0.8599043193

gene_expression_table

1.0532395955	0.2478695826
1.950730846	0.7062851133
32.9568227146	22.4517647057
0.4690191597	0.5518952376
0	0
0	0
4.4776366451	2.0322663888
0	0.0336566181
0.5742098203	0.7207180542
125.3255902216	81.4856497961
3.2617765736	3.9428116377
4.7304514095	10.5760196477
1.8615586261	2.0809727129
0	0
0.3760940408	0.6859527672
1.0500062538	1.6679833701
78.2823975296	77.2090868784
28.0694423436	22.2065160304
0	0.1806877672
1.4340828545	1.3331143306
0.3312280839	1.2082447264
0	0
12.9183135095	6.0803961249
417.6631113752	180.6555833309
104.8313952499	55.9967640985
73.8058819785	62.8610064052
0	0.4115570428
0	0
30.3619223558	13.4283863385
93.7282382569	70.9815748348
1.3073224258	4.1534839583
8.4118572684	8.5784742194
5.889744323	4.366194255
4.5744680076	2.6913901654
25.7967216174	11.4134889883
0	0.3526059158
1.0668259076	2.3851363818
1.8209221777	1.2141857015
1.2813181341	0.226159218
0	0
5.9575104776	13.3193943682
21.2913903324	40.3135148726
0	2.3823525938
3.0999101858	7.7816894049
256.3925097858	234.3416087508
285.268452549	144.8835241842
20.1021221547	21.2887655586
4.5331550781	7.112223163
9.8814590581	11.6275211392

gene_expression_table

0	1.2598091694
56.5345519991	49.0127228937
0	4.7572291857
4.0645367753	1.1956859558
4.9417824058	4.942749567
1.8505065688	1.8508687333
0	0.0269787221
0	1.9198221951
33.4237747143	35.8595086348
2.1749960718	3.0711836364
0	2.4809115955
43.451017646	39.1987840869
333.1868982421	279.5567543691
7.5714405504	4.1576828668
34.8304460665	58.448195334
0.6661440916	0.9406227718
11.7834390842	20.7983739401
12.6949187703	17.5522928045
276.464092962	113.8604353038
0	1.9531505697
0	7.6861772884
153.2314249921	91.5407541029
3.4562647168	2.8468927083
316.7423146825	284.3491379339
14.3863861044	14.3122540757
1454.7013609715	767.9311217767
0	0
18.5838106484	16.7651489099
9.4636827121	6.681554018
6.3080920836	4.0825054772
59.2699929982	26.2366713176
0	0
0	0
0	0
30.8112884216	70.5172759291
0	5.7875715989
2.8121129363	0.9927046933
5.1892696289	1.2212435826
0	0
49.323226386	87.6384094355
77.4423308491	86.9206190805
28.7187399287	13.1794124655
126.9746748548	69.3101983903
11.4253518376	2.6888442128
0.0982672286	0
1.2386262361	1.8267239685
0	0
0	1.6268685751
2.5489467913	3.9741358633

gene_expression_table

29.0387001302	10.5438433576
31.2591289859	13.6621246263
0	0.2744334481
78.6095190429	53.9582673067
0	0.590825369
0	0
0	6.6761690801
4.8155594563	24.365833213
0	1.10288039
17.1250941353	1.8201004923
0	4.7316571197
0.5126418495	1.077189452
0.7050716971	0.8987966604
7.3885834823	18.2577199642
31.6459018261	18.437231969
0.7732255716	2.911536566
24.9805572041	12.8776529299
2.9378880626	5.0472423974
303.8958888612	284.8017635929
0	0.0243339135
0	0
1.6555972033	1.1410549596
0.1332970521	0.2274335914
3.4820925939	5.1217265849
0.8114964033	2.4110934537
7.0517889973	0.9680820347
4.8854932832	3.193757796
0.1418550321	0.7010679268
0.1210382133	0.0427277301
45.1028583976	34.2930460082
19.6096967455	14.1484630243
21.8409133115	6.6820574503
7.9597062256	6.4002318653
1.3204086022	0.4466961982
2.8783758971	14.1576070218
0.4261606379	0.7710002529
0	0
5.3064708171	4.9953029193
3.121152735	2.4659308942
0	0
16.1781834224	7.9320341523
35.3205571379	15.869023849
0	0
1.3387488811	1.2602455425
40.5504841402	17.5951970487
26.4931219519	40.9721720862
0.2147474083	0.3386092296
0.0402349367	0.004734
0.5628034132	1.2582773694

gene_expression_table

3.932172421	2.5658765926
0	1.0484855915
2.7283411122	1.8460037296
0.8003263494	1.3561123461
1.9767028526	1.1862538291
0.0859860112	0.1112977924
5.6020988399	0.8004564617
6.8103963271	3.0051746455
0.0698411623	0.1890189546
0	0
0	0.01396264
36.7025151802	20.4574169902
12.4160720222	2.4654378939
0	0
2.4400564109	1.7705834588
0.0340024917	0.004001
5.3800498301	6.8582682299
0	0
0.8634227462	0.270930738
1.975624464	2.4726556204
3.870154026	2.459167279
42.7454737741	54.4139775876
63.3790223848	60.3405020929
1.6671106968	2.2352947599
14.1014635107	4.0052561158
4.9369428846	7.1648092803
19.6390651403	13.6088125781
126.8915726793	951.2143149855
4.4262116578	1.041665392
0.6308092084	0.2226821169
0	0.2004986599
9.0588726582	17.1219552488
23.4098608093	0
5.0318552527	12.2120383374
742.043416958	591.8105519431
0	0.8066532638
10.9925142765	15.5218808927
5.3576996925	11.2353587326
1.5472869289	2.3669019705
0.7831114033	0.276446353
0.4708827595	0.2659623058
0	0.2949522644
0	0.4350402814
0.7975529167	0.9071984781
1.7391391657	3.9440605484
6.9920424886	5.9649681275
1.778032273	3.6613711101
7.5809699791	2.7876667861
0	0

gene_expression_table

2.4441197426	1.5338654643
0	0
0.1189067265	0.4197529336
0	0
1.3998290563	2.0060299547
3.7719717701	4.2367331399
0	0.004328
5.3951493898	6.2566915931
0.5944677923	0.7806539952
0	0
10.6074160236	5.3598125733
0	0
0.584927662	0.9635988168
0	0
0.8981494462	0.1358811263
3.6915159884	1.4189779174
0	0.9994310739
3.4848415079	7.0530593778
0.6514005682	1.2110756778
1.7018793569	2.6033837217
38.8160346302	39.8023783638
0.4114469447	0.484149964
28.2047683968	16.8633838329
25.1556042458	17.939770035
0	0
0	0
9.7338152865	6.2528837278
6.536725252	4.4719593441
0	0
0	0
2.005691759	3.1952111847
0	0.0413977107
0	0
0.1286179041	0.2270171931
8.4653086439	7.5567236816
0.9953903524	0.7808511068
0.7741005677	1.4118714176
16.7437452564	15.1051572706
40.9740248802	91.6069217644
0	0
1.0719892808	1.3244812176
2.7940143401	1.7096138858
1.4501605957	1.3651241488
0	0.3453010728
0.547438141	0.4831281889
0	0
7.2841462865	27.8565983417
8.7099833678	9.941573373
124.1009197546	24.1861617884

gene_expression_table

0.8466152676	1.0515580543
39.4339782071	25.5210973277
0	0
0.9293737483	0.5905412282
3.4033091354	5.0058458829
0	0
104.7158823047	61.0495455752
0	0
16.7152885757	5.5535700843
1.446578344	0.0567396649
0	0
8.2213371026	1.3820077494
0	0.31272166
0	3.095559826
0	0
0	0.5936445766
71.1842908365	77.3807010791
25.7902598578	37.5841128915
0	0
0	0
101.1771732882	6.8031579679
52.5025842873	90.3816102394
6.413110652	1.7608062893
0	0
0.1731228676	0.6926269987
0.7599079884	5.4992338481
0.0502617537	0.1833434475
0.0251520285	0.0266367717
5.8199998352	4.263680465
3.5003785871	2.383076938
18.84467771	28.6495160472
4.5713299186	0.3227452643
0	0
3.0713892822	0.8834482158
6.9046429038	7.3122291723
4.8427114642	5.5559620649
0	0
3.2643310976	2.8424444385
11.5763818479	3.5417039329
3.9376170543	2.7800383688
0	0.5615167217
0	0
0.6649979387	4.6950217841
7.4844462037	8.8069541084
0.0870164921	0.0153588568
83.0532924963	81.310427121
0	9.3006724573
0	0
0	4.8711245417

gene_expression_table	
0	0.5888025766
0	3.6083077607
0	0
0	0
0.5306543674	0.1873264314
0.5792991426	0.2726647143
0	0.6760826051
16.8972661889	6.4067532277
8.9831909965	0.7047018906
0	1.5278536735
41.8689361778	15.8749906049
12.660956605	6.8283225209
122.3951871094	128.0200169336
63.1272849262	31.5698198149
6.2650916606	8.8077655876
0	0
10.8799898187	4.1899068394
36.5827545633	18.6536817543
9.5458600734	8.099311316
5.2566004129	7.6080987065
0	0
0	0.2278626736
24.7326983615	11.5990164982
0.3610792313	0.4390449746
0	0
1.5991757948	0.5174816612
1.6012336104	1.1305037572
1.9541094881	0.99640765
0.12418326	0.2922530919
0	0.001984
5.178839635	2.2471421931
120.9741193938	193.0854713265
0	0
1.9749165015	3.037650854
3.1448071762	0.3700497235
2.0316274283	1.673432386
1.0011314354	0.663981784
11.5323001438	4.7495235289
0	0
3.1116280511	3.0860837786
15.8565747485	6.5304556695
0.8107672501	0.7111863737
20.2002726952	18.645305685
19.3971385234	23.8851674485
0.9035112208	0.8292666793
0.9296726665	0.8595294748
1.2710365758	2.9912596038
7.0607903675	7.1580388333
5.9714706362	4.0598332623

gene_expression_table

0	0
10.6687325583	12.5539065253
5.453075934	5.9944917093
41.609273109	53.60674765
0.3849033023	0.2491038208
0	0.00552
0.6390647949	0.9681846513
9.8175001909	6.2039918502
7.7996125782	30.8986291711
0	4.9326584616
0	0
0	0
0	0.1688664452
1.1249433942	0.7280470081
1.947836503	2.0628187581
1.8578182926	1.0821176878
2.5115134314	7.3882498888
1.0210466858	2.7533607044
1.0315714231	0.9225267269
0	0
0	0
0	0
0	0.6681226828
3.8681140857	1.3351398369
0	0.0372454769
6.6399258171	3.0731944634
0	0
0	0.1094774229
13.1134404646	13.6303601212
72.0202331203	114.0695173061
45.9989560222	66.9932665096
0	0
0	0.7579851836
6.9039888409	4.9420570784
0	0.003943
0	0
8.0310160621	4.2362532115
51.8290730599	49.2254745667
3.5687196774	3.385698065
0.662161082	0.1363539623
0	0
0	0.238642432
0.612374992	0.187351363
0.8475063634	1.0969875914
6.4905327518	10.8621017857
56.560507604	95.3159765711
1.4510589325	0.4695521214
0.0345328777	0.0772062456
0	0.0449938205

gene_expression_table

24.8960150132	29.6857638465
55.9934560464	72.7546993068
0.3342414878	0.2359813429
0	0
115.6698375321	31.915165625
5.5584178291	7.6655772332
0	0
0	0
0	0
6.3564371088	8.5267723436
11.0934788163	8.4849087716
88.330909539	86.038440088
2.0476868733	3.9034140677
0	0
25.5029232571	43.8886175258
0	0.0278773514
10.4019713152	2.550001739
0.9614635312	1.0861007437
11.4025805338	6.7832542818
22.0454489062	18.7481945851
0	1.7351816488
10.980022783	4.8809651974
1.5862461347	1.8665371536
0	0
0	0.0199605482
0	0.1958786761
6.4824725872	3.3978964988
7.0909616097	7.8803882098
0	1.0884634064
0.6794234117	4.6369729616
0.5732502773	0.4047264485
8.4185755165	10.6491057159
9.4405667308	8.0538240074
0	0.0847597421
4.0569993208	3.1030184213
30.2280598932	77.9115671152
0	0.535678575
0	0
1.7787141698	5.7557897415
0.7529354047	1.5258539632
10.0249905402	6.6846350274
6.3107700666	7.0545939953
9.8932628488	5.993170678
10.2348580394	10.502935479
25.6620942806	22.1190152174
0	0.4896545114
4.6974990689	8.5124286688
0	0
11.6969600351	4.5592662553

gene_expression_table

5.6180658794	3.3668870639
0	0
12.6873855499	35.715376814
0.5776483395	0.2039157853
20.632550819	26.3015347909
3.6998490423	2.1146132248
23.7530958185	8.1455124207
3.2551775281	2.4784747836
0	0.4310489348
34.5120199422	146.0859006839
0	0
3.3307204581	0.7403049593
0.315329979	2.0222173228
0.7748976381	2.0060099377
0	0.2782916123
9.8323003495	4.8849743304
124.7556557413	96.6433889387
48.8820096568	38.4359286733
1.1160750851	0.9193005403
8.4810767354	5.4056654647
6.5443844402	7.8433897309
30.9761206965	15.2632813623
9.1838399452	5.2832423822
31.2297706069	5.2616593712
0	0.1199533445
3.1634969556	1.8126905458
0	0.0100395832
1.1684335966	0.7699422027
26.4164584415	7.3471907941
29.4488386838	10.0944160805
0	2.4646744034
0	0
0	0
95.0179447574	216.1615438112
12.7478566354	8.4645190836
28.9615165768	32.5644167463
17.6411371479	32.6340428059
76.8637988653	70.849128861
10.4793315789	9.0801281545
23.9425088276	29.8483316336
22.0125755759	11.2674640003
12.1808005661	27.7107725487
27.3804594976	16.6180196851
12.6326786063	7.5563157704
6.3594702091	5.7994752838
30.645163492	29.5693554019
4.3252059792	3.2233332126
0	0.7573400421
0.669873307	2.0100132258

gene_expression_table

15.324520956	6.5572278645
13.5607315144	19.1795970256
32.470926713	15.8292633156
1.2493431664	1.1970839927
0.2178809295	0.5255803775
0	0
0	0.0279228797
0	0
39.7494139829	38.1980877574
3.6597765478	5.1677545501
15.6864169634	15.7380612307
0.0793504098	0.1213832016
4.5730682087	5.4368000814
5.2979603295	4.987291481
0	0.0688931303
5.6696949042	3.8917285962
6.9509646057	5.9299242527
0	0
139.0567647128	104.2136957743
3.534506984	1.609374356
17.9492730793	14.9766556583
17.4149955825	8.8799706098
4.8690465739	4.6790191273
4.9161583489	3.9473078023
25.5567569964	20.8966413788
0	0.766286622
4.6469581345	2.5882243079
1.1388511688	0.9667771387
0	0
2.1692875733	2.3824290019
158.1886342807	64.0729206312
33.9550955236	15.53422429
0	0.0230746247
0	0.0231348373
1.8943135909	3.7893686579
0	0.007604
0	0
6.7210260207	6.3021950619
2.2313340118	6.2139498155
1.6637309604	1.9577136127
0.1797709713	0.0634609957
4.8395928908	10.535293055
45.8370719833	11.6453852037
90.0518666726	43.0692821343
0	0
5.0174117494	3.7391953149
13.7998256798	4.2304957253
8.1507431801	5.7377654989
3305.3264460102	4195.2029069497

gene_expression_table

1.9164243736	4.2846105104
151.1228942173	120.6679387372
18.2801814911	8.793918748
11.5243176134	9.4359691137
3.2542166405	4.0589938095
28.0979965272	29.8460017013
0	0
14.3032966482	15.5737247166
0	0
0	0
0.086953259	0.040927189
0.8124042361	0.6691697209
0	0.006059
34.94862121	29.2494960755
0	0
27.9876155315	26.5612212499
5.3098555773	4.4986402795
0.6067406095	0.9281378375
0	0.2126732494
0	0.072397063
543.7235197574	93.3041550731
0.5319690615	0
1.8902926772	1.3790715642
5.2278750434	5.1673817467
4.2634593539	6.354633838
0	1.8591920264
1.1625517923	0.896784048
51.7059541483	84.6894090706
0	0.1413096912
40.157598001	18.3107231737
1.8720317834	1.5419749558
1.253158292	2.9491848209
0	0.0279918823
0	0
0	0
0.6536855348	1.1999400124
44.9644426548	17.7441057961
5.4441281148	2.348907039
0	0.005724
0	0
16.3976170126	7.7180358619
0.6399801331	0.2259195474
0	0
2856.6283339949	2575.3018387622
0.6298018543	1.1857413901
2.1843315318	2.2507533404
3.1290853682	1.4958114316
67.6191458311	28.4767914278
194.9359058369	40.740847718

gene_expression_table	
0	0.0419034865
0	0.032574193
0	0
11.1559186596	6.7823757227
0	0.1606014232
0	0
0.7452465831	0.0350772911
2.7752615658	1.1021577545
1.1301737001	1.0639010706
0	0.008884
5.2239796205	3.7985685809
526.4275416696	151.9499983876
11.815860653	7.8015391361
0	0
4.8374987729	4.0984479738
3.1647454774	2.3939734181
6.9383674345	4.1988254214
0	0.3061741687
154.7200698587	87.8168077696
0	0.0589306127
0	0
0	0
0	0.2175652326
6.9553549778	3.9958992805
27.5037022383	17.7275402995
0	0.008089
0	0.007834
0	1.979251785
13.3679382716	10.3119309401
6.0157485032	4.7339048977
9.5350320212	5.2957834332
0	0
3.2327949643	6.1815528753
0	0
0	0
1.2412915168	2.2883184003
25.1565965773	4.709375401
0.3314212231	0.3509852674
0	0
0	0
0.6078905347	1.6452021915
14.6289478411	10.3283370967
0	0.3234338447
20.9733450163	8.6377734184
0	0
0.5620082234	0.6172278435
6.27361977	0.9842898175
8.8184905075	10.3767251564
5.9949464164	2.0549361609

gene_expression_table

2.7075082449	1.7841192412
7.0494309696	0.8295071319
2.5552944417	1.5409937673
39.5500755327	25.1506514217
2.2566960021	0.6196064171
787.3162892941	662.7188238747
7.8287522903	1.740063214
28.9871271786	31.4179940411
0.3102666203	1.0131275019
54.8689383817	33.2308631406
0	0
0	0.0271193268
2748.5987462303	3320.4086849483
0	0
22.1197334815	12.7079390463
3.6334278311	1.2826372704
0.7319876555	0.9905300594
0.4130418769	0.4727714478
0.2441762392	0.5824808348
553.6892387642	424.6988144782
0	0.0156629005
4.491537501	4.8888062393
301.9506265319	110.6139934785
0	0.4058895386
1.4647428068	3.6194845806
3.4760379911	2.7268378744
411.8424320053	399.0150555673
232.48828563	121.9849369929
235.4860319912	93.4571296489
0	0.0122475604
0.4408380234	0.2697419249
12.8393125615	2.2990480177
3.4928690648	4.9887648499
54.2375528994	27.1240838923
0	0.1880856535
2.9298927488	3.5337974295
52.0101767857	21.3601460745
6.31312275	4.2387041859
0	0
0	1.5831210866
41.663327556	7.0814282334
25.5512847504	12.1847305087
0	0.3835094812
0	0
0	0
0	0.009425
0	0
0	0.0123336527
76.7901635855	95.8192489843

gene_expression_table

15.6263146528	8.5633202749
0	0
4.5574033055	2.5107187682
104.611181146	67.8005306858
0	0
10.2881606789	4.0641864428
0	0.005617
0	0
14.6231493968	13.1306348016
33.0662138075	15.0077731291
104.8629556352	85.1171278988
0	0
6.8607739862	11.7636286545
0.0618479986	0
0	0.005257
0	0
21.4007088572	11.4719056949
6.0576468936	4.2768229
14.0608204442	10.1340447466
0.2117233834	2.3667832825
0	0
52.2461579602	14.2684241848
0.4940013829	1.4532296012
3.2869537125	7.307599852
0.2000842804	0.9770732616
36.3248874023	31.3970622869
0.7842300521	1.0519967405
18.9256000587	11.9832568782
0	0
21.5231723959	9.4318764684
14.5293899082	9.580072774
3.0431021944	2.9541772405
1.3368349273	1.9401008919
0	0
14.7975973865	6.4328942071
0	0.008483
14.2370008691	10.6670194681
0	13.315955928
36.2724402649	23.8033175616
37.8132062399	22.6519141732
392.3555040576	350.7552935015
0	0.1023509008
38.1528809799	34.1962567076
6.5789124076	2.7599815744
2.5971605752	2.6761358132
2.3902090412	0.8437682934
111.6418268802	55.5140099054
0	0
15.6034676267	9.616852757

gene_expression_table

0.5426316637	1.9968109599
4.0570610402	2.4284861434
0	0
0.1073900533	0
0	0
2.2858812512	0.6724495951
11.5764869205	2.5696162112
0.4327102575	0.2460990856
7.5404955885	4.982478808
0	0
28.1474738671	98.5354392298
7.3942690861	8.449484943
0.4928506966	0.2319751308
0	0.0740766478
0.0593053926	0.0697847051
0.370179805	0.6347181484
19.8000410841	27.5701578049
3.3196315885	4.3154356091
13.2308727062	28.0576473365
4.393919513	3.0572378792
0	0
3.8208373482	1.517394095
1.0106499643	1.1892326584
0.8110564848	0.1192963555
3.1115564778	3.6613711101
0	6.0051643066
0	0
49.6527237874	24.0716774646
0	4.9080893509
236.2690587636	152.3306953275
0	0
0	0
7.2992786017	0.8589067236
0	0.7184693683
18.0521626325	4.7794488456
8.7746539712	9.8762234211
3.2761272528	0.7304251602
31.9550890418	124.3202238904
11.7655038649	13.1522543272
69.0995474304	46.5271000657
245.0672196648	225.7639834333
32.0478276916	11.3132116954
6.778267309	1.5951985625
56.984416065	32.6886348988
0	1.9251232228
8.6410481569	1.0167928594
11.0608242589	5.2990787569
38.5222604116	18.4803563891
1.809780867	3.6202701221

gene_expression_table

6.8956836889	2.4711295602
2.0734806972	0.7319599412
431.6149515644	704.9397642539
6.0574688811	1.2473700224
70.0302232218	7.828439113
155.8454846616	188.4423676677
922.4452353258	754.3366387874
24.0145358932	14.5326468717
197.0739542092	111.8562418501
0	0.2613441617
75.4140101387	7.3949774009
3.3925547681	1.2974071609
21.0388488122	5.4154692803
0	27.8931463589
25.8945339546	21.5256652527
18.7969588374	23.7772769758
0	0.3977532886
0	0
24.9674936667	7.3448176705
296.2201766853	88.8004539904
3.9679359577	1.6341757462
8.3657316442	17.7191341619
47.4282108609	39.0661707743
66.1942941098	120.0435934526
9.8414107062	4.9216683892
21.5906599072	14.6788763752
0	0.5778060096
22.2636406659	50.6487795489
2.4020932378	3.2976359759
73.6652100307	31.7833685624
112.1306953314	57.6388183585
32.1455615715	1.8912854595
33.2041926083	23.4428407297
54.1312047564	46.9759725127
0	0.0265428856
3.8989445363	3.6703130377
0	1.5011589324
4928.482709568	6875.2817156208
0	2.2485787336
7.5153721639	4.6427559736
164.2016884979	59.9636682011
4.5719427699	6.0074532512
1.8825035408	4.7625585059
0	0.4001329493
215.1387709217	49.9979094105
0	0
20.5159733758	21.7270467289
0	0
16.3132199429	5.8370839863

gene_expression_table

1.2174853191	1.3341236438
6.9364106597	0
0.9108451062	1.0965258645
0	0
3.2495835507	2.2432887736
1.6887422165	6.7562908878
22.2352396135	11.8876587737
0.2512125588	0.3621124843
0	0
12.9653405555	9.153796246
3.3495406971	2.9954695785
8.3276213178	8.8892007803
2.8317273457	2.0325785212
0	0.6991994594
0	0.2940982042
0	0
1.4401639601	0.6213687834
0	0.3399883704
0	0
0.6518224228	0.935739988
2.8102045707	4.6019216794
1.158315543	1.2461630796
0	0.8415823652
49.9565017614	24.0034084421
1.0289350154	7.191847238
0	0.1004140084
1.7846707773	1.0200114611
87.389991399	68.554583985
0.0252217204	0.0158284904
0	0.5203451365
0	0
0	0.0166569405
9.2114954163	12.9553941176
15.6396456899	14.1898235801
0	0.0529629715
0.335110897	0.330247416
0.6183470643	0.751863158
0	0.0208451484
0	0
0.158797322	0.1307998591
456.215958731	320.7213337363
8.924051766	6.4375322784
55.3115219292	93.2492180483
2.5586183093	1.9015126135
3450.5176568831	4834.0114860306
0.8357229701	0.9833959179
0	0.008523
0.2752051965	0.2347797841
0.6295724265	1.1246970267

gene_expression_table

7.5670383411	3.9663897903
43.800634855	100.5034751592
4.8818593149	3.5903049621
43.9007799384	41.0765091065
0	3.546959212
3.33544724	2.0932392305
1.314495744	2.3717113036
0.6490781032	0.6682994036
0	0.5432287508
0.1888630021	0.0666705758
0	0
1.4146510082	4.4944767667
1.1670646555	4.497511507
0.5441854075	0.8004292802
23.9861482392	24.6494147416
35.3880789221	13.1863743216
0	0
2.5993003006	2.3985854045
119.5892858838	33.2472249859
12.748352854	8.4788246551
13.6207926543	22.2382923769
2.308821995	0
66.0355775867	33.8567948737
35.9720134453	67.5930013641
2.8719095592	3.9426081106
2.9822284102	2.4564334654
27.9579655724	5.7138912035
8.9848152335	18.7440543754
3.3408494791	1.4295201369
11.9611052574	7.3751127021
12.6170421892	27.8062275079
0.2397831089	0.4796600742
12.2412416162	12.3236611353
3.7571381546	2.873667946
2.6575530733	2.5017159394
0	0.4515773844
19.3441842823	6.8286953477
177.9451206081	153.5513263266
66.4559625094	58.9749182822
0	0.3869574663
118.2518395693	65.1794022608
28.9149727153	14.7438514515
1.9885614425	21.527465597
0	0
0	3.6018303339
0.1120248114	0.1845475651
0	0
4.2636161275	7.7763510286
130.956937396	80.8669050443

gene_expression_table

50.0400455686	52.257920086
1.7400360254	6.3472557243
468.9946573502	448.1421173179
0	3.5327191713
0.6352571489	0.4017853449
0.784499598	1.2308284443
0	0
8.1230937781	6.6909158703
0	0.9248483843
0	0
29.988889041	16.9382163932
19.526615121	11.8714419121
2.3964335439	5.0757936401
13.7802276862	11.1560613461
49.4557648063	36.8566052164
1.5592093027	2.385139758
0	1.7105984585
4.0836473344	6.4470185725
4.3155069446	0.5078060631
166.7531743839	125.3618831927
0	1.4319980042
2.6487199595	1.6362942708
21.1755863446	11.7111451772
129.3972411903	138.1079242424
3.0862463425	3.4500092201
1.1519108326	1.0391817375
4.0558898147	2.4079779639
0.1906968768	0.3365897616
0.974439477	1.9970363605
33.2371398127	29.0317802012
4.2458178838	11.1578616502
5.4396329725	10.3693294834
2.6138196706	8.9878315277
576.0420753143	282.428829941
0	0.094796863
5.6720986493	4.004617935
79.03820081	24.0965730423
9.5017540264	5.9630516857
2.3064796918	2.4426329244
0.1260458145	0.3559637169
83.7130694017	20.0799140606
0	0
0	0
0	0
0	1.110773616
0	0.0574187701
12.4596003211	0
0	0
1.8315647899	5.6035299327

gene_expression_table	
0	2.7596547946
0	0.1028287759
0	0.1054490274
0	6.6344436201
0	0.0442886326
16.8494054174	5.3431301734
0	0.1085886801
0	0.2639224177
4.2881196685	5.0458340008
0.6993461017	0.2768007481
14.9650284703	10.5656169112
6.8786573334	1.9355508743
2.6131127871	3.5434008789
5.354306663	4.3652890108
0	0
20.4357439959	20.3529768464
3.0222766856	2.4894208528
1.2857083995	2.9501435907
0	0.002477
0.6728158146	0.3958514659
1.8658723663	2.9420685894
1.5554943896	1.8669585803
0	0.0643036967
76.8911383486	43.9228917065
0	0.021687633
0	0.1727404703
13.4610149105	3.777132405
0.4071258698	0.5389485205
128.7505209578	36.4323462292
8.9198431101	3.7213044282
0.6965663446	1.0655452604
4.2781737896	3.6787878023
0.0409651102	0.0289222076
126.5163743658	48.951107063
2.0573661341	3.4930192792
0.0655423701	0.4010435607
0.8855779314	0.8810146111
1.5941754529	1.5151238218
3.1926806865	1.9857530181
35.1158546862	26.5830837579
0.9967037637	2.8001128889
1.4011497491	1.6702393089
0.886176003	3.128292132
31.2136325122	23.2617680745
0.4928737416	0.579964944
1.0887847258	0.4099756472
2.06948384	2.3134051973
663.4354553344	536.0805448065
4.9650597606	6.4266289707

gene_expression_table	
0	0.0238080613
0	0
1.6572699611	2.3516043803
5.4427225849	2.962061001
6.0014221014	3.4388277459
0	0.1731745907
15.0054221504	9.4590497121
3.4733480293	2.6906685915
0	0.8040861212
13.8030001599	9.5408315408
0	0
2.3171271101	4.3625046538
6.2043504472	6.2685014685
0	0
7.0287481262	4.3007815756
0.1094656114	0.1159274488
112.2517486181	56.1368587596
4.8875276729	4.862342589
3.9416902039	3.3461229012
10.9708426357	12.0878924521
0.9130564658	1.2585761882
9.6509595346	11.4982458089
0	0
5.9573142665	5.9315187296
13.8778025839	8.7637784243
13.0032213714	6.4424848271
1.1339772518	0.7692146712
0	0
0	0
0	0.1725438615
0.9084210078	0.6948108438
1.3541810096	0.5577130744
3.6135380426	1.3606570359
0	0.2741522154
0.2173332745	0.920650485
12.3783404809	14.5656035979
9.0472097837	3.0163268074
0	0
32.6939350312	10.5795196921
19.7605863614	21.3841651166
1.5015269936	0.7950816312
0	7.9895735568
0	1.6638839092
1.729214809	0.8139074049
0	0
19.3635672325	91.1405030374
5.5791510087	2.4946968303
0	0.1225026559
0.2749816573	0.3559282607

gene_expression_table

0.5302297022	0.1975752158
0.7836088924	1.014280563
0.9342723722	0.577163518
0	0.0289005815
0.3067191508	0.0360916681
8.8637923576	8.0658913216
0	3.3682504152
0.1555319123	0.4575363281
1.3724053759	3.3913121629
0	1.5159072044
0.6328647017	0.8191616662
1.4544171068	0.1711413826
0	2.2814844495
1.608373727	1.6222068942
0	0.4974645213
0	1.4888551566
1.4376461909	0.733061106
10.7829480692	5.9740764726
6.9291979268	1.9568623192
159.9728645438	171.2916390698
31.4677215971	16.8779220644
10.599005222	4.4131190944
3.5038064334	2.6957632053
4.4288647006	3.6480141584
0.1376687665	0.1079966352
4.4917810994	1.8323006267
0.1516851524	0.0178488046
68.1985185396	28.2005852375
48.8353359878	20.5230645377
236.5738946232	130.72788152
0	0.1009771776
1.9921048625	1.5739034075
1.9345152508	3.4714272135
0.7616038188	0.8849776025
6.4538884087	4.3778882183
11.0328587135	4.0801747098
0	0.2010407837
0	0
0	0
42.344823188	13.8991632097
8.167035795	2.1142347273
0	0
9.8275224258	15.2645510935
0	0.1074972044
21.9176124778	13.9937195745
63.7168028966	53.5801348114
5.5119338557	7.6209291847
0	0.0308866929
5.5812676085	6.8606734359

gene_expression_table

0.701121626	0.5775072827
1.7777414895	0.674046967
0	0
7.5334082515	5.5680566436
0	0
28.8141777233	18.9035705216
15.8758185238	14.0108167023
3.7600904206	3.607670489
44.9057618618	40.0476486654
0.5441624222	3.0735186111
2.9495410771	3.4056513128
0	0
0.83142113	0.5310955669
7.4857146004	5.890648685
0	0.2652461858
313.3187887125	170.6928985426
0	0.122956394
0.4501833385	0.0529731111
0	0
0.4656363572	0.0136978673
2.9597991331	4.0143830913
0	0
7.5618939514	2.6694260814
0	0
98.0051826088	33.2863479656
0.1760404473	0.5800114363
3.503687759	2.5914694562
0.2868463722	0.0843830915
7.3332726547	5.6285057617
3.3204549186	1.9291711521
1.3002852979	1.7468034274
4.8920549581	1.7989016129
0.4636811694	0.8002338959
0	0
0	0
5.8626742808	5.6913563273
1.0292674838	0.7670552758
8.5458387493	6.7744980915
36.0285995769	28.3515781792
10.0696827746	9.7425145182
0	1.4713397287
0	1.3416161662
5.3427813376	8.9063782977
5.3769727596	4.4289618407
5.1440314362	5.1450381797
907.1404313448	555.7120392951
1.0149067853	0
0	0.0891659857
0.5358663248	1.0341091383

gene_expression_table	
0	0.2873950117
0	0
0	3.278482628
8.3654633914	4.9582818397
0	0.0879401172
166.2500805997	127.3610735047
2.2720671689	2.9408976719
0	0.2115897972
0	0.0174365043
0	0.0823333466
0.1171421332	0.2641957218
2.7608886489	4.0609249782
13.0602658919	8.3670362686
0	0
0.7071221455	1.4977281962
1.7015796511	0.6607425656
22.7687451835	13.0844658501
6.9165497846	6.5109679335
10.430749022	9.4754284885
0	0.3396371384
0	0.4072535177
3.1947164983	2.8525888193
27.4328655728	33.0398117687
0.5866545266	0.5004797323
20.9804439548	15.2482889697
0	0.0416002991
0.3476528534	0.1963600336
13.42297148	21.8633585529
0	0
8.3987847127	5.929714198
3.6113832537	1.8543349944
17.9779890826	14.808300354
0	0
12.2707136109	12.6340890987
1.384524017	1.3033364551
10.9945989558	12.5061086616
0	0.8407733309
1.4502108229	1.6802109916
1.8366128206	2.7014298028
0	0
0.9829075535	1.1276734369
6.2760453135	1.8990071409
9.1696047367	17.7433607936
29.6063443906	27.8335767879
0.7379554778	0
1.6735678493	0.8682772852
0	0.4821021998
4.2518900106	1.0006405064
3772.2012143376	1968.7565202097

gene_expression_table

65.587636091	18.7845969551
1.8459107936	1.3756536907
0.5769986892	0.9165890343
14.2595725583	10.2772912111
10.905989897	6.8893416752
874.64108089	1013.5444083381
1.4977883778	1.8285406684
0.7877722106	0.775285856
2.1077811414	2.7695877459
2.5738141508	3.7857615802
7.3588248418	5.195481208
3.8321646899	2.5252143818
0	0.0884827691
0	0.2016096773
0	0.4150311281
1244.1104825024	1742.216543297
0.7430344547	1.4863597494
5.2463255323	2.6545429261
2.1602727721	3.9259697126
5.3454907837	1.1531746373
0	0
30.0075156802	22.3629169073
0.4777109262	2.9230388016
8.1248013866	6.6923224114
53.0947783238	32.0192934085
11.6643066836	2.7450798863
3.8134859592	1.3461996354
4.5140948606	2.0184608953
8.4323508664	10.1704131757
1.7452217193	3.0804057854
28.5027140089	15.4280170112
0.4837014442	1.2521781667
22.2197570115	13.4465177116
4.2359424458	1.9383921741
37.3066411159	10.5357013936
68.6495207746	14.6413656689
2.5215741666	6.5870473169
0.7447812887	2.0595041987
5.7460251047	42.4838318373
7.0989788032	7.5180368662
20.3388784673	8.0345745667
15.0102322329	6.8687705426
1.8445012979	1.08521311
30.8106929769	30.9815182781
3.0812270956	13.1974843025
3.350789388	3.4500170912
22.6081617738	42.9880988196
2.3826059203	1.8784216341
21.6590155423	7.2537594085

gene_expression_table

925.6248130262	508.9871969434
7.3422644749	3.3324359461
35.4584221982	25.7297722871
1.3570179368	2.1290721884
5.8242435497	2.93716811
171.776356427	62.2345729688
2.8296127239	1.6648038296
0.7790703527	5.1795399564
3.2269917505	4.0503508182
0	0
52.6084576172	4.1269610722
7.1568662406	5.8184843398
5.6389962352	1.8800332829
4.357594024	2.8842662998
2.0701489125	0.7307837871
3.6238605009	5.9698795557
7.1200526705	5.2064354155
149.7496834166	21.8165477197
0	0.3264949281
58.7458792301	25.5466854106
0	0
0	0.8112164334
28.0002512891	14.5519976082
30.999654377	16.2121418824
354.6949050334	175.1817423939
3.3302899656	11.7072805273
12.0591825885	12.9347765639
1.3410094443	6.1277715966
0.5971183617	0.9836815459
0	0.0135047425
2.0497284788	6.1905875198
6.2459082411	2.6690527167
1.0500347804	0.1235576804
31.2390769434	8.5771111929
2.2238660604	2.0934600427
0	0.6717741657
0.52755426	2.2347847405
0	0
1.0626802364	2.4175496645
7.2914753231	11.2491827021
2.2053396591	3.1789056514
0	0.3262178009
5.1670695449	9.1201425834
0	0
2.0117837933	2.3394174645
3.165440779	0.6311427377
1.8559047405	1.064624272
2.6364868374	2.9114420351
8.6425939616	9.6612601666

gene_expression_table

0	0.0278539605
2.7461759412	1.4688306941
23.2633202095	12.5007788795
0	0.0148393711
3.2221492452	1.895752856
2.1503104593	2.656785722
11.8050336579	16.0972095118
0	0.6900532725
18.7616163745	6.8438110012
1.7571231222	4.5487381449
112.3537215002	38.0094314448
15.9797464978	9.0883008507
5456.9209118695	8676.7120891625
28.8985004671	23.8034227704
29.2737244506	3.4446416047
90.1771218441	74.2780462925
0	0.7660542888
36.6876865254	16.1419874013
0	0.3304047393
0	0.6303119886
0	0.2820934811
0	0
0	0
0.9223026674	1.07540819
11.1210463825	25.2800520307
32.6137500626	25.1788113592
10.8372451568	3.9452104645
0	0.0335963175
13.8430086662	12.7597792367
1.7185273542	1.6177540601
16.3216554882	3.8411411331
193.8671258502	122.7984534361
0	0
0	0
1.9507232724	1.5608840403
27.2065889033	12.4854662087
2.1774713065	1.6142063539
296.2693255449	139.976357946
10.930339422	15.4340874487
0	0
4.4021251078	1.1511076214
0	0
0	0
80.8570715399	14.2716875572
3.9738515521	2.3380172227
6.2717533787	1.8449943617
53.426582462	33.2671760108
27.8392570978	17.0688907065
6.872887027	3.8414826589

gene_expression_table

6.5202915507	6.7517406191
9.783967024	1.6826403188
0	3.1255990353
68.838921911	22.0772383571
20.6818902836	16.0994630252
0	0
0	2.5198975518
155.1417167931	76.4450686916
1.6945668273	1.7945983828
20.3321530521	8.4078798998
147.4516524536	108.1863951449
0	1.348248281
132.7066925984	154.5406684998
3.8787591633	1.8256556608
89.0135425981	56.560847417
11.1768884315	14.467039363
136.35230345	27.713377463
0	0
0	0.5242186248
0	2.009978389
43.4754557886	4.263133766
28.5532507359	27.5508799001
0	0
123.4960195615	21.5285732618
38.2995132181	23.1773498947
17.3115113303	12.018577219
75.3151945764	58.6748374883
0	1.7737562799
0	0
480.6630663165	165.822648983
48.8698540137	6.5005876108
74.4695186822	99.3121242474
4.2332617958	1.9925130785
0	10.5568967074
0	0
0	0
1909.6003690185	615.6114863899
0	1.4938612211
55.0655753794	43.2386747834
60.2144996823	25.9799657858
81.1038691639	12.1462715418
0.6642607601	1.3678633361
0	1.4428651972
14.7542891824	5.0155110553
0	0.2256032625
2294.6519715845	331.8218400283
16.0792445796	5.676138164
78.1544621546	16.2290154689
21.867425273	13.3335527615

gene_expression_table

1.2459600321	1.6965128453
1.6108597518	2.6916100246
4.3373180157	2.7597924356
0	0.1203958936
7.4215104347	8.7692846094
38.8339770363	14.560750802
25.0141753031	6.2138868783
71.4990037157	65.0715688309
1.5365222309	5.8459539484
0.0689970798	0.0974267058
0	0.4069354958
7.2470589282	8.8228071593
12.6575914069	6.6052532018
60.3511051953	81.5450353662
0	0
0	0
0	0.0385932953
15.3747706452	10.1214638759
2.7866671615	2.7052357034
2.6914137535	2.5048002446
49.9835501625	56.8394782599
2.0578773354	2.0179216516
1.2071989067	2.746323129
1.2950135767	4.5715306767
0.3739543723	0
33.934185745	34.4199916551
3.6944262662	2.3806284044
0.2060118661	0.3636215028
1.3756347183	1.6366961961
1.5640889304	1.7791159276
24.5263987436	29.3219976596
0.5851431485	0.8491973998
0	0
2.6528074482	2.0758378943
0.1277422005	0.2254715313
0	7.6637885679
0	0
1.9744610518	2.2304159723
2.0399915653	2.5666454584
1.7790580441	5.7778366845
2.3965524205	1.7484156475
23.8291827149	7.2313218021
13.4423826855	9.9901029158
0.31808342	0.4304323803
0	0
4.0476167243	9.7042742447
10.1387461418	1.697769344
5.1913606711	13.1336586546
26.917434622	5.8191340906

gene_expression_table

0	0
4.4823034492	1.9658867176
0.0562384124	0.0198527361
5.3524939318	3.9297744372
0	0.3623063706
19.5653791714	10.8341637819
0	0.8905947404
9.221821892	5.5864231453
0	0.5128451851
24.5724160614	10.2806693452
3.6152167928	3.1550712296
0.9384976676	0.8558565176
2.5161569337	2.0133194986
0	1.1007893263
3.7470715238	2.3649249962
0.887994858	0.1044904292
8.002832632	51.3223221939
7.7536198234	2.488279345
2.6581623244	1.5013736786
0	0
0	0
0.2384575721	0.3311000049
1.0165796401	0.5981050564
5.1983429988	14.6805469317
0	0.0384080052
0	0
0.64329748	0.7569686828
3.5957408331	3.4308793365
412.5251761717	579.6130666925
0	6.6247794633
502.1148604688	501.4386218444
2.4090804195	3.8111866701
1.9353009479	2.4543912631
0	0
8.7455906312	9.1760915649
6.2077867324	6.5742370566
0.0226524114	0.0106620446
2.4528577899	0.8498490561
0	0.0917583549
0	0
2.2374309293	3.949180269
0	0.5066027556
4.219692227	4.1311423904
0.4762628179	0.7005235702
25.9440259081	21.7768946508
3.4626124526	2.7163059796
1.7554471634	2.8574633346
19.8000410841	9.3194899622
0	0

gene_expression_table

0	0.1009669651
0.536643528	1.0193712054
17.6867878322	16.6496464291
39.0400810061	13.3639261019
1.0365030947	0.5854339481
1.3557247907	0.8774053724
20.5281826121	7.5342247244
10.4221983055	9.5657713818
3.1903950144	2.8095502963
0.1828964613	0.0322821628
1.2520243992	2.633448957
38.703457632	14.6215044691
3.8272866429	1.7809577786
0.4424357198	0.3123686889
24.6354425175	15.160225988
0	0.0577824363
0	0
0	0.009666
1.7961557857	0.4034936211
2.6927945514	0.9769891937
1.6613820588	1.4592302807
0	0.021288928
1.5915323155	2.996411851
4.2810899641	8.64781501
8.5702921394	7.0592689504
10.3586971419	6.0945437958
3.1072621454	1.2340073134
6.2656828209	9.4979452552
0	0.0426769429
7.834840429	14.605253943
0	0.0942415994
195.4399451351	147.7994129148
0	3.3123897317
1.5036445766	0.0884669915
11.051607056	7.9327055129
0	6.3676415548
94.3721381037	83.2858303838
0	0.0948087202
1.9280357559	1.3774379241
0	0.3115220975
2.6434160785	2.7994589196
0	0
1.1734070131	0.6213370562
22.2337565845	6.5406199927
99.538724507	59.2735126204
0	0
0.0768815859	0.1176066143
0	0.271727974
0.4057616262	0.381968036

gene_expression_table

2.6612127746	0.1043817099
0	0
1.6016428405	1.3192581291
0.9074459867	0.5338962258
1.8916866347	0.4451898491
0	0
7.4201175909	4.0969751779
2.2719336106	2.1921766675
4.2115811481	1.7345198709
0	0
0	0
0	0.655814716
1.2492523073	0.5144986822
5.0785791506	2.5895862783
0.659280844	3.5685710745
2.3558977292	2.91079617
0.0606949276	0.1499815215
0	0
61.1247983636	17.1514895558
167.1698970419	105.6608115539
1.7271725423	1.9742977931
9.008409518	6.9961339899
2.7008861073	1.525504772
50.7537680031	22.9203356198
0.2427225354	0.0928238384
0	0
0.6515894564	0.8817347371
5.0807399121	4.975663914
100.5892899426	81.065235408
0.0987497897	0.023239792
0	0
0.0647608774	0
186.8137066406	49.4603650949
2.6944841185	0.9511805148
17.7414184972	5.845375756
0.7079593673	0.6023638437
0	0.0219132084
0	1.150260546
4.5845062803	5.5968895888
1.385293197	2.2524681898
0	0.0183220977
0.3841992902	0.0452087626
120.5491979833	84.3536701031
0.3030064145	1.3548820253
2.6446118715	2.489533601
1.218899571	0.4302840434
1.7888910975	1.1496481939
22.2455132105	17.8126624552
0	0.1994522893

gene_expression_table

12.6409420102	12.0649590411
223.6439504213	40.2991397226
5.4700039198	1.7700535017
237.9423063608	188.5822492821
12.3029381493	6.7860363803
4.0127717802	4.0135571237
0	0
5.8612073119	4.6898835317
1.5196068332	0.7152490527
0.39420348	0.2551227606
0	0
0.9350125846	0.2200460181
8.8241278986	11.6812785143
43.7342637268	34.6810105649
161.6454522169	77.6436383129
0.4618692439	1.1956602363
48.0874294681	33.2086190414
0	0
0.8791291022	0.186204951
0	0
0	0.1517251602
1.1843015228	0.557427437
44.5478102767	66.048501475
1.7513108975	1.7516536483
0	0.0542692022
0.7397351132	0.0870446926
9.6531381854	5.9415553296
99.6721869816	229.8384389658
0	0
1.9259038384	1.6241190712
54.4882455813	19.1204157384
355.336522312	1013.1485127249
3.4632329925	3.9733094301
0.8211709575	1.7129377068
2.0751346979	2.3487912973
2.9368314021	0.2879809973
6.4589808478	19.2793976486
5.4045418378	6.6775053463
1.151247474	2.7770814245
1.0432888894	1.6573125269
341.3647841789	127.6933016616
301.08813448	159.4307968609
0	0.4450135272
14.375281848	7.2911233512
0	1.1389139291
4.2153618685	4.654975539
1.1997789842	1.535311766
0	0
11.0380351838	14.6120233879

gene_expression_table

14.1948289247	24.7205392622
604.2789273935	365.48253693
1.1912735851	3.6446088226
5.8436166006	8.0222199655
5.6022148422	9.7417045386
48.7766396705	186.3987602925
0	0
1.9000719491	2.9065611275
13.1636330098	6.1221029133
2.2159965281	1.2467420004
0.4652171215	0.1642264128
1.2230653424	2.4466094194
0	0
0.9365986574	0.4408385694
70.7836359543	83.2911636351
170.3462888172	63.4747631707
95.079164074	32.4451222498
0.3948294194	0.8483928929
0.050310758	0.00592
1.8498933851	2.7628248496
1.421153118	2.4247944908
378.0473186526	484.204380966
1.5613824387	1.2217912144
316.7201591472	138.6734423041
2.1369268548	1.1135747449
40.2600835376	17.1731018158
0	0
1.3895764793	5.8864169
0	3.8120113807
18.680367422	21.8932791549
0	0.6211508316
10.4588471239	7.5837324008
0.1778484994	0
188.7752483563	113.1585440787
0	0
1.3224764759	0.5027591182
0	0
7.5905380406	5.043835743
0	0.2232870729
0	0.4358159479
5.1709869593	5.3241165953
5.778065623	2.7430668767
0	0
0	1.2116992278
0	0.0775326656
3.2267582594	3.18942048
4.5183166	2.126682769
18.8807853999	19.9743729079
0.0948684231	0.0334895259

gene_expression_table	
0	0
0	0
1.8073548117	0
2.1892874247	0.8758863569
0.343101344	0.2422365831
1.1920819257	1.8702983989
6.0278672552	11.2896860024
2.6371233758	1.8618631693
16.1652654813	1.7292437649
2.7721761724	1.4679099094
0	0.353373046
3.8020298032	0.5506278953
8.6937279935	4.0919668008
0	0
1.1712734165	1.9754750527
0	0
0.9509553969	2.0141820197
3.4569345156	2.3728703461
6.6317227516	25.7517272395
1.982404561	2.1418400693
0.5534326432	0.4186444206
4.9233693444	5.9381661464
1.5786720336	0.4458299286
6.8211154242	1.8606682886
60.7275003081	19.0554934423
0.9967080476	0.6450549563
0	0
0	0.0387438757
10.7085897782	7.3504704871
3.8995065058	4.5230018162
0.0576071594	0.0406718356
10.392841974	3.2101822841
0	0
6.1748375156	1.6550188625
0	0
0	0
0	0
0	0
17.8504674464	21.3621861026
6.2849096195	7.6173221585
1.2777444975	1.3668391082
0	0
0	0.2975456649
10.7223215325	4.668276945
8.5194787306	8.3958351143
0.2345076827	1.3797269318
0	0.9298530161
0	0
39.2422379897	34.7971963227

gene_expression_table

6.2283799673	3.3784625472
1.9004396732	1.3073455418
0	4.0025620256
0	0.1452318476
8.2232195705	14.4176413271
29.1585667266	27.4487278857
394.3844917968	141.2843131325
8.6522677851	2.545282685
0	1.5456097063
747.1215502385	462.8680014571
7.6465882275	19.1202118722
24.0700855314	5.6646579557
20.5324336986	52.7036719289
4.5420548005	2.6723198415
0	0
0	0
3.7839906203	4.0709713628
1.9303606131	4.9972052859
0	1.0231521038
18.6854719912	8.2213048038
0	0
4.5276322801	1.7048539812
0.8760921252	1.3607858043
0	0
17.0924447277	7.4704292031
42.7123814167	30.5253735446
0.0248136427	0
7.4098313259	4.8290703061
1.1877104051	2.2361277235
0.3734990355	0.175798651
16.8374844419	19.1522592924
21.7976639782	11.8746895537
0.271629935	0.4474780405
0.5752168086	0.8799155298
0	0
37.6095086428	99.0682925955
9.3553312991	3.0823593262
6.0072695721	6.4904061106
34.5214858469	22.1725476109
317.7963825968	715.9954335685
0.9386458179	1.5463074466
2.3287849966	6.4396656456
433.6001248794	378.4419972327
23.5655718728	13.3606390102
0	0
1.7598433747	4.1002021588
93.6551334923	66.1224443515
33.7208202961	16.5330489369
12.5579168851	7.3884556514

gene_expression_table

0.8232093758	0.871804045
25.1147577001	29.7798837501
22.0823769153	28.9075909184
0.4747791331	0.5363260829
8.2329705392	19.859873806
0.9063333692	7.2520859888
1.598377454	1.7464683666
4643.8821106834	4403.1355686525
31.0171945426	38.0905969635
0	0.506731042
0.4587194228	0.8960273772
159.1117073941	74.0397204035
7.5987312791	6.4080273074
15.6025237239	5.7701294253
201.5757944563	78.5463442644
12.020427181	22.1596331924
0	0
1.2658007953	2.4824480911
9.1804466024	6.7516494976
0	0.1295848844
44.4022366307	15.0939097065
22.5613713732	33.7883439938
11.3209373744	0
5.0264891271	4.1402717722
10.6780686562	1.836407339
0.8879540557	1.358313164
18.1716398752	5.4278866673
10.9187933833	7.8206150566
2.3498103232	1.1981769682
7.6185476189	5.317024942
0	0.6494232617
28.7572025268	8.2481646652
0.5955817209	0.4204929055
0.9644637748	2.1279099948
9.176958922	7.926124866
0	0
6.396438519	1.9757573209
7.3224421344	4.6312740342
655.0354427659	272.6674997254
12.8362899949	5.2636800455
30.8648732711	25.8266468944
0	0
0	0.1613339231
1.4044322626	1.2177027712
1.8860556076	3.0330750551
14.0123073172	13.3371976037
0	0
13.3952218794	14.1859519111
0	0

gene_expression_table

90.2825775057	112.4041022766
1.5533188729	1.3403805192
4.6973359499	3.7112268521
0	0.0218599827
0	0.0149731384
13.80627482	12.3004331692
2.3598026209	2.9727898391
0	0
4.118833536	8.1537504234
69.653656682	50.7017750635
0	2.3274877695
28.2465722524	24.8667724804
0	0
39.0442324397	44.4119349384
8.4277540768	9.5863804292
4.9184093231	5.9562983419
2.9489165748	1.0409977801
0.7127912546	0.3774339295
9.692709767	9.3144260805
0.5686362379	0.4683803158
0.4443309137	0.3973618639
0	0
2.6140890602	1.7577147335
1.9638067271	2.0797317166
1.3356260975	1.5716323461
6.7522152684	3.1781349417
1.8077154869	0.8933989367
0	0.039052613
0	0
0.5443143006	0.7569487461
2.4748783487	2.8248256804
13.2133985678	8.5227264363
0	0
0.3039739532	0
0	0
11.5874477881	4.0312054188
6.1039303735	6.4642499785
0	0
3.6803961526	0.9202791116
13.2583496378	6.2404444435
6.2451513143	7.9610643399
34.1815968891	20.9052558606
6.8366179592	8.3128092069
30.4143972487	19.0872782309
160.9393865065	121.3645122474
0.233829513	0.2201179068
16.2015426998	18.4818464654
34.1270354504	39.2967973499
0	4.2948580644

gene_expression_table

0.4646995383	0.6926289581
13.9829255656	5.2446233167
3.3391614039	4.9769790882
0	0
3.3117699647	1.5977546199
1.1284218742	0.7242627072
15.9788656342	4.3872137301
0	0
0	0
0.6689341998	0.2754974014
0	2.2575986099
0	0
1.8978172153	2.7542344958
5.7560904083	1.064359434
3.7277855127	0.4386488331
6.4344639616	7.3190578216
5.4791154233	2.80917187
229.2512710472	132.8364436064
0	0
59.7381326275	39.2386904121
0.3804851368	0.4626410847
0	3.1582715983
1.2361173185	2.0181746421
13.5966744555	12.1994038812
1.6618276757	3.5198532289
1.0862143836	1.7894091232
2.1197713905	1.7985480908
0	0
2.1650541238	2.5476209984
7.5706495722	4.1572485193
43.5691497851	14.1740540283
0	0.3402596964
0	0
0	0
1.1889216202	1.4498779764
49.3726374912	38.603810574
0	0
1.4975504365	1.3921133925
25.3492300708	7.9216566507
5.1793144764	4.9718319468
12.1361775788	51.5690150027
3.2445485382	6.9085139617
1.8782404263	1.0166584571
19.6352642761	9.1319097501
0	0
0.6785407338	0
0.3146061505	0.4720015836
54.1501648982	191.1556329905
4.798818003	11.2935463163

gene_expression_table

0	2.1973617967
6.3304091781	8.4173674858
131.1231546194	28.198325735
0	0
14.6984902818	12.1070080665
53.0804983466	68.2894543725
5.0942939175	2.1408785407
0	1.1507872221
0	0.386924545
0	0
85.9072687177	89.9675679127
57.9871261911	31.7434108198
1.7631349024	6.7427175221
145.7360718614	90.9024536548
0	1.200293244
2.4372354771	13.4791160155
2178.4904098254	3231.318738957
331.6275211833	195.1131907848
15.5594525749	1.830882086
24.6931256045	19.1772382254
0	0.2832765822
5.8239735088	5.4824595994
84.7315256413	109.3179383167
1.6126431236	0
69.722814545	12.3064341293
6.516553734	10.7352479214
127.3165935871	35.8482404476
12.4223399177	10.6134873388
11.219065369	3.9604450812
0	0
0	1.336834539
11.6245278556	20.8708833903
30.0604170352	16.9786165774
0	0.3030459177
153.7814820512	134.0358043632
15.0373232939	15.4826270358
22.31219511	2.9171976277
0	0
0	4.4043299453
3561.3952169804	7227.7920736874
31.8271060156	26.5561510647
3.0035499064	7.4219873432
82.1075802942	48.3080292059
667.3227089748	212.0955337504
7.954900629	2.0593184093
20.8806534958	31.6041279939
4.2478563794	2.9201507009
0	0
0	0

gene_expression_table

0	0.2906979381
7.1178048243	14.6893856234
0	0
7.8048627213	6.6911916161
0	0.1210258955
0	1.1254110507
785.6464660444	2514.0752233008
0	3.3964982088
13.2786349735	13.0786876998
0	0
3.8118947163	4.5544667734
0	4.6801246221
62.9730023561	24.0826249777
0	0.8067963636
10.3219955657	14.3321629629
155.9353091485	22.2808324861
0	0
1.1476694109	1.5248984318
29.879922842	33.4017436914
0	0
3.0282598289	2.8506846989
336.6696881192	89.1358883146
87.459128666	55.5826292133
9.5718295196	9.0105438418
3.211050031	11.9166350425
10.889278793	4.4846982125
0	1.3405780697
0	0
0	0.2983410589
4.7217057976	2.796537698
1.3491231568	3.4131558463
85.5447726745	68.0270866613
2.522315219	3.9062846924
55.9114742558	63.7865066007
4.3920091132	8.5273333154
2.0155235814	0
1.4614934026	1.0891689892
0.7902204088	0.0929853016
2.7247506836	1.1756126831
0	1.7207382147
3.3065001451	7.1006397129
1.7330140882	1.4274673891
24.6805109809	43.5623668732
0	0.2761106833
0	0.2276915541
0	0.0879775429
17.0588554639	10.7056903965
71.6841054641	85.0536697511
1.8101683485	1.7953081426

gene_expression_table

15.2014474714	12.5212891685
45.8381863634	99.943630319
162.3936142693	79.6202923943
98.124934787	297.1492095183
0	0.1975863596
217.7807634516	171.0931090579
0	0
0	0.0590001829
1.4560608874	0.3426696128
0.3775243076	0.7700041588
0	0
113.5214285018	211.931013262
0	0
0	0.1772152772
3.9232058306	4.5138520362
0	0
1.0859549654	2.1723349974
2680.7522290888	6955.0882906761
0	0.2403537577
40.9652975413	30.1908636107
0	0.3517060631
21.6998934344	8.5539847231
4.1162222242	11.4308066368
0	0
1.3747702641	3.8824639673
6.7975401195	12.0646623096
16.73646908	14.9314941057
1.1441586796	1.8175488417
32.4343061259	15.407543671
2.6080872876	3.6827261914
0.1499357199	0.7630575313
0	70.386572971
2.3624911488	3.7727829219
2771.3917970062	1609.3964479569
7.8476508012	12.1585440617
0.7992208348	0.7899728129
20.1517328701	9.6431081093
738.1798803089	326.9640841992
43.1840002191	16.0913055735
27.2949718899	22.4826113778
2.9502821961	5.6124192368
0.5669037003	0.3335380292
0	0
0	0
1.0481269206	0.9249988681
2.5663116648	1.3589014871
46.7800534932	46.2387475831
4.5514477055	6.0697846318
0	0

gene_expression_table

18.2339915534	33.73948627
11.5593347324	10.7340128263
0.084621118	0.3684228393
8.3181195123	6.7428018628
0	0
0	0
0	0
53.8051131615	33.6131933193
101.6107814774	134.8138437867
1572.1305015775	1702.3488081269
1.5915042288	1.8727243572
29.1728317714	36.3619293575
1.5121158136	1.1565501628
18.9181009281	19.478327038
0	0
1.6310417425	1.080839766
7.5050837306	6.0935544295
0	0
0	0
3.0864012568	0.4669419781
6.4739832824	3.9613296027
658.1344675472	297.7681491299
0.8128560654	0.5738930472
3.7285846778	1.5599746522
3.2627327995	2.3035562486
10.8784238669	4.4802276622
0	0
0	0
0.9772853291	0.728315894
8.7875132601	11.2450481963
0.174231752	0.3602470534
33.6518932997	23.0801001224
2.062467028	0.6720664644
0	0.007529
5.8400846473	4.8104227427
0	0.00773
0	0.0212863373
42.2076268118	22.4415610092
0	0
0.8825739906	1.1943043859
0.6863184472	1.5949931946
28.8899136987	13.4501108301
0	0
0	0
1.2268571309	0.3970020484
6.0046888535	3.7683852782
0.4219443465	0.4716771522
0	0.068554584
9.1425980458	8.6064822144

gene_expression_table

7.2830786995	1.8092232351
84.9576892362	53.5552414221
0.4013903925	0.0236158205
4.0873181256	1.7635019077
2.6519307128	2.4184100431
0.4826624731	2.8397466791
4.2716269005	2.8680200815
3.2736993948	3.6255668858
4.6018372015	3.2489914106
24.074369227	21.8532834565
16.3165277297	11.028648701
9.8147828688	11.9340319851
0.4667339727	0.0768888758
60.6525642865	49.8216963384
6.2307131658	4.5989662926
3.3692124704	2.3504148283
7.6445648448	16.5806473184
0	0.0269331875
0	2.5388413295
4.9496766269	3.5558814776
0.402382878	0.3945702243
6.7577247108	7.1566382878
0.2286557427	0.4170420758
1.4558963422	3.1693357208
0.8912712392	1.1885942277
15.4238041058	6.9106581387
3.5510808786	3.7607038562
0.3293501582	0.4392194875
8.3235521971	5.4733025241
0	0
58.2073496929	32.5340026091
0.6446684758	2.1998876107
0	0.2759710614
13.4070422238	5.5216272297
0.564833596	0.5649441401
8.1543710525	13.5532980241
0	0
0	0.6327792606
17.2832555377	15.5071312015
1.6045645095	3.3356299076
0	0.2168770196
0	2.4205322244
0.2011788721	2.3317643689
0	0.0519345792
5.6778124108	10.8329047225
6.3277145049	11.1687404262
132.086022182	150.5478267388
0	0.1554841402
4.2765715865	3.3677334352

gene_expression_table

16.3832309763	26.8930354232
7.5047922711	9.27244011
0	0
4.1366721689	4.6021187503
0	0.2846536334
0.1696217828	0.2694520266
26.3400819146	14.6362427545
23.7830880598	15.0104472473
12.7362294175	26.7887831084
6.0731741351	1.1910515141
1.8640725473	0.6580367177
1.9115840245	2.0994050192
1.8147945812	0
4.2646092951	6.3005903744
6.1879090932	11.6501084894
75.2427258847	23.6101809296
0	0.1990855849
5.0429661111	6.7557018561
129.9229787468	66.2482070323
5.6679396093	2.0008407838
250.5200732912	238.286303665
7.6777274923	16.2618990521
0	0
27.2138258304	29.8876961768
0	0.0808805104
5.3080845489	8.0306068226
7.9535120042	4.4858196128
0.4062251252	0.8604098002
0.7631037789	2.0652731665
273.4739324498	297.4323746803
0	0
0	1.174867244
120.8563713893	64.4913946385
2.2731094628	6.5531860253
26.4437412238	32.85310018
286.0446509941	181.1640686953
8.1118901827	27.6812770934
9.3764386696	13.7915790319
16.2237803654	14.3179019448
26.917943259	19.7964789679
38.7162449681	18.7025271127
1475.5626278766	956.935741544
1.9998799646	3.294564598
0.6731165676	0.7128511453
0	0.0144188625
17.6812374118	6.3744592909
17.3043316852	11.6813702682
0	0
50.3005436097	30.3342045167

gene_expression_table

2.0802885083	0.9179539604
0	0
2.3145184203	5.0112322004
27.5001591496	29.5455941633
37.2625989613	13.1988211766
252.8788700039	175.6580269283
0	0
0	0
6.6687970523	10.829107116
0	0
0	1.2188123167
0	0
0	0.0799787405
9.9555558605	5.9875189088
0	0
21.1593562882	4.9796464487
0	7.2088941574
0	0
98.7743494384	25.0882087196
89.0825525735	70.5176367765
0	0
0	1.3645552712
0	0.3732614729
0	0.358173743
4.9568348066	8.4574319116
0.5218557451	0.3684408551
81.8412644086	65.3241984321
12.4091341701	16.0620224135
24.2416087416	10.4032795269
19.988456866	7.9969475307
16.155641715	6.9704642772
9.1871611364	6.4031661148
18.5782275773	6.6949361286
0	2.5482386979
0.2892117526	0.1020947134
1.6147991837	1.2034191818
238.509794551	169.6981754315
339.6944548484	206.2746137646
43.2323044699	32.6099287383
13.222736226	16.4483021933
3.0999101858	1.7022445573
1.5769908479	0.5566939349
0	0
2593.0546695538	2051.6790899536
20.8572332974	19.1288877201
0	0
2.4119117724	1.3835730675
2.0464183515	11.0969689071
773.6383025071	1372.4652490266

gene_expression_table

6.9878286379	6.5780670426
55.9297293877	26.3250237414
1.7888401461	8.6302117543
0	0.9554435087
25.2795873376	12.5596382165
73.2369174073	194.2637703993
11.975113926	8.454675944
96.6242004902	32.2143703028
0	0.2539881102
26.3520546791	48.579959494
218.1989799975	117.2142036486
184.3973291798	225.6597111464
0	0
4.4307784244	2.3461653052
30.1111931614	33.8913502589
3.6586217528	8.3949513897
5.9977778082	3.5287950819
82.1221715582	166.4726972661
0	1.5594458266
94.114480997	86.3807790395
125.0430829873	72.2315292601
10.1199880816	6.464450582
3.8294309008	4.9567039986
47.7424460592	22.7267876496
16.4606815145	10.8606419285
0	0
59.4721368307	15.9047529897
2.0009153135	0.4708957446
12.1050091442	15.7633316531
10.8211431375	13.2541537887
22.0855315406	5.1976126875
8.0828888524	4.1214948986
2.1444345607	1.7663505589
0	0.4043306456
1.0529526561	0.7434061627
1805.7801020887	1888.8975122401
26.1395832007	17.0076242659
1.4944938475	0.946923471
0	0.0819797949
31.0769332904	21.8229899307
85.2549978204	85.0076841414
7.8684202354	22.2210640142
20.5638096281	27.8270697888
0	13.6403232239
0	2.4289206909
187.5023608887	64.0550859375
761.0675962282	468.085856373
18.322492006	17.8821936788
19.4846139323	7.3368196839

gene_expression_table

2.01678565	0.8306036764
0	0
0	1.5585713165
8.614853824	2.4329053682
1710.4849050998	1463.1540737929
108.6246365254	51.7361407432
2.2300894464	4.5922592047
16.2729266691	8.0074986861
22.9238909823	18.7595815416
0	0
127.1371059082	49.2900337531
2.3844580292	4.0684009484
29.8031205727	39.4530265205
55.8542086059	25.5311272793
7.6554232529	7.7069667419
1.1417251624	0.6717344768
0	0
0	0.7495733054
23.937619346	21.1255625305
13.2110566565	13.9909152764
118.1646273511	71.2602631201
0	0.8005194504
25.8945339546	23.58977014
55.4647407741	40.7908792893
0	0
8.5909996625	11.4087697518
0	11.9354125212
0	3.404125076
4726.8509769673	7310.1747693515
33.9296841362	26.1731130504
19.5694583271	29.9356173774
18.8277865336	18.019133359
0	0.1553832075
6.0909487454	3.7371956236
0	0.2952805546
12.0610641898	22.7076229131
0	7.3013199989
2.2708390244	2.4048883616
22.2239962546	21.2582281792
3.0667047684	7.5780475389
7.080252106	7.1649511749
1.9490509428	5.8482971805
94.597119361	41.3446463779
177.5796117117	44.2499458531
0	2.4632123677
9.3724595807	3.8600033599
6.6841939031	0.8848458626
3.0138552867	3.9010466405
45.3392857158	52.3807613276

gene_expression_table

0	0.2987722442
254.4299216827	247.1690816068
77.9460236999	11.5498190509
1.8971961612	1.1162161549
0	0.1080161291
1261.6273694436	1158.6006851134
28.0521872391	31.5419640915
0	3.5016254247
0	2.3150476465
108.7022255515	66.3237035645
141.1717214954	7.3829725675
6.9091312471	1.0839974024
42.925011324	55.5608864029
83.260836269	92.0947099412
0	0
3.1425910827	3.2048376149
81.7550083471	24.0502966767
158.6297835185	165.7978214235
0	0.6985323216
38.3339885259	44.4442887697
0.1108107463	0
0	0.430347379
66.8083018891	62.3835246451
0	0
21.06020063	59.9713647874
0	0
14.9428494862	31.6498742811
49.6846383804	10.8158317752
33.3330575214	43.1453403339
0	0
1.1011304899	0.5182804674
183.7544224854	123.728167845
8.7752429834	6.4020181704
7.1701433898	3.6049485913
0	0.4950700058
1.5570735717	7.7868915404
0	0
7.5481759621	9.4148616664
20.2611968376	10.7286152699
0	1.7496647152
22.7205953654	22.7632353836
22.4220762276	14.9509763163
0	0.145561103
1.7606985238	0.5064437707
6.1918744306	5.8287870574
0	0.2483003777
205.2800954646	50.323595842
0.4383441478	0.1031599851
0	0

gene_expression_table

2.0873215202	3.5532346426
94.1035691731	179.7696040395
21.9700319441	14.304859081
0	0.4964968451
68.2374297247	58.6153796635
1.9305534563	2.0445154802
29.9099831265	13.0221878005
352.7756044743	195.9569749802
72.7751706187	13.5588123223
0	0
219.8217952117	90.3688599015
0	0
6.6925853153	3.5438268324
0	0
39.1984586167	47.9698534039
16.7418169166	35.1787678029
0	0.5004303589
129.4652083388	125.935903661
4024.1657870067	9021.4856372331
118.8698424308	138.6753209352
31.1117480879	12.2902381425
0	0
19.2862675629	15.0130644378
10.25141016	13.7077760343
38.4510166103	62.2123471861
75.8965821835	99.9320932054
4.5116577644	7.5319613913
3.9276799766	3.7358776536
10.8698828713	10.8720102269
0.3854432571	0.4837881632
5.1241952622	2.867757917
8.6516221898	45.1329783994
1.7219344722	5.7746749413
13.9893152585	14.2073154769
13.8496226216	8.5105837623
2.6291584036	2.7843596034
3.2417235181	1.5258155101
0	0.721890651
0	1.700789492
16.5075513366	7.2841685496
0	0
195.9830481641	111.5525364535
5.7729171316	3.6562304248
0	0.7166014499
0	0.0318696637
38.5917925073	49.4655476064
6.7921411195	5.9237181483
0	0
1.4081055157	0.8284594691

gene_expression_table

0	0
0	0
3.3658661651	2.1123293503
7.7672186889	2.7419078185
4.7176148254	8.0054454698
0	0.2953093147
120.463242081	73.8587924959
14.7743425826	5.9108936335
0	0
0	0
36.659930846	50.129065259
0	0
0	0.3996126021
0	0
12.0563165152	19.7600154069
0	0.8751143819
15.1515705558	74.3386184831
0.5062901033	1.4521454709
1.8399352659	5.6832650869
6.2296175916	2.3990387665
0.3047120798	1.0756648774
5.4913114179	6.2462430474
0.8796813592	0.4945581891
0	0
4.9713687269	6.0625342389
3.021867099	2.4594515339
151.247995951	56.4724060625
0.7572726242	2.316816659
0	0.1138742827
16.5492880703	37.2779598489
0	0
0.3654631779	0.1863510251
0.92228366	2.3604230002
0.2835466751	1.2345035563
11.9946249348	55.5742104505
11.9068638928	2.1016225053
3.7091823605	3.0552185903
2.7674483294	2.0130835996
0	0
1.8589918648	4.5937022927
0.8923714927	0.8190423399
44.7679693391	36.4168809039
0	2.5408676475
0	0.041035759
7.3750889045	6.025201165
289.7201171984	648.633559922
0	2.0575397761
0.6351492741	0.6228172351
0	2.3270547082

gene_expression_table

5.3019010146	4.0205286534
0.8800365572	1.6154420147
20.564970114	5.8663800085
0	1.1022155914
2.326698291	0.9687698459
0	0
4.8793940407	4.0191109343
1.1646732016	0.5618934915
0	0.5376598556
1.5539791004	0.7314274029
1.7793458778	1.9741144809
0.6260679722	0.3683473533
0	1.0973629721
58.0030756545	72.5574106756
1.1837630111	2.6251465901
2.8926514467	3.432150255
0.1605599922	0.3400759388
0	0.1057571762
126.955068445	95.5701018985
6.4895360941	6.2264746947
3.2917624514	1.162025889
1.7238929615	14.5038199715
0.3816630396	1.0666201425
1.1129896964	0.5729744592
9.5642030409	15.4673186282
4.1035607671	1.7935035438
0.1956133666	0.0460356824
13.4667875248	10.9340022999
0.9296598883	1.2397891106
9.9047322487	11.321909387
53.3634344367	29.969289925
69.3769592402	27.3875364541
73.885347771	95.3352491956
0	0.1750381451
8.7441939562	9.1594948147
10.3600770562	7.8685500454
0.8837646673	2.0798532465
0	0.0470078048
0	0.0685259565
0	0
0.5976939523	0.5157584473
0	0.0497017737
38.041023815	21.7640328985
0	0.004051
0	0
0	0
0	0.3307625167
21.9064284334	4.0648839197
0	0.003385

gene_expression_table

2.1546659838	1.1831853906
1.0697886293	1.3217622337
5.0609195391	5.3927538087
72.3518705757	87.5689782437
4.071816287	2.6831333933
7.9711976205	2.1886001451
0	0
2.3870878379	1.2840632025
3.038433172	2.4788932861
20.7348069721	26.431886767
0	0.2320954887
73.4906286797	128.5867722169
0.3571135029	2.1851219396
0.4538051873	0.4138445312
24.6153908992	27.3098110002
93.2708899239	43.9007736763
1.3532169435	1.9107978112
0.2883056602	0.9159736811
11.7092948625	5.2993604073
10.9818426906	17.3913206001
1.6927855727	1.3943315395
0.1581182216	0.2294713404
5.718023485	2.7525285072
5.4131204756	11.4653221048
0.0144432736	0
0	0.007425
0	0
0	0
0	0
6.1616963053	3.8323929753
15.9562336863	10.8321424185
35.0927103332	15.5552671668
1.8860862871	0
0	0
1.4670037272	0
0	0
51.0625128702	22.6685456059
0	0.5761955025
18.6120004797	6.3512193945
0.2086729865	0.1657433325
1.5019500329	2.385916911
1.9163863643	1.5785094065
7.4340604339	0.8747665131
5.3799666197	6.8054070632
1.248173105	1.1749810694
13.7198315728	7.1034204066
0.2805303788	0.0660200663
1.3225925148	2.2998592284
0.6133409537	0.1443437626

gene_expression_table

1.9835461551	0.8669292988
0	0
3.5105931449	2.8457434354
34.0966846088	36.1948026703
1.7213592926	1.2153149516
1.8452435317	2.7606523577
2.9361249057	2.5048319585
0	0.6014341118
1.330786434	1.1126398098
0.9733351851	0.6871945959
3.6482014089	2.725021221
21.0124734956	5.9861482967
0	0.0501036807
0.3103718888	0.6026045209
8.3410575202	4.2531360564
1.080964799	1.0430171902
7.1546982962	10.9446213107
11.8460401091	27.8784906103
0	0
0	0
0	0.0476186154
0.4896703433	0.1728586508
17.4664136823	11.6123001283
21.2613992094	15.0109837404
1063.3979043445	227.5093097331
51.6591849357	32.1666690743
1.8521915079	1.4166589428
0	0
0	0.2093640742
55.8741598314	10.758627918
0	0
0	0.1218740955
0.5411301551	0.2865367377
0.8679080256	0
2.8572248241	5.0431482608
0.2486917368	1.9313961129
0	0.0506595574
0.0980016132	0.4382106047
0	7.494086183
11.5005991458	11.7283960167
28.3823610766	24.4219569893
0	0.006508
3.8915864711	6.7772649224
21.5810397034	15.9292317771
1.0607553023	0.8737341561
52.147616713	30.3324235562
2.1209285077	10.4819330662
0	1.6631600298
1.4077465014	2.0706206072

gene_expression_table

1.4567194405	1.5855637603
0	1.2645070283
0.5981626303	0.9150160077
0	0
0	0.056131805
7.6823057436	10.6970677868
0	0
0	0
0	0.196098271
0	0
5.8514314849	4.9345254313
712.7733905414	622.5890832973
3.8502941209	3.6245154501
7.4407393049	6.2747923175
0	0.4387475739
13.2314447543	24.6887026315
0.3734773805	0.2636826876
37.3160747623	34.5528750849
1.54524549	0
0	0.607745445
0	0
0	0
1.0901359563	3.4634625075
1224.2975327668	1600.2228932858
89.088774943	49.7946470974
20.6335998606	27.7480848174
51.7814579262	42.1296312425
5.433286033	6.2335184143
22.266205897	12.0523050278
327.3341798288	179.7480548297
29.418734926	28.0782738848
3.4242651011	4.63373595
0	4.2007602726
2.4644315626	2.4649138789
2.8454031595	3.482115809
96.1093290844	67.04735727
1.4578183538	0.7719372343
1.2793953369	1.2294635431
18.4016887142	14.5558176821
0	0
0.3772884486	0.1627837321
8.3891356783	9.6521362372
3.1931328648	8.9299972885
6.3284317973	4.6684898895
0	0
0.4700592316	0.2212476364
2782.7769741182	790.1704006206
0.8605614706	2.1940173717
0	0

gene_expression_table

0	0.7674072391
1.8399352659	2.0928849209
0	0
20.2992017837	19.961944736
0.4769798864	2.8063131566
0	0.3256105509
13.2835029544	10.003653784
0	0.479737458
0	0.7411044707
2.2478585667	0.6612642639
3.6085223636	7.5015339345
0.8847458526	1.4575136587
2.1158584049	6.3073219657
13.3320731963	16.0800582239
0	0.0141506228
0	0.1798802002
106.1529926544	50.1110794117
19.9923258148	27.8505485445
10.1610649006	6.7753690218
4.5125137415	0
0	0
0	1.7355382
31.9263636216	14.3641507095
0.5442441566	0.2775121069
0	0.1350891434
18.1189249799	22.2681343654
0	0.1712090312
30.7364431866	17.4262065054
27.6281668618	9.5029485241
0	0.6663117869
13.6558440416	14.4083959853
5.2049936295	4.2654302491
5.5499684369	1.4296833856
7.5484708012	10.3745169459
0	1.0068604278
1.9410245177	2.9692067256
0.4306590409	0.4922780864
0	0
0	0.2056808042
4.857928632	9.7892128726
0.5607253975	0.7697737183
24.223373061	29.8985234638
0	0
6.3516679078	7.6801926074
0.6998964216	0.3294274819
1.0722470266	1.1670854251
24.1685510973	12.9447185054
75.4287279393	105.6208862385
6.2707358151	7.7477190827

gene_expression_table	
0	0.0203639026
0	0
0	0
1.9431004038	3.8869613799
2.1756898765	1.7920952683
0.1903625054	0.1791997755
1.7489246514	0.7545857367
3.6484679325	2.6188247135
5.318519361	6.2014124882
0.6493510521	0.5977895657
15.0777204014	6.2096881729
0	0.1508078092
7.1207918559	5.7722287495
2.2186957633	2.1582126927
0.3304069228	1.3218863481
0.0530703187	0.0936718326
55.3086436693	48.1604781791
5.6934050521	3.6846889679
3.7932751198	2.4549525035
0	0.2844222077
31.7532674268	16.1132665473
12.5414716301	19.0003587029
0.7687806858	4.1160431858
0	0.0279475887
172.0863108965	121.9421027878
0.5527265475	0.5203150326
1.1968068433	1.2322481618
20.7787408157	12.6566578204
3.9808095783	0.6440805196
4.1862431532	1.7464752453
28.1729704213	18.7143633083
8.9252735894	6.7788069071
0	0.1355966339
20.1002055262	18.3302447082
0	0.2523757021
0	0.0129347536
11.0634558696	4.3197344438
0	0
50.6226632312	88.3304341633
15.5037596442	15.7172933651
0	1.9912045103
1.8114773245	0.8526267532
6.6921990412	12.337055395
1387.5101454477	950.1042655951
12.2583893842	13.70323419
1849.266995028	2393.0647813447
4.6636114867	8.3687051944
20.2301388098	8.1333139302
33.106423424	28.365096811

gene_expression_table

0	0
9.1979248444	34.8146455102
1.6734361013	1.0830235131
0	0.4090583829
63.6652106626	28.2371571182
86.3241588136	96.0371075254
16.0571999153	7.0854452143
6.1663869613	24.5978152371
6.8747207748	0.8089489686
0	0
2.9517091948	3.1259508106
36.175290337	57.0404424944
15.9797464978	6.4244885324
1183.4889314367	1239.1671586629
15.9511680545	3.7539505585
12.1923281376	7.6515854495
4.1796993832	19.1811974652
6.492471056	1.6552674932
293.7134699235	378.4018005394
26.2191711526	17.7399693603
697.5830838797	867.1507653854
147.9980095581	18.7210585264
7.3003126403	5.2078596691
0	1.1147751699
3.7122699811	5.9699159622
0	0
0.6762848678	0.079578497
3.8012339963	2.5346519597
1.2799743958	0.6275612259
0.9115490612	0
0	0
0.2455975103	0.0866984387
11.3216006199	93.2549584362
1.6919704153	3.9818860058
7.2134528175	1.4146793274
9.9311826803	4.2361862255
0	0.2549563349
0	2.8607712543
0	0.1018067492
0	0
0	0
0	0
0.571233819	0.3808970772
0	1.8664013624
43.1679227804	31.4449762368
0.0852900109	0.1204329927
0	4.5414233539
0.3537274875	0.4994777165
0	1.4405800132

gene_expression_table

2.9630236274	4.5325700951
7.1218587871	11.3514934691
89.0596294914	56.5383805014
57.4050620783	75.3842203741
0	0.5138011751
498.2849970966	517.0385469934
0	1.1096332419
9.7211357087	10.386492616
19.3715078214	30.6689225421
6.1247591589	3.4593644282
1.5260870329	5.7463932421
0	0
0	0
0	0.1636881335
0	0.1072317057
0	5.3047174591
26.669099923	8.2074828797
0	0
5.3265821659	2.5071174761
0	0.3520503118
0	0.4053396704
0.9075832493	0.7087330883
0	21.3851619196
47.9128266894	31.9481358374
0	0
0	0
1.0220540161	1.7669730523
0.3876442289	0.2280706442
1808.1721729163	3035.2652307959
0	0
0.171799263	0.3032345047
2.157801659	3.859412266
4.6459526621	4.2368446973
0.3413378097	0.4418177349
170.0465006672	368.6173546341
3.242917484	18.0390066576
11.6162780104	7.1078197067
0.3721802677	0.4817393155
0	0.1477457963
23.5427982017	18.9451613914
0	1.5772581109
4.8055005963	1.4702055085
0	0
1.5481940881	2.6167116546
0.6092205096	0.2293984906
10.5398637022	9.3016998259
35.2601555644	29.712662288
0	0
0	0

gene_expression_table

0	1.2054570061
542.8875407174	458.7966605294
0	0
0	0
0	0.1476280782
38.4209838636	22.1744304597
3.0623310511	1.5134479539
0	0.0254924894
72.0308203867	52.7471718216
2.1707728462	1.3501565469
3.9258514322	1.6360915685
0.2455015686	0.1877732357
0	0
0	0
17.2302197207	8.5830045754
2.3595653355	1.2494261268
20.9055304865	21.3196145154
0	0
286.0725334885	253.219972955
0	0.0314775721
21.8012656867	21.1058896822
0	0
2.0129832083	1.0185319807
7.9619532548	8.5707509353
0	0.002201
5.9594948522	3.131181802
0.3436443513	1.9813963188
0.2192989196	0
9.8235258733	9.0162938675
11.1728197569	9.0081750941
0	0
0	23.4381939823
0	0.0201674047
0.5822348391	0.4202046163
15.1539945274	21.9467298905
6.8341196372	6.4333714348
27.4311476186	19.1296125032
42.6701572332	17.8524478962
0	0
1.8895672144	0.7226229796
0.831533567	0.6604647146
0	0
0.7889852069	0.4641997765
0	0
18.6746236562	11.7862933758
23.4402842984	7.6836134535
0.9132214423	0.4235142656
0.6213308786	0.6214524799
7.6222714549	6.2223361552

gene_expression_table

4.0371224558	2.4770388004
0.4252544968	1.4511522341
2.4754807017	5.2432203823
0	0.0745298546
7.1978064429	8.8184157681
0.0925536892	0.0108908004
0.8814870272	1.4521451312
0.6658915991	0.9010884819
0	4.3026595095
2.253100163	5.4350109352
1.2562102179	0.517364265
2.1949088837	1.0146522255
11.9233486933	6.1253862785
20.5364931966	6.5246333551
0	0
6.4180804045	0.377608029
16.2916340495	9.5851897067
0.0753716549	0.3724975356
1.0293748512	0.2271124216
0.1651389922	0.1165915141
0	0
0	0.0128208405
0	0.005985
0.3503206861	0.1590001628
3.6793450613	2.9945628178
2.6158031265	4.3651887765
19.262923558	30.1143276928
5.8370810772	4.1582259288
0	0.3460250547
0	0
11.9873314353	2.5983821181
4.4162410854	5.8647281679
16.8002245379	5.5712180569
0	0.0497703069
0	0
1.2916637768	1.1044620086
1.8419572295	0.8159746307
11.1321256908	14.066025969
8.0547202595	2.5537933847
71.1101441427	41.5277742835
0	0.2016454333
0	0
0	0.0289563361
7.4444206133	3.4524138206
0	0
0	1.0235917281
1.3259350302	2.3403432887
16.3151962414	28.6771694397
6.6957474157	2.6859857675

gene_expression_table

94.2321535163	110.0301072959
1.8283877978	1.5418835733
0	0.1105821261
19.7031403936	16.9248323009
3.4032591896	0.9344108515
0	0.1363920509
0	0
11.3119716847	7.2817941679
14.2189006012	7.6486364484
19.9746831223	3.7606762141
24.1355779805	26.1688983497
0	2.6023753156
0	0
10.7689273324	1.26718058
49.8427439704	31.0686478654
5.928774382	2.4417378211
0	0
0	0
39.3345643758	42.2010429084
5.5366746532	5.972092221
6.434106908	45.0475629338
0	6.5251977767
7869.4469169303	5555.3828522726
273.0220234602	362.4273526854
181.7036249943	105.4032200999
5.2427672539	3.0845843065
6.040900312	12.3211095801
0	0.9500545439
0.8426336651	0.6940694169
23.6960676332	9.6771045511
1.692489061	0.7966213175
0	2.5895726675
0.817509734	0.6092441123
72.5970513822	83.4835335613
0.5137945363	0.3627494764
8.1804035973	5.7755326533
0	0.0608334818
0	0
16.2596721689	11.479661905
1.4873270298	6.5630211002
8.7205957121	4.8375794982
93.4668448767	82.352760893
6.5716993114	6.959631669
2.5099290421	3.0378194776
6.5882632252	2.210873864
0.3172127739	1.0358090886
10.0858579868	3.9955726349
0	0
24.4140623726	19.5873051922

gene_expression_table

0	0.1250456723
2.3880922	2.7164010863
12.1042120585	25.6374656171
1.7202866514	0.5060656854
6.0855671191	3.1507924445
1.85821726	0.364427634
251.4114798845	166.4078055051
0	0.4535212507
10.18425228	7.3466015778
1.0596501671	0.623445619
9.6416904146	5.6726925879
0.3105714095	0.4750845285
0.4334731547	0.1836245605
0	0
0	0.2764855676
2.1276771077	2.403493855
0	0.7626457968
1.5807209154	0.4960094996
77.0732787744	39.9045643051
0	0
0.9911190942	0
28.4946034506	2.3529560502
3.4490166157	0
0	2.0894839663
0	2.004544738
0	0
0	0.3539781368
0	0
0	0
0	0
37.0887284926	66.9815011203
0	0.1306871006
8.9555697243	5.1184699587
7.9821726964	2.3481573222
0	0
0	1.271623098
0	4.9258588142
3.610095292	0.7080003583
3.5636605224	1.2580086953
91.8480993253	37.4669482385
2.2839001061	8.3311482124
410.6528520834	404.7640880393
25.7802029056	10.0107434866
13.6349679659	8.5034674516
3.7314873851	5.5199185829
301.7692748043	563.5949893631
59.8477550265	70.8141417521
0	0.5526015919
10.519782307	9.4902880907

gene_expression_table

40.6410937919	0
1.182856899	0.5368636424
248.0543776208	443.8866974887
0	2.9107074586
0	0.6903325898
3.7758577761	44.4305500348
0	4.9052970279
0	0
26.4144889257	4.9731121942
2.7662238904	8.6257976089
8.3512705696	13.7577258906
0.4932448531	6.6165785954
3.3745355235	4.7649825278
11.7867930497	10.9569281002
1029.9735031936	875.7465578506
34.6206966262	34.3728585103
8.6651999543	21.9221482737
41.7082879814	4.0898481129
0	0.8092008543
15.2950079923	21.2182805705
13.1379571229	14.5576441696
58.3086244562	53.8878135149
1.2949267999	6.2473399392
0	4.4500108626
0	3.5406362246
178.8362992198	102.7426841127
0	4.1571399466
721.6555744483	593.8834515752
5.5543120207	9.150069041
10.8625748232	10.8647007485
55.1438049722	21.6292538121
2.2271338133	3.4068712873
12.7911305918	4.51540022
13.1258111681	5.6632227596
0	2.3781999834
0	0.1803581496
70.6106098915	132.1847604673
19.5191832706	66.008722457
2.2085531541	1.8191644406
0	0.3692805143
224.7074430005	247.7651827511
495.6120375436	198.8999903155
22931.72899808	23692.6776654737
4.517260425	9.036289005
23.4595934422	25.6725786006
0	0
34.7069685669	40.0229245648
837.6812083438	512.700995646
3.4862245811	6.5635894091

gene_expression_table

5.9525150464	5.0197694278
56.8377649942	23.2629723865
11.2653913615	2.8721323449
14.1091555839	17.1556636832
22.2256202989	27.8171818327
189.4271971753	78.399008342
2.1675553921	9.4370876988
0	12.0026444619
7.2505697961	12.3100986562
12.2812505162	9.5654225142
39.134953621	48.8131406203
0	0.91109203
2.3440528005	6.178477516
560.6015179189	442.1740271663
137.9812974966	102.6834424707
273.4976286531	326.750779555
4.6491940764	3.7200831798
0.5467953171	0.8364388592
0	0.5724963622
0	0
5.0318552527	2.6644447282
0	0.6928566578
0	0
5.8452073737	7.7722082586
11.7422695416	18.3077083687
15.6720474906	15.1786178374
0	0
4.0030740752	1.1776051532
172.9614627459	176.38737817
0	0
2.4964268309	0.587509508
0.5451725411	1.6935731607
0	0
1.5926190949	1.3118253548
25.6730967486	34.8783037378
14.1386489934	11.5666484484
19.6690484458	79.8488208672
12.2840386257	22.8865109995
43.6100430404	52.3686094903
0	0
12.5997327453	10.0076283409
0	0
8.2047155808	2.2527156603
0	1.3878276172
12.6017868262	27.9270706704
3.1444660354	2.3433940156
0	3.8318942839
241.5093339938	170.510541194
18.1863731395	43.6558377903

gene_expression_table

11.9289136408	6.5504892409
31.4907769115	16.6748505897
25.268851466	36.5955429617
20.1780848279	8.0275877141
1.8117320675	0.3197799959
15.0093069775	37.3413811875
9.8058303174	6.7788856328
0.5981786771	0.6475671617
2.1992092867	0.9133452025
1.1699615619	2.3920071255
0.1991197795	0.4529885282
2.5977739075	1.222721092
0.0636749572	0.0524484627
1.0740497484	1.3270269992
9.9201369399	6.7119942251
0	1.0901904359
3.1077796953	4.3099496396
9.2413103392	18.8322370362
0.1590076859	0.0561313431
0	0
1.2263355014	1.0101210072
4.8244096598	3.0558561302
0	0
0	0
108.1285782974	28.9977415715
19.8281245536	13.9304395935
5.3167309402	9.975166115
1.4106065913	1.0512459054
0.0535436494	0.3622779283
19.5750604358	12.4683989286
17.3847068172	9.2736582376
2.5551142503	1.1425099287
46.5967571235	23.7141666336
6.5868712101	3.7122141815
6.8619050503	4.5418552945
10.8520066868	4.1349068738
0.5173247934	1.4406764238
47.1716560891	16.3908690841
82.163435791	117.9517760185
17.3645108548	12.1867262598
0.8828562336	0.4986516809
216.5817992412	78.9900349219
0	0
0.9072907861	0.5071146678
0	0
4.1410001907	3.2281759321
0	0.4342606049
0.1602510975	0.7165568818
0	0

gene_expression_table

1.7771275218	4.7259932177
0	3.122073643
9.682322601	0.3797732368
10.5097022339	6.8311711786
4.6569620286	5.166716765
0	0
0	0.0235490542
57.7330910045	117.9591282454
17.3161649624	8.6865874181
9.662420049	5.1976126875
9.1586919896	6.8254589992
116.9696003513	165.2805704107
4.883709906	2.2986662126
5.0167122502	2.8313350014
0.6468349209	1.3700361465
0	0.3356226829
0	0.003867
0	0
5.3715590199	3.834568915
6.078905347	2.145915902
0	0
0	0.008882
0	0
47.3880335901	56.8767695389
0.3200987237	0.2071632398
0.6040131573	0.1573787601
0	0.009608
0	0.007871
0	0.0460678582
6.5865167342	5.2702446303
1.0366958552	1.4394594384
0	0.8686453347
153.5240524174	76.7770493809
2.3579043716	2.9879748192
7.1639815007	0
2.5489257786	1.4996615479
0	0
51.5787547101	230.2278840561
0	0
0	0
1.048605175	1.1217223514
68.673916482	29.4502653659
23.9539387642	6.2138684516
21.8371811598	11.0930775429
2.7403832453	0.5239993293
0.3554009922	0.3031954674
0.8508861535	1.3588236088
0.6598886836	0.7247254615
41.1725426655	21.4855307398

gene_expression_table

0.7237767827	1.8736712403
0.4119966478	0.2747181867
1.5906153294	2.2994905917
86.4656433539	47.1178998655
8.2891793386	2.4709840129
0	0
133.4517510091	91.1998109344
0	0.0298208035
0.7638276719	0.1797593321
0.8152565009	3.1657329217
8.585202999	23.7136217651
9.988453413	4.8821904634
1.4217804663	0.8736831378
3.7427062811	7.976215941
144.3519529259	53.505605082
449.8977816521	326.8675361918
12.2123610326	11.7117907854
1.0701183978	1.3599459509
0	0.0181217091
2.1543118431	2.066984139
5.5579062692	5.5122797772
0	0.2972976697
2.3317901121	1.188988396
0	0
0.3537533883	1.6650476318
1.4517265997	0.9395363473
26.290510983	36.6592385236
7.3768316954	9.6206924626
0	0.6159699009
4.5272610367	4.0220600458
3.7566918133	4.6169691724
0.7842077751	2.5376393485
12.618792916	8.9091265076
1.4990179779	1.4993113522
131.6747702982	112.8861775697
0	0
0	0.2787408949
0.5606603255	4.1562956858
75.7750734082	211.5397645412
12.4483638869	11.7184001586
33.5151579917	7.3944964581
1.0279853766	0.0604815626
0	1.1242785383
10.947367284	12.2376874281
31.8898862087	29.9691753565
0.8234090392	1.9452653343
0	0.1310284775
34.4758089285	10.8180568543
0	0

gene_expression_table

6.2925840016	2.6285935446
0.9211955429	1.9511488185
11.3444747781	4.6165474822
176.8160406783	123.7049911763
0	0.3003243078
1.7736068426	0.1192574089
0	0
0.3359906826	0.7709530086
7.3109161048	16.5910392561
5.8702430431	4.3747626028
3.7703694501	1.242247128
0.2821350478	0.2257522118
14.0897817054	12.3516961491
5.4682626197	3.0563918693
0	0
4.46301157	0.5251629448
7.3967848496	7.3692198053
119.5300637218	101.0391762024
49.9225035866	65.7552146768
2.9062599347	3.2882677847
0.5158999986	0.6374129579
2.3807126919	1.4357106406
21.2985012102	23.3911665767
31.7273494147	22.2304609815
0.248453534	1.8564573058
0	0.5788171563
0	0.0378393469
7.358021498	6.2181546733
2.0428257854	2.8502138467
21.4298342738	15.3591432938
4.0283582294	8.5323104966
2.4100962209	0.2025687314
13.0811887213	7.0036537982
4.1333240859	2.249454733
2.9017147809	3.3461612057
10.0790195226	17.8464622007
5.8297341824	5.1448898166
0	0.3851673052
17.978653819	9.3409655928
13.7895780921	6.4904832302
113.2947074425	129.6515051181
17.7292110991	19.6102588783
63.3485925632	55.9067563933
67.3402791135	37.4780769813
8.9043620283	5.0293297185
1.5830949536	0.5122780179
0	2.2672186724
1.030474943	0.2425121455
58.0694414966	53.3502429135

gene_expression_table

0	0
0.1831547431	0.6968426307
9.1251753503	2.4159603302
4.9851257831	1.662033809
2.7520235046	2.2513953359
2.2021104082	1.7620331083
1.0878806613	1.4721265968
0	0.8441794198
2.5767312374	2.5393350095
0.6535064793	0.8458797828
334.4345366628	343.8204223124
1.6468095965	1.0519497818
6.1982737307	7.1314357972
0.7837748626	0.7275674009
917.4704625918	896.7735460328
6.5700471918	3.5911649154
3.0416054298	0.9842414047
2.2200339008	0.5877710433
0.5811108134	0.5470348641
0	0
89.7941161254	55.3033183878
1.3653753558	0.481991497
31.0643345139	13.6244596788
0.7460176072	0.1755679085
2.2540345626	2.5344432727
4.2499029822	3.8131591005
7.6088960619	4.3389526516
1.2068219633	0.4260205241
0.9040317086	0.9118070295
2.3045904637	1.741269738
1.1097938378	0.9141267361
23.4231022157	6.0636364733
0	0.3154410731
0	0.4496827145
0.4769641897	1.6463162056
33.820384533	18.3213959315
1.643688024	0.6769451754
0	0
35.5151792174	27.6358126577
3.8982329407	1.8348215848
2.3676598993	2.1173808118
896.0513183018	811.8759385328
21.7366563505	41.708716421
3.0163417996	2.7380560515
0	0
0	0
14.0431946065	6.4446091476
0.8071817886	1.1279011394
1.1075464762	0

gene_expression_table

50.6537241602	14.3259408837
9.4475596396	8.3545573635
3593.4266051104	6453.4576302681
2.0954772123	7.3972493655
0	1.0805719211
0	0
0	0
866.8134080916	501.4187701499
275.8439655104	255.9591076737
23.4362232651	4.0709529957
265.2147936304	210.0203754246
180.1645415754	50.9752248194
6.7170108092	13.2610083099
14.2862561368	22.116510809
80.2526582145	26.4413436137
0	0.1692015143
55.0602594205	66.177798744
10.243365189	8.7817456527
23.0202705954	24.2198334888
1.9073747832	1.9398110703
0	0.3790241771
5.4896215036	3.5528032183
0	0.5584095945
1.3642668618	3.4113346597
4.7821925509	12.2860751115
7.6512556272	9.3408603551
23.9642311669	19.0465111944
12.7399028252	14.5225838637
3.2211645902	2.1478633383
54.889481913	29.798784895
0	0
2.7878128793	0.9185180892
10.9145629672	24.9728410033
13.3311534893	10.3532744448
0.3937015401	0.2316344658
38.470592953	23.414678745
0.2263630518	0.0266361592
3.8496655989	2.5480714108
4.7875587535	3.081869225
0	0.1272036221
43.3778677846	55.6366229035
1.9448337038	3.776004286
5.5253295491	1.6254149755
1.1478208935	0.4051925416
2.6225397928	6.0947409164
24.1873641207	29.8843561723
1.167711092	2.1297722589
0	0
62.4953719461	30.4124728344

gene_expression_table

0	0.888263887
3.3946107536	2.716220093
4.3865970778	4.2031087099
0.7129621877	1.8037278857
21.7173704042	27.2585044484
629.7162330477	196.7999372962
0.4564563443	0.5729200663
4.2152098021	5.4808451944
10.1862271936	20.7452458714
22.4888480239	6.9209997965
10.9199974271	7.7993902275
1.5109926188	1.6001876506
45.2813379654	51.1028460129
4.4166015537	8.0553790509
0	0.2540894687
76.6408170751	54.6110065442
20.4853342853	17.3556791919
48.4863480584	20.5037547703
5.3557375731	4.9629044447
5.8633561526	3.2657236155
0.2224749329	0.6544660991
6.3399972982	2.6732670444
26.0868178943	20.5719602226
0.1127437362	0.3515639689
2.3057442496	2.488632882
2.9094911319	4.3716746743
1194.6471653191	1104.5118218402
5.938795359	1.773924003
13.9462401477	18.7158443387
2.974310685	2.6540710188
0	0.296419143
0	0
0	0
0	0
10.0379002555	8.341946474
0	0.4383951322
0	0.005467
0	0
5.8353820125	2.1515029872
2109.0730658726	1018.9673235317
5.6676199358	4.7196658997
0.8265896787	0.6808541364
4.0785479823	10.1583719072
35.5865968249	10.7013322196
1.7763570299	2.3515209032
24.9610437846	7.0492034641
9.6000199195	3.3889054408
0.4341489957	0.0851439144
0	1.2298299355

gene_expression_table

3.2633319778	2.0879812232
0	0
0	0
2.1215106047	1.7474683122
15.5612424579	7.062786135
42.1126345276	15.0567838833
9.6032003138	6.7800563051
25.0292666863	28.8478162961
0	0.9128685471
2.9479943706	2.0813444651
12.6262455001	10.4001195489
0	0.9496120193
0	0.3364088395
0	0.1577054963
1.5036445766	0.6192689408
0	0
14.0763158477	19.9334510643
3.9257819509	1.679807602
2.4062806746	1.132588993
1.5812461214	2.3342745586
0	0.6897941088
10.5159659521	16.0863897117
0	0
1.4231882043	2.7166816174
0.1546086157	0.2546993224
0	4.5868433328
1.2875215487	2.4240442933
2.1566870317	0.9788562389
1.9641726621	2.5166874913
293.0738698957	147.7593609176
16.798365871	6.8194946542
528.5194697221	295.8055783101
0	0
6.0111829798	3.8772514
3.6387422177	1.6107389042
0	0
0	0
4.789486231	2.9913052257
0	0.4081425633
0.4853658194	1.1422607313
0	2.1218869836
0.1180326713	0.3194450291
3.3585054046	2.9392673634
0	0
0	0
7.136906674	6.1585363055
222.6730546277	489.4151247157
12.1463482703	3.9579558008
6.7536033564	5.0486637506

gene_expression_table

0	0.0173892089
20.9272711458	14.7750824772
3.2049599367	1.0559581307
0.6393237866	1.0381641116
0	0.0173262997
0	0
2.1929518679	2.4944333541
551.1472146031	837.2002287085
0	0.6759677618
128.0707654715	73.5176387097
13.9282689738	9.9826380489
1.5419985715	3.2055654491
16.1454319585	30.202494462
0	0
0	0
0	0.1635619854
2.949231606	3.4992829918
0.1984242988	0
188.8515495198	68.1480113946
0	0
0	0.0165828675
5.3738576965	2.6611071146
3.3598289382	2.2139675723
0.7370618393	2.189935739
150.0657664707	90.455816301
1.3366191796	2.9358950257
11.7577681113	13.8353755715
0	0.2343921611
48.0785757344	13.8202444976
0.4381983666	0.2062513538
0.6456415296	0.354539233
0	0
0.4590604943	0.7022299279
0.6680554533	5.2668794518
2.9805238622	5.9209533679
2.5215873276	1.5785258842
0	0
0	0.0356729376
3.7187468918	1.8670304334
0	0.003113
0	0.0187739368
0.596224858	1.8241035518
0	0
11.2774988536	14.1991592976
24.9453361491	21.8314409474
13.0046030269	6.3396184361
0.2546394184	0.2397075333
13.6370297881	9.2153930745
71.0933308086	51.4235782421

gene_expression_table

0.7668283044	1.2181421347
30.6581281302	31.4371735131
4.1042455343	4.9099603057
1.6378371131	4.8181107526
0	0.3493985358
0.568214706	1.0196435478
0.3484024753	1.3323878234
8.7597089861	3.3635185645
3.353551427	3.6501672616
2.0892364349	4.3022109559
13.7751689196	3.4444662179
62.8389980235	20.0080251217
12.9176738623	27.3604277501
1.0125563315	0.8578626352
1.4678728844	1.5199775808
17.2133373795	9.4523092966
0.1960484632	0.2422249101
0.7620881229	1.076099678
3.3577273424	1.3609139749
0	0
0.8994049729	0.6614566149
0.0336989065	0
0	0.1181643915
7.6792529696	1.2048244524
0	0
1.2042649778	0.8659808707
4.61672469	4.4818156386
11.3987577429	12.1232231773
4.7054566944	2.8653534236
5495.238635507	4462.0630227985
3.7984010414	8.7715540521
6.7283299322	4.3703117655
8.2553707306	6.4529389492
0	0.1314653148
152.8115790881	119.6606516564
0.2977449787	1.1211416496
0.8700354214	2.2181713843
73.8594130743	44.2296659768
4.0548569716	2.0516820438
72.0031301521	22.8289886593
103.5223740701	37.5986263419
92.7570970554	56.6938052994
9.546130819	11.5775871461
33.6920223681	9.9597058121
0	0
2.4718498968	2.831064432
6.3551828789	4.6863067126
2.5629950248	15.3474700264
6.8594017425	16.2326104668

gene_expression_table

0	0
8.6832400165	11.5118020574
6.482066261	4.5340969371
17.3348045372	36.3082246178
62.718551532	48.6348405805
11.3535886919	3.8378996638
15.4273933556	8.6945359295
27.9143582796	16.4234243684
0	4.0112110615
0.7269678175	0.61590502
31.4741987284	21.9221510695
0	0.7712805919
0	0
4.2486607055	1.817964584
2.434045553	3.1007465918
3.1326360314	1.8891649122
0	0.5342940674
1.2159799714	1.0874419336
5.5988063791	1.5811488359
45.5467611738	21.6931786551
0.7413242327	0.5233901068
0	0.0706954828
3.5498806161	5.4302917374
1.9767635125	2.3260592786
12.6880006947	6.4497518051
38.1554759363	22.6625882271
12.48422123	6.3945548454
18.8962569094	13.8142350274
0	0.0622166284
0	0
1.2795262533	1.1360584349
1.089195882	0.6151956986
104.3565218214	68.9998855668
14.9383865832	10.3071070292
78.0889262015	40.7537212865
1.7313874767	2.5806117833
0.8563318163	0.6045878187
0	0
1.5617373288	1.3093595551
169.907988974	129.8142708962
21.1906419426	5.1076626687
0.8878044792	1.1491483006
0	0
0	0
40.1308742833	14.3812556072
30.7186764564	9.7924675453
7.4586862033	6.0711819174
0	0.0207496628
0.8732549111	1.5070876837

gene_expression_table

3.8719375071	10.0234466274
25.9451869743	0
37.019117219	12.3590046418
19.4396362659	14.3508244292
0	0
22.5581791028	14.5993255206
0	0.005775
0	0.0201302699
5.2177590041	6.4467284538
7.6601695717	5.7549186094
1.3033130599	0.556942422
0	0
0	0.2393457463
4.5913528332	5.7306666773
0.920584833	1.0381174037
0	0.003036
0.0765822443	0.2883660508
15.4470567425	12.3869921648
23.7950221995	11.5538672262
0.1258078467	0.0148038198
10.5032095875	10.1022498928
0	0
0.5277847903	0.2251287415
6.6467272136	7.9067539506
0	2.3364557419
5.8458262416	10.1462132267
22.2000556372	12.6623133183
0.5105840416	1.2541797462
0.7880131343	1.1590696428
30.6539447904	42.7804153663
1.3572720957	3.8969318331
0	0.0169530543
0	0
5.8745972404	5.0324044583
34.0997934677	12.8974035525
0	0.0990743966
8.3293962824	19.2254456235
0.4265027609	0
86.30979161	50.4144171119
0	0.003254
10.6112419318	2.0810428762
18.1603102061	3.3389456578
79.0778663678	47.4618579289
0.0813929939	0.0542726156
71.4400920187	92.4005035758
0	0.1724871467
1.5028260439	2.785193244
16.4904769144	16.8759113331
3.9378978885	1.9461656505

gene_expression_table

14.7378768878	6.3377390625
0	0
18.2913772816	17.4878266447
0	0
11.6261890767	14.7998638451
1.820083728	2.0346093429
0	0.4144044377
0	0.1168207866
7.0003125535	10.2965920465
0	0
1.6664837886	1.8340676824
0	0.0332187389
0	0.255204319
0	0
0	0
18.1578928508	13.0335087006
23.7798194083	14.5904752669
105.8975939614	82.2943804245
0	0.3411359746
0.9130996077	0.2148890144
0.6118360012	0.2159843803
2.1336321839	2.5734129449
3.262292165	5.4510135255
49.6896260072	26.1512297188
0	0.2420389091
0	0.5289191256
2.124348044	1.9997776962
1.3310646377	2.0883531634
0	0
8.4867000773	8.7086472034
0	0.0910474485
9.7055843584	7.1528828353
23.1253760355	17.2653223299
28.5981744577	18.7739923968
1.1459226813	4.0452245329
5.2836199858	27.35585625
5.2004413612	11.1678387518
1.6151140909	0.4276138729
0	0
16.7812778422	14.9509544959
212.1197436954	157.5071407241
61.6750215895	50.1963592327
340.4468816531	92.5079274832
0	1.5433389105
0	0.4543367734
0	11.237974351
0	0
0	0
306.4192404552	336.5261914477

gene_expression_table

1822.342434116	662.1570049429
45.4387664823	62.5888180644
0	0
0.6669947916	4.3166933108
3.9548755232	6.9805580043
0	0
106.0009623567	69.0356384899
0	0.1077023469
35.355706842	41.6030898146
4.0797090697	3.9714030347
9.6871761659	10.7656356142
22.8363713548	19.6369218548
11.6722325998	10.9877806908
29.3871638497	18.0376236612
2.6423518285	7.6176811368
44.0201368976	107.4819537101
1.6591405965	0.4880780319
264.979460595	86.5139520093
0	0
23.2642537296	16.1969145371
0	1.5105993473
10.4216362498	2.5752610994
63.8837689192	22.3010516826
17.7048466313	49.1666065034
1.6849629521	4.956743288
1.6587133684	1.1710856448
58.973973958	42.8542859983
1.8301771094	0.4307141871
0	0
8.3451847877	8.5923126801
77.5630748467	48.828666252
569.8565163343	132.1379201235
0.9932926754	1.6363316508
0	0.0766484647
0	6.749266435
8.3681466937	15.4266615021
11.5995438764	7.2795695903
0	0
373.7381546137	313.9105028423
77.2539169116	53.7407484665
21.4720445534	3.1582715983
0	0.0647942884
2.0354792604	15.5684759639
0	18.5778292023
17.455035534	7.2821349238
0	0.2050039938
1.6000916398	0.5020877789
19.3209759029	22.0529582509
104.4486900805	112.3393553914

gene_expression_table

0	0
330.1040301445	259.7650291107
11.1286150867	24.2258437601
132.026994597	54.6623930477
1.4016711466	2.474021416
0	1.6992008599
15.8104114874	7.7074229748
8.8849839531	6.2729808297
23.4453625697	18.2771677573
0	0
54.5642543945	55.1099815837
0	9.5902530258
20.9665184963	0
58.5223894722	108.1301028658
50.9591447062	97.9406580618
44.5859857239	38.2240385926
0	0
6.3464171094	13.068710062
48.1237897634	73.8617004368
47.9317720538	7.1114753556
43.700171438	24.2418133341
115.2751244759	44.1713605001
0	1.6317327399
0	6.228463909
8.5145520066	1.1271465527
0	5.3165293438
116.9337458162	141.9411745074
6.6385572305	1.5623191692
528.3860763227	1862.7700045965
0	0
0	0
0	0
6.0249411221	3.6940303818
2.5522571118	2.6428539089
0	0.2820759847
2.0383316611	2.3813743808
0.8125940191	0.1593633437
5.9077661352	3.6654277679
0.7502170153	0.4237348749
37.1664028461	8.3491680333
0.3866140749	0.8340366931
0.2312219881	1.1427322485
0.0765754164	0.0360425426
18.45168023	8.2971268179
3.2466445627	6.8765928706
17.4269851943	20.3740490354
17.4019271482	13.3099604503
4.4021211284	1.4244943939
7.8249890643	9.3045940317

gene_expression_table

8.5381469882	3.4868461028
9.902957679	5.0291111785
0.8886501517	1.0157989374
46.6711620476	22.5514321618
250.1211969546	239.658797648
0.4279304551	0.3608747225
4.1677105111	0.8337052356
7.8630842661	1.6448885037
4.8575215998	7.3988499278
4.2541364192	3.9045597887
1.7086507602	2.4126849345
122.6439578149	69.8938552816
0	0
1.7991239472	1.9317904714
6.9536902479	2.8323737762
0	0
1.9414145166	0.6853392257
3.5911195064	2.7768710435
0	0.6077819936
15.3357141368	8.517498492
18.374471595	9.1289747958
0.297524943	1.0853033328
6.9274315768	11.6838374943
0	0
2952.764177115	2526.4357874112
52.0135280556	30.3175095341
1682.9440325623	1418.092400538
114.0529109438	47.8109429711
23.058375378	2.9393877061
7.3222993284	4.4094444104
0	0.151475856
21.3322001303	16.5670677063
4.6276609946	4.100045224
718.039637034	274.3166592101
7.1910841347	2.6795556602
0.8456964351	2.4878292563
1.384261203	1.4985524102
9.0399546035	3.191196643
1.1367385831	0.8694408071
1.2193695815	0.9246702886
0.1932735265	0.1364550722
1.6447605621	0.903182527
6.2473104422	4.5740895965
0	0.6224141588
18.1873908437	14.17101058
0.5950086627	0.3325699158
49.7265441681	26.2659550125
0	0.037643908
2.5205628236	0.8341729827

gene_expression_table

97.9406758079	62.7122606317
0.2999354353	0.0705868555
21.6085988936	14.302606721
0.1584081192	0.6710362791
0.2285178452	0.0806691419
14.4892315568	19.891072708
54.7603652939	30.9077095659
1.7244698359	2.7901295102
24.6310780565	7.3148606574
0.4972554897	1.4628023768
33.2041926083	14.554096953
69.2933171354	52.9993777523
19.9417034584	4.0673393176
1.9691094455	1.1585263658
0.0856202819	0.1914239688
5.0838119298	1.0842602922
2.1918201726	1.5474699783
8.6410481569	4.2705300095
40.5481661281	15.4149889384
28.6046726504	18.091788951
7.9849211892	3.7061461356
2.1130564201	2.3206729066
1.7000827041	0.9502321515
0	0
13.5154278407	8.0389507199
0.5272606257	1.3773502029
0.9562137136	1.3502129719
6.4004950343	3.9711375992
9.0620586626	2.9704996309
7.8358064914	7.4787689317
0	0
13.0565892223	8.5780655314
40.4894646421	22.8189621527
1.538826535	3.3800451458
0	5.4763060438
17.1812291024	18.5522235198
0.9547295577	2.846025375
1.8792998248	0
0.3171559413	0.510036804
3.0713350442	3.0719361382
2.0456060229	3.0088328977
6.4523673115	10.1956509312
0	0
4.485369358	3.782522144
13.5107248413	16.6046626096
6.5218074427	2.6007066259
0	0
0.2465458641	0.3578032268
7.944435806	11.9189859291

gene_expression_table

0.376629119	0.3545438395
0	0
2.5591456646	3.6996571514
1.7015297104	3.6706842948
0	0
0	0
0	0
2.3946518089	1.261295933
9.0413644215	5.2181669094
0.166397645	0.0293700372
0	1.2638879213
13.6507777819	6.8952857747
13.2739225181	6.5601630067
6.9764765697	2.4627677445
0	0
0.4805022651	1.1308148345
0.7231809033	0.5105805443
25.7566414102	22.4061690314
0.5212539896	0.214676002
0	0
0.5094600891	2.0082650783
22.8426005887	14.1232152847
0.3476409707	0.1636277684
0.1573139597	0.1758558946
2.8548731243	1.8236371507
12.219862754	12.1195462959
59.0071453375	20.2225818066
2.7139511724	2.767707466
1.365423592	0.0803347541
22.8446777553	9.925422064
16.3774971797	7.0661853645
8.1412310309	8.3344202266
33.5747985277	42.5004854442
0	0
2.6232221124	3.5497598019
0.1790704946	0.3740145113
2.2499522759	10.3253308279
20.9326115615	27.5050873793
3.77165722	3.173250227
0	0.129831506
0.4816799765	0.0188931077
209.3825486368	145.8273111986
3.6227282568	6.7495400026
1.1197180218	0.6587865664
345.7178143175	314.3504319032
31.3282237713	37.5477138776
0	0
6.6923921727	2.6249811558
0	0

gene_expression_table

0	0.2070714885
19.9111117209	8.460624545
6.9070733656	4.4024277953
0.2227827041	0.1572891565
1.207930268	1.7165807031
0.2296137004	0.145900782
0	0
3.7820862998	1.5894228974
0.6690499965	8.7780793489
11.6744129555	7.1217011145
2.6576444432	3.7005820531
1.4942271784	2.3443444942
1.5807984985	1.8105235311
0	0.160409857
125.2825938285	42.3832882237
0	0
0	0
0.9850565857	0.3090978422
36.5585321567	28.3921805433
4.1136374005	2.2992472708
0.5745455656	1.4197433199
2.5386224239	2.9871991296
8.4094169269	5.5661444618
0	4.1410526761
0.967742005	0.6832456961
0.98258568	0.1541612522
0.7202161635	14.1528986651
1.4938678195	0.9765752849
1.0863975769	7.0310071561
0	0.4152585009
81.3767645973	297.1799179473
188.1271615818	163.5673814246
0.1692948698	0.0597628245
2.2355069811	1.1837353206
23.4901793138	16.6737124258
2.6118531266	2.8582338756
2.4533248823	2.1170082568
8.8414878977	5.4099688265
0	0
0	0.489549096
31.8080564235	30.2831129762
17.8240546929	9.5080229634
0	0
5.5875741481	7.4852743826
32.9359367748	38.4034194039
27.9503038734	123.6631887611
14.6982507211	7.5111642158
67.6904630349	35.3800513359
30.8317486796	31.1156006546

gene_expression_table

30.0016923703	48.1003599913
0.3945522436	0.8356859191
0	0.4752059581
0.3943965652	0.2784520609
9.5714908856	9.3735405918
0	0.0697035259
5.4876728945	4.950634452
0	2.5767201709
0	0
92.9749343182	92.9931305348
0	9.1507265625
0	0
9.128408171	3.4611195598
0	0
0.4971851267	0.4095267081
0.4207638064	2.1289864284
3.6084100641	8.0674363673
5.473942054	9.0176690712
0	0
1.2080667707	0.4975366129
1.2481327971	4.5529046098
36.6632012898	40.2001455597
7.8505908984	8.7245859393
1.6281318887	1.7242417398
774.7784338216	162.2890191574
9.3031415813	13.3970605784
0	0
0.2886566354	0.1698312522
0	0
0.2008063504	0.4536748809
0.1010111131	0.0356579584
9.2867296233	6.1592505089
6.2020090818	6.7505660787
0	0
0.9558550467	1.6496413018
3.9894385008	0.4694375621
0	0.2147444242
0	0
4.1027800718	2.5894267254
0.1082381545	0.0254727854
0.7178084874	1.7315239875
1.5861279318	2.1758272168
0.1209359557	0.6261439368
1.7210143692	4.7590297623
85.348572217	66.3402061033
2.6718523519	0.7859927243
162.5661745607	63.6296780348
10.7869216037	18.3800939434
1.1041159783	2.1023647887

gene_expression_table

1.9084719626	2.4906860698
12.6621417179	0.8514030143
2.4947814988	3.3682279045
6.5540023696	5.7840750529
0	0
0.4402715717	0.5180679267
4.6962578375	4.8506794614
2.814101949	6.7173224092
519.9051406718	201.925013741
11.4358993148	4.6829080367
0.1080197433	0.0508427689
0.5514387491	1.3237120121
0	0.1519482059
0	3.033067776
0.7556988949	0.8892315218
114.137113905	78.0649192406
36.1888391349	34.0667498245
105.2501355091	26.9234614111
24.4176679939	15.5975290487
7.2814779055	3.6176511489
0.8708228696	2.1156999863
448.2566002123	609.5138589726
2.7190001076	3.4660705094
6.4708301445	2.076608521
25.5189199406	15.9899815891
15.3357427722	15.6041203419
0	0
304.5762841539	350.9800958816
0.3666117791	0.0215696194
12.4712147485	7.6635530537
4.0381789765	2.2808297181
0.2801310444	1.4009293456
0	0.4746306723
0	0
115.1588128723	56.5393242874
1.8834208955	1.8283839281
9.7276765458	1.3354325983
0	0.0233664781
31.0434403268	16.4731028763
8.0227908266	4.8820481898
0	0.0666022304
4.7923808479	4.2550316349
10.26756464	8.9858773508
1.0375753073	0.7813860685
0	0.1195340264
1.3463660078	9.4528110448
0	0.1112709579
1.7895130978	2.5531873903
0	0

gene_expression_table

23.5142082147	13.9475297006
17.525928702	30.1976347678
3.6328301716	4.7556641606
1.2557240762	0.8126863639
0	0.271473861
0	2.8024100098
0	0
4.5016650569	5.5823422015
13.6640962314	23.1162153915
227.2663022443	61.6540514006
1.5882995067	1.361666018
0	0.4787215559
4.4944972707	6.2582697924
5.2818148543	7.6135170474
1.3845984164	0.7005809894
12.5833241726	7.4034040397
4.0634316249	3.7592037702
2.5954479247	1.8494064783
0	0.1636894427
34.4556017733	30.8972749292
5.7258785476	0
134.9793802204	41.4609094437
7.8298977336	9.4629780745
6.0352405053	22.7253521627
80.7035843123	5.4676228126
92.4486051573	47.1398854412
16.5276932863	13.6137053603
8.54561499	6.7561279561
33.5125331752	12.339096466
25.8742628928	25.2450295456
0.6709023876	0.3552531303
728.9248878451	338.4343803891
1.0880666052	0.2926466022
7.7286479312	7.2754451883
0	0.3932648278
755.3770369815	205.4097969906
30.7498876347	23.0023160469
4.6950534738	3.3148040099
0	0
0	0.1751352088
2.6636581803	0.6268657618
95.6509105235	68.5188065406
7.1741764997	3.6581391115
0	1.5516863764
13.8248528184	14.6409442879
0.9090448998	1.1766412834
204.4555966486	97.1242770514
2.3824247838	2.5230611123
2.5160914131	1.4803434352

gene_expression_table

17.0912089859	32.6695919424
2.6717600025	0
72.338973629	71.7451216557
55.5429723917	6.2936815329
16.1623976287	15.8485890074
0	0
0	0.0731999212
18.8414592134	5.8867192513
3.9883645507	3.2035589946
4.0901296572	1.4037505384
2.2429160521	3.3283763954
5.6763828915	16.4122510484
11.573691948	5.7600712017
0	0.0117880166
0	0.2469082177
0	0
2.1051323181	2.9294529609
0	1.5711708359
0.9751155565	10.6709994057
0.1659945807	0.5957441841
0	0.0252396991
81.0994488527	76.3438314411
2.4375338554	1.1726073223
42.5324844188	46.1733253478
0	2.3319388963
0	0.3848291675
2.0284996604	2.4665018221
0	0
3.9224316432	3.8655051987
1.8829621064	3.0069984734
0	0
0	0
6.926402329	3.2392231518
0	0.1188381894
0	4.3130175314
1.3410714849	11.519691548
0	0
103.214591646	72.7074925295
71.6715830452	37.5845269621
1.7432066335	9.3536211293
0	0
0.0695975557	0.0163791004
1.0187980938	0.4141380148
58.523995586	40.1713868261
0	1.9619978868
7.2322462331	3.7641225849
171.9757485993	113.9397345043
0.7152778354	0.589167619
1911.1010608715	735.9690164358

gene_expression_table

0	0
11.628860331	8.4838876007
8.7818688179	11.5259745819
3.9724900846	4.9081540256
3.0662452114	1.5033555438
89.2871278134	71.489361932
0.3525712236	0.2281789695
0.9215949201	0.5027865198
0.1838019022	0.4217457116
1.2863258055	0.2162315216
9.7821070053	7.5157535177
0.2519207417	0.0889306043
0	0
0	0.1274638762
0.1049145481	0.0493812146
5.1408004517	3.2710403406
2299.3974269803	1978.1406670058
4.6022481777	17.1128829256
4.1781353325	6.3157027837
5.791660369	1.3251489224
13.7543345894	2.1579649355
14.6152807931	11.6338147673
208.8782567437	79.6689607803
0	3.5844192162
0.7920990326	0.9320635942
31.7403148222	40.2974488166
6.3435005574	8.5094187496
27.1016620125	11.3211446677
43.9600548181	86.9027599025
11.4629653279	10.8582271162
99.9437611277	42.8414233801
9.8917155099	5.9167915399
20.0619896139	17.6749546365
12.9143536357	9.5853778422
245.0903348525	138.5564314097
0.4827468736	2.15858487
0	0
30.9444997567	35.8055451017
0	0
1.4169849023	5.6690488874
55.8521390117	14.2396060502
36.3628603141	5.7050944197
0	0.2337536545
2.6868043237	1.264625958
2.5169470902	1.8263778103
7.6173515828	6.453607665
52.9583697129	19.863275343
40.7621169634	23.6532382498
34.0004354651	13.7806507378

gene_expression_table

23.2619200699	23.3006880843
11.951045206	19.2191666836
9.9825755063	9.5650111722
27.5838146795	20.370128968
1.1688018607	0.641820726
1.0852180805	2.0431632368
32.5368243259	24.6466822825
4.1398543483	5.358507082
0	0
0.5285932355	0.248798441
0	0.1684848332
0	0
3.1149628415	3.8028311079
15.3048644117	15.956192625
1.2076666436	3.4389708863
0	0.6888426069
9.323699848	7.7087153802
0	1.9575876376
59.4668551837	27.4345245466
41.9668890808	17.2838657198
0.3988532765	1.736524641
12.7295294505	9.1537404152
0.8493408532	1.1618258574
1.4210137824	1.6860423406
4.8281460088	2.3599177396
48.4250921267	40.64705044
0	0
3.9481038055	6.5040318704
0	0
88.2412789865	7.9871989841
3.193528626	3.8517735006
6.0103693641	8.4868879899
16.9721944394	14.8021801151
0.3597126016	1.2063312398
0	0.2199715164
1.7008009099	0.8405602184
3.1707788391	6.8402732057
2.9373521961	0.3456384786
20.6406836828	37.4727750501
12.321895918	9.666123489
587.0502651664	1187.1403201832
0	0
463.2972268779	212.8229491973
25.8059588826	11.9214248174
12.570970044	7.0126321616
0.1190928537	0.0700683303
4.1037129178	2.5038442193
2.1162937407	3.441065286
66.8289854183	32.2503021462

gene_expression_table

4.0187124769	3.0624754157
1.6930080247	0.4980409897
3831.3747114807	3288.0858848344
22.6756289382	41.5108648038
0	0
0	0.063902081
0	0.2678235146
0	0
0	0
8.094597664	2.6193529566
0	2.3354558892
0	0.070567141
0	0.0515952068
70.9906049455	28.6836032563
34.3784044174	25.2170241637
1.1134027369	1.3255553664
0	0
0	0
694.3339158577	245.292255926
0	0.2872570522
8.7450004612	13.675199804
1025.8523437986	824.3224808671
4.003350502	8.440086376
43.2493788397	25.3709495694
2.8241102879	5.0490181091
0.0657452842	0.2552963518
6.3513472491	6.4545034905
3.2222089406	2.3240956321
1.4262664057	0.7132727709
0	0
3.9520110633	6.2198226932
9.5711166338	10.669586162
0	1.2319887476
12.2216669086	9.9090290317
12.4876819446	3.0822118486
5.9563679257	2.0325703049
0.1480354223	0.0174193405
0	0
6.5111390885	7.4149312975
0	0
45.6063503547	20.9854298804
2.3856722804	1.0527084629
16.1604388114	10.0867488164
9.1538114029	8.8189998565
18.0777846436	9.315732164
1.6459980493	2.743866982
0.1867477131	0.0659238571
0.7842590495	0.7792856583
49.1704261043	20.5043755583

gene_expression_table

0.6015654871	1.0617939177
0.2774544346	0.1305923461
0	0
232.3406347665	183.2761884759
18.6188568552	21.4448728591
201.8009159915	90.4606882459
0	3.1587877401
22.121589213	15.7889872727
1.8968237238	0
0.4271626901	0.1759249431
0	0
0	0.1721259216
1.042519696	1.3902983047
2.8288293317	4.5443798001
0	0.0562785061
1.5924003706	0.999348719
1.8597492179	2.1008337219
1.9160576989	2.4496214384
0	0.2610126837
50.7765119909	44.7085579886
0	0.0202129382
0	0
0	0.0952581761
0	0.0431220593
4.9943053072	5.5829630709
4.04780079	4.8382566372
44.7552793166	20.1191312369
1.2316436074	1.1801247942
80.3547782244	81.4527437909
0.3262898068	0.1247822838
1.0918517498	0.95441013
58.5300598452	20.1947797888
67.4070568427	29.6319851956
61.9154582011	23.1976988866
7.4635834608	6.3767896457
0	0.1411594226
2.7862051209	3.0490328036
0	0
0.2127794243	0.5558385531
8.4529919675	4.0551697238
23.8389915351	15.9331732069
496.5697669733	173.6711234359
5.6802898765	7.4977064219
8.5594710634	15.10790514
0	0
2.1441074113	4.9450270493
7.6238125683	16.506541792
0.8575592352	0.9586361359
0.1385938975	0.4892506654

gene_expression_table

133.3368920518	85.2335786867
23.1139942166	32.139272895
263.9457758896	283.4581521636
0	0
1.3171859321	1.9195333837
432.8988821382	381.2183156818
3.1492332012	2.2571114356
1.8835210246	2.8913172709
36.9076396067	19.3983985106
0	0
23.4362232651	26.5925155367
11.0977259369	6.8775837868
1.6517310283	1.1175661375
73.2055890218	52.1069068868
26.1072214066	10.4287637248
0	0
2.7811527809	0.9817754411
24.6580168951	27.4952700575
15.5837106323	18.4596144384
4.7922271002	11.8853140971
0	0
0	0.0546715926
8.7313731822	6.0436553688
28.2603632328	15.7243881444
10.0981244173	12.3717496846
3.5071597847	2.430272513
4.0631633219	4.2005621756
47.1693163535	56.4124241285
0	0.0190319958
11.8872349405	7.4974175435
7.4596001305	2.3699837826
0.9231141135	0.8038095706
157.5745550034	89.9733782959
1457.8204585782	2210.7559198818
2.1760736998	0.6657528131
72.8924887845	26.5895222826
0.9703051578	1.2559347798
1.939975299	7.1995071416
33.3162454922	12.3448544317
0.1564555351	0.3405875141
138.9367588748	243.372693752
1.3881107922	3.765396395
0	4.132238516
5.0674813421	4.3065457745
21.3243075209	20.5166702297
20.3857484222	9.1953721011
41.7244512995	33.4868059851
0.1432743186	0.2191683138
0.1845434848	0.369159204

gene_expression_table

72.0327624679	55.6847660119
0	0
0	0.0179529421
1.5576871692	0.4480499943
0	0.0184119992
25.4408110822	9.7791664023
14008.0278920517	18686.3089849884
24.6637770964	34.4181442796
2.6436169765	1.3357910615
0	0.2999677536
0	0
0	0.2050086144
1.678488226	1.7503281875
0.9131242621	2.4559407612
0	0.0772639581
0	0
190.3078191027	165.963316214
5.5398490487	9.9229785143
1.6350194679	0.8978334286
33.9247775564	39.78166132
9.6381525578	10.4096217836
0	0
3.325625471	3.2175744915
19.075075824	15.5716750138
0.6098761333	0.7355828001
0	0
0.1653702793	0.0778365384
16.8477014886	7.3413358607
1.265004425	2.4560774122
6.7776729848	3.7882643985
6.9086112455	12.0229083442
0	0
0	0.2079710582
0	0.0169992491
3.915715695	1.1979827428
6.3518406843	11.2113243695
0.6786003019	1.7567209944
7.3094017896	13.1164932797
2.0656285226	3.5070472549
60.4995817866	7.1189908494
22.8588125125	32.6003563703
0	0
130.7204516215	180.4167101311
21.5082537348	57.826728003
16.364848183	41.1608340408
34.2882187687	62.4033224251
409.6260848523	216.3310062573
115.9656071036	78.9500212659
6.6994168515	12.3503614137

gene_expression_table

2.1092381683	3.1644764541
30.0483422321	26.0764582111
0	0.1948715015
126.3651384272	78.0643311455
0	4.3536303473
10.4952968179	14.4669373236
4.4712208554	3.840741204
4.1347243258	2.0474945452
16.3908737049	10.6882982844
3774.5046842021	2507.0405830257
6.0258310253	4.7270669385
14.7206288618	8.5427851272
16.0777157256	10.0674306066
2.2680317466	0.5871348677
0.3997277919	0.1254293405
34.3117781176	38.7262635956
0	1.5810572229
0.242743442	0.8813923548
55.9839788248	24.642651355
4.9671287288	4.1445119395
81.6682570658	36.0998382309
1.0289601526	1.1609226963
3.7907491417	5.7048440929
0	0
5.372942825	16.6580081207
0.7060333966	1.9108172032
23.6812858816	10.1817305615
0	0.0676369884
5.3525482213	4.5348105378
181.60241392	102.9856187968
18.0175023433	20.1591167015
0	0.6102530831
453.7479469482	130.2572088413
7.7948934849	1.528709614
2.736841821	0.4025555075
0	0.0703902043
0.7395369522	0.3915961876
274.8635055413	411.1687728147
25.6572034365	16.6536639335
0.2952002276	0.0347362355
0	0
19.889927135	27.6674552853
0.6362296733	0.4491911933
15.1034311044	11.0018504848
0	0
36.3085669448	19.0401865748
469.5720845952	336.3322654826
23.2900287889	11.8852876833
41.8708692615	34.893595505

gene_expression_table

0	0.0587318313
31.4011429028	24.1681535384
0.3364352385	0.3299030221
133.9819122468	75.128209566
272.3592671963	108.8159653931
0	0.0913822356
3.2662370714	3.336756017
0	18.7554937771
0.4638815166	1.6921342825
17.7048466313	8.3333231362
1.3121949004	1.7327793837
0	0.308444484
0	0
1.9276648477	14.2901944837
2703.9499583823	3321.9524567953
0	0.0447347252
2.5848182957	3.3457136357
7.2423790796	9.4595460082
0.9064730564	0.4723725102
79.607992165	59.0151183107
8.051345762	5.8738956815
4.9325163213	1.6519350385
4.5972605435	2.404266812
0.6084583526	0.477315635
0	0
0	0
0	0
0	3.554536605
0	0.0770649524
0.7391126787	1.3045717609
3.4006141565	3.4012796941
13.5359608438	4.7783329342
155.3532939263	97.2780295913
46.9489338329	91.4932247864
7.3456896895	10.8831779043
0	0.0249077775
0	1.7058286141
0	0
1.5198128855	1.8870335126
3.2539791931	0.7657920077
0.5840555328	0.2749034536
70.7155031979	25.2502319835
44.9921173894	17.4197120676
0.5646575531	0.3322165075
38.3969583972	5.2575107565
1.8643422988	0.7678205998
0	0
0	0.1239753326
10.4550429962	27.5267494144

gene_expression_table

6.4297127573	4.5195989005
3.9611446108	2.3616149696
48.0743412747	47.4688682387
2.211206602	4.2498168083
1.100597437	0.1942610887
0	0.3021265596
0	1.720087406
0	0.1674581108
0	15.7585277255
0	6.6406711954
39.3489300347	64.5190672997
2.1207123816	7.7002273029
0	0
1.4366130664	3.437276387
89.4620363047	190.2205375419
0.4319268702	2.1854694505
213.4218469939	224.2264873898
0	1.1622568621
106.2290797877	38.5416195048
0	0.5992504087
8.8146073796	9.1554222065
41.6757767574	8.9217206349
2.1661086765	2.6647192502
37.6955917699	51.0863761325
17.0172949085	23.6286328806
16.1293343316	11.9458584021
8.8153454872	24.8952585804
269.0504372004	260.1559316573
63.24493123	76.0741493353
33.7681556197	33.8542344528
1.5966983474	4.9789161444
0.4789968397	0.1465453553
1.5157783516	1.7907521248
0	0
0	1.1264836905
2.8755626012	5.3248389396
0	0
0.0764525717	0.5937479135
6.7399693422	15.3859994717
1.161966005	1.2809314414
0.415972622	0.7505288427
1.7913036891	1.7916542669
6.3294415955	7.8202521808
0.1040404649	0.1346669523
0	0.0157271388
3.4905485155	3.4227761316
2.3589892698	2.405714694
0	0.0615664153
0.2545740062	0.5092476583

gene_expression_table

17.7501483646	24.8550711692
166.5934491211	57.4335415881
103.8290980364	81.560592615
35.8328222266	18.1541648401
4.0911831746	3.6587149844
0	4.7168181121
182.9673769427	73.4746683827
201.2480093522	62.7543057493
0	0.12428024
133.4558186325	115.5899515795
2.9225815869	2.9231535682
7.631866554	5.5005095517
1.223865744	4.6804024953
0	0.2975213333
0	0
3.1358998197	5.0653855189
72.7865917064	24.9806793087
20.7515061455	8.3429241684
62.8057303186	85.841822042
7.2718118901	10.6959339171
0.7980194953	1.0094574732
10.7992176988	3.4733692565
0	6.3645297303
1.3638817205	0.9629284568
4.3571300669	6.2094134087
0	0
249.0314445624	144.1734704878
78.7459527086	32.2595565611
14.6471637363	30.2849366841
85.6485033892	60.096330216
0	16.5791080065
167.2202115331	104.3726776507
0	28.6186423148
0	1.8824135354
0	6.9962612624
8.6213875075	2.5361984729
213.3867781702	48.6491525702
0	0
48.1230454238	25.0774180271
5.136852764	4.4326618924
45.3368682652	10.669586162
20.4430763758	20.2065234598
0	2.1607844645
1.0569758301	0.319819974
0	2.0912339816
0	0
0	0
977.5611338201	1370.6696930169
83.2873999524	51.2931874491

gene_expression_table

330.2764164117	137.3182425273
59.056090407	25.8110732211
2.9992961642	0.7499707899
676.4608170554	107.5664877381
0	2.4760949375
12.8182807761	26.5465758117
15.8067166027	1.8599776648
0.7602069235	0.4472680614
0	0
2.1380752136	2.5518159621
33.2962869398	14.9074241857
1.8078902407	2.73009398
0	6.3562698834
918.0446602396	354.6866536058
0	0.6510035931
65.5746185885	51.6983447243
89.3954957478	32.6457169517
9.6111605262	9.0475685044
13.3952218794	6.304867516
0	0
0	0.2281713376
427.6589786566	100.1960260471
0	0
306.3694161885	270.8410473086
6525.4521516891	9328.4792605672
5.7789593595	3.0600478405
0	0
10.7330408764	14.5240149036
147.6754419982	42.0410845461
0	0
40.7697048482	20.882689347
0	1.4449457272
2.8665186304	1.9756347096
17.2712843847	18.7988996736
104.8034242525	50.9374622316
25.5281903541	18.0234257658
402.1007101146	45.1966320652
14.1920490316	5.00993879
7.8556260561	2.7731165253
34.5969004313	33.7313099605
73.2719308156	39.9878435746
2.3832450136	1.1918557204
8.0951426161	10.1379185861
43.8024399502	7.9656386489
9.4636827121	3.7862139435
460.9649453981	375.8430688736
8.7332068411	2.6718566667
84.3879480264	16.5498948383
2.6664350788	2.893561113

gene_expression_table

28.400676935	15.9383401457
2.3758101915	0.5591235679
92.148420086	134.2877753999
190.5219659504	158.4772693899
0	0.2885181185
0	1.0761739474
0	0
2.3435411227	1.6545880796
0.9825523743	2.5435744416
51.0012574564	16.3672424481
95.5999156794	61.0673575475
12.4692477081	2.6410633575
9.4267512673	2.2184932203
223.8398466955	12.0721578468
34.7777566252	90.0306336842
5.1878765364	1.220915732
0	0
103.3833796807	38.343260794
475.8334629287	314.7622590258
2.4938495416	0.8803544525
2.1045292783	0.2476401362
6.945884587	4.0866141018
0	0.1542606031
0	6.3654280196
2.9138781812	4.1145154719
14.2788974238	3.1019059463
1.0179004529	1.0779878829
9.4555792529	4.172395506
1.7384706817	1.8410939148
4.0117998958	2.6750566994
0.4443820015	1.7255854204
4.3370295966	3.0620318124
0.6353093595	1.1961104876
15.4546965521	15.1405313045
0	0.8781077831
2.110322094	1.4168948471
0.5935183907	1.1453654824
8.55351759	3.4508335896
3.8903329907	3.5706513057
22.5879267465	14.5163499466
0	0
5.8822807091	1.8579258746
20.5908663987	10.3525146963
29.0321279812	9.1616619432
19.5140176581	5.1664862027
6.1804328518	5.9796279719
4.6945212151	0.957501487
15.9867969044	7.5246709159
1.2972825715	2.9919664345

gene_expression_table

269.3506473842	110.1761649605
1.5309633541	0.9607924583
1.818038487	3.2089311126
0	0
0	0
67.7611691533	17.0859909476
11.3711547221	5.2492523917
24.8745738173	21.1888854244
0	0
8.4963025272	10.2475464478
0	0
0	0
50.0162244644	8.0714239767
0	0
0.7443223086	1.6203126638
0.3513958686	0.888998797
86.0968979662	69.075198991
3.0004603743	5.6048977186
26.4542643368	32.9681814033
16.682773167	17.6992321376
24.5221798918	12.6642572092
2.1783169827	1.3515199101
7.7602379206	4.3483230725
0	0
6.6413456882	6.772893423
0	0.1225763944
0	1.3277691492
83.5032404888	52.3507511514
0.5690902083	0.5452855525
0	0.1567488489
0	10.3010443977
54.986898793	85.5519160743
0.381886163	0.2696194605
20.2717258744	20.8015018914
21.6181673512	7.2074660881
0.6058038558	1.3544148173
4.1404752422	3.9951225583
100.0135485235	79.7649733167
39.4181347421	25.768528957
0.2263785832	0.1978821878
1.4752912511	0.568137747
0	0.007922
1.79983609	1.9766773904
0.1974904969	0.3137227643
0.9931667556	1.2738395658
10.6104651063	7.4287791836
0	0.1028194769
4.9573116393	4.8853659303
0	3.3804417417

gene_expression_table

6.9176408554	12.6100920605
5.3011576502	37.55201738
34.9169460302	13.5188824491
0	0.63714081
0	0.1846965534
4.7522046227	6.0113173911
5.5820545013	3.5578877755
0.1255691438	0.1625330482
17.6975117552	27.1712450793
0.7989680554	0.6933579546
0	0
0	1.2015264461
0.8912438361	0.7032642346
1.1334881869	1.2003988479
79.6626867662	101.4205527344
0	0.2192257424
1437.5795682691	1398.2669768904
142.8324178241	104.7037064433
3.0203756169	2.7123230771
1.5458635388	1.4552151353
0	5.0210734333
0	0.0226261983
0.4363497623	0.1797085956
29.2900817992	26.4607353976
3.9235598467	11.5421403836
1.856258097	1.8098158059
32.4951069414	18.9273246618
0	0.1120869283
0	0.1679745559
0	0
0	0
44.5577013362	19.613109362
0	0.2742348711
4.411896069	4.6723336152
1.7876817852	2.7872258139
2.1266936763	1.1511418248
5.3297301401	4.1212700578
2.6034902234	6.8418817093
0	0
0	0
22.1302502243	9.5482507817
0.1795788583	0.3169658891
43.5798923674	83.7581431425
0	0
1.0101850548	2.288219778
0	0.0349640289
0	0
3.5143740631	4.190505125
5.632869815	2.7115374367

gene_expression_table

7.4113813918	5.6289953318
2.5207409146	8.898473828
0	0.3199149621
0.7565240748	2.5148220954
1.3191767517	1.0089796516
0	1.7924810753
9.0547245577	19.3721853835
8.1970591146	2.9579491371
10.3163628259	13.0834384261
156.4355772397	87.1400906325
2.0237553773	3.5124981018
7.1613266993	6.6711684678
38.3297104394	70.0070827552
4.6725323337	7.3486329816
26.1326983926	29.998692394
1.7896021724	2.3164090105
0	0.0576816678
0.602533001	3.6868056489
2.6144876341	2.6662738145
0.8806835938	0.725410785
0	0
2.0526677039	2.1738382237
7.497598687	11.6248497929
6.0495283123	6.8515418368
0	1.504300641
1.5145198133	2.7495823852
0.251796009	0.2370308595
0	0.041197683
3.222417892	4.0313053128
0	1.0468926618
0	0
56.4519089472	30.1260517322
12.0544811528	25.1775195486
22.3563629084	38.4078563644
0	0
0	7.4393311367
3.0612799817	3.7222844057
0	2.2133108339
82.6673715305	114.3294318588
0	0
9.012496177	8.9660554225
0	3.7684498062
12.2567696182	24.3580862381
91.2611968249	122.3682936901
7.6980242297	11.5287092457
4.4558081849	1.3981741916
5.576886181	1.6405816585
5.0768002359	27.1811316329
21.2374608357	16.3170900599

gene_expression_table

9.6595221924	4.5465471374
29.1916013566	78.6228337464
0.2903327789	1.7765010838
0.859454752	4.3486808398
40.0597846145	17.1583710714
140.3401604796	122.2024043267
36.3248874023	26.867358817
18.9645143259	6.2483567637
130.4004822705	131.7799062242
39.1831205744	78.5433565669
21.731616641	51.1432229583
26.3406802945	23.7112519096
258.2722340147	195.3063238388
0	2.2375946379
144.4216067114	88.2247025586
1.3980206972	2.6320833981
47.0095441266	105.1007228012
2.7203716485	23.2877376483
0	8.4294910091
3.8820490354	3.9970090537
29.8033458829	66.8385737507
3.1133945703	3.9077695948
20.4712289174	41.5526835286
30.2486279318	3.5593585789
4.3507266501	12.2868088521
0	3.322068007
168.3717532055	429.1794245346
32.8863477525	32.1672078551
0	1.8556843078
0	33.2091894426
8.8362323265	7.2783213788
25.1926215292	38.2903976503
978.6887432748	249.9866433982
308.7483530552	153.5786973295
51.8926962891	40.3010382255
0	19.6107495559
2.6419002834	1.2434905093
67.2753354153	45.0239240908
17.6241131765	10.5419735976
10.9520204579	0.9665438725
0	6.2656681136
11.5255733025	4.2772940121
8.6410481569	2.6436614345
313.2114130761	85.1615139396
517.8498197264	311.4477615278
2.6774182703	7.7412784961
25.4061480911	48.6480272009
20.987011401	3.4573607418
0	7.9822924117

gene_expression_table

7.0761040271	11.6570405386
5.0338213332	7.996457394
14.810198057	9.294491969
13.4691340638	27.7359973087
13.7282785447	18.3079537596
0	34.7168786379
4.7146405372	1.5533620099
7.7206712337	5.4509521793
6.0024351912	6.1801866965
15.3007443373	14.4035189282
4.5034583346	5.0637021587
0	7.9437257239
4.4711247954	3.0063864496
0	0.5878132482
23.283844807	5.8331480567
19.8034228161	98.2597360116
9.646228166	4.7024431114
0	1.147303507
49.1726211146	90.0067223946
4.3014186299	3.3743219332
3.9681396505	10.2724891411
0	2.4073939588
125.4859746626	216.5671953126
12.3903655256	25.7575644778
12.6674115719	21.033674796
0	0.4071905364
199.1605895507	63.9678966191
643.6623735212	470.2913493872
0.7949773784	0.5300886428
0.6935414907	1.5505726193
0	0.1366149325
54.3137720575	4.0903079047
0	6.6581543857
16.4247062514	57.4286977371
0	2.2805571636
1.1993818461	1.834707708
3.0609105464	3.2930523431
6.6719340908	7.5073948443
25.9692610264	29.1756631428
57.4289453136	34.3081646706
2.6548756832	2.7334951325
13.5922188336	24.6210285988
16.8472424982	10.6554883326
2.4733420917	0.9822545015
1.7001990389	1.2892920734
1.2058279628	1.2864682204
0	0.328511348
2.4637134162	1.8843848645
2.6379033236	2.2245498506

gene_expression_table

3.7844670001	3.021804436
6.5050374815	2.4877069898
16.8453048144	1.9821884266
3.7527149341	1.6283346582
3.7587563057	3.4751606128
13.26917002	17.3090607518
0	0.5858387269
7.7022080901	11.7821531129
0.9785472364	0.4605829406
3.8707741809	2.6569335429
0.8509646591	1.1431860265
13.277114461	1.1717393769
0.6753513113	2.026450455
8.663257665	12.4027760914
0.553741502	0.5864292797
0.4707577276	0.9250814898
66.7716905202	291.3648776557
86.7535718687	59.8886936758
35.2750351653	16.6032653541
2.7743650991	3.2645977328
4.4785260946	3.7767512045
29.3032253596	25.9358063216
3.6184886354	1.6676691199
68.7252348855	45.9622779464
12.6277014786	2.6221812163
3.4998905478	6.0859678886
4831.2100245107	3003.4756255507
751.5215593683	380.5717275962
212.9850121019	299.0727726599
798.5471114894	1071.2022016083
212.6068105749	67.1521326519
15.1440677849	13.6620285429
39.3314248943	38.5677671435
0	0.1037293838
3.7013675729	2.4922579937
3.4867277891	5.6619129981
12.0147331634	8.886583554
1.0697984997	1.8462880911
36.3334243912	24.5833032517
0	0
0	0
15.9709422298	8.5743158681
9.7663620451	13.1338130144
76.3012574568	44.4065591498
3.9938357877	5.1695049033
0	0.9573450344
0.3956440934	0.0465554736
0	0
0.912108373	2.2538852394

gene_expression_table

6.2818742772	9.1870592049
0.18433225	0.0650711738
0	0.0512284837
9.6239243516	4.1523092727
13.161669155	5.4721959767
0	0.5328917207
42.805480883	35.5462958701
14.8985337737	21.5463085016
0	0.0522904673
0	0.45325006
16.8640885155	6.9453954718
0.7467238586	0.5711358828
57.3437391633	46.3338124096
5.2732393096	4.5710351618
1.9650048399	1.0405002774
36.9079107172	15.4509045027
0	0.1003333723
0.9113341239	2.7345374461
81.6641694489	77.3724766641
13.646415134	9.8130682851
2.1890394311	0
0.1961315345	1.2693347741
65.6225276019	28.5472913352
8.7454021649	9.2616498383
0.3993395623	0
34.3858364734	18.8552186239
28.8834602119	24.4282941
0	0
285.5084016174	238.0502222854
12.6981958778	13.6612367643
0	3.9194867293
0	0
9.4055151217	2.6561946026
1.9992592694	1.1174517759
0	35.309868801
23.6286254474	10.7243318552
4.6154382847	1.086198018
3.6872429113	11.2808327266
0	7.5988489583
0	0
85.8373116585	40.7386173593
7.8876898359	2.3203628069
0	1.2554462487
0	0
160.5201300253	122.7747113251
57.5461213904	33.3556951863
0.7841918637	0.922759222
16.5438233867	13.8216628804
0	0.1830439951

gene_expression_table	
0	0.0779245601
0	0
3.5809121623	1.0534155842
0	1.8294091318
4.300381663	12.7771633173
0	0
5.0338868956	2.3101177791
0	0
29.2446127392	24.7767553959
21.1085091186	6.2096000841
46.0236996249	21.0607156066
0	7.9508935342
3.4479397115	2.2314564484
0.9247773026	2.1491677954
75.5157502901	61.249547074
7.008283115	6.0082754683
409.8587507538	206.1751851452
14.9596223084	9.2415750438
52.1293110894	54.0193060706
0	12.20096875
3.1848007413	4.1847727608
0	14.7915582228
227.9256624874	205.9395296623
0	6.9901683992
0	2.5245135174
1.4589189263	6.8668444837
230.9445038702	58.7336244805
0.3427605551	1.6536391909
9.6695379033	13.3061182103
25.139638478	29.8776519616
12.2939373357	13.4536463021
0	1.8553619538
20.5364931966	10.9842312375
1.6151478383	1.853032167
0	0.6038586501
0	2.7230442858
0	0.0549569942
0	0.0231438791
0	0.2070346394
48.4736791757	41.4829227872
0	0
10.0763457247	3.8066711106
0	1.5482282309
45.2704892487	39.2864941424
381.6044373791	67.9308240487
1.7563246476	2.4800024184
134.2002784586	24.0028641471
4.5130406581	1.0620997435
8.2519682458	10.9051869141

gene_expression_table

6.0288678012	7.1487443521
2.0896990338	2.1146975169
41.4071741735	13.1686098609
58.9396571805	52.7093013677
2.2613739263	1.4571927044
3.8645815615	4.638405483
0	0
15.2524389093	4.1503727002
272.8212719724	77.582012909
3.6446244392	8.5772652524
0	1.4510245115
13.0991196296	7.6212405957
3.8873852747	1.4485250097
1.4949207162	2.9904265772
0.4495612548	2.9623949854
7.1731556942	9.284724136
0	0
0	0
1.1894196014	0.2599240503
0	0.0265252993
22.074319188	8.3696802859
3.9556850637	0.7757763205
0	0
0	0
1.4533961818	0.399049584
5.3094198136	4.8560881083
6.8147192447	7.016525106
2.1840090523	6.3391490208
14.9341886384	24.0374524164
0	0.0641780185
7.1512941788	4.4478936022
1.9303220491	0.9085646279
2.9891477336	0
0	0
12.047905298	18.0753948083
0	0.2384726077
0	0.234549309
1.5417767557	1.9791381797
105.6224180259	54.7336368645
0	1.0619757388
0	0
4.4767595614	6.3498426956
12.3177432104	4.1483682598
3.9528531207	1.4729197649
0	0
1.0391840665	1.8545932864
2.7612338278	2.7414670681
0	3.2399122441
1.6822494101	0.5443636792

gene_expression_table

3.3174979246	3.8874371554
25.8282036521	10.2704232637
0	0
2.1271150356	2.6281269437
83.7951612958	89.1360600948
3.653779561	1.375809749
58.0790626068	44.7638014154
107.5150798778	69.8164799231
0.8097169675	0.7939955274
0	2.34482126
24.1064192594	33.2049570447
0	0
1.9546695087	4.8301286164
0	0
0.208306346	0.2798387705
0	0
0.4664568321	0.1427088376
11.7506308402	6.9134885693
9.440921506	2.3072829715
38.669855773	11.4746321512
0	0.5739654749
53.572222879	23.9546221997
0	0
0	0
0.5922596493	0.5226843186
1.2322989788	1.5438738252
2.0016352399	5.8759182007
0	0
49.9259341698	17.4182336075
348.6049586314	244.7846269372
12.461791598	5.1989838481
0	0.449709394
2.9478819462	1.3875100607
0	0.1331940577
7.34052138	5.6504284613
5.0287999561	7.5939878306
0	0
27.2357893836	33.774057942
0	0
0	1.9410079817
0.1987027926	0.1870509938
1.3610000773	2.0018624118
44.1702217437	74.4543835697
11.0853796975	22.7680155272
8.9406442547	6.1132423465
22.8125711457	21.2918328877
0.290502993	0.4443856493
0.610223984	0.7674170836
42.7200461978	32.7752015897

gene_expression_table

4.8792260444	23.0699463687
33.8534673371	12.2736107566
849.7005125803	655.860515857
1.6489474891	48.1198836635
0	16.7457366614
6.9402857495	3.7203582435
0	0
0	4.9761729895
1.187011262	1.571351788
69.1270114795	48.4435681725
2.4517403213	1.3900285364
3.4670087533	2.7615971139
0	0
3.9160727692	4.1472414929
0	0
1.50853923	0.7987947182
0	0
2.4227217574	0.7127046796
0.4635087869	0.1090822355
3.1379644223	2.1785427627
27.2669626832	10.2088820263
46.507770982	39.929516312
2.197752769	7.7582925649
46.7206771787	19.9288942196
19.4894174005	1.274067431
6.9132836663	5.0436173371
74.0415329427	227.7689467943
383.9891179254	237.9077583544
4.4695145588	5.8378024871
196.664146686	127.8871627382
0	0
0.7552896153	1.2220311429
1.6824691013	0
3.184713266	1.2945752821
0	0
4.7801224657	0.8437161156
5.7209216996	3.4577041294
0	0
5.086513895	7.2284069948
2397.9957095579	2856.3504520926
5.3982513426	2.5408507481
8.8982014407	2.3357316251
63.6685109932	23.6675268857
6.0793834363	3.3979673979
23.7771025507	19.3518210515
6.8564272124	0.4033981818
1.3888773967	1.1440052361
17.4438153435	9.9209735178
3.9085483335	2.0408914914

gene_expression_table

0	0.2533984604
0	0
42.9418170529	36.6941666043
12.4716618897	12.474102731
8.2297565894	5.3261788044
12.9737100431	9.2771373947
12.6388751459	6.6924787302
1.265791583	0.1489458015
0	0.9869988186
0.2222957921	0.3400483379
8.9054562664	0.5239528919
418.0621117973	235.2893803174
1.2184108816	0.8822800637
20.3946312078	11.5628556262
50.325104422	30.9546506084
17.6267924275	7.5064336472
13.2868952643	9.8275261992
0.9638110592	2.243031953
26.7816037787	17.5577641023
2.5630214634	2.3524094099
0	0
80.9149444036	55.3372857078
7.7487544429	2.8656464051
2.0326246509	2.4715174979
1.7320821097	1.4266997271
15.9502784784	11.0075924538
6.0428887257	2.0209278936
4.8587429009	1.7151860507
4.8936034687	2.303322918
24.2590098738	32.727859127
0	0
6.1273669741	1.6480177928
0	0.1457570381
2.3023120724	1.2642618526
25.275388768	21.1132471801
0.2131361336	0.1003189867
0	0.6841536069
546.8036190613	180.4726627605
8.4222445404	0.4955231098
1.2672130164	1.3792958201
0	2.3070228787
34.4188137107	20.1464756292
17.0818604253	5.7208373821
4.4360673273	4.6979317212
12.5745779993	3.4973584336
1.4111903095	2.0163807071
7.528506661	6.1519445037
68.6202071083	40.1683086775
0.1370342223	0.9110528047

gene_expression_table	
0	0
0	0
0	0.0478787963
0	1.0344154805
1.3773450767	0.5672530863
0.7234245535	1.2768814159
30.0541836673	21.2188698362
1163.1635539477	530.66966919
7.5038209027	8.9278606921
5.8532530417	5.7906251826
0	0
9.7837384052	8.1163358814
5.5889290852	2.8278939377
12.513594405	25.0320869059
11.9007045633	6.3296131944
0.2789060169	0.6399684396
2.6499609322	6.3923330533
4.6077348827	3.4790688565
7.9315561978	3.3365721004
3.9161629498	2.9743527957
2.8211445399	2.1024406552
42.1862981947	6.4808629487
0	0
0	0.2115897972
1.1728372943	5.2442987759
63.2047100508	54.7468175668
8.7720563314	10.3220860226
6.0390125306	3.1977499933
0	1.9773526529
0	0
483.1210024511	255.3382292192
0	0.350594442
1.1832500672	0.9746319407
0.5971644911	0.1405367912
0	0
0	0
69.971442093	58.3833222387
14.8196626519	57.9823788831
758.6081457505	643.3727103551
4.8615949932	9.7250929216
109.953223967	145.4887956899
3.8067251252	5.9351740467
0	8.1179563726
24.1148011206	11.8730767298
2.4137946663	2.7747684905
13.2866233808	4.9508872679
54.8837013248	64.411745422
221.3578106319	61.0146554501
13.7303919131	3.635226821

gene_expression_table

10.3203418414	5.6165791308
43.5146140465	11.2648102043
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0	0.2462352908
71.4570333458	29.2610757163
0	0.0431920899
1.2313325006	0.4708957446
387.5586063619	133.0638825046
11.3782619513	11.7821531129
0	2.9153276292
0	0
0	6.8436051629
392.5215513537	641.261910164
166.3544341295	101.1371909243
0	0.5618867188
0	0
0	0
0	1.1121399824
2.5628911638	35.5859228795
52.2100555271	81.8210704138
16.7914326908	34.8243437233
73.3472385949	14.72308796
536.8011138345	741.0658714604
161.9270776709	227.8310744559
24.4990366355	25.9452332113
0	0.6909618811
0	1.8007250165
802.6969263048	171.0147724376
165.7856479877	34.7751501612
1.4118088909	1.4951490325
10.3438191345	17.6487919103
0	0
0	0.2467399686
52.8723395295	65.3256724575
267.0098804566	734.4208773684
1.3445237666	4.4298862744
0	0
6.5441381978	3.0801971565
3.0853101458	5.9903035983
2.3297910422	4.1122006022
30.0353004169	28.5748382704
0	0.2574386449
29.129997133	28.1073794339
0	2.7347631398
785.1387184731	239.2687716503
0	23.3892570938
0	4.0751891591
80.4143587085	41.3355914838
0	0

gene_expression_table

12.2474480932	13.642964687
0	0.1176995627
129.223854759	387.056263963
6.0550963804	4.6312740342
0	1.1740247795
0	0.0195372112
3.7540362485	7.6199763491
96.0165433453	47.8003929059
20.2748622132	5.1123101411
19.3289820228	36.8784675307
0	0
70.0598432557	87.9354412387
2.1633090897	8.5276515114
0	0
0	0.603651593
10.651207109	7.9377467325
4.8506124744	22.9735720178
15.140903707	28.5061024909
56.5219072771	100.4291571127
131.255444762	134.2512942729
147.224684417	416.5277971456
0	0.9769948661
15.469335672	5.8891347786
216.7640119767	328.4945986005
0	0.2866812343
0	0
1395.757815874	1770.1307863907
4.7142699396	9.4920216524
0	0.3617146869
0	0
0.5747420732	0.8453743478
2.2264410173	1.9386927055
0.0868692213	0.132884811
0.4156032809	0.8034240535
0	0.0340244423
0	0
0	0
1.2751550198	1.4372980425
0	0
0.377940235	0.6670838861
21.714523398	13.6700513475
1.3853925083	2.1192502803
0	2.2448901312
0	0
0.0519851081	0
1.928723	1.8723622231
1.8851356852	2.310667435
0	0.0112497987
15.3412332083	4.8998399575

gene_expression_table

2.2200020216	0.9469508605
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0	0
3.8710208886	2.0290603851
19.1326029918	16.4025835307
0	0.0945197253
10.8599369418	13.0737945037
17.6256440773	16.1970383864
1.6565361477	2.2538173879
1.7227915634	1.0136051368
31.7234037177	40.0249358232
3067.4349361973	3125.0879151563
4.5021060707	2.2250054313
1.1551700698	8.2916664832
0	0
1.249851067	1.9539310576
2.4443746587	1.317041581
54.2527796127	24.6845259115
6.3896442594	14.5110905072
17.2742226943	11.474689198
3.0537243371	4.9279816894
17.8547952861	14.7068267836
0.6730032654	0.8711158559
2.6741426049	1.1887404285
3.0113896292	18.8691625041
0.1498479416	1.0579571896
1.7521842504	1.1339881702
1.602989515	4.3383499372
0	2.890389755
4.8026343501	6.1033649656
0	0
16.8347595733	23.4268581855
21.0455656308	13.7972721797
24.6665098401	14.5125513807
0	8.2185952948
2.9972277643	2.4184048576
12.0997668298	8.7206560216
3.2475084189	4.330858656
0	0.2504218436
4.8654710498	5.6297837899
4.0553675249	4.8912532177
0.5468726858	0
11.2707570851	3.006123439
0	2.3740028122
2.8347256408	4.8821406296
0	0.547853088
0	0
0	1.699280221
13.2725550124	0.7808913293

gene_expression_table	
0	3.0094700249
0	0
0	0
0	0
3.1591592014	3.5005378004
0.4367533907	0.3083568481
0	0
0	0
237.9756121957	175.9138332623
0.8820704338	0.6746564612
2.2534942683	2.1544969798
17.4139493855	28.277592155
0	1.2635718835
27.1691392583	40.2970053465
0.7138049015	0.3359739299
2833.4813777195	2279.8049541285
36.570124981	22.2138661109
0.6820612042	0.6286892251
18.8913877024	20.7475442639
0	2.4142859199
0.6285114027	0.6360301082
0	0
44.0794693786	55.4048267946
5.3942331048	1.2694797213
0	3.3650108255
49.3610219618	40.8656489239
12.6657972132	8.9423125051
0	0.6964878831
0	1.8967016021
29.3442822477	31.0764973196
36.5961153247	46.7537663293
5.0207430756	11.2250338958
11.6989345848	9.953982573
3.1019004973	5.4750133646
19.5009779635	10.4371006725
22.3780445515	21.8886942357
3.8184780494	5.2795174198
0	6.1534483277
795.0791354623	996.902113463
0	2.5386051362
0	0.8769029696
8.334462377	7.8457350803
1.1705048566	1.1018672351
34.7853446373	23.8149493127
11.5591756976	14.9618608833
7.3047968619	4.7275583176
1.6716628185	1.1802282221
0	0
0.3616175168	0.1702062538

gene_expression_table

64.7553282366	92.525716523
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20.175752458	16.1437608596
3.2412143288	2.019975424
12.1463482703	6.0743627221
34.1629465493	32.1596542244
10.7866262021	5.6411698109
4.6392606165	0.9098369747
0	0.2787735136
0.889076514	1.9354275938
4.9027078473	3.0768108932
0	0.1637903158
13.2049737263	13.332866985
4.9343570655	6.7441967311
0	2.6086019101
5.0520056344	4.7557594046
3.8358743877	3.3331765666
44.6358426491	11.379990566
8.6519910896	8.2900841954
0	2.243627891
1.5036073512	0.8122677219
0	5.255675387
39.8077230484	51.1001247367
1.0546046959	2.1561579707
124.6261352554	73.3238387999
11.4859374694	6.581466824
19.6157568613	11.1503223647
0	0
3.8116890767	3.5383384274
0	0
4.7039846616	4.3051420891
0	0.2332620968
1.7887573562	1.2628993664
79.529852816	44.2098264603
32.8239299604	16.327395287
51.7398663937	36.1488917879
0	0.0472937731
0	0
0.0168964782	0.007953
1805.1225831073	129.8054543778
123.9382936727	25.8021596783
0	0
39.8998763208	8.6075399376
1.4485572474	0.6818074099
128.2880151349	104.2972974408
6.7399693422	4.044773057
4.5987098661	4.7869243138
0.9624883005	0.679536473
0	0.9972395793

gene_expression_table

11.4002448775	7.0427057837
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0	0.5940128786
13.9145396725	11.4612753301
0	0
2.1882957873	2.5749694834
4.2187833135	2.4821229269
5.0285818626	2.958568242
2.631698635	2.7381541764
0	1.0872366965
29.1498858259	19.1361772295
0	0.9783259217
78.3174877327	150.52188043
0	12.4106146346
0	0.9256892126
0	0
111.5870031908	29.841936362
21.5318552624	6.3341380245
41.1166810597	19.3528131981
10.6414317721	3.7565345002
0	0.2072130081
65.5130971473	66.3326674385
4.8551214979	2.685121998
51.0788725058	16.5287518008
8.5962679202	10.8738783261
6.4316086415	5.5499247967
2.3340588318	1.9912045103
7.3364856803	4.0426999431
0.7806051042	0.8266848111
2.6527255142	0.9052246561
3.0992887371	1.7322944335
3.1282306084	2.3006197335
8.5949297714	2.5621274663
0	0
0.9612913544	0.3959033193
3.9486800364	4.065613214
0	0
13.2786349735	19.0971988537
2.5182225825	6.3920341072
0.6226655385	1.0013444487
0	0.2357896672
251.1272537493	40.1037952954
1.4585885801	6.6936573689
9.5889051098	11.0952181191
90.3198733317	39.5359630254
0	0.1428274324
18.45414021	8.8834099996
11.276347249	11.0131764093
10.8579588784	6.5708070657

gene_expression_table

0	0.7216615521
2184.5921568106	2181.3648077557
39.4597212666	50.3746510133
0	0.072887863
0	0.4118225725
0	0
0	0
1317.3063103953	1652.3906477002
0.2576370534	1.0610660767
11.102212538	9.0480177032
5.6476082304	1.5863559817
0	0
19.2379132309	22.1342181774
0	1.880856535
0	4.5615958892
131.0793417503	61.6964684321
0	0
0	0.0854276368
0	2.1535126639
22.8561089273	35.9717983344
0	0
0	0
110.1514761594	59.5172452656
0	0
16.3124705386	25.2092990154
10.9817560147	24.1933076753
82.9230509376	38.4388819455
12.7117194067	13.8182420314
0	0
5.3652788204	4.9805143709
29.9745467817	12.7857644231
0.7973445051	1.4073539192
139.8637764486	184.8989341836
1.3507262248	4.291381832
0	0
0	0
40.3160780905	31.2877849974
0	0
0	0
132.9789218733	86.3144060341
5.6232439324	2.382075302
0	0
43.5104151452	0.3657052993
3.7227586396	5.2566878462
1457.0315946937	1707.1073236574
1.7978267837	15.3726644361
18.1181699775	20.8932724523
0	0.8302137827
10.3572166671	10.968610964

gene_expression_table

0	0
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33.1055616434	17.2618625902
1.0762030517	0.4432291609
73.8125940449	47.7704376347
1.7196360569	1.5176228899
21.5625540395	19.4523844538
0	0
32.6630159812	49.1413791609
0	0
23.7792771169	30.3254573103
0	0
0	8.1620802253
10.6453397529	8.7684661341
1.750347817	3.0600302428
5.5446932281	13.8877475537
3.0844893881	3.206077098
0	0
47.6484257437	22.4271769714
0	11.8981977111
101.0329092578	69.1697505941
22.0172331846	18.8756075993
0	9.4713831344
3.8753021587	5.7760903028
42.5873743473	19.274076545
0	0
2.1196490181	11.2238674767
7.9657213924	11.2479252306
0.9647466476	2.6110018306
1.7245852571	3.0439813718
50.1536807086	34.6718283493
0	0.1309429662
226.7354885149	221.6490970077
40.3816022481	7.743521727
0	7.8550456107
58.2347568639	17.9877828671
6.3194375729	0.7436087478
2.7575399683	0.3244799587
0	0
34.5753240142	20.505145595
0	3.8653379025
3.1066377458	0
8.7953455654	11.9019140563
1723.0711541844	1573.3503976392
0	0.8819478542
281.0706521022	605.1889868502
5.2365034938	3.1649235394
5.1571663815	5.1857595229
4.7047693483	7.7505484385

gene_expression_table

44.8997214174	14.7933911296
1.2688042347	1.9409039056
7.2767014893	1.2232143899
13.5033820561	49.4338163214
0	0
0	0.9125585652
1.350858412	0.6358224893
17.7387042895	25.5696065146
10.5456153332	15.2355366598
17.1167759947	8.4593563448
2.4725773145	1.6002160868
0	2.9839035707
0	1.8999389897
20.2311977576	40.4703144507
44.9304897042	49.2523412247
52.4213517639	25.4961560339
0	0.2248769334
121.5630429347	77.5901722436
40.9577710593	145.7191314178
14.5122238604	9.3921002755
2.4975330149	2.623972489
10.1203666395	45.8482789762
0.9338829603	1.0989008606
18.7604628409	17.8443239565
2.6261333708	2.111618445
3.3888364924	1.5950586941
0	0
15.5845484662	4.0344372675
11.3585675195	7.2819671461
0	0
0	0
20.9724345568	11.4507225165
0	0.264906285
1.4988048317	1.4990981643
1.5340421331	2.5873224144
16.6014005787	10.8156541514
2.7746970563	0.5441647245
0	2.5523590192
60.579436044	77.9370345514
0	1.6132247751
3.0200961278	5.3306244597
0	0
0	0.4215244042
4.9531821346	3.6136164078
2.0515055218	1.2070041318
0.6277210241	1.129063777
0.5770633012	1.7145529449
2.8672016272	2.4547583954
1.058037323	3.8594795494

gene_expression_table

1.763034369	1.24473841
3.8436995488	2.623272995
0	2.5787071633
63.0273688418	66.7342887184
0.3435221775	0.1212668501
6.6339993471	5.0306832187
0	0
5.6650516787	7.2374485675
0	0
0.8233707179	1.2013876555
11.5571123016	9.7914698729
171.5171749183	82.344356503
5.3683093778	2.147744006
0	0
1.336804102	5.1909610664
16.3571802523	40.144801743
0	0
47.6111581939	51.6666604749
2.6662306979	1.3176894748
52.1219678987	44.1006021279
37.5834245226	63.0607856408
8.7694025555	19.6060303123
7.982933628	17.8476968873
4.9767808648	6.1489913168
0	0
0	0
0	0.7909410611
0	0
0	0.0826547281
7.8973600728	17.9882641795
651.2583830838	594.6474820095
17.7446337649	12.8577614267
27.5189287353	14.1862013068
0	0.2265347231
0	0.0774323407
0	0
0	0
2.9732810367	0.5247993424
0	0
54.8611500299	62.5688484792
174.4183394371	86.7026706598
7.0688744052	11.4443524819
77.4061274645	31.0941435811
2.8718739929	7.6035071916
6.2064064745	5.2806912835
0	0
0	1.553248327
6.4523673115	6.4536301107
1.119696396	0.3952643057

gene_expression_table

3.4855119518	2.8709833804
0	0
2.2349898916	6.3117947399
0	0.6549411149
0	0.1295479719
0	0.2255908285
6.3761515435	15.4558150805
144.8910222909	86.9516274339
74.8662086123	26.428539089
21.312855938	24.9395284351
0.3969117667	3.3160294961
32.2932852216	33.8829193613
0	0.6165823077
13.2301506833	8.0434301773
0	0
5.251315244	6.4881883922
46.7738529963	54.1215180794
10.0720153395	3.1604663666
2.3137395827	1.8628174174
4.2451183696	2.8722597434
342.0526145592	97.2914987734
1405.721332013	916.789686401
0.9302752385	2.7640055195
6.2008150483	3.7090563292
0	0
35.3620224516	27.2251697145
0.0988189698	0.3372130569
0.3215126626	0.0756648438
5.2618604127	3.4827949963
0	0
2.4118532405	4.036308943
0.0475885168	0
0	58.8920835034
1.3777869741	0.6484972339
4.9038137108	5.7703216954
19.2213405719	21.8348448067
23.6782567279	33.8327011757
3.3711604386	3.014803954
13.8958416547	5.5342687225
0.4055684322	0.7582697557
90.1490701622	30.8035604349
0.4108128123	0.7009354808
40.4817694177	15.7875774414
550.1626848074	276.9924076327
16.9540927896	3.6574807806
0	1.4610589034
4.0913564075	7.0609770102
0	0.1511285383
0	0

gene_expression_table

0	0.2453555838
221.5900407618	230.4858683975
1.4552714093	1.780915848
0	0
16.2291329818	77.1830388501
0	0.1511726335
10.6320134495	7.6152081595
0	0.0494878226
3.0618238017	0.9498424384
9.770103582	11.8463822024
24.9055758816	39.3416378902
66.3703724031	143.6136781738
0.3481702237	0.2048460967
0.275899663	3.6036301434
3.6097581205	9.2916368121
51.771003524	50.0595122416
24.4071622729	17.8947245325
2.6135840003	1.8110727045
11.5434204038	7.1990707957
3.7045928283	2.3777440799
4.677250528	3.3022347652
2.0575304211	4.6606132026
1.5759941362	2.4849946485
0	3.3000515927
2.093144477	1.6420032379
1.7541989257	1.6169310855
1.6756547801	3.0021398322
0	0
1305.0541364912	1863.4622760308
0.9404577872	0.9467898311
0.3084571444	1.8874012552
4.5422670215	2.5065688238
0	0.1474615592
1.4746720667	3.6440204942
2.3805789934	3.4273864288
9.9249945368	29.5060167992
0.1257080044	0.3155641897
0	0
25.1229532578	42.6318043732
20.6296665044	20.6337039569
0.5215740492	1.749149367
76.0820476301	53.7154854516
0.4937489486	1.8591833625
22.3926304728	11.3382382883
7.2263050826	4.0015055225
37.528515787	18.4919312905
71.1395153025	53.6728356508
37.1938082723	97.952443302
0	4.4129994055

gene_expression_table

6.4902905451	4.9641347036
5.3561086746	3.6554717834
1.2647422565	3.7701656201
1.8342515042	2.3545803047
2.2511197827	4.1178269531
0	1.9110399618
2.0044435326	9.9062476022
351.9606620019	80.7597190488
8.0478895847	5.1720542064
1.7716356028	1.1181492786
1.724169813	2.089697023
11.3881281884	8.7102729773
0	0
0.584538418	0.0687826845
0	0
0	0
1.6512064885	3.4973569012
26.9223183311	10.2166434261
1.5702266763	2.2527568952
35.1680438545	28.8813735787
3.5277181632	4.7379441736
37.8769896081	88.2483730018
245.4656363493	99.3769880072
16.8272955052	13.3324664155
0.1001743805	0.223963027
0.7972622673	0.0938139177
7.7190451682	11.1638412155
3.7323110221	2.6978282939
0	0.0684988267
0	0
0	0
0	0.2941347239
1.6869316444	2.7841092069
0	0.6557910745
0	7.4946189149
13.118851596	15.9817976574
8.0871573316	4.7580823984
0	0
0.6809076529	1.842816591
0	0.0146659973
1018.2405706278	1452.4091999857
0	0.2815230543
0	0
6.6578344663	15.2208856633
10.4577304497	4.6761356637
3.7520318606	0.4415019029
3.2717921101	1.9249602563
0	0
0	0

gene_expression_table

3.0425232708	5.4000440138
27.8248017623	18.917292338
69.8521860019	33.0972372807
6.5541258599	7.7122453817
5.4951283829	3.9874420015
1.026661005	1.0872655771
14.6747717878	8.2022127128
11.6997766018	5.2565431853
80.9134965724	29.6211934971
11.3639068255	6.0781448487
76.1570053125	74.4916473532
1.0244296066	5.6656017222
0.951306493	1.4552240898
166.4977607528	45.7142126809
82.5040753118	62.1094798347
206.2294707333	129.3745825344
9.5635962214	5.1766061697
6.8026786156	8.9283388807
155.9447703813	63.7422239761
38.1536823258	44.8954699069
11.3822830122	10.8487689724
42.3393808205	29.710832618
2.607324869	6.2127837425
2.5221665489	4.6001450062
56.4778570815	26.0292038205
0.7709890324	2.0412527386
1.4749534497	2.4876631731
1.4365062762	0.9015136729
0	0.2852070175
0	0.7166579107
8.4950575565	3.1654447553
1.0591274854	1.0593347683
50.5537604107	31.6218519385
2074.8543337705	1444.1111207711
5.6512265426	5.5415024998
14.3613400374	18.9788778605
25.8406625462	87.2439231065
0	0
41.833688727	12.7166486003
53.8629795238	26.056474258
0.6743026658	0.7141072597
6.6236796371	6.4151350963
2.7128928542	2.4474018562
7.5872948952	8.9279762496
13.1687402896	14.5524531574
0	0.3383862427
53.3393323159	55.232704518
3.3277093457	3.2304676558
0	0.1161176698

gene_expression_table

142.7006571073	187.3196072354
0	0.0608090801
4.0108747292	7.3415994537
19.7838248342	11.1742287508
6.373327712	3.7140381198
0	0.1303350462
6.3260573845	3.8708160482
0	0.0749367458
0	0.6564915846
0	0.3297499349
1.0346311221	0.9739610454
8.3010481521	27.6755758615
48.2638364087	35.4950604206
1188.5038830271	385.2767619957
1.4369833954	1.7923535371
0	0
0.7521792984	0.6903702075
4.0556358019	2.5002545212
2.021245565	0.9683491199
25.7532466709	14.2195067758
35.3339429863	20.9550500547
0.9543602202	0
193.9536871154	165.9821569914
30.9079696922	21.6484724941
3.4201743459	2.8171654096
30.4062169375	47.9041335436
0	0
2.5183319706	2.6176022803
0.2514061964	0.3402043638
1.0706678048	0.839903801
2.1665428564	1.9120295935
6.1379197704	11.9014162144
0	0.2605655495
4.2702110481	4.2710467753
5.6046520006	11.3763727526
0	0.008717
25.4341143696	26.935509288
0	11.6187509894
123.5011349931	90.8274305313
2.2398470167	1.2958513469
0	0.2843244101
17.8962946923	51.5315960737
143.6851101692	119.1119574219
0	0
0	0.2737808808
1.5407542461	3.906205582
2.5239233911	4.7518444248
0.5042669798	0.4962742425
9.7633075605	2.6806481737

gene_expression_table

16.3118148663	5.2098342536
0.2348496719	0.2763478053
0	0
1.1572800011	1.2255951108
25.0136613695	21.6547172458
1292.8590206437	314.5562255861
38.555772078	31.9377041386
0	1.0546560143
1.1073772333	11.5971602785
7.3590404029	9.3328970308
5732.0571975894	9765.602619158
0	0.0943080437
10.805486116	7.6288947306
5.0557704974	3.3145149365
1.6680915061	8.6365165502
0	0.701838133
108.5665174047	99.3613536547
34.8388463839	14.1905421974
63.684936244	35.8037673686
19.1229863532	15.5014012258
181.3011219205	54.1548230761
46.2158799748	11.3943792546
0	0
35.3481618768	18.0934820668
0	83.1401323891
441.4331585413	748.8950751735
167.6775713496	130.0988669238
195.7206619738	49.0912578927
245.9236629882	156.124411276
36.7637022697	11.4638679912
30.9494556343	53.8990104926
165.7642749064	134.3711953126
0	0
0	0
2.3350459277	0.5495300993
109.6963487117	40.8752653405
9.8470522793	2.3174069307
15.1626834822	8.9209711682
489.2364581783	269.0701394707
4.9896308025	30.5307742424
25.7922457098	26.935409427
85.0779123813	30.3194073438
90.9814168695	52.2761493443
1.90759852	0.9998996903
114.9665987444	60.4666384966
19.6607581952	13.6825998201
21.3298455828	19.0751238255
9.1935490476	3.1681452216
1.5924878532	5.6216453666

gene_expression_table

23.4354112273	16.2701161164
11.3485801404	15.6732424994
7.2846611278	7.3128738999
18.2020039777	28.6469940465
0.4639149246	1.6922561474
23.9168813095	12.8653779394
0	0
0.2022071906	0.463977872
0	0
4.051809277	5.8042385318
12.5193314965	21.0660562168
12.9398824335	5.9670911353
4.3174352319	3.5138946737
0	0
1.4502422167	0.4692878381
22.1589727073	35.4612951389
166.5515282733	72.6704466405
7.3018642477	8.0551029075
1.0649054994	0.7267836113
2.2749156948	1.4722923605
10.7062826028	6.1982611135
6.4791492373	2.6989031958
2.8815949328	1.5597565772
1.8056473171	1.2040004681
123.5942263009	79.9883862084
65.7226196755	75.2267016862
0.8314262401	1.4675099282
0.1208714078	0.021334423
16.8355794258	13.5843019835
1.7841857354	0.4962343094
0	0
0	0
7.7456855999	4.9369421424
0.6076898193	0.2145207356
24.3723547711	17.7092641267
4.5323045401	3.0170485017
2.2851379192	2.4200313308
19.1466527011	22.8569289266
11.2872145891	2.0254554144
3.625298299	4.2806015116
0	0
46.1473691122	36.7770251245
0	0
10.7783372303	6.9333068775
0	0.0462350542
37.8918433295	75.0553956304
6.8671204992	4.2198409163
29.3043330305	24.827351896
0.8302118013	0.0976910921

gene_expression_table

77.6203072807	40.2288372555
0.7991084687	1.9746543674
0.7938561434	0.1868262376
0.3653244249	0.1934449004
5.7684367923	6.0750133368
3.7665664706	2.1052579103
3.9089831701	2.9438104102
24.3496296785	9.111409016
0.7224401332	1.3601534544
0.2220919232	0.2090686015
6.4165582339	4.5302216646
14.273160716	26.8723842456
0.3154303452	1.1877348833
0	0.0214267392
4.6490621535	2.8615212468
4.0420079686	2.9488651778
167.6775713496	110.5421409079
2.5093005006	1.898161713
4.0085328825	4.5246762774
0.5839731687	0.2748646864
0	2.1079541606
1.8917932567	1.0320891826
0	0
0	0.5779390949
1.5404569673	0.7930374384
4.4618339167	12.7505918475
3.4097043013	6.9009872739
0.4805142128	2.0920594619
0	0
0	0
2.4294393195	4.478666471
1.5568821049	0.7038677194
7.1874289054	2.3680870094
4.1245573477	2.3963514775
0.9742143255	0.2674837227
0.7018919494	0.8121515633
0.3817403176	0.2358269293
0	0
0	0
0	11.5136989913
2.8806120484	0.8174962522
4.5282813225	2.2254041283
13.1405213853	6.8722055581
0.0933576175	0.0768977906
0	0
1.044316248	1.0923091578
2.1800259573	2.8217622041
0.4929303157	1.7400945445
53.5925418706	45.4420154928

gene_expression_table

0	0
1.9543071058	1.4564353772
4.5811319429	3.1300384582
20.3022483395	15.0163656363
4.4727099017	2.9239119348
19.9749333846	17.2010356924
8.1863007639	8.8723406177
0	0.0942523414
11.5769038406	8.3932500473
0.3400968965	0.6174395526
1.5073743076	1.7559913225
0.1982726294	0.1166537844
1.3610000773	0.7206704682
3.1290595661	3.3137703079
0	0
6.7468920966	5.4549118425
273.1834040739	210.4172906374
21.7386335575	9.284544787
1.4477084834	3.5287195512
0.3038568535	0.7508520888
0	0
1.9829840024	1.8861479719
0.2064685844	0.5709366266
2.6890475333	6.855776377
41.6249599415	30.5593389715
67.7656754271	56.8378781692
0	0.0176845001
0.1192295216	0.1753718473
3.7573816581	0.589508552
1.0140982219	1.5133089684
0	4.848519298
27.1511627651	15.5750380191
1338.7832919819	1569.2241609929
0	0
11.4506261691	13.7733827554
0	0.036647542
0	1.6188852129
20.7612597575	19.3911471798
38.7789433406	50.574596698
17.1578984523	15.7954817075
0	0
11.7477892416	3.6648702574
1.922487077	0.9048768606
9.1637031287	8.6263497093
8.3541587835	7.2744557651
0	0.009509
9.2415341782	3.4487766592
0.7463057117	1.7124481826
0	0

gene_expression_table

4.806775582	1.5083031595
1.8490067914	1.062267121
0	0
0.747462165	0.2693589274
12.7622512256	7.274029726
0.3063682331	0.6188647813
0	1.3588022413
0.3458336781	0.8952741122
4.1512175307	7.4356615141
58.0925207269	43.6847261752
0.991653116	0.9335032409
0	0.1011269725
0.4869366925	0.2037258003
10.3618445566	0
2.4538233103	1.7901978839
0	0
36.6521386402	10.0633405124
17.2027571293	32.0988193727
31.1189051498	20.4012575294
0	0.0102341918
1.0819043408	1.7982223118
0.8060144019	0.8346252824
0	0
1.7516760119	2.8444541071
0.072922549	0.4891057391
1.2789242198	1.1576239994
2.4438312633	4.6585664326
13.335473215	13.167519391
0	0
0	0
105.0652371573	36.6676386231
0	0.4040002045
0	0
2.7189636735	0.4113523066
13.0607912995	7.02566585
0	0.1002284417
0	0.005075
0	0
0.2871120194	1.058580854
2.8075508024	1.2113373718
0	0
0	0.0610269461
60.9732979477	29.3511807396
0.9980550083	1.0569709468
10.6610004219	7.1087245979
0	0
0.4129786446	0.2478356814
16.283834083	19.0015245097
1.464076981	1.6079285677

gene_expression_table

0	0
0.9832808575	1.7190121482
0	0
0.6520599562	0.5831324169
13.8501591653	17.3839934666
7.8088049694	5.2834607201
0.3125813219	0.3089643505
0	0
0.8681939663	1.0386313091
4.1386352773	2.5567161861
0	0
0.7437493784	0.4594645207
38.0641978945	27.0588058473
3.0964332796	13.1168722686
41.4539955271	25.7672017086
17.7759613338	20.219755618
9.8734653713	6.3899632287
1.2842843125	1.1082268449
0	0
0	0.6139188852
0.9854333188	2.5510324631
0	0.6086604793
0	0.6752150696
0	0.2568280496
6.3579010028	0.3740673714
104.3679280056	58.1153651227
129.7075295113	61.0507833884
0	0.3335835333
10.6232324018	4.0278958571
45.2887689148	19.4441347451
11.0364592222	17.8565898477
3.887906669	2.2874515147
0.4907521991	2.4831146499
125.5027778194	121.1883113566
1.643688024	1.9341290727
23.0441689698	116.0568776216
10.7196450412	73.4754740441
33.1030759198	478.2491213579
54.3526568853	204.6618138265
3.059180006	2.5198177704
6.933507181	5.5750868613
17.3223736985	15.1289023139
60.0202090872	41.7869495571
6.1701277452	27.831512169
90.5930519398	36.3232764427
67.9707522598	77.8484079446
3.0349179581	3.5711904999
100.553734592	71.2005800282
238.9842943824	211.0387611232

gene_expression_table

701.7400035602	317.5915573719
1.4497254387	3.4459041355
3.1994768374	1.5059308283
12.8052569453	7.3330721919
5.6693252781	1.3342199594
182.1912753066	96.1034530565
38.3139767805	30.0560590171
303.2030817908	185.3612099105
342.4917955077	91.5932686942
13.1825811796	7.7559771504
35.3728664745	18.5412799714
85.0378002114	55.0352278517
141.5739201322	148.6372311369
3758.1108906691	4467.99232635
9.3124854978	8.8506999604
12.1692947721	5.3698572515
0	8.1840254818
0	8.0732149732
0	0.8347854445
0	0.1997676843
28.864585658	6.7929964176
64.8524868122	10.8815224293
730.7712642117	205.8298301669
37.9347222543	44.7428495708
5.7577237356	8.6570956513
1.156103024	1.2923680256
51.9159311311	29.526601134
63.2490383104	38.0100109599
0	0
0.9362810125	1.2118949156
13.4634367441	19.6333061986
5.1079997616	10.7439253209
21.0449108081	15.3534097737
4.5529132049	3.4823209047
7.0451476843	31.5021184578
9.1599581765	8.6677349022
3.9429252852	2.5518039147
145.5140772184	80.912931897
0	3.6420092274
13.0573243906	0.7682282266
0	0.2655559443
4064.8302179746	2601.7278097886
0	3.6137553449
10.5123429789	5.6901460771
533.8504100376	160.2505673561
10.1970360837	19.4552958702
0.942491226	0.3881605749
2022.6609784258	1246.5600206426
31.5326858981	24.631097481

gene_expression_table

199.1318417597	574.080581673
32.8514068815	96.6406948909
0.5044859839	1.911485635
8.4931907844	2.66505192
30.70277786	21.9778571703
14.8429452975	7.3038407524
47.3765843583	29.8130964022
3.4381757973	2.8319930356
3.0432819052	2.9841936362
0	0.6100211618
0	0.7687043385
3.2882150924	0.7738490899
1.0871921293	2.0468798207
0.3865122625	0.727694884
119.3827148634	45.933991318
1.9590619503	1.1526149178
9.7536866888	40.4980186779
327.1289546377	108.3514870592
39.9559966583	21.589096541
0	0
7.049323824	6.200471567
12.5976793338	56.3300592762
22.9148301558	4.4939833019
4.4145116564	2.8199037604
67.0063803017	26.8313339325
132.0604106928	209.7840542294
0	0.2838541444
71.9051197133	78.2250926624
5.9688782117	7.0235839844
1.0993764989	1.1966144524
0	0.1606014232
8.844320411	6.2442715353
126.2287983542	48.7375653873
1.6209394479	0.1907360804
0.2972777913	0.2098842154
0	0
53.379323134	17.9461411947
2167.0606189876	3711.1302643191
3.6474579442	4.2204340337
26.1566230918	22.4106100724
39.9462203775	39.1482425616
0	0
40.9424578348	27.0326636804
0	0.1077780672
0	0
7.9146102791	3.3113345904
0	0
0	0.1181091545
0	0.1532831514

gene_expression_table

8.1687126018	7.2777562918
13.4594180077	9.7854412787
16.3379963897	9.2077315559
37.9359228332	68.9428140669
7.0798748069	10.6786921785
0	0.3767738127
0	1.0771935342
254.4551899031	257.3373185583
0.496820837	0.2923047473
19.2478487032	15.0049357808
142.768474167	128.3841457242
3.1798659094	2.6192256128
20.109094795	10.056515183
8.5513547434	8.6249025253
91.9136271013	96.412316201
0	0.0950332477
10.4679624738	2.1555905348
2.6186555647	6.1257718966
0	0.0336132852
8.0665813683	7.9099608696
8.0796576416	9.0069535943
0	0
342.4458172831	96.1600212776
0	8.4991250126
17017.3965042468	16486.5817864478
39.8394620981	21.2942481432
0.3311883479	0
0	0
28.4980437297	13.7860651121
0.8424814761	0
0	0
0	0
182.0521912204	94.0787074315
0	0.840338341
30.1009970375	13.2824506471
3.7300040401	2.8163384441
0.6579228904	2.4193075483
1.0087612934	0.2769690601
8.6112874172	4.2819712677
0	0.0419409707
137.4233899364	196.4883100368
246.8751751347	132.3380803152
0	0
28.186756269	28.3581096254
670.1302596349	346.1042698577
0	9.5572367006
11.2069823691	16.2956924024
11.219065369	0
6.6158302287	8.2519441418

gene_expression_table

31.3587668934	28.1361640158
10.163479593	68.1684371487
13.4533943994	4.7491861329
0	0.9552651212
25.0678947957	31.8572057964
1.6314765807	5.7592795714
1.2586192587	2.3696293352
16.1992898023	9.0207566212
0.7305487231	0.3008730527
0	0
28.1901065777	10.4428235894
0.9548317653	5.5178854546
0	1.1715381508
5.1295539334	7.8999939113
0	0.7534643972
0	0.2086389165
0	0
0	2.058548985
1.9268960114	0.2267380148
294.0736536659	242.2256999747
0	0.8494417448
5.3809653141	7.3870841171
635.2211865683	182.7137403843
765.478001723	413.5209049857
662.4577898448	345.2136242618
2.7608886489	1.4619329921
0	0
2.5370670997	0.5970737957
0	0.6944435947
2.7843986079	1.572674002
0	0
39.718468064	12.9588274101
0	1.7550467333
65.6637448116	117.4452068362
34.6945064597	4.0825054772
6.778267309	5.4502617551
35.3055094944	32.4623059955
0	0.0269282438
0.3638986931	1.0704997414
46.5285074592	22.2650543496
34.5635057397	42.7044514207
24495.3658767836	66608.8986586505
0.9345152134	2.6391475999
0	0.443741936
57.5062550742	25.1337017091
0.7504792271	1.236325348
115.834507592	27.1584130975
55.2138288516	21.2957742057
16.1623976287	4.4376049221

gene_expression_table

11.5966776684	22.6360078125
0.850228347	2.1009752548
2.5166921468	5.9227875085
0	4.2319272037
0	0.3672606542
3.8507203543	1.8124583448
0	0.2726005079
0	0.812209861
3.3386325916	4.9107147039
0	0
0	0
2.0462558342	1.2039154758
2.7757598532	2.7763030999
0	0.3369072599
1.5817559831	1.1787939393
7.5333164791	9.5292942875
1585.9815245495	683.6066196376
105.4106447383	40.5082187462
0	0
0	0
2.7088365711	8.9249727252
53.2889031658	12.0931258363
139.8541025446	17.0443812284
208.5980703047	106.9824301896
55.9804890204	34.9969531459
1.963906514	7.6260704447
97.8533338298	57.572049884
3.6750884497	5.4776742269
47.7746355947	71.6759784239
0	3.7156136451
8.1282187584	0.9564481812
29.9609924001	7.0510249637
4.4356091348	4.1755079833
127.5777527516	123.0990956687
7.0751619597	4.6167844433
237.1431292108	177.6413784458
0	0.9894431917
79.4984441139	57.9720981716
12.1667408802	8.3513582663
50.7487883937	27.7504423437
61.3974268405	220.3515307351
0	0
5.9651649359	6.5332689456
52.6686592992	62.6307629621
0	0.7623049114
3.7340062372	5.0528795021
100.2467536329	61.124954678
6.9806767362	14.9224054808
0	0.1324582861

gene_expression_table

285.8536687027	294.4019781622
297.5042317637	124.8088053308
7.435490611	7.0443468686
22.597577753	18.4088690612
25.7566414102	25.1122280932
1.7409243054	6.0773563563
0.305729249	2.3743622957
0	7.369095699
18.641677448	14.1936736416
96.7770062896	86.9065774548
2.2439433463	0.5280900025
7.4953321431	16.5370567545
25.8238397747	23.2966492953
10.8292743615	11.4685345795
0	0
0	0.2996383648
3.6898243568	10.1309119498
0	0
0.858996315	0.5053908412
16.6185149401	13.9818396079
28.0793608141	28.2684174056
0.8803024757	1.2948158244
0	0
0	0
3.6160060061	2.4466004429
0	0
0.4180603591	0.5657217703
6.0141103549	6.4575879253
0	0
0	0.1081548419
0	0.2439604711
2.1307111726	0.7521628857
0	0
5.1482568417	1.2115916264
0	1.4117127652
0	0
1.476700424	0.9556990432
0.5568476285	1.9002049035
5.5203313935	6.2792526159
26.6944017141	107.5837875284
0	0.7555506316
444.3994341112	672.8816729573
42.7000886005	67.1132714641
14.5208566798	10.5368009241
31.1653269331	27.1374770403
222.8330433288	115.4830223287
42.8172232601	12.3858361795
11.2331951742	10.8682239074
180.9043401249	211.6181101774

gene_expression_table

72.1217760485	92.0123440309
43.3329747778	36.0851937338
0	0
2.3553665137	4.4899300298
202.0978365506	113.499603628
0	4.9042894697
22.3436231881	35.7755735578
0	1.060316866
106.2651961045	106.4876745732
1325.2818536088	2395.1611258878
54.297124158	90.9001388755
604.875601649	191.514165458
0	0.4427483549
3.1807356505	1.5411423591
261.841530484	178.8133447869
32.0326499376	10.2309153362
11.1336527314	6.4569108232
143.781460283	139.3099253052
548.2841369857	763.4469097538
0	0.1288493208
0.6127283712	2.0187943632
47.3696417478	25.0829536804
205.2511301108	118.6594214908
2.6234476525	1.111324697
0	0
2.4381579735	0.6694292563
0.7811803742	2.5738036794
1.7405061783	0.9216247842
0	2.035314881
0.420242255	2.4724970651
0	0
28.2847045816	13.2056908756
0	4.4283457659
0	0
28.9294013444	13.6165003041
19.2803469896	34.7288683504
63.2120937786	46.7542262778
9.2480733348	8.8223676704
34.330982699	57.2157621725
93.1009677877	33.2952116353
1.0035228799	1.1808462122
15.7616552374	6.6768310447
47.4843328216	46.8140669905
5.5616870589	2.2608071722
338.1847017158	70.8716146661
0	0
0	2.4450258601
0.8792010964	2.2242968308
2.9506790421	1.5872303986

gene_expression_table	
0	0
0	0
26.7755959238	26.6758133151
0	0
0	0
10.2976433005	12.0459675706
23.5301123678	10.6425376792
2.9674218301	3.3171793621
12.2266123643	3.4369099713
68.6548227147	44.4324030235
0	0.4187763445
0	0
0	0
0	0.0881309802
0	0
21.2307040712	9.6725904439
13.202432204	8.9069127968
8.6594932817	10.838064178
1.5894752507	1.1222021142
430.8175047356	249.164297565
17.5249270067	26.3835128718
0	0
0.9929779358	1.830552816
0	0
7.7117363415	0
14.1608500963	15.9225026353
17.1425885727	17.549377532
7.976781158	7.210373524
41.3808139144	33.2734395368
2.0783867604	3.016288642
1.3742038713	0.277204602
6.0663823416	6.1121840816
64.3089520734	10.5941356775
0.4330722824	0.2208251573
8.2479044379	4.8526580256
5.3401005252	4.0513333814
14.573785896	32.5830735029
6.4074403508	39.2061301859
94.7718417648	30.4140287666
0	0
85.5081420267	65.3064542886
57.9552018935	9.0927912727
6.8147192447	3.2075543342
335.0851639492	150.3953757887
28.0659938974	20.6407990595
1.6642128917	1.9582807017
44.8834995826	27.2874666094
427.8562383331	485.8377357576
12.7822794991	17.0078083833

gene_expression_table

0	0
2.0654471715	6.8051575601
39.9727791872	19.2847611091
0	0
180.1474085095	238.7863658281
0	0
10.1951147972	7.1979600658
4.7305672072	4.28617604
0	0
0	0.4492207726
11.6164775171	7.8109250349
1704.3084971874	2635.4663258996
0	0
12.3301322292	2.9017753815
0	0
20.8578954107	19.1088701746
2.8962641901	2.7832298044
2.8667084645	1.9817892208
11.1343858597	11.9226754506
920.6540622083	278.4221756079
66.011409387	9.0621627415
0	0.6259167495
0	0.0565098298
492.2272057576	161.0187577987
101.397875765	70.2483615499
9.8659882737	30.8807823002
76.8128788263	16.5707261071
0	1.0490337771
25.6135850832	8.7548149834
93.8099033886	36.6017372763
3.8908910814	3.1476601682
9.4068668334	4.7965961642
0	0
848.0634464347	875.3774124662
116.3828311407	54.7791099011
0	0.1668835719
2.365920678	2.2271846727
5.1971779735	2.1064581525
0.7830241432	1.3360084882
7.9839315138	13.9667856839
1.4004014709	0.5767487538
0.6857157085	2.1785820691
33.9015289174	17.2105302074
45.297649521	24.8741649712
402.2669484665	203.4830020977
8.0583589345	34.7156722412
10.9974294286	5.9157414434
1.5752875564	6.0706781568
5.1161813243	11.0771953125

gene_expression_table

0	1.6555919554
2.0547411056	0.8220572964
6.1591152786	0.869692332
7.9929025325	8.6998609636
302.3935858862	191.2568971807
0	0
0.8784018226	2.2739555508
6.0915201654	12.6035520033
6.4363805363	2.8078086411
0	0
219.1061486731	121.7073333558
4.4302705406	2.3458963729
4.6038928167	13.5435113209
0	1.3514156393
14.651129718	34.4799931885
5.4455343707	5.4466001216
12.5370644524	4.4257122684
25.172385174	6.2202770049
0	0
4.6580310832	5.0112997228
0	0
0	0.5904503608
0	0
1.9605691631	3.9795808204
0.4499590225	2.3826022116
2.1963539765	1.6540489993
2.9690935314	2.2709276473
0	0
0	0
3.9901707094	1.2520632564
0	0
0	0
0	0.0312450954
5.3469205075	4.3412908252
1.4008727961	0.635814588
1165.3169908368	657.0474581407
0.4939256255	0
40.4322134317	22.5471804817
38.4268047287	11.530297583
14.8617440413	6.8606089145
25.0890491373	2.7677161037
10.6010266325	10.3707381335
0.1184838848	0.1022413967
4.1592338118	2.3859097789
4.1351298355	3.2438738242
3.3757285092	1.6456350608
368.5602053028	132.6353603206
7.1651264188	16.5716891127
0	8.6432311882

gene_expression_table

17.4176116251	11.3749015835
0	0
0.2010804859	0.8991239887
25.6006587219	16.3532004031
0.2238562686	0.1317059292
1.560562865	1.4231446122
2.2106754024	1.4567300133
27.2660883218	15.8815943229
2798.4660119173	1567.8279624171
75.0021516336	54.4660012163
4.1529538912	1.9715647074
5.7338067742	1.6867438068
19.295051247	25.6521050782
0	0.7878795862
102.892521189	207.4183919797
11.5393377095	3.029016167
91.2554173094	43.9332703852
0	0.2506841088
2.2012575576	3.626310253
3.0239950079	1.7791687276
0	0
5.488625375	14.4956772677
0	0
0	0.4225897697
0	0
52.2499633355	47.6864854358
2.0016406958	0.7065996843
119.3991411443	171.741939883
0	1.6246110222
0	0
45.7332529273	2.3917491988
0	0
8.0641128768	0.3795619347
1002.3257312263	569.668325222
0	0
18.3958496888	8.4781779222
55.7168726157	56.6456462887
0	0
371.4204260465	257.2786293491
0	0
0	1.8093217304
14.6796487475	12.3074079091
24.1485037151	63.935020172
0	7.7982014773
208.057176483	133.9315175572
0	9.2302141207
0	0
0	0.5695805838
2.9042440785	7.1765955164

gene_expression_table

9.9663950996	5.5705460888
3.4043583367	1.8026600861
9.219866459	2.0148188495
699.2207481725	590.2506542409
9.8873574306	8.7258463192
7.1786181642	1.6894171997
170.8650760216	138.7293837347
0	0.4138226662
11.3054836767	19.5113190785
0	4.1870986998
1.0597082747	0
0	2.641196731
3.091150109	0.9295472793
0	0
351.1405782226	178.098022461
52.8819851265	43.3509723719
114.8964409358	158.9675485731
0	0
1.7554737409	0.4819890645
48.7657819046	46.3765393843
1.7273214094	2.2866081157
0	0
0.8630242988	1.3201778385
10.855432029	4.0875507036
2.7248403291	1.3466551957
0.6391969073	0.4512861213
4.7810094255	2.1297738777
7.2459092981	3.1779724437
0	0
0	0
0	0
0	0.2413623922
0	0.0557314727
0.6309739804	0.7424676105
0	1.527712787
0	0.1569815022
3.0676297063	3.1043268996
1.6603522724	0.8791820585
6.145460689	0.5165263381
0.9974454225	0.5086011073
0	0.8585824243
0	0.1874190679
0	0
0.6319850905	0.1487314769
0	0
0	0
0.4485966814	0.6334369083
8.2633342661	6.3202570229
0	0.2422795984

gene_expression_table

10.8942482634	15.3831252529
0	0
16.802382435	32.6227728185
0	0.5140770454
260.4425889224	186.8198522584
0	2.3146941681
22.6779347337	26.3039284164
4.4816419522	2.3730983253
0	0.0147789007
2.5430767335	6.8826131949
141.5224761205	123.4353108123
8.8563735268	7.1029401408
213.7733484206	571.0760036867
0	0.1915071207
63.4912001274	155.7844944135
46.0057589103	129.4966542828
9.2454502431	12.61978968
29.0217234437	33.8297310681
18.5182667038	23.9695059122
3.5839836977	1.686910646
4.9446274159	8.0002274223
501.2928689505	249.7123691737
0	0.1321567751
0	0
0.3603565386	0.3816286564
0	3.5603887351
357.4970419172	264.7554975038
4.8021967525	6.6396299992
17.3566014892	42.4809371801
43.4731271622	19.2439730596
15.0622292268	22.1546721627
0	2.5850195727
3028.7197379734	3977.0567954739
16.7637167116	21.8445850501
26.056653051	14.9697264209
18.1833309861	21.6340779008
28.9510713079	30.660074842
221.9651411118	88.1504664338
0	0
0	0
155.0898386066	144.6647863355
0	0
52.0836768442	29.3754481003
0.7598332913	1.8776025859
4.3967198845	3.1041743795
4.2839370645	1.6130919447
0	0.2852070175
0	0
131.2472160965	138.4182668873

gene_expression_table

6.5819120169	3.6278935918
10.2737055279	8.6890247322
0	0.2076482103
2.7663558856	2.0616097469
21.9288965652	34.1899699834
10.9334314558	12.8653779394
43.932267481	70.6079904873
0	0.2080338451
26.5651798722	23.9133410729
2.0929618605	2.5243597212
10.1487808546	10.8397331741
3.0484426546	1.2554867575
2.4402104678	3.1585374685
1.9603205618	14.0709361531
45.1918676204	82.5812319151
0	0
2.0639581435	4.3715902931
64.423060871	34.4798077923
0	0
0	0.3227758056
4.0448280398	2.5384280201
0	0
32.4156406694	37.0895460411
7.7150203332	7.2626167035
6.6059360246	5.3440821815
7.6352588297	6.0644804298
0.9605746147	2.9388032767
38.7130287886	28.5745643788
22.7209054318	92.5723904276
26.3568468331	0.6202824743
19.9044096738	19.4260971015
3.6240223079	0.8528780162
38.2594339696	9.90437975
0	0
125.4486076283	59.8587548952
0	0
0	0.2051195698
1683.9281483815	2864.2466473201
99.9639036344	36.892295557
13.5445179001	8.9064430973
0	0.8591906865
107.5195109312	146.7612262004
0	0
7.3809640585	6.0796306071
0.6912714885	0.4677163498
20.6155529803	13.8167058048
2.8490107767	5.3638933824
18.7029664631	25.492364026
20.3312362946	5.6818984041

gene_expression_table

3.5445414707	4.5045341065
77.0581349263	88.7031898277
0	0.5233499542
1.6463486197	0.1937259798
1.8175768042	1.4971209021
29.2889361898	17.2321578568
0	1.842325099
0	0.4701169218
0	0.4289672799
0	0
1.9321619828	0.8336447612
0	2.327011411
0.6320264292	2.7517123031
35.7553765569	28.7870505017
13.3766775021	12.0675998311
0.5989041466	1.0570965154
2.881723844	0.6781853715
14.6548332392	6.5145339338
66.9010290239	29.802088079
117.7318369768	56.1337235417
0	0.811423197
41.4354150214	38.2555609731
1.4315226562	3.8742899861
23.5261076352	47.6442279173
0	0
0	0
5.9710386531	2.0074646222
0	0.2392126605
0.6170127745	3.3397814603
3.5148854307	7.6515419588
0	0
0	0
0	3.8136389293
0.8261656234	0.7777198241
9.1848099325	13.6898464718
6.4974917955	5.2754667811
0	0.8837759622
0	0.2999150027
0	0
2.9603002601	1.5675245065
0	0
7.7769433412	9.5578528784
1.4975852525	1.7622098193
1.1090932104	3.7847056343
0	0
3.1391149534	2.2162795148
164.2688893659	18.0530552949
5.2988319435	1.247027996
0	0

gene_expression_table

32.3518528427	20.3031745606
1.9942046435	0.4693164544
12.6203037375	4.5169729308
4.8437735622	5.5571805922
11.757152767	13.8346514953
9.7865873764	2.5910742492
0.7142402047	1.0505588079
0	1.3905858742
54.0467072661	156.6256213515
18.9645143259	19.3401518876
1.7884759281	4.4194523532
8.9624525081	6.9604427396
2.7857633124	3.0594760185
1.4466866371	2.2130125887
162.4986554169	99.5284555431
2.1611921713	2.0662497666
5.3792178422	4.7472976008
1.6421516059	6.1834277384
8.1694525885	4.3258507624
59.2786506075	40.4568778974
4.7383053938	2.2700526532
0	0
9.6074441188	20.7887998483
0	3.3660044837
1120.6261377027	1023.1163366465
6.6700630246	3.5319009331
11.443280591	32.6533957699
0	0.0723222298
0	4.0834218645
0	1.238827057
1.9725262936	0.6963220019
6.0580702098	5.7503526018
0	0.2384101018
10.7479644594	17.1639740445
0	0
0.8344058764	1.1782153113
0	0
1.7575226318	1.4476548457
0.481463964	0.4532312393
367.1070589574	431.2592023787
0	1.4667526666
0	0
0	1.5075948403
3.1597187865	2.9744349912
0	0
11.465770815	7.9264219889
6.1539177129	0.724132012
78.1327766767	50.6056871485
58.7060884736	43.5732252292

gene_expression_table

1.6095538547	3.2039546962
0.7445230428	3.5043235487
156.4188676074	63.5837460852
11.9217919013	4.1180090571
46.4638319307	28.7892938681
50.7838452112	110.1776935995
4.9918863669	2.496431667
0	94.8610778038
0	0.9301192534
0	0
2.8908628677	2.1090420678
1.0066069433	0.8291326625
0	0.0516409036
1.6584998368	1.5612465162
15.3899179061	10.4540218986
0.7352880336	0.0865214044
0.6097318135	0.2391573117
1.9460414318	3.5111931569
8.3795161296	17.5511268771
129.9308697966	134.9904738247
0	0
0	0
0	0
0	0
10.8607850585	18.5514602849
2.8671869582	5.7354961963
9.2686862568	7.1982707751
3.3109377667	0.9090627559
0	0.3452973276
119.2891364077	100.0119339465
0	3.1382612206
0	0.1879768166
275.33164877	723.6463623873
0.7720208576	1.4989220218
116.4003890355	33.2637628203
9.2872165023	3.9341791536
10.3207355372	21.5129692757
0.6743732586	1.1903033662
0	0.0481199329
0	0.1596654649
2044.8816623784	2886.3453398739
3.4766286045	3.2727614296
33.1709456696	49.7661563825
4.617092366	21.7317457965
0	1.9413946476
0	1.5975199574
0	0.6414090828
0	1.5721950571
0	0.3439134227

gene_expression_table

0	0
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2.4487653767	1.2486345157
0	0.28842663
131.6047405206	151.1427824546
0	0.2349006302
4.1587415206	12.2339865649
0	0
0	3.5866806795
16028.177369669	15992.9566394625
6.1278180183	13.1593606728
23.9974952433	22.9936963624
0	0
79.8547111489	66.1630587537
14.0646580044	6.068294774
51.9484948872	6.1127837387
0	1.7966275447
3.2147938279	8.0700812508
1.3580669562	1.2251628679
175.1826864412	438.9013357695
0	1.7681582749
0	2.4897891475
0	0.0763456623
0	0.7483809613
76.3827671859	115.2093901043
39.0072466235	10.4549680496
1.5018916685	1.7672771825
3535.7751598943	7064.3262662794
2354.998434887	3669.0286395839
32.7771139472	56.4069539452
0	0
33.8330799106	13.6625532456
3.7191763083	0.6564536809
0.5480203073	0.7738271449
23.8971641773	44.9917009223
0	0.8761869794
52.0885177845	27.7619434613
96.1326132633	75.8413665891
357.0808874445	168.6262520767
8.3802428873	10.8471426967
0	0.3858085427
0.4808130996	0.7355051294
0	0.6490216585
5.2451389029	15.7384963028
25.0746502919	39.7187565013
21.2594500529	9.2916618451
0	1.9510558136
8.5311849276	5.4208723178
2.907010996	0.9121819388

gene_expression_table

70.8642147918	45.1674062778
110.7440693298	25.1937768759
3.9049547563	7.3978912802
7.5714405504	4.0586904176
0	0
0	0
0	15.1459346404
8.0214587693	3.9778041241
0	0.2250549833
15.7598342571	4.6361525382
14.4242135458	1.2729738109
0	0
0.3765777442	0.2215596733
0	0.1887047842
0	0.4609680825
1.2771898351	1.3901550713
869.9023519102	789.2357296574
0	1.8910233271
64.7669546646	35.882834414
0	0.9797309568
0	0
1.7918256929	2.3192870708
2.4773847956	0
5.1500861947	3.838070131
22.0161473188	15.1513298799
0	0.1244843461
0	0.5983778619
1.8258541287	2.5781808966
44.5314693757	41.5993561538
15.4228572211	88.9256360641
1027.351719236	1629.9113113766
29.7954620553	16.9458334762
0	0.6098030439
7.3179362295	13.9929102339
21.8745979178	39.092408832
3.1334191057	1.1061290648
18.8216096916	8.858961547
28.7183519425	8.9090395802
5.6692460788	2.8590028299
0	0.2089840594
6.3070626952	2.5975340822
19.8460603136	0.8603691074
0	0.4392419453
2.3154613106	0.9536118413
2.4433986722	0
0	0.2393511448
2.5589036147	1.2044256095
1.0889687872	0.5125561931
0	3.4702664179

gene_expression_table

18.4679282283	27.0088101952
0	7.1678612523
13.4391599833	5.060438654
0	0
0	0.035886618
0	0.0780194727
0	1.2108389514
2.223574636	5.0876041498
1.1987370571	1.9042491121
0	0.3746374317
3.0324573854	0.9515453712
0	0.2112948849
4.6857563382	3.492031155
0.5401470246	1.2711829112
0	0
1.5037615826	4.1287808615
0	0
0	0.1884363415
0	0.0755316399
0	0
1.7253551268	1.4211587747
2.205360632	1.8165347903
0	0
0	0
0	0.0737818154
53.4228900609	116.0865623971
0	0
21.6889338923	26.0885285786
129.1934533188	109.3577933631
37.9224612336	25.7240729513
31.9908450427	19.1006689428
2.1448213205	8.4547736905
9.4152692317	7.2013208673
0	1.5556096045
40.6496426126	21.5929429066
115.4870922194	101.9203185112
1599.7293946624	1621.6885094214
0	0.6678283556
0	1.2361813269
0	0
0	0
25.1075699614	21.889491217
1.8154765464	1.0681363854
0	0.6824596491
20.1720669082	126.9902108214
0	1.7277109415
65.0176575669	58.5507643191
0	1.2911398767
0	0.8664338163

gene_expression_table	
0	0
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0	0
1.1436846836	0
76.9514062076	8.3987277961
5.4063898316	0
3.7095383622	1.1458169346
0	0.6341380269
1.5736840471	0.3703510669
14.3935013684	7.5847610664
1.6009311654	1.6954353373
11.5856355504	11.3322874795
38.2853889197	18.8392787421
6.4783238679	1.9057622786
21.5732524042	4.2308773582
0	0.6190160748
0.6838230749	1.8507069238
36.7252757469	29.3859706296
107.0183585659	75.0849230045
15.9603899059	6.1349973565
0	0
1.5353624993	2.0776616878
17.6482557973	65.41515968
0	0
0	0.7477657188
7.705279146	3.1733829457
712.8272184361	1030.5593160761
261.7931724862	93.4093904327
6.6599104301	10.9714110434
7.1082050385	5.5761538764
16.2461875562	25.8078183569
0	0
20.5146922485	48.279311057
2.3190735747	9.5509953531
57.394832486	67.5365473948
0	2.7546402796
35.2735021346	13.0448558324
0	0
18.2378634372	40.7749674074
39.519100405	62.3128923936
3.4669609074	2.0397878999
61.7138165419	22.5558081923
15.0292831171	11.6057615726
0.6447846284	0
0	0
11.3638764506	4.3458619506
12.5970476495	8.3236601919
1.1825018927	1.9171102202

gene_expression_table	
0	0.865526901
0	0
0	0
0	0
6.612887143	2.2566030515
0	0
0	0
7.0100081973	3.1963644724
18.3434647347	19.5462086578
3.595319088	2.3973484876
4.2478399981	4.1653640658
10.6615605837	1.2545467257
3.1281778608	5.2759989577
0	0
0	0
8.3177217065	39.4761293608
11.6257121961	11.7989872916
0	0.8387265974
6.8747207748	11.7875421141
2.4387733592	0.5739413303
6.0173875442	1.947182863
5.5219087812	3.0322295181
1.7761801561	2.717042478
2.4639602318	0.5798688132
0	1.0546288401
0	0.5763415412
0	2.6013219078
0	0.2073830872
9.8696834004	2.0323913248
4.8478745934	1.4261245223
2.5243080267	4.158497513
0	2.1936005009
0	0.2044740177
0	0
0	0
0	0
0	0
6.9527455053	2.3056395
0.3958629186	1.1179493459
0	1.0740771333
0	1.4816938495
23.0951181333	36.6876605146
11.3782619513	1.6066572427
0	0.8484908772
1138.5654197892	1392.2546326049
0	0
13.3182909015	9.8507476848
2.6082926303	0.306918012
0	0.365000891

gene_expression_table

8.8727456832	2.7841512712
4.2382133412	5.9845310204
14.0718270575	11.4252481617
4.1141482663	3.0660437473
204.1683122252	103.0141541334
247.5712454048	294.6786449154
207.1575508213	80.7898449895
0	10.2885295134
2.9109520132	10.7326682955
525.32185841	206.8730856275
116.1647751707	117.652058338
0	0
0	0
86.7454874166	37.3374073072
44.9228329386	44.0820773024
17.1287868801	23.010814378
7.5851854175	14.727065142
40.0455537852	29.9558975754
0	0
15.3578956513	21.3245454178
0	0.0978697863
12.7701508662	10.7113023674
0	1.800439866
0	0
0	0
0	4.1179926671
119.0031895606	91.53714277
35.5361119218	19.5731531426
1.1253692114	0.2648445785
9.06611682	0.8728451383
1.3738444929	0.1212452973
0.3368750998	0.1585604847
0.3440420171	0.4858014351
25.327997682	16.5906016724
0	3.8070086491
11.8578421456	10.6223849485
1.9185426002	1.806040546
4.2836521841	0.4536519397
0	0
645.628674498	372.7027700653
2.7150526996	2.7155840652
491.1977438772	130.7272297192
198.7470699147	259.2013097824
0	0.7102834491
0	0
19.5529579407	143.4164209094
14.1024720334	6.5504173571
1.8829189378	2.3720298624
0	0.997932512

gene_expression_table

295.6996234624	127.9227920107
1.4769261415	2.1289277769
37.5857153313	18.3712746473
0	1.2424855027
24.243596443	24.0898552913
72.7983428513	56.6592089125
1.3737712446	3.2330355453
0.3660908954	0.8615589258
1.9313573847	2.0958697506
0	0
0	0.3337181613
44.573965418	26.7019313994
0	0
428.6848331608	124.9074175782
43.9427888534	45.8316622638
8.0789465293	10.9324786095
19.7696573893	23.7282318343
43.7874020348	17.396502362
8.0991706628	8.6545435142
0.9918057994	1.1087057781
0	0
75.1062576683	27.6916468161
37.1921039324	24.3827887496
2.0800711777	4.36252537
34.6595047157	26.4585344884
321.252697431	93.5303054306
4.0754228559	5.3710199015
5.5136720355	7.0342955485
1.3546793851	0.5977696371
0	0.3240637809
45.5523849251	11.0776494184
5.379752662	3.7982156744
37.9518198666	20.0627453625
2.7776977554	1.4941802387
13.6484498185	8.8866120825
0.2054066791	0.6677023581
0	0.005518
3.585978864	55.2770787071
0	0
0	0
38.0461889235	15.2832043128
0.5986444069	0.7748679117
4.2515392235	2.5639297523
0	0
0	0.0284022551
0.3097574831	0.2824812143
0	0
9.5786750613	2.9949281457
0.5786573272	0.6128159048

gene_expression_table

0	0
0.0187827511	0.0132610074
0.3206335422	0.3320149865
220.9207734131	149.0423910835
0	0
0.513166926	0.1509609878
25.2256679038	25.8999288482
0.5633571436	1.7898376198
16.9293386755	24.1539299634
15.4399716705	10.0934597664
0	0
18.1795297253	4.7062109235
0.837225548	1.6747788044
0	1.897004874
0	0.2712935672
3.3588945709	1.1857242154
0	6.369028711
7.8917894668	4.6009272913
5.8185855713	7.2084487848
0	0
0.0378731295	0.0178261373
0.9471026391	0.2600398424
66.2295621475	18.2306105968
9.8023259743	6.9206431039
0.0627020681	0.0295126304
0	0.8038018914
1.0168418498	0.7460645732
1.7619292577	3.4303089172
8.4854050487	2.443644314
0	1.1279541423
550.5573628505	351.2667200135
296.7897166407	140.8196402516
21.8873428537	4.3585138628
0	1.74171613
38.0710009812	160.3774797439
0	0
0	0
442.5260140219	673.961403078
102.4011722852	89.8032835992
18.598387098	49.4595071003
7.156022995	6.8065694139
2.3216274671	0.6829652456
5.4215573841	14.0822683735
18.9060706335	10.8453097002
0	0
24.4220763109	17.0372188766
3.2602007757	7.9602830331
27.6779862893	13.3160673502
0	5.8572265029

gene_expression_table	
0	119.8760022716
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3.5697796917	1.9475336382
22.8068987792	40.6542721512
0	0
0	0
0	0.3674683753
84.068206994	69.2461906427
0	0
0.8862979315	0.2085815035
8.1705216948	18.9538262905
5.3537901333	8.386621168
19.0205119075	11.6383551812
16.328020361	11.4540202252
2.0213915481	2.6957162088
9.0371892457	9.8505052287
1.088608392	2.0815704088
38.352216662	16.2354636594
2.0570595353	0.5325196087
29.6567453996	28.3631888069
0	0
5.7187097945	5.383368479
2.151028506	7.4035173487
0.845652026	2.6156374018
2.2248261683	2.0943638506
0	1.1212798574
23.0078689692	9.163297393
0	3.4910331422
77.9253178635	60.9920650954
22.8860961592	22.0193076509
5.0836447596	5.2092632064
214.4616279221	198.2941413002
1.3994718364	3.0190594142
17.3249394759	21.1544490919
0.6504971791	0.8572934438
0	1.9056824226
14.940873321	20.8195320011
0	0.8407733309
1.3242541011	3.5644989532
12.6900558814	7.2173263623
3.3115549069	3.6300924681
1.822238576	3.1305752986
5.6024178577	6.9219882684
2.9916597892	4.6015200676
2.4154540464	6.4661569627
4.3867251034	10.0140144111
1.9222575994	2.4881143376
140.5799567274	100.0217295218
2.1163025195	3.4863569228

gene_expression_table

0	0
3.4069500445	2.8791628764
30.9573883411	46.7730188262
0	2.6042628946
9.4325633731	19.3361580257
32.5455765124	1.5602239932
6.9291753399	8.3759364117
1120.447991339	1548.1382978728
48.4019182377	36.8149692817
3.4667471123	3.1614762758
121.9582564994	117.4159492659
0	0
0.1150911511	0.1625134246
10.216920171	5.7925427373
0.1738509781	0.7364541289
8.4923613712	12.5467274042
690.981973025	129.9593588519
1.7204142766	1.214647751
4.9145005706	8.74663161
28.9385906991	36.5285776184
0.6722229085	1.0019399943
0	0.9675034254
0.3169981316	0.0746023933
3.4831037456	2.6185315303
0.2466066906	0.6384010581
17.6022865158	14.1354582961
0.6998457284	0.9882108648
27.5675322369	20.5445342201
2.1691977099	1.7229353128
0	0
0.7659165351	1.7123837924
1.6403395381	2.2004153534
0	0.0580209112
0	0
2.3175439345	2.4543502977
0	0.0743098445
0.9110677424	1.1363774251
4.0271829488	2.7484979358
0.4941066401	0.0969026161
12.281665919	11.0514120753
1.4983206341	1.057845086
5.6955025341	11.393234413
7.4741191607	4.0646248321
5.058461403	4.5237447808
0.5554790985	2.4511226995
0.0893039553	0.8827059265
450.9802461055	127.9149500005
0	3.0571064805
0	0.8536189612

gene_expression_table

3.0683007706	3.9314029352
32.8082494894	25.7829553335
0.1248657002	0.33793802
0	0.1498349774
13.6147950529	13.5640578155
0	0
0	0.4845419882
0	0.0590292829
3.0972604068	2.4296992743
18.6562018246	24.4992894141
0	0.8599944208
12.587519915	31.5278576675
0	0
214.8702461411	106.1919593132
1.32099529	0.1554416263
19.9647633007	22.5033935209
3.9159088865	3.7463850437
49.8491146123	110.4716153218
0	0.4511518188
11.6932947821	7.8625770006
14.2992897268	7.3422485159
0	1.9472965539
0	0
115.8085515258	218.7054213789
0	0
0	0
0	0.0273808902
6.9403253135	13.5333663686
4.4100502278	48.2605810641
3.9206411236	20.9910686875
4.9269781625	1.159515865
2.6901081293	4.3261183974
8.8911157571	74.2815017739
0	1.6150252491
97.9938877854	48.7444466111
0	9.099130978
0	0.9334792901
11.5838993544	9.5415488419
9.559653771	5.8119071708
78.2688846406	38.9192810495
0.5024528769	1.5372154733
7.3356767575	3.1388716278
0	0
0	0.0674934494
27.1743432475	31.6715384065
2.3562855242	1.8299444772
2.0248156012	0
0.1525689436	0.0718112014
54.9729947792	21.1310111869

gene_expression_table

0	0.030914932
1.1706742472	3.2907741519
0.4986379935	0.7627720673
0	0
1.5184128308	6.3540146362
1.176570853	1.0680211853
30.1027776347	11.9717269459
6.7482005307	7.7045409244
25.7321439388	19.9107595739
7.1688537522	3.3742384827
0	0
10.9827359094	6.4616972656
1.9439044484	1.9442848919
9.5407751657	6.7359828707
34.2149776138	52.3390306108
3.2693013192	25.3901313402
10.5400149806	10.901095906
5.8499687947	4.5682491973
1.9284984463	0.3025687647
238.3519177178	121.8960992592
1.5675567893	0.1844545385
7.7878778504	15.4871640236
0.1824871347	0.214732764
1.7411334443	0.8195172721
0	0.0823469292
18.4577455513	13.6732517326
17.1160540725	10.262051621
19.0080394407	5.2189143788
1.7577924035	4.26606632
0	3.2061690853
0	0
1.0738508042	1.1793610636
0	0.004348
5.0727417033	4.7752795244
0	0
62.8528699711	32.9971033138
15.8774489868	28.0245112554
14.3153201301	32.1043007736
14.3076308722	11.9721253085
0	0.0934035264
2.6892346365	0.3164424646
9.5406366285	17.1699030959
0	0
0	1.209422163
0	0.0232275667
40.0624071863	37.1342441281
293.0618034494	79.9992168011
0	0
0.3060391179	0.540174729

gene_expression_table

5.6844649294	2.5575261848
7.482634954	3.4485556003
3.4174223842	16.6481148409
14.4679494632	13.2790696235
25.9408335116	36.2797595425
20.8152090673	34.4538719816
1.601329143	1.1305712052
0	0.4278776086
1702.0523121583	948.4058516678
21.9102495443	20.8598272541
0	0
1.2063256442	1.3276354044
0.8232210652	0.7426584356
41.4557138257	11.2806000374
22.3021813018	17.7140218901
0	0.2044241242
2.9829189007	7.634256885
0	0.006608
1.6986443781	1.4990971954
37.3845858122	38.7116165884
462.1656648522	160.7847359139
1.9927137839	3.7517247622
2.8219684723	2.3244288632
0	3.0330436593
176.0158786659	32.0698887726
0.9951169827	0.2341909972
3557.0447433211	4018.4667803319
1.0359622654	4.0227582918
6.2423054699	4.2497957964
0	0.0842174568
4.6431619649	3.2781675408
5.6160535013	1.3216829705
54.3443197358	36.6629503876
35.8023410709	29.2422357228
4.8115628097	22.4583542653
26.0768926624	21.4792909857
0	0
3.5302373342	4.3806168545
93.0241652934	228.7747714035
39.9799212109	59.0193466255
26.9978014666	13.3646101356
100.2802513196	36.3832888125
4.1055534519	0.161033606
17.0453135053	17.6503665003
0	0
319.3041108154	491.7102160816
2.1572717234	2.2846170972
0	0
3.5888646957	7.0383668156

gene_expression_table

6.3587861009	10.0724466282
73.6528495035	31.5600044082
1.5080251871	0.3548988998
0	14.4342881641
22.6817372043	13.5874424716
0.6733159158	0.7130622611
56.7209864926	18.6882170302
410.1862076618	412.7069339722
0.6538602638	0.2821125704
0	16.64494491
47.7283458611	41.7326746344
25.023614102	11.0003224787
22.6690122025	9.5100910473
0	0
8.6840204155	19.0745222954
11.1420895399	13.3731242032
1.9326128507	4.3208036001
113.2757332828	51.3172852902
8.4584943528	4.5341979176
0	0.2631216245
11.2944711269	8.5278870743
0	2.1230354239
22.232335534	25.1434430708
6.469377779	2.2837566732
41.4655693121	20.6259500851
0	0
0	5.2274840248
0	0
0	0.5394912339
0.4775854105	0.564932916
0	0.6856491937
96.2156136378	93.8305216358
0	0.1185216069
0.8473948738	0.4985651284
0	2.5818636075
0	0
0	0
0	0.1113145334
48.0160015688	30.1335835784
4.3304963805	1.5518718808
0	0
0.9010689733	0.2423516833
4.4468731324	2.3173117053
0	0.005075
2.6111120251	6.2474119983
382.1735715139	141.6262249078
6.6967777703	4.7280624023
2.8596977903	4.2414761856
0	0

gene_expression_table

2.0757078516	2.1982384487
2.9814922393	3.5784909001
4.2587614996	7.3498893877
16.8199599139	8.3735642269
201.2543429757	144.8221863139
0.1963527378	0
5.3052101464	2.8812208693
0.0479381824	0.0112817799
0	0.030898934
560.4411199218	401.7891386721
3.4780222366	1.4510097757
15.7769895688	20.8273814351
9.2535800574	6.0382765366
0.9428475989	0.7766146908
0	0.1315578523
0	3.1892784723
60.0863798202	24.5383406486
0.9723679228	0.8924651955
6.1090116221	4.6725114057
0.8352714427	0.4914323026
76.3157353587	416.0769919598
8.9314376952	10.5753153955
26.913947343	27.839844476
10.7602328005	11.1421859444
8.3715301066	23.4448718197
19.5183975403	8.2299544385
31.227458542	14.6981506348
75.6693857713	39.309612445
20.7831225288	10.5973909877
0.7359881212	3.6373589189
0.6755309944	1.2895010154
296.0586694588	314.2686513499
24.4646381722	13.1833940466
0	4.4725172395
10.6071648665	6.9064077399
0	0.8659388998
0	0.2773623896
3.3284595056	5.3680473686
1.5516974545	2.2953966421
1.4707999161	4.4132633035
172.2250654097	74.773584491
0	0
3.2326832803	3.9362107241
5.8188791963	4.5915713059
8.9557092295	5.3310846269
0	0
0.3781547091	0.177989985
0.645864805	0.4939932766
17.35392953	15.4611474267

gene_expression_table

9.9647076351	15.6281395071
5.6201995811	6.96939397
3.1005111564	2.8578930224
0	0
0	0
0.2639572761	0.3416586223
0.3277785521	0.215990486
35.4060890391	62.3778330639
167.6464006523	55.5173185654
2.5312699881	3.7893743351
1921.9798364	818.1162250428
26.3475636172	20.7979800986
0.9673786748	0.9106522367
0	0.1959124279
0	0
0	0
9.4652949924	12.6390050418
0	0.1754324603
0	0
0.9512830785	0.8955004753
3.0875732204	4.095550899
13.9275174524	2.7956889509
0.2414458145	0.1704656951
0.5537150581	0.0868742629
78.6761937834	53.2325472448
4.5427456742	2.1381810539
0.441015087	0.0518942822
2.125970992	2.029101385
8.0738834753	42.2774272028
1.4284364139	1.8115745037
24.6872192821	5.8098943158
17.0554052385	9.5328270649
0	0
7.1546982962	4.1329339215
4.8967034329	5.6659224417
599.805939402	213.9617801108
3.0584537625	1.2596097852
0.0940322028	0.066388663
32.7996957507	18.6752077865
46.5109201406	26.1017322716
2117.1071593946	2273.9555507825
29.1875931729	8.5862663252
8.2075524572	4.8289169208
1.4356017393	1.230756602
19.3894716703	5.9890969774
4.738803359	0
0	1.8617849956
35.3313589623	41.6575885235
35.0555625227	17.5854878378

gene_expression_table

5.8201088818	1.8588858972
11.4653456529	4.047384546
0.2713032505	0.2021870825
0	0
56.3643590676	18.7348173592
454.0480291556	355.6406147911
61.9818877276	41.6098614293
540.2401425195	581.4545399042
17.6184421563	4.8780319112
0	0.2521713946
3.0515716076	3.0820920576
8.8627576018	12.6093845426
0	0.0418838052
14.0249882777	5.3635450173
1.6714459401	1.9667918358
0	0.0975904704
0	2.3675199388
4.3072775671	8.7851870012
9.8229881241	7.8243631855
4.1214602278	3.9606093196
0	6.8778582306
1.4295048031	0.7475997767
2.4164896201	4.387091694
5.8339139919	5.4918171792
52.5320711407	64.8680209849
0	0.0719469579
31.4368169216	14.0568569316
0	0.4486004243
23.6619332805	14.1671820183
2.2436828164	12.4086742003
0.0974982725	0
0	0
0	0
26.8641983536	28.573977401
2.8418603883	3.0319110098
26.7036234884	14.6449785016
0.8157004148	0.2879506081
28.002742668	17.8628296012
1.8365255498	0.4322082301
5.634269499	10.2762669302
0	0
0	1.1060095091
9.8831435892	6.2024017751
0	0.1912494155
3.3638448409	3.8790742572
1.3375443036	4.7216685025
152.7655343719	120.9918581292
2.4103538842	3.8694764103
0.5740278852	0.9456427297

gene_expression_table

111.0357104029	29.9419572164
107.8424450823	43.0216171987
17.8230805345	5.0489192417
3.7401408197	2.4755775925
21.3675808249	32.6862252987
0	0.5133661927
0	5.5372294256
0	0.3382478228
5.8094485406	2.8027530124
4.4368821256	6.787147781
1.4535419404	1.4025148941
14.3724905107	15.543045095
1.5364000714	0.2711824874
1.1556766729	0.6346133302
2.4426265687	2.0119685086
35.5236031214	14.6302287275
69.3798987758	28.6733449486
5.97663144	11.533639832
0	0
7.1895681008	10.7441629134
42.8123587721	34.4891008895
0	0.4189615209
13.4677260423	8.5576416295
2.9112443655	1.198982288
2.1185258919	2.8668018674
2.4128603836	2.7540383867
4.7314029964	6.4552277715
2.3997814533	4.3063328862
5.3201299686	5.6967832596
0	0.2801990698
1.1524145804	3.3901180016
107.1770141956	33.9541144528
0	0.1241580972
3.5661266097	3.7766377481
6.2407739146	3.4047247105
0	2.4663292308
0	0
11.6589505606	10.0301841611
146.792797885	147.3295598139
0	0.8734225277
330.4198355796	191.0700316241
7.620205086	17.0367332275
2.9921097603	4.5066471139
1.5137345699	2.0187077659
4.2934548096	4.6311025436
21.946919418	12.6406375507
1.4502694257	1.1945732725
4.6815940804	2.846231763
0	0

gene_expression_table

11.2074466186	8.101084398
11.7870326917	22.1916979643
0	0
0	0.09480345
0.8422061013	0.5285464661
0	9.8015325465
0	0.1199744403
55.7715442945	19.1410399898
0	0.9565487647
0	1.336834539
0	0
433.6570007976	415.6692942291
0	0
4.8730369248	4.5872853004
7.9821726964	37.1008856902
0	3.092765115
14430.7385820889	9897.7615571337
0	0
226.0348735475	346.8427003852
1.5004026665	1.6976202622
0	0
0	2.5871831368
1.0522359913	1.3619836682
46.3450119597	5.5746085768
2.4519241386	2.8851811848
54.8116395484	67.1354117359
81.041265749	72.5216991603
0.4270116691	1.8088739577
0	2.7353114083
0.1602046002	0.0942564435
0	0
0	0.0185810284
34.5086430322	9.4748147949
0.3579138055	0.2105787371
1.2930324459	1.5215123607
0	0.007068
0	0
3.69287982	5.504192046
6.7215165182	29.942024842
50.3157450944	23.2597275977
1.87893438	0.2210943657
24.871470661	10.7080155093
0	0
0	0
0	0
15.9997493346	12.5736919482
0	0.1166376955
9.2832355803	7.6044999389
6.2390521399	3.2302590636

gene_expression_table

20.9193602216	11.8976505243
269.9628418819	232.5765281442
0.8276742815	1.0713175214
0.202872681	0.7639054508
1.4398420518	1.2283409264
23.1657157732	2.998502884
36.8465752092	13.0771500445
9.393149756	4.0527399641
12.6920005898	18.9297166729
0.4897199792	0.1152507818
4.6123338196	2.0722559697
5.8273170292	23.5709678276
4.2697842291	1.2201771065
4.9365225046	10.8431122994
1.0719347736	0
412.5171121093	300.2069397092
0.3888532527	1.6929866064
1.1775142236	1.139256288
0	0
0	1.6986719752
4.2848869397	29.2437742673
1.1050027217	2.3404637284
49.5508720463	44.1854343802
0.8775641478	0.1032630467
0	0
0.6813397771	0.4008665428
123.8771801157	151.0669771499
0	0
0	0
6.9950719365	3.6665840267
0	0.7967608797
1.1084252544	0.1304284924
2.4400050629	1.4355779992
0.0902848498	0.0531191291
0	1.6199149071
2.2280068366	4.5617536644
0.8283612713	0.3898933603
13.8578989588	23.6445718798
1.6492993171	2.4744331546
4.5592910564	3.1518914398
3.5322317854	48.6296471288
4.7225904443	3.4453871982
15.0652735072	15.232363798
4.2017164982	2.2024000235
0.7893102249	0.9473576419
43.8702385881	20.0957641507
1.1230475141	2.6429818983
0.3787105138	0.4159203798
0	0

gene_expression_table

63.3794618424	18.2110695471
0	0
2.6821429699	0
0.2828680806	0.1830681089
43.7903550961	20.7032735372
29.6074154711	34.0857933492
0	0.008263
0	0
0	0.0139986121
8.0240162342	5.2520383043
3.1732085547	2.9404597639
8.8187587913	2.24835885
17.9602158542	7.5833050714
0	1.5146240347
0	0
13.4647768562	11.0908099326
0	0.2080852444
1.6650330768	1.6927883834
1.4058518913	3.1431074833
0	0
11.2194855941	12.1585959444
46.4105566064	42.9305817793
26.1985681185	10.5043136509
89.3646378507	130.2690384078
11.8544078228	6.7209259531
182.6951999874	77.5788711101
5.0332594391	3.0459294474
68.3881740735	29.5065546
117.6839294842	67.0058604493
3.3130190465	3.3136674407
0	0.7093180819
65.9758709162	76.9172422241
3.5172311044	3.7248559043
0	0.8406348762
84.514204595	31.4046111283
0	0.2327011411
13.2110566565	14.1636426255
25.9758344325	13.1988621815
18.8466074344	25.2261313082
465.0485703842	446.9891182739
45.9986392701	32.4759823831
3.4001654083	2.6292137726
2.2894017413	0.2693940944
273.6994520324	192.2614778988
31.2194508854	28.4091377373
0	0
17.0441233432	5.0139585487
36.2259243509	63.1449078187
0.5322034672	0.500995412

gene_expression_table

5.458994378	2.7835614087
8.7588365712	4.1226121279
0	0.3517514
0.741665647	0.0872718587
0	0.2821109796
5.3017393959	4.3669928273
3.0518259499	0.798019144
8.4652873321	4.6485183195
1.2544873571	1.0965732681
0	0
0	2.6602885684
148.5033339412	131.3558570356
2.5288914463	1.3390869061
0	0.1737833818
4.4946714962	3.1733302255
680.3553235086	317.8038874315
9.7378886863	6.3022199694
8.6010504264	21.6586473147
40.8156296072	48.6681559728
4.9395718827	14.5309959153
49.1399188785	72.2342503417
198.4215338266	103.3995189941
0	0
35.3696138968	22.1240256843
59.0844641565	54.6265801673
0.5440705002	2.4327912084
0	4.6456416367
5.3985026813	1.0587371034
0	0
5.2968954129	8.7260057682
0	0
920.0948336775	1468.4845619071
5.4222334731	7.7840229292
3.619464887	4.2590273601
1.2874929555	0.5049980126
66.434160581	26.8562535246
642.4308830444	873.5410174933
364.6196244914	150.4690226268
0.1624140866	0.0191112792
0	0
2.941335267	1.6361429708
0	0.8424217651
1.3282042185	1.4378670937
17.4782831071	11.0615550272
1.4581116774	1.8301453125
0.2560270991	1.6870968894
3.1062632265	3.1525604381
33.9199324256	47.1260727252
1.5309027131	2.0716266785

gene_expression_table

52.6173596282	31.4821480103
2.209361149	1.4818615539
0	0.5231492832
5.3231585983	2.9926878059
21.5329798958	9.5808841564
12.1923281376	5.8937887922
0.6039767502	0.2842799788
0	0
27.5263950389	16.1951660335
116.1038457159	45.53983079
1.2912279361	0.3798472481
60.6213082616	71.4540477729
0	0
13.3972855402	29.6024101126
5.0303271405	4.3407394462
56.7768001761	39.8204686527
157.539457321	93.2376702283
2.100982833	2.2250054313
0.5800120085	0.5232504719
0.6124176865	3.1707825775
3.6447226374	9.7415851428
31.744114389	51.7199897828
0	0
14.9280359188	7.1434384899
8.7330246906	5.1380787291
0.6495526234	1.2993594959
13.8728213195	16.3241604507
58.8403134782	53.9062973109
313.7266446221	176.5190351046
0	0
0	0
1.4035714876	1.1561086204
2.0078103619	3.0319932364
50.4608932841	9.1045308848
8.4753940296	4.986501622
19.1751502157	40.1046510621
13.4710545677	19.0216814134
0	0
3.8092889133	2.9882623004
3.5756085842	1.8232160318
0.3871704786	0.227791913
7.1328173312	3.1174713588
10.3599929046	2.4381224633
107.0947741813	112.2534115358
3.7688620376	8.9805168022
0.2043803155	0.0641318635
6.5743526772	3.2601909384
0.9092812195	1.203695968
4.5479724095	6.1246122517

gene_expression_table

31.3037366599	7.7763058792
0.279523253	0.6907220159
0	0.509769781
0	0.0206297509
6.3971002104	6.210165364
31.0611920468	20.2429277518
0	1.3884207784
0.8328595482	2.4827338686
0	0
4.0095339953	2.3852222364
0	0
0.829187651	1.4879513489
5.7971621713	5.7982967397
0	0
3.7098944323	2.0954092232
4.5985976278	2.8258351415
1.7616080308	2.0728856434
0	0.0772276591
1.4483808241	1.6830070406
5.0244727811	2.2804590822
0.4210378081	0.4238726295
0	0
2.2445688648	1.479064194
0.3536109808	0.4160943368
6.4007198779	3.891395091
1.325730365	3.0419766574
65.0594998251	46.1885259445
702.1322562173	918.3526469762
32.039374668	43.7842905328
0	0.126859445
0	0
42.2832180688	40.9647014108
9.2919053242	11.2071375865
1.4166213465	1.9169804519
3.1053896992	4.0195261222
23.9978822622	43.6410525664
2.8925071244	4.7650617738
0	3.2742340544
2.8481989651	1.8768277386
3.8557143053	7.7885548594
0	2.4103832423
15.7947201455	11.1513962441
6.9996402408	6.589186021
134.5740953903	41.171897159
4.4588925007	6.8208172958
0	2.0948462006
0	0.1929042714
0	9.9704383281
14.3430282766	9.0013084643

gene_expression_table

0	0.1710512675
17.8273432639	6.2932349191
9.5348908835	17.811296099
3.5752312769	3.9545589761
4.1204349889	6.7879270173
1.0933843859	0.8148380036
0	0.9166711438
1.0297793935	1.2521336828
0.8381151512	1.1834529593
270.7734058775	495.3771391696
0	0
2.2889497905	2.6036288287
4.9010499868	6.4044825769
8.8418924314	23.9298031058
0	0.0954901863
0.3432854079	0.2019721133
7.966816036	4.9997648499
7.7026685924	16.8585500307
5.3244855816	4.7437473113
0.5737949493	0
0	0
0	0
3.8900055096	5.9505845581
0	0.0268426569
0	1.5149603936
3.1146804361	3.1381965575
0.3727210326	0.142538874
0	18.1239815418
0	0.0762432708
0	12.1746579161
0.0950492347	0.0335533542
0	0
1.5071274341	1.214805107
0	0.5046630325
3.2003010504	2.5105312819
0	0
5.4045418378	2.985445512
0	0
0.0290182371	0.1365831355
50.764345652	28.903765157
6.5898857964	8.0128015998
0	0
31.1567707601	18.1927511896
0	0
21657.3054752702	24191.1989853163
0	0
0.4554308092	0.3751340699
0	2.2177719936
9.3334170964	11.3121188955

gene_expression_table

16.3959972253	14.2160300576
3.3463892346	6.8253449531
0.1150952639	0.1083461547
7.444720524	8.954880176
0.2048323533	0.3856422424
4.200515045	2.7330497606
2.774165963	2.0518855714
14.4000298793	5.5069713413
0	0.0585723811
2.3092464498	2.487367502
0	0
6.2390745209	1.3459461047
0.8000513402	0.3765684325
3.5246440548	4.33178279
2.6843038252	4.2325542255
27.7874382594	26.6251086435
0.3092444467	0.7823596281
0	0
14.3475762311	6.7003632155
6.3209606436	5.2065157736
141.7745042516	119.6911624432
0	0.3490141161
0.053594509	0.0504517629
6.6105496345	11.6679589265
0	0
0.3338286551	0.6874288009
0.169497556	0.3290890612
0.5961512863	0
3.5683732327	6.9405475454
0.1445928926	0.1871568355
66.1698145372	94.4556333191
0	0.3072912906
6.3931275949	7.7542693143
0.4943615482	0.8725734708
0	0.0412381769
195.1328265627	72.6889028408
9.8592769454	4.8145890628
4.632638301	3.7167472935
14.1005765035	0.8296080083
55.1985665751	97.7216317041
0.088294901	0.1246760206
34.0410462432	10.3735099652
3.2028099414	3.6610705903
283.6326824566	654.8932652775
574.8772696843	489.70844406
0	0
6.6681834205	5.7540684729
191.1185627598	158.6613582556
10.9176641153	6.1191453524

gene_expression_table

4.7609296347	6.8560133335
0	0.1584969367
19.3787691728	22.690499024
0	0.5566598656
0	0.004984
1.0121426752	13.6963750244
1.979116953	2.7654839317
2.807346874	1.1011358049
0.1131435505	0.0460855767
0	0.009768
0.4167980179	2.4522328812
0	0.4759362791
10.9787751949	4.1339948656
0.0805517165	0
0	0.6352718399
1.3235738569	0.8565977555
71.9803885244	135.0732271882
7.9661634238	5.1736116618
0	0
80.5389845949	61.5564036688
8.3786280414	9.5305006705
3.7944361477	3.9133677185
11.6907683594	0.6878268454
3.3239338618	2.1963317704
100.1522926165	30.8015180612
0.3310732483	0.3116593346
3.6003428222	0.6354789616
6.4620766086	0.3801965475
0	0
0	0.0115181313
6.9955981117	4.9390356898
0.4035458051	0.5793202775
2.1119274451	4.5560291171
0.4048358667	1.7149345308
1.5578266907	2.8412987535
0.3625174791	0.0568766161
8.929558432	6.2544159977
0	0.915889647
0	0
748.4746081379	535.2716738904
12.5365373053	9.8345026223
23.0350759523	34.9566104646
17.5433887166	16.7023226888
11.2834800105	14.900059078
0.44837216	0
1.9830009592	1.7500491656
17.8569951008	21.2224644824
0	0
291.9549270533	318.2830475434

gene_expression_table

3.1716461674	3.3588708283
48.680405948	51.8555326131
81.0759294951	56.6257709222
0.6531383605	0.5892204823
1.3261170079	6.7099048676
54.1783026724	25.500661629
14.6634820742	17.4462486402
303.4732128925	295.1784975155
6.7442621291	6.5471825831
391.432252096	118.153568909
20.0699364902	43.394971565
47.839995031	73.773932527
11.4832296505	14.6946544543
4.9118461657	10.4035922852
0	0
65.8287080197	65.3574620727
65.8302652848	32.2760534271
24.2138331334	82.8870914968
103.8446487216	251.2615873073
17.006156894	17.7599036499
0	2.2500234828
16.9248906096	29.873299406
10.4515089768	15.526602936
26.7471835267	35.4076123824
7.2407509079	2.6412612715
24.2361158625	15.6852617943
0	0
676.7224760277	502.7075913118
3.3321562373	3.5288559284
1.5595868048	1.8351670977
0	0
5.1327596542	19.6290983799
0	0
3.0534761879	1.3653506341
0	0.1403762918
0	0
0	0
35.8000001816	17.6928738668
1.0941416988	0.7209873732
2.3339883569	1.6936170653
150.154157716	209.3735297341
161.4157195446	0.8834326149
18.2288315982	14.2105464204
0	0
15.5344373778	25.9567273482
6.2908940299	3.4236563735
0.6066374407	1.1183348948
27.0500026074	16.7106243645
0	0.5453784748

gene_expression_table

390.33822577	180.8082643777
3.9990874137	3.8675214368
3.4429946013	5.2667870154
1.344827857	1.2461873006
0	0.0411270469
31.6930546913	41.0225683618
1.1431885373	2.9145803009
17.1998738635	8.8929404985
43.6226638782	102.6616501482
0	0.0347694309
23.0331824768	24.9951411356
0	0.2230374042
0	0
7.4761733551	6.660751862
34.4778592293	38.5416195048
26.1146487811	52.2395194099
3.610769824	13.5961467909
0.4543493311	3.2077994274
152.6537983169	97.7973861805
91.9743843905	66.1383158609
0	0.0866655534
13.7007019483	17.3307495008
0	1.3108890569
300.7757213703	402.0344565707
0.2558581759	0.7075110446
3.7473027144	1.7637816954
0	0
0.0816991885	0.009614
26.0852734732	20.1560964456
47.3210021287	53.7870827772
0	0.123665192
3.1320648457	3.3476655191
1.7304203531	0.8435632176
7.3378038039	1.8995679723
0	7.1283873065
0	0
20.5733484436	37.1430262432
0	0
0	0.6734652897
0	2.2125570915
36.7592067082	32.1319806089
6.9388482811	4.4646633705
0.0486170507	0.0171623173
34.0705925565	27.7428991739
10.4656594086	12.6228239348
6.2157735922	2.9256423941
205.6806538344	609.3641530361
1.6172090965	4.5671311117
0	0.220636717

gene_expression_table

25.9509938649	66.5987749238
189.1957421848	183.7935926621
0	1.1100588483
10.0704676518	22.5376509703
18.9476908236	24.100658793
0	0.8952580909
29.6734588838	0
0	0
0.5584891075	0.3379755086
0	3.7962530063
35.2020767995	31.325624369
8.4542799588	5.3885857454
11.2510713193	4.5013093111
2950.8606334397	5400.9475301908
0	0.4097217209
0.7933412195	2.0724261141
0	0.0202242638
50.6764945227	42.8194214485
4.3081867834	5.7527202818
5.6397276462	5.8251722984
0	0.0733174557
165.1695734875	54.0814400781
0	2.4576660911
4.3265797399	3.7738714754
11.7281017863	7.4916821845
1569.8780758586	482.7498948376
0.276582798	0.7485469825
310.9479634369	829.3568516561
758.1880421537	413.8661322842
25.2866553875	26.3215790981
0.687423168	2.3862296794
1.7477471374	0.4113151037
2.100982833	0
0.2755790073	1.6862250517
1.5329874741	0.5669298307
7.990093483	12.8336613198
0.6480061732	2.007941436
18.5629519819	12.8209154425
1.2441818655	1.0858221327
0	0.003324
0.0686966201	0.0431121975
0.464166145	0.6504563139
0	5.8306552584
0	0
0	0
12.7846026544	4.7280051146
6.8523383753	2.5655484584
2.1935741761	0.6130303849
0.8856074469	1.6673520376

gene_expression_table

4.6947423989	1.8079551189
1.616387825	2.9616933532
0	0.6611518644
0	0.0916215621
163.2756556262	44.6008179846
2.8040880432	5.1693306354
3017.0975423725	2811.2396353358
0	2.1516073338
24.5742855595	38.4812980813
215.5067054875	121.494629128
0	1.0492091492
0	0
11.6134856358	7.7438390151
0.1632358564	0.3457435838
0	0
0	1.6365279243
0.6090784196	0.4300218515
3748.1427897968	1779.9286836414
41.3927916885	50.5498976207
52.7280766659	41.3634479451
317.4762451933	379.8606737149
0	0
0.6685176635	2.0059454992
5.9722908439	5.3878263842
0	0
1.311060203	0.8374796318
0	0
2.3756015785	2.9151740373
0	0
0	0
84.641824966	61.569738401
9.0431172369	112.0501892858
0	0
93.507290797	103.9173235573
1.1752624277	1.5212255099
0	0
43.3389551425	30.3432059367
13.1910171318	13.9696928034
10.9139570899	12.5707949622
0	0
0.4246610945	0.5246840184
172.5432151611	150.0179009197
1.8064415165	1.6080938103
0	0
8.5709038601	1.6082107966
0	0.007368
0	0
0	0
0	0

gene_expression_table

0	0
0	0.010358385
0.5576349761	1.0061266324
3.5505141939	2.1963780458
1.1438200709	1.7497142445
2.8000058099	2.1180659005
0	0
220.935899929	64.9938645626
0	0.1576125837
2.4513243093	3.5437840201
2605.0168166865	2099.4444474525
20.538751112	9.2504971831
172.6298071591	68.7002530147
19.1883893295	16.0561733506
7.4664211488	11.0114658273
72.9239248983	935.3251133407
4111.5883606581	4059.2488148568
11.7444227093	15.2969473113
104.2975178769	362.9212020139
1152.5435679388	970.2396130687
14.4500219715	16.1531852937
45.8519659198	131.9798987313
0	2.3788910795
84.2346825923	133.8106789781
35.3888504085	47.8884033585
0	0.1877037253
110.4864474843	201.5410352286
10.5598158261	28.6235891231
78.3242896684	47.3987608292
103.59530095	40.1256396051
0	0
0	0
9.7722484533	10.4864132831
9.2756949223	3.5682731837
4.6239157993	9.8257437397
0	0.084599708
0	0
0	0
3.8762738182	1.4823947594
1.9926624147	4.9240118134
6.3210912266	2.5289313335
0.950861815	3.1888076954
13.8957060175	2.1160232686
0.7451833609	1.1691438454
2.5319701399	4.0221513651
1.8221158498	4.3188002783
8.9942036266	6.8481386023
1.458478498	0.5148578606
0.5773089591	0.7472519286

gene_expression_table

32.2788537901	30.3860434039
0.3438730497	0.3156158501
6.5971347083	6.8140606715
18.7882020762	3.4543895467
1.1205868327	0.3202303268
0	0
0	0
0	0.0398443264
2.0617652838	1.9560277531
5.9213475184	4.2215789501
16.2137144244	8.6976386924
0	0.0229131224
7.6832775899	5.9998827197
0	0.8906083894
6.9716945409	3.3634755071
1.3253666717	0.7407910338
3.0013729703	2.9430984039
1.2486570024	1.836619674
27.5976379088	26.9344533485
1.0636599616	1.6583826757
0	0.035552776
10.2737055279	6.0445389441
53.90646281	20.3571758682
0	0
6.1581180228	5.2682287758
185.1261975389	87.9202629456
0.7478002147	0.3959717122
7.3990505008	8.6484257872
1.7004328897	4.1427741639
8.8567925709	24.1304643323
103.7910373068	41.5863786226
0	4.1520795206
0	0
2.1862533697	4.7592474123
17.0911573083	6.8068606187
0	0
0.2530141348	0.2530636525
2.6236138648	1.0290695431
6.1640523424	3.4374076724
5.3971443726	3.1925765389
71.5177175424	28.7898540711
353.0064467558	210.1766879099
95.7511750705	61.637384501
11.0723880031	9.8308883879
0	1.5089286999
0	1.6141654309
14.8310361459	12.2161848469
0	0
25.7362562567	20.1084925117

gene_expression_table

5.1460861722	2.2707764637
0	0
17.6697715008	7.1286976817
4.1461352179	1.498476525
75.5614471087	18.5909455854
0	0
0	0
6.9874075321	1.6444176576
70.9095348887	63.2826220069
2.9140246441	3.0860417125
0	0
0	0
22.0653574995	24.9257516414
681.5814972339	694.5576543999
0	0
56.2809746038	60.6869789565
170.470623988	60.1778777516
4.0606934436	0.9556442743
38.2071144537	48.4238825173
12.6946209353	18.3521187469
818.1349174578	788.5432502447
4.8355365572	7.0376067328
0	0
0	0
0	0.065550751
84.3750199608	92.5781214279
980.1842813174	1036.0567048165
2.1007544405	1.2359797537
4127.1529846815	5066.0006235444
1.7784686267	2.5112706248
18.7238059278	24.0152267256
95.570474743	169.8402002804
35.377281644	52.3825001019
35.5181622265	30.6491175477
0	5.4754884406
817.6393056929	557.4169080159
287.8446053872	114.6985027307
45.6717048107	27.5427407923
9.5752849559	22.0838018013
17.896684662	17.5492031764
15.251770148	7.3781168395
0	0
0	0
0.5096549113	0.8096103365
236.5832043044	132.8046023437
10.798413108	28.2931438668
1.2405212542	1.167777918
227.0839024447	173.6863816696
44.2582968257	23.3222339748

gene_expression_table

18.0212994386	14.8439746865
24.7825960364	10.9253698524
37.445120302	23.7827030874
0	2.5043563335
0	0.3111012297
0	0
0.6236082481	2.2197460501
5.2571976583	4.5122497727
0	0.5892221418
6.4354162985	3.702140318
8.2408699778	6.7879270173
0.7289229239	0.7290655822
0	0.3055570479
0.6865195957	1.0097852281
0	0.8875897195
228.867997825	469.2048400864
0	0
1.9074581588	2.468958372
5.1589999861	6.7990715509
21.2205418353	23.9298031058
0.4805995711	0.2262087669
3.983408018	5.312250153
8.087802022	15.9068576903
0.078113301	0.0214470635
0	0
2.4745594581	1.0464339412
4.6387038161	4.4030824395
0	0.1473055355

gene_expression_table

C3_U937_2H_R1_001 trimmed (GE) - TPM	LZ1_U937_24H_R1_001 trimmed (GE) - TPM
0	0
1.8778777694	3.5646354391
2.146713481	1.0187365595
0	1.0379675258
25.3858787208	10.881188825
4.4019665077	4.1779625039
1.7865495574	0.5652123166
0	1.8705256962
494.9773615375	207.581327888
4.1189148549	12.2709040778
1.4254494335	0.4509707403
1.4314737379	1.3586299649
0	0
112.1307324432	78.9477826256
265.5837365629	72.8199069094
0	0.8194572032
63.5410721077	34.9097890523
2.6609821216	13.1329746017
3.5795363027	6.0397929184
19.8378095908	22.5939814356
33.9666660866	17.6116068544
14.9274606822	17.9459346496
0	0
15.6041219905	25.9528863489
0	0.3603859975
614.8908423905	560.7144303858
33.1117322572	39.0323316246
425.5601933834	134.2739160052
0	0
11.4668690286	2.6949251358
23.8539431253	10.7562072435
0	2.1017029719
17.3103257022	15.1928253768
20.7133701673	37.4463305958
2.0039750595	3.0431972229
0	3.9454632455
8.538623951	10.4876805569
0.5919617073	0.7491178659
3.3438911609	3.8790029787
26.2891755111	34.3774726829
22.1648551785	27.782126148
15.5948542713	16.5197749864
0	0
0	0
0	0
0	0
0.0458137162	0.0579765091
7.8378632314	0

gene_expression_table

7.8741945744	7.8886927622
3.7914237592	3.7424281455
0.0876815482	0.1664393494
86.6130755618	44.0090444899
0.7903671485	0
0	0
3.0739945417	0.6483483088
14.4250825665	17.8578647913
24.8830016741	19.0591509125
0.0167248692	0
0	0.1715268345
105.8304687214	68.4852589039
25.8879261129	17.1892810409
0.1478164322	0.3741185581
0	0
33.782626386	50.436999598
2.0465253057	2.6761724712
19.4488659348	7.1900873192
40.9845129172	30.8387861575
0.8104271356	0.7842688137
10.8420799707	12.8225381591
0	0
891.2312596711	1430.292220745
0	0.2471576133
44.2965735304	8.4613720513
2.2675940824	8.3218494271
3.7233406274	2.6579535295
15.6153844387	6.9398798452
0	0
5.3231099836	2.1050964643
36.0479477835	19.2752487757
24.5153724326	21.1869875141
39.5450834212	38.962561337
0.2737622995	0.5774028596
0.3453740879	0.4251453019
27.3677455807	29.2460115639
4.7708210424	4.3674779987
0.3675557948	0.3488518884
0	0
149.114775786	135.4021850581
3.8065790774	2.4085818048
1.0436743625	1.6179222394
533.3146162788	667.3347767241
0	0
0	0
3.9409320996	10.6670349325
0.2397681032	0.9102678478
4.9017632164	5.2405510461
0.7257981398	0.4082158595

gene_expression_table

5.7096976963	3.612764559
12.583731816	3.4553175459
2.4225191908	10.729804552
17.505398511	19.5512218415
4.5306295185	6.1839219928
6.3760300093	9.1403941924
20.5903713002	21.8363142602
0.9188860722	2.1076389931
0	0
1.2508269023	1.6356643687
0.9766027669	1.1214419847
33.8946307288	30.7158224904
17.9891516702	16.3046459988
0	0.1785804598
13.5261738917	10.2702911967
11.3081783059	5.5289852754
0.7934461782	0.9789908416
0.888168757	0.2199058134
140.495606058	64.8711097072
0	0.1887951552
336.1212113045	271.3971143258
6.6830624322	8.3398436958
1.5451573652	1.4038563842
17.8079326639	7.7095637011
0.5289720403	0.5355243774
0.6904346553	0.8737337721
6.6260062516	5.3359743939
22.1416957102	15.8177159946
0	0
17.2560713698	33.5548391824
7.5849875681	8.2548629097
2.836374665	1.583552551
220.476041268	168.6631227987
8.7710334958	17.6062613381
12.4241163459	13.8452008168
8.2046256218	8.5505573439
28.6591708534	26.7381858706
0.7671781801	0.5825108691
0.3675649014	2.2482123145
71.6691184754	11.337012263
2.2040788089	2.975174091
0.1110446411	0.0926188676
0.0908197033	0.2298617005
0	0
34.1584011903	15.1102875069
0	0
0	0
0.4040170894	1.2781925591
1.475641315	0.4668499917

gene_expression_table

0.825644327	0.5224197009
0	0
0.4253299176	0
10.66688778	0
4.9902906869	3.3044291714
0	0.6203440493
0	0
0	0
1585.5793357869	814.2419216394
3.738571823	2.1543408801
1.8040688386	1.7122647228
5.4135677102	3.4253907302
0	0.3987429127
0	0
0.8776163445	1.4437918828
17.6789122625	9.6779372977
14.9610530418	10.4735568257
0	0
5.7974980068	4.5089760373
0	0
4.3942551315	16.6825741536
0	1.0625200803
3.5641715175	0.9020801608
16.7401139941	24.9357343266
0.938486929	0.3711374595
0	0
0	0
145.7326370453	61.7506445216
1.0784915805	1.6950102756
1.3784251578	0.0545117034
0	0
8.8672542583	6.732819205
1.7697387443	0.4479150914
5.1425332288	3.7722155742
17.2204743384	10.8961144159
90.3933883438	37.0627992149
2.4637152126	4.1570551144
67.453176317	81.2171595745
4.2492615417	4.6091751712
26.3472542149	11.0784985258
64.7411400568	107.0552911685
0	0
0	0
0.3661600389	0.7943477913
0.7916070393	1.126986492
0	0
0.865750906	5.4779681103
4.2943383417	11.1707419172
0	0.1687443582

gene_expression_table

22.5072719269	17.2929978992
8.209112176	7.3585189157
4.5394269413	6.7890379864
14.3778801394	10.8303406732
202.297777656	184.4032639975
0.3327899003	0.9826604198
32.0488773986	31.5445904324
1.1828826433	0.8433344522
2.0236282137	1.3109207445
2.6973089565	3.494671839
0	0.0534107501
7.805838946	8.764083234
0.475022014	2.1039640832
0	0.1359661144
0	0
60.4086568591	52.9690453154
1.5707388407	1.4143565436
0	0
14.1498463962	1.2790285254
0	0.4685276989
0	0.0371209668
4.6181286944	3.6526039914
0.8567788201	0.8757319798
48.7240788374	25.6425328041
1.1868026243	3.7546983112
0.9652716059	1.2215354414
0	0.0697581414
9.1860128975	4.1298451069
6.628913103	14.6803670859
1705.3224881903	2269.1589942012
27.7759047477	7.7413588069
57.125316709	34.5567607468
102.7858253024	56.8043731679
40.370666525	24.7929090692
3.145381742	11.277882699
35.5607193912	29.2173977653
3.1772382671	1.3707078749
163.9187270084	178.3225794891
108.1131310455	56.8491577472
0	0
0	0
0	0
0	0
0	0
1.7624588247	2.3615606519
0.3565884897	0.6768853586
0	0
47.3769098346	39.9267324842
3.6818186343	3.7116308723

gene_expression_table

21.4686390266	10.2476588424
54.8953833936	105.3489126263
4.8927396072	5.6621302576
34.421369547	20.8046235677
0.1819548596	0.1726956758
1.9608973398	2.3122914762
3.5646282576	5.7640284684
0.1824645627	0.115452961
7.5354436919	8.4523466503
3.7931803136	7.2003115393
8.3029867979	8.2354467212
0.8120679806	0.2569146894
648.3288513589	461.0719721579
1.1267995698	1.3240931226
5.3608660447	1.9383109612
5.1383719605	2.167508579
431.6919599103	203.4092467691
0	0
0	0.3108869908
2.4915201405	2.4523162358
861.4918537447	386.5663093116
1.0307016677	0.3260840288
258.7478110856	159.2144924952
0	0
4.5935267799	2.9065165328
3518.7005381907	1484.2860076927
19.2522103521	9.2442526879
9.4071962404	5.9523265477
4.1442611129	5.993708236
3.62224139	3.6401457802
14.1021934643	0
10.6799825317	3.2010023712
9.2870514851	6.6598133937
21.7900667254	15.9759766027
0	0
2.5652765812	1.0821051959
0.5487608278	0.6944478589
0.3336010939	1.6358960867
9.9728965892	3.5666736812
6.2120038206	3.9305946544
3.8456872034	1.8249953639
0	0
0	0
11.3616587797	12.51249434
1.7677986297	0.7829920958
13.2803279949	5.041811409
16.0740099945	45.1324744648
3.0123265678	0.9530125099
2.1702029731	2.3649180057

gene_expression_table

27.1686630567	15.3221898013
28.3853758709	13.5395402547
47.5415314455	30.4176218425
0	0.3232053242
7.8744732083	3.6236425994
3.0821633649	3.1732290426
6.3438915244	11.7912587187
51.7103389623	21.7332539535
1251.6309077663	925.893510203
3.7560963784	2.716159188
44.3688018124	29.7584365818
2.2684955999	1.9437329888
88.1100840822	41.7543927621
10.411800037	6.5879813906
8.2668848018	5.7453090954
2.5054989313	1.1681408232
38.4069088376	21.3524274095
0	0.0758659535
4.0067681525	1.8468707197
41.362466075	49.9276698179
21.9302750715	17.7433407001
3.3891360983	3.7783134441
0.342281195	0.6497268872
1.0043807732	2.5420549066
109.1433704288	93.4154082617
3.54642307	4.1090883195
0	0
2.1584474642	2.9415938346
2.1568567123	1.8765085067
10.1494584363	11.4478896673
3.9378636525	1.4015537138
0	0
0	0
11.2565635483	17.043121648
0	0
0	0
0	0
100.9391837382	47.7178027336
57.3324459631	50.7872913461
4.6106373646	3.6783891455
8.3891649384	8.4474191715
11.2891276752	7.5632858305
46.9321749856	72.6769307609
0	1.7813921916
6.0741514594	2.5622464663
0.8371426691	0
92.5276140381	93.2834393918
0	0
23.221788496	24.8657486132

gene_expression_table

338.4292467202	58.4013655356
0	16.0627073131
2.9934438104	1.8940771093
3.7301386715	5.9005369065
1.3879280608	1.5807602495
7.9842683073	6.0882842235
7.7567962758	7.8082604994
25.4236437558	42.783518166
1.1194243876	0.8263577392
23.8326278695	29.7942277133
4.2566994179	5.9440370139
0	0
2.7107709992	5.1456545939
6.9795866317	3.8194822968
125.8823093475	213.5726882168
0	0.5299888092
0.615499499	0
2.783627077	2.2897124716
0	0
2.7627929651	1.7117151994
0.1952266516	0.2470561369
0	0.006
56.201045173	31.8392780174
0	0
32.3467371455	45.0276939174
2.9690016659	9.4784491444
1.090724237	1.8633964892
456.7400918212	79.4746041997
12.18157081	21.4899293451
2.7377809872	4.8504639319
2.0632381404	1.740662764
8.5696101908	9.2498925742
29.2240046733	15.532650122
19.7750931435	17.6647462434
11.3590798577	4.2650297542
3.8126043159	7.0037251699
4.0311856808	3.2701279457
1.4733802193	1.7579935251
82.7276874352	59.2733183953
0	0.1262840382
60.2759907116	34.7266911428
23.3497037589	8.6445572711
23.5204967793	19.2794754906
0	0.1709919223
0	1.8405972851
10.9456010801	5.7432962856
69.4393248664	43.9371653673
0	0.8403586438
32.7626716847	29.2928332754

gene_expression_table

8.5893396969	11.5490233191
0.0776835517	0.5570745018
73.3499991699	16.6605788733
25.8596939953	17.4638328484
6.8351503974	6.8804997525
0	0
17.7981340699	19.1715740041
8.0375648332	2.1795872002
111.7153091773	50.5874650779
0	0
11.9011580064	13.5546488551
64.7335073815	22.3415988046
325.1433783312	153.707678354
4.3220094969	1.4845602178
2.5756685672	4.3006849339
30.5939063506	24.0795184413
17.6593002757	29.9457248839
62.2534504835	43.264823916
0	0
35.4418653579	36.3510942515
39.7375610979	46.6952888231
1.6353072668	0.5173636549
0	0.0698129269
30.4443858589	16.6246094681
314.9270108024	372.7474272874
1.4112505462	2.3003355262
0.3232643797	0
94.0497972386	63.6553762687
0	0.4815055067
0	0
13.3146756801	14.0412537202
0	0
0	0
5.8204481707	6.5370428046
4.6886085168	0
18.3068119145	11.0569635654
70.2007594643	43.578598243
73.1460042111	90.5115814874
3.1857996582	6.8831809272
9.2375513851	3.7884163021
3.9608595651	8.657787078
6.2286748237	7.8034633289
0.7403834553	0.9369431622
1.6161528625	2.4542580406
11.8297935733	0.4990136809
1.4699391162	2.5577529004
1.3847166048	1.3142521741
3.4755949482	1.5149729634
0	0

gene_expression_table

172.3722795245	245.4010903867
13.3785801465	5.5258861287
0	0
1.7829175651	2.8385118884
0.8561185728	0.9028367182
0.0817102414	0.0443155607
2.1336921957	2.2828562904
0	0
0	1.0555104135
15.9605835699	32.1329553607
0.0926582195	0.2345149248
80.0800211307	46.7564440137
311.2368285407	230.1173282859
11.9160703007	15.0795922149
6.5466172295	3.2218033202
0	0.3819225887
10.1658938729	8.3242645909
1.3299662499	1.8233047656
0	4.63655963
10.7894866174	8.2154936211
127.3541543469	42.3872216264
0	0.0476815423
0	0
0	0
0	0
94.562248871	59.8334902324
14.5352877626	22.5746620842
64.9027283738	97.3677522299
0.4802030257	0.5469201727
66.3210446414	61.332144746
0.9141018586	1.9665276361
7.2524863351	7.8365171136
0.3316397785	0.6295270793
7.2836186413	3.3182281262
51.01117628	44.9571175946
736.0897177111	258.0388405711
46.9935667196	26.1404794034
1.1702880478	2.2214705968
0	0
2.7785199663	1.1577638217
5.9666616491	4.3146930289
0.8289289679	1.6026328714
5.0105670965	10.7951962864
1.446835846	2.1971365401
16.6390329532	22.5933895362
41.1891852412	42.0896275542
6558.1656249349	15438.8306452098
0.5623088755	0
9.6401235863	1.3554909828

gene_expression_table	
0	0
0	0
0	0.6772467392
1.1346211607	1.3209769724
7.0180080251	5.7727633969
265.6438063931	260.9724451379
0	0
3.4284312083	0
4.2324282564	5.6908230848
84.7524571091	19.0287313304
0.2095979068	0.3182912706
5.57742621	12.3517479992
307.091835775	354.3103199904
22.7719485427	52.5615488382
71.1631922546	50.068368113
7.7023666173	10.8009724833
17.7684935217	23.1103419893
0.5471288253	0.5539060691
0.4962378704	0.4552861632
0.906665122	0.3442109681
0	0.1826586294
2.9319184831	1.3604414716
6.8274596345	7.1153258916
8.6654844954	13.3158923624
512.265435787	645.5896724938
6.4348974288	5.1678365076
2.2096941211	4.7937116504
0	0
2.9829709101	6.1342140185
5.3886555245	4.2620346853
5.5540400747	4.9199828593
0	1.8362766341
6.7578497355	6.1467129076
0	0.1538870116
10.1352676091	5.6265068053
24.2905374847	13.2856202363
0	0
7.9334264836	9.2029864253
0	0
0.0578880671	0.0732564028
0	0.002601
0	0.0502175503
0.6550656467	0.8214387346
49.9259886401	34.2227831058
11.972164781	19.0434359317
0	0
2.8456319604	3.8853981649
2.4389273894	3.6537798739
5.8545698396	7.2345362724

gene_expression_table

0	0
26.9273730073	31.4716039209
134.8549966596	101.4716074011
15.2155746792	18.5754706892
0.2691961504	0.5677722144
4.5006440264	3.0668030933
10.4694484102	21.529488265
34.6197683879	38.9142553759
3.0387631365	3.1845588987
0	0
11.8231695447	7.4810139133
18.0133579651	31.4796520468
0.9498068136	0.6009824997
0.3949437095	0
2.5841191453	6.8547596033
0	0
17.0460696695	5.9431745866
33.0761582935	43.6512236422
63.2968151054	53.7344778691
12.2496497056	3.3739062676
0	0.2854463054
20.8041744251	12.7890953463
3.731982722	1.2320251672
0	0.4628720983
17.7341104034	12.3274203975
19.0267689597	21.4223962031
49.8783006234	69.6648927796
1.5804244495	2.9333352563
2.4513691021	2.5381370738
44.6711467336	39.3860780254
5.8511352966	3.0158843624
0	0.6322264981
5.5995400384	5.7234097865
12.2081330239	10.2022971438
4.0370046163	8.6848977171
0	0
0	0.1080401423
107.1264918788	23.8073641443
0	0
2.4059481208	1.916053671
0.0728619424	0.2305139932
0	0
0	0.1731646182
0	0.009367
2.6192236969	2.1899935161
2.862229419	4.2257886426
165.5582517896	95.3393944295
0.2253463134	0.1761356944
0	0

gene_expression_table

0.4648137181	0.2129740937
5.4324762213	9.7832409719
0.0293346754	0.0185612761
0.3712589471	1.4094663895
98.8970030442	75.697101427
0.3174823882	0.3682880423
1.0662288001	2.0721317923
2.5257827989	1.2675128895
2.5398763708	6.2865423658
0.3981617693	1.1966846278
8.3071753347	13.841582913
0	0
0	0.0175972449
0.2101251434	1.1079580616
2.1349558209	2.2681372285
0	0.1926164302
3.2801019537	3.8741877197
0.081778344	0.1552337367
13.5070494813	23.8798571285
0.1592968578	0.2620638411
0	0
0.0551901419	0.1746055566
3.8800856609	2.1482059329
2.0205990345	0.6392587636
0.06839413	0.1731033074
281.6087125636	262.1799930635
19.5492140054	39.5827373129
0.7007718157	0.2956050932
0	0
5.0909305549	8.3074205594
0	0.0601428387
2.944665187	5.3968923466
40.685939444	63.0509530926
2.7694719841	1.8338659184
0.4358052361	2.4817698165
3.218254051	2.290864446
0.0316248758	0
88.2624366579	81.4893028237
0.1194269464	0.1289074298
2.9460782902	2.2369283562
0.0178540917	0.0451881224
0	0
0	0
1.7707484423	2.3809065393
11.4283766527	8.8640662453
13.9869847379	19.1918989533
20.843412842	15.3865823396
0.106239885	0.0336112095
0.1882576312	0.301299679

gene_expression_table

28.9962551352	85.9197928616
0.0666915451	0.1125294137
3.4985099563	4.2027336195
5.8048250686	13.8347995265
0.6805255978	2.7793079794
0	1.2177263021
26.8607524309	22.1829885829
0.6371491193	0.7055140726
0	0
0	0
0	0.0334162279
0	0.005697
0.1155240612	0.5847752457
0.1178925766	0.3729778222
21.6677785074	16.7795373506
131.7593821553	158.2129009403
0.4925957939	3.116859632
4.3409139526	10.8035994669
3.2844474445	3.4913882317
0	0
0.8419124421	0.6214987541
37.5212167327	33.3986981637
12.2196201192	10.8949003642
0.0237859214	0.0451510422
7.2261048933	5.102375786
0	0
0.8737577295	1.8165500648
0	0
6.9446661001	9.9541644987
17.7190796231	24.0033644595
1.645461647	2.1423713069
15.4113480101	19.6940130409
0.5689259267	1.5170721877
6.7622266554	6.6668796514
3.1346153491	5.5398476549
9.6120467115	0
0	0
0	0
0	0
2.2216293374	0.5622871235
0.7394584065	0.8317978028
1.6090417027	1.2820619116
2.7313920143	2.2365794993
9.4777211724	4.5460754716
3.6982905245	4.4973087853
0.5457576869	0.5843939819
7.6800651486	6.1135625826
0.3287137181	0.7106356397
0	0

gene_expression_table

0	0
5.9609078771	7.5434314961
0	0
2.67867217	2.4326913763
0.6236131555	0.4822719344
145.6669393329	133.4479598746
0	0.1516482083
1163.4000599599	1682.7001726874
0.1439848472	0.5162630008
7.8477702689	8.5591478747
12.7831696389	14.6603086069
2.2424585117	3.9019675707
28.1784471933	22.5217038238
0.1524968908	0.2251460435
0.0216581811	0.0959282597
52.6270696364	20.8622422811
16.9736851799	11.0605564312
2.3141487101	1.3764031645
3.8993606488	3.0841107323
0	0
0.5479351115	0.2166884151
0	0
9.9311981362	5.3861866845
1.984523988	2.7625209399
0.1685885779	0.3895885122
0	0
1.8390489446	1.3223218084
4.1844201356	4.0054307988
2.0468415459	1.4678052301
9.6769074194	6.4330086032
5.6779024913	3.5926464029
0.6217523102	0.3934086935
9.5261071516	7.1460839416
10.4526441486	15.4322587264
0.3879570949	0.8926424782
2.9512185831	4.5835186298
2.6972401735	1.9781702411
2.0500093307	3.4590044048
0	0
0	0
0.0575528278	0
0.633259951	4.6747173568
2.2350710384	2.8284458701
0	0
69.9788090774	25.0911611028
0	0
1.1616809781	0.8542404939
8.1933535622	8.2233367436
0.2348014587	0.8914122254

gene_expression_table

24.7463900469	17.7261238646
96.1791733955	87.172947531
0	0.131180213
4.0315589242	2.2398462126
0	0
2.0959080014	2.4534120221
20.367253603	10.9311184078
2.7466295508	13.3058535579
0.5316471548	1.6819769634
23.951416733	30.3101264248
11.9608352828	10.305526174
0.7118219102	1.0509321593
83.4642083099	46.3446064815
0	0
16.2101262286	18.9466348954
2.0834046068	1.3182572399
10.5568837481	7.1936113019
0	0
24.9716400272	16.131503807
0.3714150975	0.9400394714
16.6616212089	16.2929617551
0	0
0	0
33.4415765821	37.606429453
20.1001348423	7.122189798
0	3.0302298902
1.0311601649	1.0330587659
68.8789020814	28.1692171802
1.2736527751	3.895151363
131.559881374	182.9010791349
0	4.5444646368
5.3774283775	2.9942209992
6.6825073378	6.0725612539
9.1837312619	24.9528209608
2.7185598859	4.9884250018
20.0323619815	20.7792022033
0	0
0	0.1379393134
0	0.5810397728
51.1895099844	15.3643658071
419.7288651452	363.3770210455
10.159807711	13.1043219691
0	0.0969864419
0	0
5.0663941698	5.6492399749
0	0
1.2826889868	0.8116109745
23.1611795239	19.8657304808
0.1764115716	0.334868941

gene_expression_table

0	0
1.1956983352	1.0213672734
55.2180697438	46.5600512256
5.7264304917	5.8531072362
14.7716938072	23.6782269823
0	0
0	0.4750721767
22.0830964453	14.6759377521
1.1507010569	1.1252403399
0.3556772549	0.1456218025
3.2540754616	2.3085641606
4.1498605969	5.0971225043
1.4933385198	6.9517476966
0	0
14.0372910085	19.8956378346
18.2806211574	14.0455380064
12.0649813964	10.2858352995
0	0
6.8402102681	4.559358983
31.5917962615	21.9328697635
0.0722665217	0.1371781532
71.1084377762	45.3079212634
114.7998580859	92.5097224343
29.7795449459	24.774744882
0	0.1108769971
5.8103443463	11.123611608
7.0303798334	3.5448310131
1.585718602	3.8043705976
0.2967243933	0.0625833117
36.3822490077	28.3425306575
2.724278466	2.5157650435
0.1324248906	0.0837907674
0.4186280285	0
0.1313555636	0.1662283189
10.2224906616	4.6438340525
0.4390554349	2.2224699088
1.7180922051	3.5331036094
28.9652558994	55.3316827089
0.7968539191	1.6806760187
21.9629473912	10.4545301819
0.3737264071	0.1351270458
0	0
1.6373087206	2.6435701649
0.2146564388	0.1358221075
16.1718751869	34.3093792169
2.3672496158	2.9232387068
20.8494015802	19.2183955539
5.2994049549	6.4579284943
0.2149867915	0.3570817306

gene_expression_table

0.5371047179	0.3883984241
0	0.2134098612
31.4978928331	14.9475257225
5.9897882447	26.5299269526
0.6817161807	0
11.0679704002	0
0	0
34.6786057139	5.6888233578
1.0706249747	2.4086371692
2.444231502	2.5776125153
3.2782464301	4.1485672791
0	0
10.8762813727	10.0660307417
0	0
0.8691467318	1.5170910127
7.8527988166	16.5626476
0	0.7181032859
0	0.2025182767
0.8114017614	1.6685754602
6.0816054309	3.9101520444
0.5059031101	0.4268080784
1.2377156667	0.7831544738
7.601174763	5.3003548098
9.6130173638	7.9257576306
42.0401661586	32.5118097265
8.9646719386	9.9265650959
0.3256485865	0.4121029639
31.8169456608	36.1342016829
392.7362243824	235.4216557538
33.6494896319	24.3103750529
4.3680830082	13.4245057384
0	1.5213026957
111.6954521175	351.5120706649
0	0
0	0.1521401322
0	0
1.1815335827	2.514673783
3.8890457649	5.8163463738
7.5406359659	6.3935095547
0.7287224988	0.0461093206
1.5185300931	1.441256261
2.0956196024	2.807970731
25.1278921484	47.6984052528
6.7284963265	9.6945638752
0.586066972	0.640522969
1.8690167714	0.9855042408
0.1779854893	0.4665638646
0	2.7612207771
0.5912068226	0.7897271589

gene_expression_table

0.1831489872	0.1738290375
1.7502495834	2.347806977
1.5583142162	0.5634346206
0	0
15.7017411819	13.9092077907
1.2494111104	0
40.5785216751	0
15.6097511831	0
12.1922316933	0
185.2123286443	402.846081817
138.9092464832	395.5216076021
24.3844633866	0
31.2195023662	9.8769425018
11.1227376851	47.5052943004
226.3235320276	53.7016370352
0	8.7305116757
20.367253603	70.8796730446
108.9520153484	41.997015646
1.4988994831	3.7936655972
0.3510349088	0.88845788
1.8219211094	1.9046354939
104.0708806304	43.0416196384
333.1159618877	202.1777837983
0	4.4991593912
270.4137823491	212.7778620164
0	3.6198697184
0	0.857546422
42.4674324696	41.598252487
16.3541027828	8.3768915808
4.2325223472	4.1736528748
3.6638119936	5.0228687148
1.0696420607	8.7984945491
0	3.0427368897
0	0
568.3417734148	218.633014054
342.0408679238	189.3054307674
2.9105209771	6.8292976837
3.9755498511	6.0153181503
0.5052690427	2.8773437205
7.0972881587	5.7155013809
7.8675189474	6.7052071282
133.9285212889	33.0215996491
0.907970251	2.010787648
1.5928864805	1.6798098397
12.895483794	8.7321093245
2.2380381856	1.7701254665
236.1800835959	81.7087579812
16.3813358423	7.2105435755
0	0

gene_expression_table

7.1454237977	3.1789747387
0	0.2338716354
0	0
11.8836170493	10.0256821038
0	0
37.5860613146	76.835036338
0	0
50.6458680041	31.202449663
14.873699346	9.0317273733
91.4159794638	86.9170940163
8.3605893691	12.847372606
10.1535740595	3.8111980588
36.089370849	36.3021994469
0	0
479.5062859209	448.5097937433
4.2486517442	5.100876301
0	0.7026063862
0.1427919027	1.4456065533
4.7573189794	3.6840699418
0	0
151.8608924176	107.0703088432
2.9569296668	0.9354865417
0.5825247579	2.0272327917
0	0
0	0
9.0298130114	3.6085518274
37.6485869297	60.0724553047
461.2216283342	371.2683817251
0	0
0	0.3396820731
1.3204724098	0.8355181267
1010.7682741502	91.1890116806
0	0
18.419813297	3.8449439476
4608.819415043	4044.5809026254
0.9657024634	1.2220806845
3681.1902620927	1980.661018122
0	2.0307732247
0	0
0.9833696259	0
2.4250535381	3.5803432215
5.0932118664	7.5196057718
117.3599986718	41.5721110934
133.329428361	84.3631062584
200.0061659	115.1244703776
0.1321983248	0.5018844583
3.8110120028	6.4303645388
4.7046666173	5.0606269063
11.872896133	9.1060339462

gene_expression_table

9.5662125594	4.9847764434
52.3852666822	56.3918412091
14.7926089584	28.0797073101
817.0801509486	724.8562075837
18.4868696998	62.8194548578
6611.9006375226	12441.3739851924
4.5257570047	2.1898391116
165.6467872886	75.2902336172
0	0
132.4254354464	178.9578388183
12.1608837009	5.9424414187
207.106013584	256.1863637395
7.436849673	2.88408101
32.1299780647	26.4776699457
1.7158545852	2.895181246
0.1345873298	0
96.374324782	39.2292147273
0	0.3193915753
34.8346066219	22.8072270199
0	0.0226324333
53.469865931	32.7412458625
9.7192790385	34.3093792169
61.0739308429	23.84418913
171.261270123	162.5462537447
3.0413094556	2.2450909894
727.0729418247	951.5045155491
32.1098528105	15.935095664
10.4981418826	7.6267043749
0	0.5123150476
1.0828837609	2.7407434026
150.4397402156	146.1838999752
5.313272708	9.4134036841
2.8528724904	7.6718099599
2.6348940616	2.222943581
58.2833305405	165.9523550477
1620.0316293733	1712.254026338
241.2046938742	306.2381162547
2.1962911595	3.474213209
8.7161047215	14.8906188987
0.9095065796	3.7406385639
51.7025565348	40.3223632034
8.3092136879	6.0086709258
8.2130784097	11.8108142008
72.6149376969	44.7833056902
19.712032445	18.3420991875
0.9952441585	0.3148663042
61.7160764118	42.3318844504
169.2862278522	284.2245536432
12.0378996465	8.759415025

gene_expression_table

2.7666040798	2.5228458838
88.8955484216	67.6605556796
22.3519440752	22.8667357276
26.8352679305	18.7469246331
1.8024545255	2.0314949122
0	0.4557526487
12.7312189127	19.8512377286
20.5085871151	15.9009543492
7.7920504724	9.5965862949
183.7102403783	230.1902276437
7.6717900807	7.175866277
145.3500847283	127.1033329934
4.333089353	7.833505369
19.9803947091	14.953413575
2.4215989228	4.4574456136
24.2905590557	3.8936453623
11.6373028754	11.2616832779
9.0174492611	5.7057173315
14.353238704	36.3275779944
6.8723521944	3.9783459946
1.5141363058	1.9161147487
51.460718186	39.0736186886
90.0304522148	38.1101432429
3.8306929158	1.6158930926
0	0.3732269582
8.8254258346	15.59365999
0.5238526668	3.0660373207
185.6663367727	86.8955184685
5.1590998485	1.6321891351
0	0
0.7030379833	0
0	0
164.0035983594	54.2179219642
8.737048012	11.056591465
171.4474940835	184.419401449
500.8764949338	362.3086369214
4.8208650243	3.6369712086
5.2405004914	8.1054938843
0	0
0	0
0	0
0.1103202004	0.1396084106
9.2361357497	2.02295403
0	0
0	0
2.2102961151	3.2632758778
0	0
0.1367640486	0
4.943191898	0

gene_expression_table

0	0
69.6579649547	26.358882293
0.4165194797	0.724760567
21.1693885908	8.0793776238
0.4423481465	0
204.6330155095	70.8474751351
0	0.2483030238
1.7094749636	0.7211042092
0	0
0	0
1099.7947179705	1008.8507779107
0	0.1176710861
57.2092685655	48.8682411984
8.3904338788	4.343709659
0	0.3433347288
22.7395182277	18.6658304907
12.2716115905	13.9431746901
35.5639638605	37.973487677
14.1668330065	17.8567531906
11.665335853	8.119260528
0	0.6769244082
0	0.1017949986
0	0
10.0827318099	5.5527594347
0.7842006303	0
0.9603612883	0.3645964544
7.3627033953	5.8532264089
0	0.4531652451
20.5788523231	26.1918691072
0	2.888677423
0	0
28.451364119	25.6448829284
0	0
53.6260569153	29.9132513508
40.2318848119	41.896985658
0	0
31.4957811482	51.2452238023
2.958108854	1.8717192044
49.7472197864	14.0244713453
0	18.2083415156
0	0
179.0622541848	162.0215528331
95.4122342051	73.2373287131
68.1400702643	23.5912661587
6.9004928204	2.1831152214
0	0.7317896331
17.4398599425	18.3915481069
72.7649406627	27.9509473373
9.802507879	1.2404913513

gene_expression_table

12.6057494796	19.9404624299
18.3503945206	9.9523390095
0	0
0	0
0.9839331256	1.9922420633
0	0.529910477
3.7463402839	2.3704662004
55.4205698367	27.7394980903
0.7811700967	0.7513040726
0	0.3790540515
0	0.0260548922
0	4.4485559303
11.4273998062	10.7253808706
4.0239698134	5.3978041149
0.4476999052	0.217906505
10.4144982178	13.2949858576
0	0
110.5929616752	132.8320535136
29.3370139924	33.6919383971
32.8241254713	15.5111725632
8.4502409405	6.416185082
0	0.0352881614
32.839356128	22.394965786
24.529609002	26.719540656
1.4666667246	2.9923954854
0	0.0889217863
85.9139643471	102.9201007852
15.6694032436	16.3916179674
8.4810676144	7.6581947207
0.0580544293	0.1102003972
65.1637271747	111.0382390093
4.2509531077	5.0432922021
0	0
66.4102005641	51.60118839
2.203205941	2.0910908326
0.3702915188	0.4685978651
0.2376205685	3.9091642961
0.4723099531	0.664111696
1.7250991331	1.3644279742
0	0.0580720577
0.8405577194	0.7091413708
2.6444126446	1.8591449904
17.6397188257	19.133807896
5.6241498761	4.4812439165
0.7502866277	1.1393705581
0.8058588866	0.6628708128
2.8468942424	0.9006745339
0	0.0510123411
0	0.1423522067

gene_expression_table

0.8240190717	1.0427826679
19.6805491413	16.3704121054
18.999455706	18.6481970618
0	0
2.6439099523	3.7175831487
8.1528496252	4.2374616598
0.1071330904	0.2372565561
0.1229652172	0
89.1782596063	120.2782109678
2.3330671706	6.1017473059
0	0
0.0700417145	0.3102282572
124.0499204045	151.8641311993
0	0.114592442
0	0
2.8365185074	2.7193695548
5.1738019465	3.8972391697
10.0330632346	9.6956446728
0.805297221	0
4.0884660215	1.7035969161
0.5250465241	0.430480825
292.5554701205	183.8697200503
54.1716950945	39.8652893588
1.849606344	5.7540895564
0	0.0832338424
1.0363122856	1.1624094127
0	0
0	0.3833732001
0.1762533533	0.2129072954
0	0
0.3771176721	0.7953937509
13.1491961671	4.8533604132
52.9083720557	38.7779189067
2.3709559323	2.4303288459
1.3320679816	4.6959071528
0.0327007817	0
0	0
23.6715042781	18.3176291338
13.8138664639	9.563256874
5.2893061008	5.6430858689
66.8196496873	38.8392782738
0.1221367187	0.1545620213
5.2694935447	4.664276605
0.6701549584	0.6966290495
0	0.1187860792
5.4716607944	3.4088848291
2.3808149914	6.7105109351
332.5636827632	243.8280562284
0	0

gene_expression_table

0	0.0258014607
172.5588648569	497.9843281582
0	0.2428907179
5.9338232451	8.0097667595
49.1015761615	16.2097153406
2.7180551699	1.3376433758
45.5873100761	9.3203893006
0.2308496646	0.0730341194
0.9616382788	1.8254062878
0.1046127277	0
0	0.0229719271
9.2460326956	4.946638778
2.2725961281	3.2077717107
195.9248737068	188.1613774965
0.0422656807	0.0267432641
0.354816527	0.1924347925
13.8148350085	8.6555256859
1.6602687349	1.8747767856
19.0960589942	11.5971315502
4.5326509345	3.2291531225
5.6204930296	4.1034473482
17.270192753	13.1331385971
0.5504458895	0.145120891
29.4508513733	30.8491827863
0	0
21.9680150603	20.1016570634
10.3875424369	14.5580740598
2.8456024122	6.0017722423
4.3046389056	1.8158167274
0.7295028348	1.433348973
10.5496712743	4.6317841191
15.8020163034	4.5448166753
0	0
9.5422375247	20.5284275772
28.465128688	15.4731530007
26.7463408824	19.9455873121
41.7376010186	27.1858649738
3.489512187	3.0617049782
0	0
4.9397946782	6.3762540202
0.2638324108	1.0016268117
0	0
1.1810673664	0.7896113317
11.5517344719	7.309265589
1.3077081013	2.1749893874
6.2592324315	6.9968447706
7.6228961129	4.7736002206
12.4887020072	11.1758612841
0.8470076005	1.0718742753

gene_expression_table

0.4059973215	0.4174486671
8.5216595681	4.440479198
4.3246899715	3.5285315715
0	0
0	0
4.5285432004	11.6738465712
0	0
1.2646197767	0.8001778295
18.7553824582	8.0763671431
0	0.3814011927
1.5916174234	0.6786863145
9.4176614375	7.5905651163
1.1586619435	0.3665669382
0	0
117.3463122358	41.765580079
22.611896482	13.4756617477
0	0
0	0
173.3425702808	72.086002577
55.5513104462	33.0030949702
0	0
95.3300071282	50.8351190027
13.4778475996	19.860614684
0	0.0326349759
9.8274427162	12.4364681422
27.0326303287	9.6213802141
11.0297988865	10.9372624897
8.3589742644	20.7155345779
19.445752214	13.0279137959
11.6684720547	17.0035729056
0.1183145402	0.8983507018
0	1.465992965
127.3393639239	116.88050219
0.4527216544	0
34.9578593006	21.1575911178
4.63761123	10.0370181035
8.0561825333	9.2954113886
10.7610095199	12.08253227
4.2050758289	13.3036368392
470.3285899948	367.090276881
0.113114139	0.3578602356
0	0
0	0.6789219286
0	0.0245180675
36.5351212051	34.9723247122
4.1959883074	4.063740785
7.8486286673	18.3654058077
0	0
0	0.0201434263

gene_expression_table

4.6407368382	0
13.6098619328	4.1422544179
4.3831904831	4.5280456486
0.9523755399	0.4304341716
123.7703452031	32.5536057918
0.0901363605	0.1710991366
0.4378115637	2.2161735141
0.1821559295	0.6915460552
6.6225720726	4.938660211
4.3662097606	2.7626835463
136.5913705566	92.5929711545
62.6221103181	63.0849875924
6.5155064735	13.3192773901
0.170110118	0
18.6916829943	36.6380190882
3.7005044897	4.9756109494
0.3710435264	0.1565165062
0	35.4810976107
1.4685056749	2.7425943338
12.062293469	2.4951807611
1.0585341638	0.8133028796
46.0542361603	23.8421794794
16.3805736311	12.9558426335
49.7030867055	38.3411169375
1.2635857458	0
0	0
0	11.0323805499
22.086066467	28.1581349269
0	0
15.5687268699	9.4226810202
6.8865503131	11.4877131476
0.1697760603	0.6445464888
14.785804474	28.5165791794
0	0
0	0
0	0
0.1617844815	0.1023678086
0	0
0.2351080735	1.9339152594
120.8759439794	143.7602125364
5.2210053283	3.964258148
0	0
0.0354822055	0.2469618314
5.7437447682	4.5257414967
0.6391089194	2.2645892982
34.9047299915	8.4135933976
13.5191675282	11.2554510237
8.6368855554	3.4043756189
3.7607624346	1.8052074953

gene_expression_table

37.3803354273	47.6420907248
11.9860114683	15.5268067252
4.1181481322	6.2077556126
86.5853566699	107.2533621412
1.0034116084	0.7759894946
15.4889593875	2.0177525695
5.8629906159	5.6452860453
5.192843061	6.5714580243
9.9242612791	5.232912688
0	0.2093715128
5.2177441281	4.9522274383
0.2453552569	0.1791306159
0	0
8.9549546429	6.2257965327
0.0609052986	0.0770746599
37.8576002892	32.044962424
4.4123395734	2.2191801554
0	0.004886
0	0.006164
0.9681176531	0.5168547003
0	0
10.0847153753	2.6711251718
0	0
4.0652921292	6.6255706607
0	0
17.8176613896	21.5959343374
9.1478387695	9.1646820267
35.7621312869	25.7468259547
8.3093522324	10.4838663637
0	0.0861038906
0	0.1411857644
31.6773957566	51.8369309604
0.4549987586	1.4394837319
0.530802582	0
3.0720106692	2.429737059
5.0462919421	5.3735853478
10.5547308831	13.3568394309
21.8387615916	17.9637873166
0	0.1118208368
0.1614110326	0.2859682332
11.2954983435	10.7732538669
5.0507485255	5.7406393709
0	4.0562812867
5.9287176571	3.5066945418
44.0928949776	19.491374904
2.2233743665	1.292755316
56.7857956651	58.2147217894
8.2994580003	7.3997200492
0.3842494574	0.4734650555

gene_expression_table

0.3807021906	0.5149980829
151.1807312433	34.6028790611
0.642363241	0.7451585011
191.0029582886	214.819986989
2.4384463387	6.7226661898
1.8283921631	0.8413819636
487.4270692009	218.1689154239
11.8703052684	12.674540234
1589.2526796172	1736.0043939329
13.5261738917	21.582495993
4.5420828182	2.7748635179
93.8758122194	31.1845553515
0.9762801702	1.1264548408
10.8947895223	3.2170082189
13.4638839628	16.2269762928
0.03761981	0.0119018137
0	0
3.960683136	1.7690046272
40.8691667339	27.7067477974
0	0
0	0
0	0.0650880189
273.3540624022	274.0936572011
187.52240566	87.2030055097
148.3921732874	124.7028824502
75.0032369742	76.8562513931
0.6112391445	0
10.1458638085	1.9021370119
0.1425786441	0.1353232079
0	0.8650379809
102.930784368	61.8721820484
0.6572526814	1.6634850529
0	0
152.7497846445	154.7305556025
2.0936363992	1.9870969843
75.7153047984	47.5708584088
1.6598983535	17.8548810211
21.2951906589	18.9763873337
27.5220902427	111.4520172604
12.6802099687	17.4729627849
0	0
16.9645597763	11.9009459776
10.7148854823	13.8381325777
13.1372712389	4.1562505108
8.0030691368	1.2659691493
5.703624484	5.2303214254
0.9484132936	0.4125692734
3.9586304766	2.2770828046
0	0.0697593856

gene_expression_table

5.3303230919	5.1795317952
0.7659592634	0.4846544647
13.1295760055	15.8928610751
12.7740139308	13.4098559949
0	0
34.0556844176	21.5484560201
6.8867672131	16.2610850874
49.2881991849	41.0751727848
11.5717074407	4.3473800973
3.8322761739	9.8908005802
39.0095397912	68.2654457518
0.5965826664	0.9814552982
0.3721738145	0.3868763297
13.5980820572	22.2271945284
7.3245324402	11.7970059383
0.3372373517	0.2510402099
1.9378634626	1.8392509053
0.0588981267	0.0186336542
100.7625397202	95.4507425572
2.8142003704	2.5819603167
546.7718437995	893.5579886074
156.7362047776	371.751164576
8.9368569565	17.6067518108
3.1798823763	4.5816437012
24.195841722	10.6925036441
1.0604279008	0.527196284
17.432209443	9.3755748622
0	0.037947698
4.663619786	8.097320415
0.2075430254	0
0.5410548485	0.4564640454
0.4618683664	1.6365632335
1.5055204011	1.125806773
35.0249628766	27.5615785069
1.5582487451	1.126821897
0	0.1000606112
4.9033274473	5.2065620059
0.0468422061	0.0691577207
0.0233754021	0.0295811894
0.0401903375	0.0678136204
0.2760614347	0.3426329408
48.9422474451	27.272784685
0.4847064588	0.4293716712
6.1487553232	4.9666910866
27.115509484	15.4967508788
6.6272548086	2.609190157
0	0
2.2561965378	4.1638039397
1.3132433002	2.01344115

gene_expression_table

0.3236839988	0.5605282667
17.3758579578	10.9944321314
0.1633837677	0
27.0526577111	15.5938144983
0.0984575676	0.0622982213
12.3657935677	6.0778470551
109.5913951682	90.186060352
340.5575505923	169.4456401844
1.5901888143	1.9872034808
0.056385585	0.057084029
0.7665634279	2.0949459404
18.7586660912	7.3042416479
2.9017823834	1.9508340336
43.3496344643	63.4686918427
5.9897237558	3.6215065928
2.6586329206	1.6822282548
9.7477427978	0
6.1319155905	2.0175581303
0.3437582843	0.7612858585
0	0.2462757413
2.6261785136	4.6290019118
0	0
1.077848556	0.8524998323
0.6856862417	0.4338623661
0	0
46.8292535493	51.3601010096
11.9922532899	13.7963641296
1.9663221721	11.1975685749
0.5340932255	0.4224289049
1.4550528804	4.2685739823
111.9713109837	107.5854152918
0	0.8396885424
0.714867754	0.9046534592
63.3359842025	74.3665851412
0	0
0	0
0	0
2.6831106075	1.2008237323
1.7251679121	1.6763640587
73.3408244035	37.3774401349
45.8565390838	30.4661178952
2528.5313484382	3894.6755482964
0.7445600307	0.0785190458
0	0
1.4678738596	0.6191901264
0	0.3609624909
1.9378229626	1.7165983018
838.0370667537	457.4491330156
2.9552169861	2.8407935094

gene_expression_table

0	0
63.9258970134	34.5452813715
8.9777953309	7.1007832889
19.3853799306	33.1441377396
18.0849173431	15.5672407193
148.2059503905	129.4093623029
1.8345639972	1.3757693364
0	0
0	0.3466822576
402.9262615596	316.3656539996
5.0963732985	3.7806693441
13.3486545808	11.1266125502
311.9432534814	87.9366493713
3.9403407948	2.4276074269
0.8691865328	0.6110785287
82.2126335232	98.2349298429
0	0.3636360386
8.1532274826	10.3177761267
3.3211795465	2.2903435299
26.6503406889	11.660436637
1.2513885906	0.4318941298
3.3822203863	4.5150306068
10.2773399507	6.3516725705
0.3731162898	0.7360337068
21.7574420532	17.8275673326
0.6372202737	2.1839779053
0	0
0	0
5.8367498869	4.3014402782
5.7530509417	4.6109148963
30.0221709239	24.891681589
0	0
8.0788331366	5.8420750272
125.6770637592	142.088525643
10.9050962937	11.3116566654
0	0
3.9186778361	4.4391252095
3.0212855962	1.8835806281
0.0501010007	0
0	0
1.4132943214	0.5299261824
2.3452699338	1.6429450698
0.3667870093	0.9283259315
11.2756745598	9.9451873646
0.5369114452	0.3397263294
231.6042441646	227.3223850386
1.3993498716	3.7525247834
0	0
0	0.2348264428

gene_expression_table

3.9598866463	3.7459749836
0.7542344419	0.5895264278
87.2863621997	79.0789350244
30.4193305811	14.4356871341
1.9614152544	1.2022860529
1.3032351387	1.7866579992
0.6866295187	0.6683987953
1.0713104798	0.9989559287
0.4379504085	0.5674147768
4.0148235175	3.6483703647
1.1040492719	1.3272984941
20.1682897471	15.5552191038
35.0033294822	63.9091919332
6.2852248164	8.3876956068
37.4527500498	72.8048058829
0.4798650383	0.5060511361
10.921748569	3.4553235785
0.1127962751	0
0	0
23.3290207562	20.5273594489
90.819046762	47.4314365667
0.0604537997	0
0	0.1376020416
18.9831050557	44.486683698
13.5219469623	19.3526342146
996.6851553449	1031.9635429618
2.3662606106	0
4.8520105718	5.3028482506
4.394612163	1.6683929606
206.6270610803	122.7573654963
54.4236840242	13.2210185458
127.2795096467	137.517430218
13.5108820159	14.1499037591
0	0.1563819612
17.7288569842	67.3067362841
20.4368353598	28.16136835
9.9106353308	5.6437861663
41.5067016391	32.0280808281
64.1157554988	72.2456663818
1.700071911	1.0757066091
94.1812981334	36.2497832864
42.2919616712	54.8712960497
4.5054383881	0
0	0.0860622094
0	0
3.9932913803	10.3012532228
1.8212909453	6.914441775
15.0366646831	18.5000796985
33.2030619088	30.6130648814

gene_expression_table

20.2059832198	10.7991248199
233.3934984369	123.3085502025
0.1700804748	0.2869787481
0.6480863577	1.0120909836
13.090982991	9.0796752526
0.0794751952	0
28.8588145053	19.0242032788
1.0878203555	0.2949897602
9.6542909362	13.3627237128
19.844178069	11.2422162368
0.2614352192	0
0	0.0908140247
0	0
9.7373730708	37.8076289667
0.2168705564	1.3722307233
1.4120089649	0.9132912925
0.3448671483	0.0793497709
0.9207388436	1.319394953
0	0
0	0
4.8982491044	3.4255720507
14.252092631	16.7871586591
2.2994797517	3.0762371324
5.8705328874	3.6482007884
0.1496903128	0.5682919333
6.9960950011	11.7177933746
2.7604973866	2.0751181256
0.9286666593	0.9320650701
0.1639713817	0.1902111784
0	0.2132577628
26.7697987427	12.7037785484
0.0316920013	0.1804756936
10.2237398883	6.809460914
0.3140188706	0.3973857486
4.1718031786	3.7319534201
1.1958024236	2.7995465834
18.8026068732	14.5410171482
7.2652685954	7.3687836378
97.4202689538	73.8322506948
12.7882348776	7.1780776032
5.2893281248	15.17206547
0.249581228	0.3684811259
60.0925007377	23.9876888947
0	0
3.6026701646	0
5.332435475	4.5757731804
0	0
0	0.1136039162
701.4424361421	307.115871714

gene_expression_table

58.855491369	49.6537749471
1.0282003594	1.100990635
16.4887828146	6.3758093566
2.4568778107	4.0364257006
0	0
0.4273346509	0.7071804062
0	0
4.1479598905	4.6156542742
0	0.009771
9.0897718441	3.4029583224
67.5579673624	61.6021683195
0.1186893775	0.2252992011
0.5889821088	0.8496958451
21.0373050545	4.4370609538
0.2194965368	0.9721924798
1724.3410945431	1768.2099423594
1.0155435847	0.8888980511
0	3.0885623999
16.1037144522	13.1465845598
14.0115645552	9.2641615337
13.8278354434	9.0145847238
0.6740552883	0.8719616386
0.472045338	0.4568090344
3.729388518	2.359740109
0.3340234752	0.5320205372
0.6229776849	0.7883680786
6.8407932145	9.4207571876
3.5088712215	3.7003493195
28.4589732499	14.842283975
14.2594266863	19.2480761835
3.9706077208	3.3702518869
32.0002631916	28.268814277
2.3536518581	4.6142459372
0.0903881013	0
357.9416430293	164.9903543785
4.2482166947	5.4971309763
0	1.026020542
61.628176504	44.8930868474
5.6266716444	6.2106243221
4.3978474937	4.1740530952
1.5738605261	3.2496072618
0	0.057226641
0.0896279647	0
1.3204865138	2.6068443988
0.3583625898	0.5359569097
5.8799062752	3.7204626464
6.181770557	15.1569261154
6.6576888463	5.4580620318
0.4435619941	1.0056991471

gene_expression_table

2.4998240495	3.2725722193
0.2725927316	0.4233620209
21.6441646396	21.9122692874
0.8239614067	1.1078790496
13117.0268164834	19155.4187837667
13.5618651211	17.7421267248
8.3289818053	11.813303229
6.0635853689	20.564626733
18.4217481961	14.264981584
10.5351736029	3.9212029449
0	0
2.1461649549	1.2816779812
0	1.057385572
3.1607950239	1.6666393518
10.7522587401	8.3322586512
3.2351674825	2.3029040109
3.8404863763	11.5636213519
7.9654022326	9.8843565106
5.5844642281	3.4195394568
0.7385017992	0.3823208006
53.7791181194	39.1325421475
0.9383705541	0.566130193
24.6895257452	20.0763295443
2.3210020533	6.9424494811
381.2076748889	276.9966770852
1.5744298418	1.3915280993
11.4531535686	9.2978957416
0.1491881418	0.1887951552
0.5805949259	1.1650772323
2.3851298271	4.0244570863
0.3262116316	0.4345426194
96.7671895925	200.3081557726
14.9000908691	20.4786585688
1.2211693327	1.2672032625
5.8484591993	6.8318118759
3.6735589747	5.1726405442
47.1187881905	25.2867127929
1.0084608243	5.4876199726
99.4485722354	90.8320441403
91.2481857767	53.6958837434
1.7777720221	1.4373348082
4.8053732328	8.2691882952
7.0769288679	9.5527870084
32.9432601788	40.3746343676
4.7355424937	4.1378523162
36.9103686957	8.217406467
31.3843664963	26.336010459
0.1722767333	0.9810602569
38.1264205378	62.9168339558

gene_expression_table

1.5635415375	11.8718175715
0.1646867288	0.3473472728
2.6568875639	3.4631152229
0.0261722279	0.0828013166
4.2134254149	7.6502910005
6.6212602909	10.1480170943
2.4945230864	3.3461848884
2.4702429325	3.468633106
12.0547509861	15.0285296078
35.0286465366	38.4408433337
5.5379515038	6.7278596336
5.6788805407	8.983163139
4575.1993507592	4101.1366691169
1.3522228675	0.3802702086
14.6092990234	17.2950659758
25.4359093649	25.4121533595
667.4583696852	280.5019835094
109.2095270077	55.6650454889
0.1158271149	0.0366443302
0	0.2357180275
0.1879092129	1.3078782082
1.0454372664	0.9260886421
57.4279496178	25.3921664856
11.0559886945	20.2503819722
5.9976339868	6.6411693143
28.1131705576	16.9977843167
5.1083557957	6.53856223
0.6879786232	0.5357696638
0.0190181552	0
0	0
1.851604062	1.0814652363
14.6594691334	14.1108434038
0	0
2.3793154228	0.6021969562
24.8536647211	36.6938909259
136.6155990129	93.4296651686
1.0381333919	4.5980929422
0.5515173373	0.418761706
34.1948082012	18.2201982798
15.4880716082	5.8799704471
4.1443669614	8.8284582377
0	0.1465553519
11.925896535	19.3518735277
2.0091795705	0.9922278671
77.0706513017	33.135752754
37.5060233205	25.9564700561
65.3751601294	55.3878350671
1.6527192011	1.9684603649
11.5899904692	7.8392284317

gene_expression_table

1.6583397635	3.1479028014
29.1072535072	71.7308359539
0	0
10.5198459301	27.9566554954
42.1688783967	109.8671132228
45.4310443252	64.678774601
878.9490666169	806.8702259202
1.1888569033	1.1283592357
6.4317642957	7.4610182152
2.1315384374	0
6.9926034712	23.5974010904
0	0
205.4147195687	187.7409230751
55.0852780189	54.6371906027
0.7907378648	0
144.9006438936	78.8488405633
0.2726143163	0.2587417213
0	0
22.5058152313	37.4373545808
93.6838544617	40.2241490576
0.2827066405	0.0255543309
36.0645359889	13.4381738123
1.4083110922	1.5391681244
0	0.0100973634
0	0
22.015221702	22.2008604082
0	0.0325937292
0	0
1382.930627476	1776.4781173334
6.2958358192	3.850850711
0	0
114.8612842187	109.5870744674
18.9169018575	19.0284598482
2.3164554875	1.675106606
123.7855901155	107.6753291597
0.3415360776	0
590.3918457938	124.7287189239
6.9847022243	10.6998741965
496.639541273	513.9836519364
5.5062567362	6.0970681695
83.5674840068	306.0435981441
7.4421640603	4.7089684935
7.3203794063	3.7055281991
20.843514701	24.0834639629
0.1644093161	0
2.3542760218	1.6464540631
1.00665179	0.4409658651
20.6186173065	16.3078270127
17.1710575332	15.7691172519

gene_expression_table

46.6606163481	27.0863520134
5.5795792015	11.5678022188
10.1878651758	8.1392530772
0.1135812629	0.08983452
4.2245770349	3.4367999098
10.917716919	6.4340111326
0	0
0	0
0.5430432635	0.6872123747
0.5554372781	1.6400925279
0.0787039598	0.1825973871
16.6429781837	7.5219346023
1.1344212642	2.6503228973
13.9734106545	6.92808916
0.2616159416	1.1587474444
0	0.4315645185
32.5633120458	26.582581501
0.3061948419	0.3874845681
1.3081765977	2.0693451303
0	0.0881373061
11.0288707331	15.3525412283
0.9525060922	2.7395020282
0	0.5604340494
0.4406202487	1.3939943085
0	0
88.5750015026	35.6650689732
176.2597817432	90.004194404
13.4218350839	10.7274397506
102.3318863967	90.5521629221
37.5634459901	34.2127086922
19.1325611889	7.3770765324
24.4618136002	22.1114466561
6.4240727257	13.5780932941
0	0
3.6186989044	6.4111660497
3.6368669162	3.3750901383
10.7802636847	8.6646707129
3.0360812714	1.9210556143
41.2713421415	19.4881376718
62.8735374205	34.5481489867
0	0.0353260888
12.6731977792	12.7195747341
0.2859215935	1.5506961585
3.6740494264	5.4510787266
1819.4381205841	1511.7961556315
110.5996782355	92.9885086718
0.1913883667	0
2.4226168267	1.7122718618
0	0

gene_expression_table

3.8459412653	2.9829851769
47.0533169634	67.6263383739
34.179187772	21.6266017583
3.8075078898	2.1647610029
0.8249126812	0.3296568998
0.6663507436	1.835321829
0	4.7529347614
0	16.6883363496
29.8894915004	32.8477336525
36.7964046504	46.7769089232
0	0.2699847609
15.5487877013	8.4143939895
93.9578211923	44.8370318047
5.8609044699	3.0976376243
0.0103590133	0.0655458099
0	0
3.5926197074	3.7886679363
12.3484454492	5.3885365168
0	0
1622.434547473	2376.7707040228
0.2290739167	0.8282551364
82.6133143376	48.6833442164
7.0379078228	6.1496276772
0.3120610581	2.2707219705
1.2706637481	2.5627567034
6.5270168003	5.1028295749
0	0
0	0
4.316562558	1.001465551
1.9988263905	0.2299529208
0	0
0	0.0853411279
4.1648440025	5.6219114847
1.0405235655	1.2801887451
8.5831452837	10.0408778043
3.7714835073	4.2370338194
10.9001260245	9.3109036528
0	0.0501779293
1.7351354823	2.6663110792
0	0.2631016568
4.8944141006	6.4647798483
0	0
0	0
0	0.3676523223
2.7433423132	4.3717135292
10.4714342172	8.5955214238
1.5634552045	0.7245310173
2.9458804533	2.838335898
0	0.0412137703

gene_expression_table

0.2636031735	0.3335855079
1.6437526123	1.8611797434
13.2820401128	15.1273842186
0	0.4028083657
0	0
0	0
0	0.2392886825
0	0
0.127318932	0.2819600484
14.2260805882	12.7762320826
0.0960766795	0.2634308466
11.0541156447	9.6275877303
6.9642894986	6.65959437
1.5730243791	2.9583072334
4.6291523728	7.6887781308
0.9774124015	1.0436338854
12.5476876375	5.4583696859
0.7670496626	6.6128175299
1.5151337147	0
15.7840168139	7.5097607953
15.2611353262	8.7684176403
6.8240604988	12.2339607953
153.7711211765	80.1016793872
12.5389505115	0
16.8016002356	21.5382823253
26.1741487728	11.5930351228
0	1.5330294868
0	0
0	0
0	0
2.4974160383	1.1287282785
18.3430158564	8.7901361691
0.0981901304	0.1242580052
4.1199883322	4.7458747545
2.9905473965	0
8.0224146121	4.109237805
5.7080368889	4.9119306275
49.1955297615	26.7592175906
110.015275585	52.3741910664
0.9103772413	5.7603376005
3.5703474019	3.6066463328
2.5739406503	14.8387192061
1.6484211234	4.3211035521
2.8633121655	1.4493898995
1.2427738373	1.0283103714
1035.7352815917	753.343256239
0	0
0	0
60.7257393586	47.6984052528

gene_expression_table

0.493926401	0.468791841
0	0.0235485281
107.2230601643	46.7666075079
13.5751871495	30.4214601051
0	1.3808540973
0	0
2.8755503285	1.3928440544
196.9052135614	85.4108677051
126.55197742	72.130807976
0.0069	0.004366
145.6567833328	115.875947117
4.9969711086	4.6768182725
10.8925907624	9.1189078495
7.0746737033	9.1284306904
0	0
13.2804836237	8.827517361
7.6972494419	7.6663257993
0	0
50.5775929475	54.2652081105
6.7620752082	4.0592299924
46.2699807146	23.3557708479
5.1373043578	4.4695576084
9.2301575663	4.7353838703
3.9133531403	2.8813291293
4.0224633951	4.2294916943
14.430159684	6.9215578088
16.0713980332	12.7113072172
0	3.341822651
124.3783493794	29.7537769973
174.811474897	224.2514899851
0	0
162.70429218	79.8890535652
128.2192635091	66.1309247657
15.9291384541	12.0948386252
1.0566292203	0.5778625266
14.50697206	5.5761301076
20.7394721091	18.5108729091
3.3713997647	7.4662897778
59.4061134345	63.7817864639
0	2.1245351606
10.7350490837	4.1800089744
3.4167026342	2.4890957459
3.2168887179	7.242107854
0.5742362174	0.0605572123
7.167177053	4.727950274
3.1075969662	3.1714622351
0.9441979222	1.557594533
2.0090180276	3.1275303121
0	0

gene_expression_table

13.5168336864	15.3047708419
0	0.3169521874
64.2434533387	40.6495201175
26.1397030889	46.5453040705
696.5713081134	921.5677698888
0	0.0128638873
0.5909957998	1.7949492617
3.2007679458	2.8463110165
0	0.0352096974
1.1257070844	2.8379107958
0.399003725	0.1817757694
2.9540057158	14.6079149607
0.3580923329	0.090631999
3.6597548384	4.3311791981
0.3116202574	0.7413786444
3.742117205	1.6873934835
38.3442577086	24.9589034105
0.978986635	0.2875998326
45.8918443823	34.4150394257
1.3071392405	9.6492861828
47.3492575985	35.9920415536
0	0.5225011218
15.3061502678	8.3322100088
0.0248098022	0.0784909982
46.0297711966	38.0755595291
0.3932551137	1.2441447979
1.8797524401	2.9734949889
0.1375120534	0.4350481403
26.5258829861	20.258625542
8.5534855771	13.0793579128
0	0.006717
0	0.0489606343
0	1.9075640025
0.8590249139	1.8894520286
0	0
0	0
2.9612264316	2.6231685566
0.1773288333	0.1683050553
0	0.110976882
1.0460723037	0.7838214891
0.0702279194	0.1036843316
2.4237698624	4.6008617218
0.09339248	0.2954666428
9.1410783025	12.2647457482
1.8777221958	8.4488062227
0	0
0.9143993415	1.2343012503
0	0
3.5966935015	1.9229445579

gene_expression_table

4.7970463514	2.7593562532
17.9869097186	12.0238548319
0	0
0.2545487345	0.2684393861
7.3032955564	9.848247143
2.1058008712	3.5531421151
10.6012935688	16.6488419493
0	0
0	0
1.2732155445	2.0140418284
1.3825851664	1.895442176
0	0
3.074138807	1.8785219552
2.423068694	2.3672251574
0.4706636821	0.9430605625
12.6554587331	6.4677076929
2.7583496066	1.3425562869
0	0.0166080093
3.6415089652	1.1520675201
0.3732541192	0
7.2497213322	9.8539893309
36.5036275761	41.9453759477
6.8162221569	5.3911360865
0.968661801	0.8172171185
31.1797014375	14.7423262397
313.9005182451	183.2715756647
92.4286838175	56.9991417306
1.7099211991	0.9600300836
0.0259082464	0.2377018525
0.6410087938	1.8927676886
0.7736174713	2.1211672437
20.605936468	15.2618133712
2.7759669286	2.2931696752
2.5440676977	2.3324775772
2.9350636545	0.9629602073
7.0621651352	8.8280660877
90.037542346	64.3255752369
7.4131609467	6.6656136464
55.3952261795	30.1348156591
1.0485431526	1.8482019531
562.8887439733	103.4924635545
14.9265595376	29.5145580345
53.1389067101	39.3589328672
138.091195244	192.3530867232
0	0.0369438425
1.893839941	2.0513472273
85.0281158194	81.4847756402
10.955598106	7.4602225217
9.4024761399	14.4515682935

gene_expression_table

8.4471049795	10.4429885276
1.9799107869	5.922196663
0.0990126935	0.9397420906
12.1798739669	16.840601021
0.0299974837	0.0189806627
3.8651446805	6.7255064568
5050.7200154995	2303.4214070904
12.2784596477	13.9051955192
2.7682317369	0
9.1869427779	10.5431191107
0	0
607.3919621545	424.5945561144
19.1678727095	14.486598259
4.2956931062	2.5886330567
0	4.4362221899
1.3239369176	0
0	0
5.7341943122	2.7211984444
45.2066330223	45.1747946657
5.7241054436	23.9044142262
5.3370620141	6.7539647524
8.9499094073	7.2965345527
0.0878563287	0.3474398379
0.2654094305	0.5038069449
6.7271522287	6.1970369029
6.9967292983	4.7097056254
15.6727328577	15.8764052054
0.8212111287	0.7144701175
1.42565034	2.3052864287
0	0.0816248558
15.0708445587	7.2130932129
0	0
5.3149798801	3.4515103518
1.1534729368	6.5686551738
0.1630887284	0.0573294779
0	0
98.0338657304	95.7421532087
0.7485257172	0.5166802154
0	0
0.0319642037	0.0202250887
28.2539697945	13.6372996911
0.9170400754	4.8354134491
40.6287088993	16.5854732566
0.6267253201	0.1321851083
5.9800098855	10.8784318649
67.5032010224	49.1511086999
3.1718440375	4.8083378217
0.8394421851	0.4587206125
4.6597160413	5.2867812705

gene_expression_table

2.1923185801	0.9710201665
0.1973625696	0.582771248
3.2717044606	2.4790616469
1.970994615	3.0287460734
17.8005546702	12.4633278135
22.8310088519	14.7056456756
0	0
17.1526535821	16.8411745654
1.1846712015	0.9913945773
0	13.2810500195
0	0.1042742512
10.5134243657	11.7554048313
0	0.0489752252
0.9202809592	0.707078883
9.5909656125	12.6695440144
0.2638042621	0.3338399821
1.0227701784	1.7484389259
58.6321368418	67.3043081912
10.167341932	4.8249768918
714.2701076014	585.9333278965
1777.593621026	868.6695436007
51.2298204529	21.7469400434
0.1719827539	0.2176413643
126.1522748674	30.4083127754
0.4289128577	0.8335583962
30.874616572	42.7486236289
4.6085599556	7.87327736
47.717037105	25.3084738508
0.7710048718	0.4656721671
4.677831126	7.2146573333
7.2774249338	8.5743269828
187.3626789982	71.5127236238
16.8547006639	23.6622456869
6.3736781843	6.1554679379
27.5089001405	25.4395848911
8.0206832044	8.2201056586
2.0824900306	1.7169750793
181.3146348526	52.4777772893
8.8347104307	5.4520638958
0.7971622063	1.2609946796
10.4791769722	4.4684569884
0.0894205166	0
2.4928598475	0.9464020185
4.0245268787	2.010384075
0	0
3.7068645832	1.1727441367
0	0
0.6875930443	1.4985705865
14.4464173504	1.0156502806

gene_expression_table

20.782828503	13.5120960469
25.575540256	13.8119980213
0.7749348379	1.041959083
0.5052465162	0.2325022577
0.9381391601	0.6331732131
6.4848471557	7.7628752205
0.6537856364	0.6205162782
16.3511311527	36.2575926333
5.5027846901	2.1471359278
0.592661694	1.387506822
0.1068680452	0.3042894703
4.6129311644	2.1150684772
14.816147758	15.1038386763
3018.4654472994	5583.1726848757
0.6212836292	2.1621167666
0	0
18.0615392561	8.6347090348
0.9298693479	0.7452651595
2.5181385256	2.055911709
12.2815915088	12.0019961824
2.2158257756	1.0515342392
19.8993491816	4.5786002116
0.0907312778	0.0574094746
71.5620902681	51.8966314381
1.8696493737	2.8307628325
0	0
11.1591316141	7.7963544785
0.3710113586	0.1304191141
11.464431449	14.6767488925
0.3068849835	0.3689400345
0.0159393934	0.0201710418
3.0882674733	3.6755239182
0.0298549214	0.1511236602
16.8150238733	15.1409250405
0.4081357931	0.1549467527
2.0885373734	0.6056897715
1.4233487919	0.4503061584
0	0
33.0750281158	20.6860120969
0.0541445042	0
0.9625718595	2.9899283474
4538.3174615251	7103.5443797381
35.9830716	55.8063343687
0	0
0	0.0873709375
14.9834823292	4.5768780701
93.0828045586	90.0783518982
0	0
327.3196173093	171.7330841318

gene_expression_table

10.1133829424	10.6482029265
2.6896384068	4.0418859667
0	0
0	0.5170558835
68.2854765063	37.549007607
0	0
2.9300241422	2.2181173532
23.7432737599	19.2355201425
1.0195720572	0.258050355
3.9291923069	2.4861643237
37.5326329925	39.2365973516
0.7542967015	0.9545501478
4.2294634054	1.0194889172
5.8303173551	3.1860285266
0	0
3.8607323537	2.1714194203
0.6238858971	0.1973793516
7.3355950971	1.5471792843
0.9394098699	0.7772974319
0	0
77.785195287	33.6426470945
39.8749230057	76.2284148729
191.8235950825	162.2876703128
0.670077124	6.7837731915
23.385100133	14.0379242931
6.2592550672	45.2627713668
0.6998937351	2.6571122491
54.5908488695	53.0178207493
827.8968402078	364.1361309134
19.564166589	6.1895332677
0	0
12.3655727026	9.6405507223
0	0
0.1040334826	0
0	0
18.24336882	4.8097260585
0	0
32.0681752879	27.5955911693
0	0.5641524925
0	0
4.9847815724	4.4157117276
0.1338258684	0.0282257415
8.4445200422	4.2837732557
9.0784681955	5.9816954298
1.2021365879	0.9032624966
2.4709960899	7.4266372716
10.8530824852	10.8597569593
12.5029560447	8.0937081106
3.915440504	3.1222821153

gene_expression_table

0.5566878124	1.2398836178
0	0
0.8245124524	0.1739011722
0.6832162871	0.8252990886
0	0
0	0.0260355542
15.5075518698	20.103201088
6.4553632242	3.0304935985
14.9430978288	8.404553813
0	0
0.0346356633	0
4.2658048503	3.8524276918
0	0
2.6668989476	1.6874585158
0.0543912913	0.0344156451
0.9231228626	0.7301230597
2.0056191467	3.1423825967
9.9946020381	4.9146535782
12.2304961852	9.6067198135
4.8120807695	1.8123837998
10.4477807581	6.340921453
26.3688988862	24.2306519542
0	0
724.2463319001	405.6933612671
4019.1204525126	3813.8188313216
1.7696350031	1.7595632799
8.5159531524	2.9777998711
0.4203030398	0.2045717799
0	0
0	2.9845625568
29.7302511719	24.0172919277
0	0
2.4230187109	2.0122531918
0	1.090097333
8.2733147946	10.8134483961
1.6818777803	0.5320972108
0.1569177638	0.0992884327
3.6271246456	4.0911466374
1.1513497712	1.0284806953
0	0
19.0294627095	27.1463889293
0	0
221.8117247606	87.7184726553
0	0
0.009693	0.018399854
0	0
0.5466933288	0
21.2104451403	25.3826960371
0	0

gene_expression_table

0.9867517473	0.2270396744
3.3105119439	0
21.7445197623	23.8872801186
0.414297813	1.0485742224
10.9221740655	5.0026782798
6.4239661923	7.7229530147
0	0
0	0.5514655242
8.7564970716	11.4769612153
27.6637760199	8.9282291565
2265.648686787	675.7359650511
2.4154196556	1.7830598903
1.9986817662	1.1187284523
5.8155654741	4.5996894129
0.1977529782	0
0	0.0110650369
4.0888090148	3.5645322324
89.2107554694	36.6145144954
1.5271823522	1.0871011728
0.6684178536	0.6344039021
4.6817430966	3.9497795817
9.0841502917	12.2622333088
1.496238858	1.8934658209
2.3910960345	1.3616518287
0	0.0729292616
0	0
3.3681040053	0.877528353
0.9778804104	1.5026684653
5.4417467004	3.0988986804
0	0.2296513816
3.7683753406	5.5636203059
0.6575323336	0.4160482109
24.3496203672	12.1846393481
0.758220738	0.4515369186
28.8007390039	16.6614237731
3.3734617247	3.7538292171
9.8914298177	5.3954494713
33.5859222926	19.1609341489
4.075848843	2.5789600485
5.5968603751	6.9684976656
0	0
0	0
0	0
0	0
9.7896448596	13.568505627
10.6890905373	9.1431617088
0	0
0.6430552492	0.4973074994
2.1381741503	3.1567951822

gene_expression_table

0.6103114911	1.0812749042
31.0680039145	46.0946807088
25.7069232055	20.5322968889
5.7427178266	3.8759016284
0.007009	0
0	0.3016558099
0.2938515625	0.3718643498
4.1633238213	2.9742199812
0.0484961241	0.2863982449
17.2926061958	22.3734398585
16.2882335631	20.2235783977
0	0.0705470443
11.20464297	7.0896462775
0.4736389141	0.1498455762
27.3264091442	14.8890951253
7.9077777708	13.2748087616
0	0
25.1086341072	32.3740862139
108.728738444	39.8863264239
0	1.785600781
4.2151118094	5.334155105
81.1504666043	74.1683144239
0	0
110.0605682673	106.0189905752
1.727027022	0.5463811177
0.7468239058	0.9450934471
4.7852359553	14.1298217522
0	0
11.9635441957	19.890948959
15.8566775592	23.4107606799
2.7818253885	2.8991155236
12.4607968321	11.0382543163
153.7064149593	146.0541533916
106.8248575481	61.418235677
1.9595072176	0.8431062819
24.5520926033	13.2646160896
0.8587748636	7.0639761044
56.7498436891	83.5922792155
0.0322001431	0.0101871887
0	0
1.5188949479	0.8060573394
1.437642596	2.8761201467
2.7397766099	1.8285614672
1.928245755	2.6904366669
0	0
1.6195526895	1.3876941131
3.5839104052	1.4881715769
0	0.727170668
14.1224400591	22.4128910975

gene_expression_table

3.9879901783	3.4938944258
0	0
0	0.4099325802
2097.1152797632	3505.2938616487
0.656654956	0.5877706666
19.5972935403	21.8691391323
1.1772418429	1.638758343
0	0
52.6595779654	30.2630444582
17.4813221189	22.7484310416
6.0844785677	6.6498343421
120.5325192158	102.7499706271
5.2714885642	3.6960849669
6.6114961763	6.9116550766
0.2484884767	0.0786145265
0	0
1.3372419004	2.0384014045
86.3332607333	55.5564808121
6.798651555	8.8724443797
5.9575885306	5.8638462691
7.6698356954	5.841605202
2.4028485819	3.8854227231
46.8012623636	27.275238708
0.6904828572	2.5667721393
3.1546499511	5.9882369325
1.2986759646	2.2410725567
5.1678287686	5.6867850835
0	0.0551901287
33.5228708722	31.0770540467
5.835397052	3.7565137087
0.2811587004	0.1383673434
0.1932270288	0.3532037122
1.0345047524	1.1421655842
0.1008885473	0.7788041269
5.6138461057	19.126774414
21.093815385	22.2791217731
0	1.0166685709
1.6754418047	0.9575296483
24.0069825825	19.3071981191
0	0
0.2709776069	0.4236042581
1.2975965204	2.508744317
77.7429271238	93.8329283662
2701.979313013	4384.5027340585
4.1956807388	2.2123189178
0.008042	0.0152662699
66.7648004415	46.5043796529
7.4772938884	12.5981863092
9.6638628807	18.7038808164

gene_expression_table

0.2358211338	0.0447641686
2.324273784	5.9877084911
0	0
3.0417958436	3.7049925667
30.2413060602	33.4496266885
0.1046416527	0.1544926848
1.9040929535	1.5171546193
12.0545613767	15.068815647
0	0
4.8692486449	3.5211169025
0.6573675098	1.2478317599
6.2920071949	9.1261723727
94.4389946577	55.5907247146
9.2231854265	9.1458059243
2.6472770036	2.1158436519
0.3098127514	0.1960314867
14.4364950866	22.9724825871
78.0542952168	66.1593920032
0	0.0356074909
20.6563144905	6.5350570976
1.8924658724	1.5848501241
14.4245976605	15.4500000539
0.1475702964	0.8170216175
35.7309911474	59.9387945024
11.5034936976	5.782177933
2.0904839416	1.9526112174
8.4459166796	13.4708882139
0.109625649	1.387294671
0.1513955006	0.202232339
2.7794795596	2.4941464052
4.1820972725	4.2746111811
0	0.5293128696
0	0
56.1448368432	27.4512806396
111.5247173635	55.0761783865
6.2882245859	4.0653188669
0	0
3.8386223154	2.244852591
1.4322199881	4.9338943545
4.0965316734	4.6656844927
0.1216667448	0.4234100119
0	0
0	0
2.0749658065	7.9650337913
14.7115105073	6.6489914675
0	0.4993003422
14.5423340696	5.5209258276
0	0
4.0663050993	1.0720505511

gene_expression_table

37.5169028792	20.9457473977
1891.1850854268	3673.4127486443
0.0136937349	0.103975186
288.4531782604	116.9245632228
0	0
1429.4857755345	1598.0702466049
0	1.490007326
0	0.7281295496
6.9798824687	10.5504408081
44.780088203	35.8709505526
0.129423972	0.2292974899
2.0110465009	2.157672015
6.0518130128	5.9647702619
38.0498806101	31.8037698676
10.9265336749	25.7026031341
4.8928600528	2.8144701955
0	0.4525884322
77.4540437379	36.3494135092
0.213847003	0.8118596618
0.5515714704	0
9.4341840459	8.8813066958
4.4951214417	12.7083571366
0.627133155	0.6854049274
6.2119387932	4.053383306
0	0
3.6397221601	2.6868385295
4.7297533729	2.0639398595
5.8260711296	12.399705384
0	0.6912812355
7.1157305329	3.8353951101
0.5121767726	0.3240756675
94.5995803651	107.6218771171
3.4431093467	4.0154575386
29.5999751086	38.4987926409
0	0
27.7978080153	5.9699333409
19.0016106621	14.4921461822
0.6264783084	1.1891970905
0.096360995	0.0609716321
542.0001180021	218.8122646563
1.1569848396	0.6344630089
1.3486876647	2.3804562226
31.6856973023	16.846616603
0	0
3.5998028546	3.1635358882
1.0312219168	1.8069154365
13.0469562127	8.845023136
0	0
2.5766825629	1.6303748357

gene_expression_table

5.242969863	0
0.125562898	0
0	0
0	0
0	0.5991986566
8.5790707611	7.6240687049
8.647704406	15.8941724785
3.7268495082	2.9410429935
6.7653075063	5.2795214161
3.3817020398	1.4672532557
3.6182306809	4.8198018863
11.9844859971	8.1379455007
14.3659463079	16.015599993
0	0.8690261025
16.8704566983	9.337819087
19.0850400609	10.2562465025
3.5494371985	3.8196308762
38.8783510932	17.3939103682
2.8818002184	5.4703066164
1.2625534045	3.3096057333
9.5903521348	8.1920928733
0	0
0	0
1.167591226	1.4775676139
47.8025053147	50.7711534473
1669.6682378597	1052.4094946209
3.9152083618	2.4773160967
37.798212178	93.8263079809
25.3742240734	29.3643589118
1.5211650146	8.7500430218
1.1876006664	2.2543338506
98.5139635929	97.5342284967
0	0
7.5916014351	20.0146823802
0.4673542864	0.4435719084
6.9837552744	8.4843150341
17.1026909055	18.3031795536
23.3488617212	15.5693138386
2.4977976507	1.3945244577
15.4729949149	0
24.736222117	11.7826970921
0	0
0	0
89.8108129191	81.6480717838
59.3387562352	139.8269039785
126.4545195363	178.0470880927
5.4485797038	3.5685107491
84.0055102808	167.9660084952
32.1226959117	21.2354646825

gene_expression_table

48.5709387258	29.7084357494
0	0
0	0
0	0.2621625907
1.4580637973	4.6128897638
8.0508233866	9.5669545987
2.9675763171	5.6331289929
3793.5258040008	3848.4508745325
124.6516530411	120.5978372
37.6300627912	22.8943410837
3.1425833597	8.6165904083
15.0292970487	14.5441933637
2.7712930249	1.9288643167
98.0052985782	71.7836478399
4.4295675159	46.2457486973
5.280560183	3.818550062
6.239698656	6.5801972253
24.7357401701	4.6954012374
4.7667344165	1.5708917966
0	0
104.0540594382	43.2070772464
4.236779622	8.4891609988
4.8585977959	3.9126666117
1.0098777109	4.4729430837
0	0
9.3552197783	4.254596685
3.6040354887	2.5654770047
22.0054023066	18.608360781
0.7265683017	0.6895952333
74.7444601604	73.8743415484
0	0.8136611672
157.5865999372	79.6084814643
23.2700702775	22.3803991519
2.0468415459	63.4609908298
0	0.5988316973
25.6492177116	6.955428389
150.3598735582	62.2514322008
59.3145347619	73.6585542511
0	11.9173346457
107.3831916635	132.6039722383
56.7778683033	31.2901538459
42.8546698447	18.0772947639
0.1309335772	0.110462868
3.6770337687	6.9798392078
3.7277017751	8.0587988572
41.3783214701	21.0908902364
26.2542038009	17.5524423219
249.5759497016	128.7776699376
98.6650979764	53.5951663901

gene_expression_table

6.0826743317	1.2116474465
3.8046201471	2.8587189903
5.2213014305	4.3656508956
39.1966791098	17.4528218375
13.1400638565	18.4101649184
14.1989028039	10.9373353101
54.5333963893	136.1052681173
43.0449948414	20.9023294922
0	0
18.7981595596	27.7535576433
3257.6168430122	4080.2225452344
73.0902179749	24.4226987969
6.4570125335	5.6115770886
29.6801474019	19.9837085965
2.4317314982	4.6159747019
68.500756944	50.3819487952
5.0719683844	13.6392978302
81.4088930911	51.6722877481
4.0144573766	0
0.2119648912	0.3576508075
48.8975198563	42.5418209012
32.4745577377	62.2396276247
11.5482466293	5.9785025606
8.2276873	6.2472022852
6.926653994	5.1132476637
345.1372161258	141.607566478
5.8480771031	4.9244900047
167.9040011846	134.0537600647
22.3811535929	44.1703680367
1124.3819750564	733.1542238648
4.1200587437	2.1724445849
2.0939910124	2.8707373532
2.9365612677	0
12.9064151268	4.5654837632
0.7965422688	0.4774790003
0	0
7.8155331367	4.8133423329
24.521046097	9.9299145841
86.9907656991	137.1086163728
6.2580016424	6.0309267789
0	0.0122956062
1.2342557717	2.3428957604
19.0875713949	21.9032714549
102.3541816192	106.9758734012
1.0129668654	1.0887873345
0	0
3.6298044566	5.0769801335
6.5623729364	3.6564922852
0.3688946033	1.5672153068

gene_expression_table

0.7757371486	2.6996273789
0.4147796731	0
3.1086391992	3.6773713113
24.0280317843	26.2894558975
7.4004367402	4.1752879032
90.6185310586	51.6492338897
0.1827077948	0.867051481
2.8810042922	1.8679425877
4.6778953599	5.8959299628
0	0
0	0
2.9160384319	2.5968066877
18.0942889674	9.302323454
18.1612743123	17.3629150925
173.8318748173	156.5010506913
4.8175052848	1.143088913
1.7349035836	0.6098589252
0	0
0	0
0	0
0.016437904	0.1508137667
1.9148025923	2.0777460348
0	0.0163979391
0	0
49.6794903869	43.4457688408
1.4685343215	2.6749785965
39.948532741	26.7298149775
0	0.0222466945
0.2155872539	0.3410276829
0.00902	0.0114145651
1.1087009702	1.2754935979
0.0505318608	0.127894488
10.0566075952	5.1511912707
1.0310953525	1.522306703
3.1904317257	1.9177836228
3.7956841783	13.8097068415
25.0690997007	21.0480094307
45.3014906675	76.1911547547
0.3484298885	0.4619291069
0.270047202	0.3417403206
1.110013962	2.0573327369
6.7098187842	8.1287381918
10.4909691393	8.9469706429
9.783101823	7.7648720689
4.0503936073	2.0897112796
0.0974586564	0.4316631789
21.7539943205	11.6054994494
0	0
0.1111313929	0.2812699229

gene_expression_table

0	0.006682
5.1568783406	9.5445542986
0.005542	0.007013
22.2904995329	12.859649242
0	0
0	0
5.6185347866	5.9517664489
4.340507538	4.7146888255
35.2027976517	26.0656497868
0	0
0.4893590729	0.6579806531
1.0637940044	1.5015463025
20.4791225635	11.5939977197
1.1630948573	1.7785186856
0.0326387265	0.00413
0.3233658437	0.716124833
0.3519421399	0.5408149603
14.3262204754	10.8522240774
0	0
88.7252172856	42.7489262774
14.0615593005	15.5703392943
6.1221831869	3.3818551751
2.7480958099	1.5538527023
0	0.0494665322
3.7006634641	2.7426659037
3.0698176018	3.6420037532
16.8448297416	30.6663553014
52.2996608168	39.5869105061
0	0
0	0.5993575765
0	0
33.6456929039	47.3089716448
0	0
1.5040609118	1.9447419913
160.8708254653	100.9414527124
1071.1053889561	1675.7096920198
11.3785654693	11.8583200527
598.3830373595	1374.1546249356
1.2598515171	0.7971607522
2.9267653569	5.5556605881
20.1650220189	14.5136501721
3.7422578209	2.7230655136
0.2646664536	0.6884694247
0.1732375278	0.7490333056
1.350347346	2.3869545989
30.6006956294	32.143015182
5.2046826594	6.016460385
0.4021199815	0.7170529182
7.8864931136	4.7227865315

gene_expression_table

0.4107010477	0.2598677318
0	0
0	0
0	0
0	0
0	0.0301595333
2.522336269	2.2343827272
0	0
0	0
14.0749484897	13.493649454
0	0
0	0
21.6142353687	19.6512830956
8.7020706081	3.9575554224
16.6072655074	11.2586909347
24.6686432231	14.4778039773
0	0
0.1952932646	0.3459966083
0	1.457213595
0	0.1199702236
3.8415645196	1.7825269421
88.661712752	38.6670383065
13.8759743912	10.7644094757
1.4044216254	0.761688263
0	0.2536491071
10.3388493383	2.9623346862
0	0
0.0445360411	0.1174159002
0	0.0159358098
8.0542976205	2.8163713429
0.5431517091	0.6561064467
7.1208841039	9.2366465144
14.63152961	3.7942544243
40.3123142234	23.5335092102
0	0.2109751999
329.8035844475	132.6611896094
0.1626614775	0
1.6749658498	1.0454990492
0.3099979005	0.0653828794
32.1493262349	13.1906605238
141.152276234	162.6771576964
0.1136214519	0.0718930452
4.2053016776	1.9606412529
3.5170595135	3.4832201738
0.0837662886	0.4618783587
5.1787750877	4.7104396995
0	0
0	0
15.6884575865	15.8827893367

gene_expression_table

3.2080009928	6.1797241911
4.7317483952	6.1675887684
3.130036773	8.531406973
0.4958656721	2.3531621395
0	0
0	0.0594580467
0	0
40.4594050658	101.4705096156
13.8264383976	6.7677585339
19.5412251982	40.109395712
7.3887897066	7.4803140918
3.7206100908	1.7236001941
3.8668810013	1.3829385046
25.0307661158	28.796386753
3.2069839006	1.6389634609
0.6889597238	0.6539004528
0.8616678394	0.7723854857
0.8450125038	3.2491773668
2.0544948794	2.6540948941
0	0
2.3127782203	1.8396921958
0.0454507529	0.1437929623
4.2584700107	5.0720227766
0	0.0112881949
28.7692304436	7.4468845095
0.6205218591	0.2524050872
1.3013747288	0.4767250777
0.0475022014	0.120226519
2.7668447175	2.8220212773
9.0741982384	5.6352983982
1.3905507203	0.351943842
0.1432684714	0.0906519545
0.2872381841	0.5452428413
1.1039019787	0.8628343577
0.2378521972	0.2006653788
2.5129594695	1.8550636639
0.1483645706	0.1877529393
0	0
11.3726973715	11.7568145621
1.6885086914	1.495746107
8.1317899765	3.4988200864
0	0.4531258703
2.6892727383	3.8286345353
0.5143395643	1.6272207812
0.3860382414	0.4274594497
2.3484946058	1.7690366315
16.9449303296	10.721766196
115.7740499292	56.0377028489
0.4248232476	0.8064103151

gene_expression_table

2.3183378429	8.8014559511
6.31095113	5.1299539054
40.6443492881	36.6523287995
15.851143593	7.6646038249
0.271973607	0.4589042062
0.4490383168	3.9777545569
42.4004216301	18.2231458642
24.0529218122	21.2628917272
9.9271054067	7.3281772948
1.1630123994	2.0156893603
0.1579361115	0.5995967037
5.0049424879	5.2026598986
0	1.1681453541
12.9789668568	12.0293360933
142.3576837914	170.7079061268
2.6305024158	7.2125252668
13.3019972706	4.872843726
619.3766965786	892.8179265904
0	0.1431074322
39.4874649894	46.5828946926
0.9217807141	1.3123107321
0	0
0	0
5.1585157907	9.3365830609
0.6035257359	0.3500529794
0.7465533175	2.1256897993
0	0
0.9101225678	1.612443329
2.3801599994	2.4237618644
0.9523126588	3.3141242904
0.0573036698	0.0846030005
12.94998911	36.5998657066
32.1067677215	25.2024649079
0.008218	0
0.2405284721	0.1521924252
1.5262114139	1.4807366271
0.9090919272	1.994097692
10.18836097	12.2320143299
1.1816131454	4.0186513326
0	0
207.5035832833	102.2752904398
9.3058132053	8.1674716842
36.6333274428	14.5132520841
0.2589527656	0.1092334976
1.7168525208	1.2116695262
26.7467082772	20.2144924184
1.5231925304	2.8037458224
0	0
0	0

gene_expression_table

0.0678394349	0.0858496961
7.2823781846	5.3354229632
1.85799185	5.5842385099
1.0248519656	0.4886995468
2.1792861933	1.9092815033
1.5211139705	2.1874373515
0.1774395461	0.6736405369
1.3767685813	1.3793035262
18.1521214875	8.9643758332
2.8921199579	1.4428572318
0.4393425257	0.6671769431
2.9899274654	2.0269844687
0	0
0.1235736212	0.3909509951
0	0
2.6117752486	3.026151972
17.411241956	6.8482941768
20.3110862076	23.7526471502
0	0
0.576868578	1.692313892
0	0
5.9992150439	20.4160785048
1.6659243958	1.1161059331
0.4430096609	0.4048932951
1.8305878083	1.7983968189
76.2344288146	91.9227905303
55.2347447549	34.479162974
1.1150420216	2.0212587862
0.8171612229	0.6319525497
1.7479531355	2.8756079629
1.5263810034	0.8752608779
0.210831067	0.5336065391
0.148121044	0.6091954711
3.8122940207	2.0832618127
23.5973496146	14.6006976114
113.7423907863	34.1394106009
0.2013470846	0.7576990332
3.3054336762	6.4645935465
0	0
3.1257390112	3.1644573064
0	0.0866609627
19.7741307801	16.3949292116
3.5015624965	7.8237847281
4.1102969891	4.2150196924
0	0
0	0
0.238265141	0.2638305616
40.974762407	15.054065464
0	0.1215585912

gene_expression_table

1.6544339235	1.7796102273
0	0.6463839416
597.8553002948	421.848498508
4.0532610107	2.8663934037
44.9579202988	52.099116173
11.6278540041	12.9252141639
90.0974913146	47.9389250187
0	0
16.868083993	12.7727768562
0.0176103491	0.0891424359
0	0
0.0921904441	0
0.6018428916	1.1847458671
0	0
147.5396651861	26.0109915135
10.6305831445	9.8607125232
78.6183736039	31.6137296672
7.975262595	5.9273791332
0	0
2.1229490344	0.7164152818
5.5292331286	5.5977233257
12.2380449275	7.2694296814
0.1756126111	0.7037438157
385.156245641	202.4621726031
11.272020604	4.7145572554
0.5002261654	0.5626915884
17.3405188821	21.94414324
0	0.0160373505
2.7119602816	11.4398047111
4.8472546313	16.1020689758
1.1231679547	1.0885027437
0	0
11.9576486515	5.9389852285
36.2516449365	27.5818079162
0.0990428358	0.025067418
0.8604484227	0
227.7885335561	65.2383929098
0.8239231124	1.9755686518
226.5674903764	251.3987794621
25.4398874611	44.7438723382
12.4340245421	7.5905018077
0.3440771932	0.2660924839
11.3013611801	12.7260781887
0	0.0223733782
8.8306592407	7.0221629046
0.2055121007	0.1300361023
6.942755907	3.8102308732
3.3661882634	3.7880367126
4.1556043486	0

gene_expression_table

7.7843246884	5.8210074413
0.9319254438	0
0	0
45.2130200502	36.0388622045
26.2204091983	16.7534040615
3.2810305035	4.6503413359
0.6658586159	0.421316598
3.9450765014	1.6974261442
522.5873222164	156.9740159491
7.3359578324	4.2549534231
0.6458323653	1.1967465152
0.5884556186	1.7313832504
0	0
1.3524450698	1.6790003511
2.4039016822	3.9112692307
0.9973316342	0.339798007
4.3258904312	2.3888044976
0	0.004368
0	0
4.9659218665	5.9986432812
0.4490954079	0.0710403624
1.209679348	1.2756912038
0.4528211463	1.8623727199
18.6041134012	8.3640320949
1.9622441332	1.7382315164
9.9133283605	8.9507566726
21.5525374401	14.4033263217
22.9197681442	7.2511479991
41.3895157676	84.5186513286
2.8580702094	2.0667663651
0.0255331004	0.0484675818
25.1557810409	10.6114099243
8.176536334	9.7353375914
60.1230179099	75.4399109785
2.147865507	3.7449222026
5.3855535851	3.4076650215
1.9781848957	3.9868336357
0	0
0.1222236573	0.1856064489
28.7865929175	15.6954574035
0.5439671586	1.3193979688
2.627587208	7.6003855262
1.2381333442	3.6786619836
4.4470945817	0
9.9460361521	13.4568924766
2.1429049617	1.2761464501
51.0616350654	42.5716378855
17.8986810441	16.4536566197
83.5694012073	79.5282949792

gene_expression_table

3.1148709844	4.9272729034
48.0980745083	44.0201205626
5.8429952786	2.9757206827
21.9883022446	13.912918562
96.8472420495	46.7451078093
168.2836519416	38.8052497489
1.9982742188	1.011513346
62.8379760086	59.07232065
0	0.8012433127
0	0
58.8010603425	186.0294521157
0.6169174529	1.8704245774
0	0
0.4019896254	0.6782817347
3.6580775776	2.3146186942
31.3746590344	7.858106734
1.9285212051	2.4405120662
0.4773118702	1.1864882283
106.2196908967	36.5089410141
10.4343416087	2.6159836246
0.229971501	1.1822897774
0	0.6589065416
3.5355828148	0.7989682622
33.9214083891	19.653319771
0	0
0	0
213.0190642007	374.0622643997
11.4035530542	15.5948011461
6.0475397436	3.6154123824
6.3406450306	10.557871918
2.2848229174	5.7828121199
0.201126153	0.3658751731
0	0
0	0
0	0
0.9932000934	0.3278813441
0	0
0	0.0398968652
0.2547018661	0.0966963146
0.0676460417	0.0428024801
3.8387567877	3.6994654894
10.0064127374	6.3314758895
12.7538958121	6.2147685594
0.5358061385	1.1865943448
8.7777142973	5.3071813481
343.9604950677	72.1315152249
1.0968086946	0.732552113
6.1652776148	5.3174740938
14.7177654012	11.8768699898

gene_expression_table

0	1.2346178127
4.6043396996	4.6270985072
0	0.6585737045
82.7253192451	23.9115857223
2.9228495625	0.9247045879
0.9888756149	1.5642574111
7.7622133967	6.2115739741
3.3244834789	1.3147123465
4.2884559009	5.7569893519
5.1238318924	6.1487397156
0	0
9.0428903405	4.6319454491
35.1810387448	12.7755997836
7.7583451126	7.363544206
10.2647981875	7.7939606059
18.8315657837	14.7289058786
9.1265340516	6.0276481555
3.9755731187	3.3930153814
56.7185398194	39.1507555419
2.1436426264	2.0345585317
12.108857099	8.4976109654
1.155804928	0.9903374586
12.1603796535	9.1101469311
1.7076074826	1.866274448
19.6636161805	8.7430217228
1.5062652321	2.7003848809
2.3525189886	2.7565503071
1750.5602395372	2586.3621257705
1.4062064379	0.8429358623
0.3962136656	0.9192368502
0	0
0	0.1128891168
64.0094445549	94.4708589802
0.9399397381	3.0397780735
5.7682711017	5.4747396039
0	0.0469540124
626.916481041	807.7397833303
6.3116390234	7.4880712777
0	1.7692713649
12.2226935843	6.7146252888
0	0
7.139663855	5.2234333295
0	0.893323768
12.213829978	3.4643660148
4.7324663247	1.9055459782
1.4079976012	0
8.6098488319	4.4101331115
5.4415568113	19.5419223538
41.008409845	51.1914640895

gene_expression_table

9.4630508783	7.3096208137
1.1666436668	1.2918224316
6.9564049837	11.444181859
0.1681893034	1.0287306042
62.7073448656	37.5275444656
96.0493457925	88.9911423196
53.2526307381	35.174466943
0.7938180902	0
16.5689511988	7.6008046433
7.4723352679	9.5266862031
14.9666699777	23.1011536061
8.1325291417	7.952586643
19.361437049	4.9003164302
0.7626636439	0.5055486735
6.583026058	10.9813929414
6.3041828955	7.1800563795
0.6218190246	1.3901932027
0	0.1774904922
3.9631527623	4.0958324565
1.31532037	1.3488322805
19.7410266372	3.4549500577
7.7149329806	5.3697168787
6.3715336232	4.7563063203
352.1995487868	337.4606708376
36.5023144087	15.1427653921
0.8001166844	1.6706820691
2.2617193823	5.1703696507
0	1.5174073676
1.2620722223	1.2244676908
118.063967704	132.0853523821
6.3140566583	3.9951677536
7.2871677167	8.2996124827
46.2185912461	19.1481425689
3.9135558522	0.9905081939
0.1623666693	0
0.6012558674	0.7291761622
30.3863976682	12.817829876
1.2653964112	20.8174002045
0	0.0347916557
0	0
0.0510139427	0.0322786554
0	0
0.2034856444	0.0321884697
9.0307186391	16.231394648
1578.5427026911	724.8001738305
1148.3567373959	1247.8028788319
397.1567717257	358.9967169098
251.8965540205	217.5738381908
1.2796669082	0.6940275249

gene_expression_table

5.7978534898	5.6925689228
0	0
9.788874537	4.8473455077
90.903845125	34.4272302404
0.3707319807	0.3980711318
0	0
0.0958252218	0.1010543768
0.8377099158	2.1202164145
0	0
2.5734298312	2.1535801467
2.9366433312	1.3116261672
0	0
0	0
0.4823452789	0.7412000816
18.4088546488	15.4084471981
0.3522601703	1.1144487209
0	0
1.1657819174	1.4547879918
0	0
5.7639424381	6.9626215453
0.9130262276	0.519938896
0	0.1103299204
0.1854735198	0.058678427
4.2458393747	5.1195950378
6.3806804928	15.7007022681
4.926532805	5.2102162106
3.8748007978	3.8601998303
55.6888420586	87.439118605
0.0533459458	0
5.8038375844	4.6792602179
11.9601065485	5.7514213593
6.6523685253	8.1633586866
62.932795607	54.0417164868
0.1240925081	0.3140740817
47.3750839036	27.1659287142
11.0730082395	15.2761521066
1.4597413526	2.019118715
1.9628785587	1.0161780282
0.480356022	0.5774885603
0.4266488814	2.7397925312
27.6064428608	26.0303742281
0.1420307309	0
2.2850293762	2.6025005971
6.8410782316	7.6183999713
0.7163589603	0.8417876595
4.193562889	6.5388408141
2.1284375241	0.7070445114
7.8804965177	16.7041712429
5.3248638236	7.3432678467

gene_expression_table

0.1435129484	0.068104984
1.6890161945	0.6887249922
0	0.009172
0.2739463081	0.1386698302
0	0
0.4765200546	0.2192830331
2.2636082718	2.0461137661
8.519338279	10.6732725225
1.8687003617	1.6238360397
10.7317039384	13.58079594
2.4831794865	4.6088871492
2.1963691972	0
0.0792373157	1.0027352794
0.092728413	0.0586731456
2.4523121404	2.3872007186
0.4782238315	0.4917123599
12.3734168475	15.162839175
0	0
1537.3582926846	2458.6278915668
7.9623805949	15.1143937641
5.7862799768	7.5936443254
0.606673281	2.516465122
22.1732915601	13.4761544723
9.6053503934	6.9099241055
0.4252746449	0.6577732487
1.149953765	3.7836440079
0.5358177496	0.8287505172
0	0.0644063567
0.4407860143	0.9328849521
0	0
43.3145073315	22.8390837983
5.1814429744	0.8196289251
4.9037484219	4.2713962937
0.3478845666	0.3616275488
0	0
5.8234574868	4.9129935158
0.9954044233	1.8895020438
0	0
15.8007922897	23.3282518022
0.2855838054	0.433681966
0	0.0961358057
1.4666476384	2.378023852
0.0896773751	0.2837131315
0.1383754386	0.2042971654
2.0430000486	2.4468805018
0.9393986328	1.3270254326
66.6854657203	29.6125338996
1.4231810851	2.1188381217
0.8136356794	0.1144047394

gene_expression_table

0	0
0.4512656153	0.2855346304
7.995775653	3.3115167523
0.0954611806	0.1409386579
2.2621503164	1.5458656971
0	0.1889775924
0	0
24.2796500412	20.8701511552
5.5916499324	5.2390663785
0	0.4920330638
4.9247016344	5.5481152254
1.8276235479	0.7863614282
1.8547722996	3.8337339182
6.726131935	7.2165345948
124.0152691183	104.7279739376
56.767666794	64.5059210176
0	0
11.4913483613	13.703145453
11.6574323985	13.9327185002
32.9533577896	16.829709768
5.9231049815	7.4462794407
0.1691465719	0.0891884259
2.6571718015	4.2867678231
2.6547140612	1.8324530493
0.2541458102	0.2412130269
3.184417752	4.533557198
0	0
0	0.1218691728
0	0
15.4069658958	13.687472887
0	0.0763532041
0	0
366.7726775812	226.4121117645
0.7695821555	1.5732128031
42.4943155548	48.5120869923
0.7887718364	1.0889213101
7.6095813833	10.1531596163
0	0.0101643682
13.5414384268	16.3575386044
4.5064845972	2.8936848778
508.2235526891	30.452111731
2.8033838859	0
0	0
0	0
0	0
0	0
35.7787173155	1.7414377697
0.9281473676	0.369767417
5.1482147651	4.3433210968

gene_expression_table

1.3453836913	0.1216115052
0	0
0.1143783115	0.0723719419
9.7533976227	6.7454647496
1.583789477	4.4442280271
12.4203415652	15.0735696168
5.2695314172	3.7153104221
0.2433095448	0.4233683471
48.5120891787	58.16013726
0	0
4.38181396	2.3104641467
5.8270216696	8.5084623332
0.0886307276	0.0560803686
0.1040107262	0.3948716223
13.3195056128	16.0894522714
0	0.0359220921
0	0
4.4426200004	1.9893453701
91.6755781045	132.0065224274
7.2117851775	17.6443661338
0.1235279365	0
2.3718781137	2.1962729181
6.7370281098	1.894577548
1.6375673932	0.8996095136
2.1195398926	1.1455413211
18.6265453315	7.9110126437
3.3653505788	7.1208903464
3.1292893339	2.1621041856
9.7546015905	3.9277282826
0	0
173.0438616382	94.1745431951
592.1681960168	320.5791016575
21.950068415	16.1822775705
0.3189485169	3.4308051506
1.9713970464	1.9403772443
5.1221546843	7.4352387799
0.3148345456	1.1952539159
3.5682863971	3.7187360964
7.5877807533	11.4266329133
5.7534544849	20.5764639228
3.880337171	2.8555644024
1.01352049	0.5496829781
1.1461064506	1.6115322019
154.7499849677	83.0604480974
3.1362057171	8.3955745889
2.0240541809	0.8352415714
0.1806467691	0
0.1665853422	0.2371624064
0.070305131	0.0296566648

gene_expression_table

0	0
0.2936282286	0.1857908622
4.4099083045	3.9102631921
1.5324417748	2.391778692
0	2.6596139763
2.820936379	14.6363804224
3.7602989695	2.6767107503
0.1100413264	0
13.5383721933	14.6130904008
0.7051130245	1.0596169476
7.4932310348	9.4825614087
0.2874118038	0.1212383135
1.9953473782	2.0516270906
308.6352928679	114.9558591185
306.4463900816	110.8008280661
1.1106226918	0.5354189962
0.0160372076	0.0710318842
20.7531080477	20.6349935434
0.0878735016	0.6672148805
0.9681939424	1.1748452151
0.004104	0.002597
2.2159747154	1.1217119142
0	0
1.6569908406	0.723067182
0.1758335798	0.4652576359
0.1408831942	0.0278570906
2.4389006594	2.5505575138
0.5909148221	0.8101091373
23.8113023221	11.1686300379
8.1900476486	11.4124539506
31.5823364007	30.7437927294
4.2751159946	3.1558854954
0.6686636885	1.1987592068
14.1103136736	7.4803717782
6.1228049966	5.9661984343
6889.7823066739	3519.9699291117
0	0
3.1284823598	2.6675261231
0	0
8.2456133417	4.3063795549
5.5965427957	2.6643063896
1.4796292576	5.9193474525
65.1239045614	35.3274575872
28.0150163071	11.4892507827
0	0.1161544629
3.8543634765	3.2956986389
3.0560034226	6.3283457216
7.0089138071	5.195090011
0	0.0300061315

gene_expression_table

0.4153928814	0.3212445515
3.6502144032	4.582034358
0	0
2.8422690483	4.4960562848
1.1098095221	0.8988453197
0	0
0.1588551268	0.6030857001
12.1363772287	24.0847432997
0	0
2.6094839123	3.3022592428
0.1352572994	0.1283744264
0	0.7139632603
19.8515985747	21.3363857556
0	0
1677.5317010321	3122.0809292152
64.5471089645	65.3466491734
1.9688949359	2.4183218814
1.2505193562	1.4607801299
21.236411916	15.2814830167
16.9161300014	10.1197134042
139.3307309762	64.848742122
0.36983735	0.234011561
0	0.1620646901
0	0.0781592098
2.9715163291	1.9697361354
6.273472397	4.0640000223
24.6584861071	18.6468371576
0.1187228113	1.2269745152
0.8228192774	1.4817992642
20.0764902996	15.736843577
1.204077741	0.8484465275
0.1192963847	0.3899996981
0	0.1469959873
0	0
0.5080305296	0.3750275271
5.5148535461	5.6704025872
2.1874480646	5.3338098105
0	0.0185755568
0	0
0.4471974632	1.1318421619
73.928030519	129.1249964051
0.6884302899	0.580798187
104.72827014	110.9691821547
23.8765238127	24.9546422846
34.9812469445	16.4140503102
238.510329025	189.5581750008
1.6058524771	0.9314158629
0	0
0.7637708002	1.245348926

gene_expression_table

0	0.1757597336
0.3456806548	0.437453219
1.8323886966	1.9323816232
0.4834371615	0.2960234646
1.7737335634	6.7338925063
0.3809055028	0.2410148442
0	0
0	0
0	0
6.1515318998	5.5390871926
13.8009104884	7.2415134962
2.8225851454	1.6236069866
4.6492135253	4.7803467819
2.514074434	1.2051212528
53.0028850461	58.8896250225
5.6536033674	6.7371943397
1.8114006922	2.1848465039
6.826752082	4.730959364
5.2087642122	2.4968204473
2.0481301045	3.1102502083
4.0864207797	2.8474872644
0	0
134.5391297062	138.3725639998
6.4364990939	2.8464703577
2.7249113813	5.1724962275
7.8238630593	5.2719455079
48.6630578154	28.3243359728
0.1412295367	0.3217026069
1.3323072351	2.060682594
0	0.798034988
4.1731385441	5.0169866926
0	0.0110784822
21.0282985252	30.9556159611
0.5029997454	0.1425084978
6.6641352656	3.7146917587
0.1346371639	0.8235087972
17.1289958243	13.5033711829
0	0
0	0
0.9877168791	0.7440116475
47.2615784369	34.2473369399
9.0648992853	3.8800600521
0	0
0.1520729548	0.4811145974
0	0
23.2143347451	14.6886806078
0.2764023193	0.3206340662
5.7942680285	1.9409695124
5.5958091681	2.2531743331

gene_expression_table

0.0181425629	0.0229591169
0	0
0	0.0216943215
0.1398872553	0.2447110783
2717.166035269	5127.7663536761
0	0
1.0161195168	0.7715295849
1.8702231237	1.0923400602
1.3723365948	3.0391716808
0	0
2.4355640144	0.5630881023
0.0907343853	1.894577548
4.4749327158	6.2736649643
1.2993618754	1.1875653235
1.1635035139	1.3251552129
0	0.2308713933
0	0
18.0194186748	12.4151190196
1.8953786187	0
0	0
0	0
0.7396747001	0
1.8682008535	2.4955208497
0	0
0	0
1.036172789	0.3642388138
0	0
49.4424931446	53.1106126941
2.7013187528	2.6706833848
33.77847797	14.2487039371
2.8449943475	2.0814198817
0	0.0619682269
0.2172338449	0.1832705869
0	0.0150405858
9.0393940762	4.4390946591
29.459288293	15.1826815905
0.0143796217	0.0272957645
17.5360609036	5.5478996181
0	0
6.5446030316	5.7337533516
1.0700216323	0.5754903273
27.9180787661	39.3675721011
0.1550456031	0.0327012795
0	0.007799
0.7838602289	0.1907619824
1.1485992388	0.8531610052
3.2018896707	4.693496064
0.5243177396	0.2875233965
0.479051992	0.6418931998

gene_expression_table

1.6858476542	1.6762527994
13.6705189215	19.9085210256
0	0.3601454138
0	0.0159290083
1.9116074509	0.8567674119
1490.4794678045	584.9698849482
47.8310627968	37.3858233252
0	0.2787193922
0	0
0.1298790072	0.4930792828
3.0493209557	5.1708802158
0	0.0105780023
0	0
195.8860788751	57.2055303105
3.0265903013	5.3032161616
24.2410253667	16.6720768573
0.1594447785	0.2185893247
0	0
15.3481352415	8.8545182862
0.0834952765	0.1232722258
11.4133335829	8.666032269
0	0
51.1207139773	54.2017640379
63.6659535989	45.5846529127
29.0372456013	11.9824433926
2.6169491565	4.1036361757
0.9794569228	0.8091093919
0	0.0907795978
0.2135195266	0.7655821686
9.9334780256	7.1832309104
0	1.7250399059
13.5761357998	12.8852834795
10.9700720437	6.6657780661
3.6656225352	4.8707246795
0.2321893687	0.2693458637
0.1857242877	1.0576397283
12.1545590673	26.3681071735
3.9735629193	9.9090614255
0	1.1400049325
0	0.0576322346
17.1832459706	13.7243770856
0.1445482525	0.1829234511
0	0
0	0
0	0
53.5693524922	35.6427643648
5.0656392873	7.5760262236
14.7259780874	29.3802685057
45.9111176099	37.8911536861

gene_expression_table

3.2263287214	4.1995195892
14.8329278848	12.2418442276
1.1785661249	3.5049219975
3.6216671365	2.2151942757
0	2.8633010474
0.545182549	0.6899196056
9.1372582725	6.7227040748
23.7972851401	5.9049167477
0.2343371105	0.2965497834
0	0.3684662488
97.9460905281	26.7650069948
9.5882587742	6.004347104
261.6169716	82.1263880469
103.6564090833	74.3861019342
0	0
4.391672101	1.3315057622
97.390091308	52.7348828261
35.1445848687	9.628586114
1.876219645	2.5901730509
4.7332349922	2.3596306007
0.028495715	0
11.262911877	3.5632577261
5.4052316017	3.7865571391
0	0
7.0926083317	1.2822257036
202.4005089129	134.4706314471
7.0543479583	9.3329421413
1.2077294912	0.6686583455
0	0
2.5785290743	2.3845631394
12.1299672919	11.7272290028
0	0
0.3875471611	0.2985254078
1.257892098	2.1603568529
7.4276425042	4.4893421827
0.7033684948	0.6558641414
0	0
9.5319374996	6.5795515201
3.2619622944	3.8020683949
0.3830041366	0.2851091031
16.1686262025	10.1002404206
0	0.003546
0.1680609626	0.148874881
0	0
0	0.0288671599
1.7838089929	2.7326192587
13.9919033806	11.0665781569
0.1835253487	0.3068995781
16.3230754979	9.382189491

gene_expression_table

1.6531431103	0.9550551597
7.5909925213	6.9667143806
48.9031556525	34.242945189
0	0
54.6033609059	34.6925983015
0.2682882318	0.0636589449
0	0
11.9943170946	15.1786122537
3.1626195085	3.848310865
0	0.044374385
0.2015212059	0.0637554481
33.8271220915	18.7752939263
60.1526647717	32.1753688724
13.8649603032	9.8363270374
0	0
0	0
0	0.081540835
0	0
1.1583579695	2.4187070799
14.6946809736	8.7228090382
6.5930944805	7.1627759553
0	0
0.9048248063	1.7652715484
2.1906047169	3.4341862801
3.3211008595	4.428755787
0.6969564313	1.4209790122
0.7780774921	0.7122959126
0	0
1.1321192123	0.7449927474
1.8258960338	2.8420891546
0	0.0487209511
0.5770595098	0.7302593784
1.1146349549	5.8345573168
0.5447421431	0.1723405698
6.3698497756	5.0380879907
1722.6255684079	3466.5822287538
3.9275081692	1.3806103885
0	0
0	0.0192027279
2.0220247293	1.1125388034
8.5635577952	4.2896626289
1.3977665911	0.374179972
0.0207359226	0
0	0
419.9097048114	1581.8087252249
7.4653986046	4.3711572779
0	0
52.9303808116	44.9053296467
4.8951166075	2.3230087737

gene_expression_table

0.8605382617	2.4502434884
13.6911642964	10.4206768578
4.7414431662	9.4560410751
54.4043649732	103.8652678874
0	0
12.2033607152	14.8619595886
0.2737825081	0.5413551398
10.5284464309	12.7906338108
0.2242991933	0.1419234816
0	0
6.1402341819	4.1626960736
0.9094396746	0
2.8708348573	5.9593858663
0.5650476089	0.421701175
1.3809618579	1.4854469622
0	0
12.0449366105	3.0485340847
4.0850102029	3.7250907171
6.9245965837	4.6138332151
0.7829661045	0.4600285898
1.3577776636	0.9947736772
0	0.0494140365
0.2247232148	0.6161643703
3.5087345353	1.0447638139
0.6099123304	2.8943778224
8.1827808249	3.7836217801
0	0
8.4366260384	9.2557607217
2.0076198339	0.635152522
33.8950974106	11.9149143909
0.1114954072	0.0282191231
0.2034632404	0.2343062589
4.7892781704	3.7879707818
0.2004711624	0.2536929796
0.6073270493	0.9881517278
1.6352364773	1.6178672104
59.649093256	36.1014990879
0.8669651428	0.8594186715
4.7301458974	3.4756968344
49.3169722142	36.2788804563
1.1169038624	0.6342285311
0	1.4411456267
0	0
0	0
10.4849056505	10.3370690884
1.7071349604	1.6437456242
0	0.0117357206
4.1611432148	5.3711759052
4.5762238395	2.4129735322

gene_expression_table

2.138852329	2.7066826659
4.1800927672	3.7784564853
1.7383798555	1.3749320599
4.5601323772	2.6662432191
2.0408655016	2.3547982369
12.8652970993	14.7917235305
0.0107832238	0.0886989575
9.2630368756	7.6330746444
6.3273229125	6.4267703662
78.6711454251	56.0443526297
8.911285154	12.0288914352
47.3083734398	46.0038111405
0.4349466274	2.2016713936
4.0190886963	2.282220347
26.364501014	30.155783111
137.2094463697	184.7668447073
8.4221648401	9.7985867993
0	0
3.3955781993	1.0742621789
0.3461452273	0.6570616918
13.2115444773	2.5078490419
0	0
2.4216605261	2.4078778564
9.4675990435	3.3435605178
2.0738763932	4.9726547643
8.8360180117	4.3777944326
1.7626066349	5.576374723
3.5252132697	5.576374723
3.1241388644	2.1361905413
8.8283099706	6.4622827151
0	0.0382322046
8.581191738	8.2608686863
2.5368298021	2.1067703041
16.0544306939	9.6383963333
0	0.1162839628
29.9278504197	25.8226401677
515.193343673	510.1655518346
3.2037783414	14.1901519551
16.4726818064	3.9917699242
0.0782869777	0.1609901974
0.4409345509	0.8369932015
17.8751685219	13.6686986135
4.8200617931	5.0830911853
226.0722585137	197.1982658128
0	0.0432562041
0	0
27.8271317272	19.7324200557
2.3261897147	4.8790014516
1.4986186821	2.8447161742

gene_expression_table

0	0
0.9995202301	1.4455731605
0	0.0231675035
1.4395389771	1.3085544432
0	9.3134894034
0	0
6.9175608973	9.7641441341
5.2989002016	10.0585074035
0	0.0788546447
0.9755478613	2.139869116
0	0
78.072758796	51.2363276501
1.5008164835	1.4043814562
4.9868323598	8.8155389899
1.6832276148	1.0276783949
12.143925224	25.2411957292
0.3513566503	0.5835848794
1.7486925065	3.1613454103
0	0
1.274352969	0
0.201586925	0.4251749316
1.4082138707	2.1330857488
1.1977089552	1.7322069806
0.4529953625	0.7882300632
205.5041439661	164.7150868833
1992.8649908107	2899.473715446
0.7234075032	0.8274353365
0.0229375433	0
0.1868696596	25.0669330063
24.5868765716	25.7031095145
0	0.0459446638
0.3517516574	0.4802782873
1.0788568686	1.1331788599
6513.7589851535	8879.9700879006
0.2824734868	1.0128191458
19.3421868122	23.5235633188
0.3376406367	0.4005737882
0	0
2931.7788679184	2644.2973763484
1.0955976371	1.6070342295
13.4464855655	14.7120160496
0.6220416829	0.8363825573
0.9977340761	0.5260900695
48.4687897786	64.1893199792
5.9702634007	5.90255528
2.1300169967	1.6365546019
7.5108887831	10.0640191771
0.8462538803	3.2127613641
0	0.3468359697

gene_expression_table

1.2199352033	1.53593149
0.0792911847	0.041809041
2.2742953763	2.3674558881
0.7449005533	1.1581244989
0	0
2.8495064446	6.2675780936
2.9673982447	1.7211305746
0.5451504955	0.3449395212
0	0.1037926209
0	0
92.4650745981	78.875457063
0.4112475197	0.5204270149
0.2402402405	0.608040196
0.0548746213	1.1458084513
2.6930815104	2.257280292
0.847472096	0.9830902463
0	0
1.1865874633	0.5422469873
0.2426624323	0.4606280131
9.6434656295	10.4602698393
6.5322783128	5.6699652855
0	2.0140418284
2.0429816079	1.5968398982
3.9776505801	3.694050918
0.3952088401	0.312581455
0.3131858751	0.9625196154
0.3620182412	0.2290640838
3.8601656823	7.5623195166
5.5747435459	3.1354430428
0.0209203504	0.0132371808
0.6499760657	0.5234307834
0.1097080949	0.1735422514
7.4736666441	10.081394398
1.8517636708	2.3650745931
0	0
13.9520887138	8.1044578155
10.1597159614	5.1019660728
6.3437878035	15.3475701779
5.0674059908	8.9556944212
1.5583778219	4.5076609469
1.604012058	1.9170815417
33.5316955365	23.4244457253
2.8249807586	1.7874834899
9.9205620894	10.4045987099
0	0
2.8026968241	2.6840399108
0.0420989669	0.5771518405
0.2216173333	0.4206796699
3.5525073493	3.1844116596

gene_expression_table

3.9713183168	5.0256384246
2.5743217843	5.3753075385
0	2.1200175117
2.5926774048	0.1640495441
31.4505440118	22.3122049857
26.2540103378	41.8164402231
10.917090733	13.2217694344
0	0
568.4662336523	1334.8681120643
1.1232403945	1.6346587157
0.1882124492	0.595449446
33.6662964976	81.2681748978
0.5196514172	1.2713800594
5.2038702569	6.9271087056
4.6072321359	5.61282559
0	0
2.0114158576	1.4446943723
0	0
0	0.3251398006
7.6821870998	14.8452714992
0	0.0850951131
0	0
2.1204891453	2.385283873
1.9437261519	2.5342916681
0	0
5.8674362789	4.3065839354
0	0.857546422
12.1791104797	13.0164097384
1.3136952158	1.4962138427
0	0
12.0393449268	25.9839929151
0.2583121524	0.0326889807
1.8095271443	2.3268613339
17.6338371767	12.374866342
0	0
1226.9171790434	746.0168974541
7.701528211	13.9392726039
1.5609512286	3.471841805
3.7801019601	6.2439315689
0	0.3149372931
0	0
2.4813686324	1.9625821562
2.8633342709	6.4921090451
16.1589233465	13.632568934
1.6211728178	5.7979087322
0	0
0.3798055218	0.9612753608
0	3.9101520444
9.7008336914	6.7091114542

gene_expression_table

0	0
1284.7852736608	1010.4406083
0	0
2.5206448832	2.3923761776
8.1343252445	3.8272027429
6.7584973076	6.3408451561
25.7385404472	15.69363837
13.5338163376	11.7993552812
0	0
97.3199136397	81.2834617054
44.3858925028	17.8482909566
0.254954691	1.0754699821
21.2614162199	18.6847046803
25.0978851121	16.191863705
3.5575552233	3.1779021121
10.7266250439	8.0212178576
2.332333594	3.2958752164
30.8334806986	98.372515428
12.9767577268	9.50740121
14.192311947	14.6674467
14.8635486072	18.2480979039
151.0792293134	109.3281576132
0.8467368798	0.8036487621
32.1311251994	7.1755436124
0.2580563296	0.1884035005
77.3779657773	35.3469306272
0	0
0.0199636395	0.1642137865
0	0.1119937358
7.0624033615	3.9982908552
0.0589798091	0.0895655814
0	0
1512.5517445679	990.0111871519
0.3005085789	0.9507217381
4.8683877452	1.2468417515
0.8671703813	0.7544555871
0	0
5.8789346683	8.2439871715
33.0118102457	26.5451071512
11.7875004653	7.7628709047
0	0
1.5136086924	2.3574733078
13.6858925502	25.6581827354
0.8053353723	2.0846019919
27.4803464865	20.456429031
27.4118776151	19.2367842728
61.6716080576	43.1694936301
1.8716336493	2.3900538104
0.786017345	1.5542064122

gene_expression_table

31.8004957638	32.8831287395
12.1904830136	5.4695220337
34.8993676641	31.9967871163
15.7891736105	3.3301568589
0.69174815	2.1884899456
0.2108059021	2.5343285265
0	0
20.4261428121	51.6978997866
31.3350631161	19.0711368934
18.2468592286	10.1558088097
0	0
0.0313943913	0.0198645446
99.2490035555	83.4857240409
12.9184147722	44.9571175946
0.539692803	1.7074310544
10.2151811089	15.2836555012
8.534827985	7.9583997137
4.8361585781	6.6584199794
0.9203272244	0.4499819099
38.7755032002	186.0561944572
13.0914220711	10.7198110223
1.950910989	3.7032689576
32.6773293489	37.0450609959
0.24296765	0.6918110779
0	1.9813927207
346.9578042577	395.4853328639
40.4182196551	41.291835633
12.6003398671	13.8474288825
66.4435127392	49.0485213456
7.6297212919	6.3637122807
14.0968334515	24.2812862417
196.5317550093	110.742991506
0	0.0172905111
6.6850700813	0
0	0
0	0
0	0
0	0
0	3.5971206904
1.5597934566	0
245.1037009297	339.147092338
0	0
0	0
0	0
0.044504244	0.1971178768
9.1502385365	5.1130159598
49.8972861171	42.3408783503
7.4799872562	20.8247635712
1.0173570554	3.8623461791
2.1438842536	1.6278302906

gene_expression_table

15.9080484597	15.6339404174
1.1981124438	3.0323834325
6.4081136626	4.7598435639
58.3862914196	61.8881706001
14.2071457632	20.4617127316
0	0.5347281743
0	0
0.8760670151	0.7248855508
2.8243405067	3.0529255586
25.6001908539	40.4957789101
0.0196259302	0.0248362939
0	0
0	0
0.6109672813	0
18.6076504169	19.4548668769
6.565737489	5.797922267
16.3213240607	19.5001541208
0.1555097687	0.295192606
0	0.0594387705
0	0
0	0
2.0988969707	1.2616569112
0	0
60.5432073311	206.8643863463
43.816248141	41.3732950252
22.8117785055	31.5533219781
0	0.1306543703
12.1054869844	10.189439955
0	0.04716919
1.4532077741	0.4597526719
0.0711838304	0.2252049351
14.1372656561	9.0918825849
3.0734426195	2.4308696276
3.5297088594	2.0845014744
195.3762412817	331.6786513528
0	0
0	0.3687789205
0	0
8.9817344984	6.1414351643
12.034703744	171.6804901277
2441.7990931652	4439.5918749404
18.2638550064	12.3663263864
0	0.0534289902
37.1438855444	46.625907674
8.3485149627	5.7485535577
27.9614828813	31.8463196372
0	0
0	1.828550365
5.5690771746	6.7087503698

gene_expression_table

73.8397989224	43.5064314453
6.893502869	4.4526786001
0	0
24.9496801473	82.316396772
0	0
0.5969336821	0.296768143
0	0.1506710286
23.8229182195	35.3368397773
32.1314367119	20.6284294333
0	0
1.139836773	1.7629880978
10.0261593888	4.4407792953
1.0201760513	0.4246763551
22.1102814665	19.9488461791
13.5589506442	11.0139857548
2.203205941	3.8336665265
13.4515110774	36.3288634031
4.5021569326	3.387646821
17.4500482544	15.8719771881
11.1729985874	0
0	0.003764
0	0
0	0.1671054102
6.9128399335	13.9969375289
2.7203985802	1.66091313
0	0
23.3471360504	20.2152867506
5.0861275674	5.057180316
6.3975470375	4.7936790103
0	0.1937000669
9.0411726294	6.3150894598
9.9614143874	5.6215977619
10.8322493411	7.825452768
11.3891505638	6.9985152589
4.4855885844	3.3957269276
0	0.2284797822
8.2846516257	6.7123754838
1.7788378327	1.6883176536
22.2265893794	17.8586575229
92.6595550194	263.2693471824
0.0168757753	0
0	0
107.0922011062	225.8723837248
82.0047495821	62.0268374499
6.8824924892	8.834105786
21.2499596216	19.9285049816
0	0.0216998581
16.7478483575	9.6445190931
2.8347053051	4.0764468574

gene_expression_table

0	0
22.5099329901	13.3181075721
1.0945887712	1.2536793713
0.8524977891	2.4273495433
10.3159003094	11.87497042
0.0161152659	0.0305904084
5.9039746595	3.3960833817
0	0.0178542146
853.6519280641	898.6644757446
0	0.103025741
1.9566298128	2.6644806733
3.8456379074	3.2087419256
0.8031000998	0.2540775127
3.4177972598	1.7406158161
0.4301210983	0.6350297569
59.7551521371	16.1040821633
7.9478771694	35.2026803152
1.8784513098	2.278101539
29.572695438	19.4409157166
14.6262434528	12.0080814507
0.447175896	0.7545250505
3.7189179596	5.4906015472
0	0
23.025679486	19.2944923292
2.1267276328	0.6459213747
0	0
15.3194576349	16.7151519471
2.2162046967	4.0592472439
0	0.0894178122
11.153283711	9.0808904196
0	0
1.1486182618	3.1978268032
19.1642905382	13.3634000923
0.3737430853	2.2071735753
239.0346750994	83.0684308671
804.6117200737	1082.8720597481
18.9332842992	3.8853667855
2.8032930763	4.371053366
20.6565128438	17.9715795898
0.1160663462	0.0734400321
0	0
20.1247032045	7.0370676701
0.9666772271	0.8340778854
2.6723421642	0.4227256667
1.7866103058	1.4629522098
1.584719228	1.7380447787
0	0
0.8506513524	1.1232890961
62.9033260983	61.2331777805

gene_expression_table

577.9415194128	250.7223865854
23.6628383659	23.034565552
141.7389678848	104.1183217943
19.8720883054	8.1206447092
0	0
17.4500189325	9.9897990837
25.3245639226	15.3064223289
9.760806703	17.8016154845
5.9844935714	2.469547437
4.3494662739	4.6785517114
86.2128517225	53.1867154807
44.0765078624	38.0923612036
2.3093657238	1.9108422255
2184.7721874045	1467.7298807315
24.1699373157	9.5583314534
0.2769720167	0.7886330109
0	0.2891026115
5.8254251879	2.6018754237
317.4561136559	296.5190768518
459.1889903216	119.4996140586
2.5386921305	2.2488713799
0.3853123826	0.986295012
4.815406638	4.6505456208
0	0
1.2890129222	2.2429340808
0	0.9432574044
0	0
2.3610386291	1.6599198874
7.0673780997	4.8006364558
219.2773491277	115.0205829972
52.5898232875	52.6067224069
5.7033535164	3.8728052333
2.4451983657	7.7358964215
203.4940286767	130.8494302286
64.5629278367	33.6933672017
0.2865103809	0.7251484089
10.3955910775	6.7485753118
4.0059321581	4.0945490451
4.3339361847	2.6753782487
6.2525939193	5.8180554525
47.7542021699	18.8461124928
4.8760683209	8.5947430696
0.116433631	0.1473448571
0	0.2187143785
0	0
4.0946999874	13.6021617695
7.8832602818	8.7291199156
1267.4697465865	2391.9325228204
6.9807582931	17.6680710592

gene_expression_table

0	0
6.3587775439	4.1553813983
0	0
2.0208235412	1.4666977558
6.0248162461	3.8121532463
257.8593428344	109.9053057303
0.7455508457	0.4717412052
0	0.0733120135
20.2968840181	12.4593236951
407.7296564427	410.9287800553
0	0
9.5269743964	11.0786982001
15.714796615	9.7484403338
4.2173713723	1.1436459739
0.3550217654	2.0217340882
54.1116606409	27.1895646833
10.3215497619	7.8370515198
18.3076060341	12.4420613061
0	0
0	0
22.3594687632	27.7060518228
1.5876539096	1.7689256092
20.5852665459	9.3036851349
2.3389982157	1.9903206305
0.5326842266	0.4672760699
0.9317147439	0.7074418685
1.9693818398	4.2530285158
43.8074479305	40.3624699926
0.4901564854	0.434199515
10.0753747981	5.2663961012
14.4818105973	22.9979540417
19.6535558275	11.5095695273
2.1882140189	7.6151599639
19.8747221932	10.5688284727
5.7591255918	5.2057709371
0	0
0.114380428	0.2533064839
0	0
10.4560084043	5.1687139639
86.5329359559	103.3165457174
73.5643300596	50.4532898438
0.3243499564	0.9235340297
0	0.0447109504
4.9776900833	2.6246606031
1.3664051153	1.0610775051
3.0021668133	2.504013592
0	0.1183332596
0.2276725483	0.3361352037
0	0

gene_expression_table

0.1077191159	0.0954217465
0.9963349777	1.3869301937
4.9324207642	10.3231387749
4.1849694705	3.4755068694
2.3333817019	1.476428204
4.227982537	3.057395886
71.3911205532	50.4194178717
0.8920352899	1.1722736219
4.8542620848	4.8864687873
20.7484339583	6.7631162002
5.5753796371	4.1369902175
3.3494779022	1.4500848436
9.3017888035	26.9312199654
2.0615721942	1.9223369925
0.481277508	0.7782290485
0	0
5.406683695	10.6052082702
8.4170226968	4.9849509803
5.0639416238	4.9518955072
3.2502170807	5.7697605022
67.3228476768	58.1849704869
1.5346638274	2.1848534907
9.7236020453	3.4369304038
0.301125141	0.3250293939
70.9493425366	172.355582006
5.0434906987	6.0465363639
0	0.0564136219
5.26841575	8.0560719495
0	0
27.0491484045	15.4961290556
8.1260174425	13.2655115227
26.526577606	14.8384490997
66.9672161956	53.9292203002
0.1038866167	0
0.3443176047	0.091732274
0	0
2.1251061239	5.9761934844
0	0
0	0
0	8.2865873532
0	8.1997258506
14.342137978	0
13.4672363148	0
329.3401602071	341.9688944902
5927.863049282	1755.0567060976
0	8.9298384263
11.3213580009	0
7.8744732083	4.9825085742
3.7000891693	4.0971020748

gene_expression_table

33.6864385205	0
2.4627336528	0
0	0
0	10.3747194449
7.9555488655	20.135234135
13.2649387736	0
0	9.2029864253
0	0
0.7142977696	2.5762066369
0.5158095351	3.5901169508
0.9524593942	6.6292698826
1.9102167702	2.417348103
7.2653142594	10.2389246878
43.8758610168	33.223487764
222.7553682343	154.7896124131
0	0.3083381341
0	0
12.4125732299	0
18.7623159212	19.6339688211
16.7066526176	0
25.7025424886	0
0	0.5344359132
2.4861756811	2.4470558712
13.6456103057	8.6341484122
26.360176838	0
13.0686288975	0
42.2423334977	8.9094971087
13.8597790774	0
555.6369859328	0
0	33.146349413
0	8.5027591972
0	0
39.456137033	8.3218494271
15.6492695405	0
12.9319277584	8.1825716124
25.3858787208	8.0313536565
66.182670969	0
0	0
0	8.304180957
2.1006623231	2.4922067228
0.9759175037	3.705022953
5.5473320711	17.5501451825
9.849813403	6.2323889404
5.6144064201	6.8829102039
0	0
0.5511780177	4.8825474124
5.86185102	1.0597252375
0.5541261102	0.3506187681
1.9251891415	2.233270778

gene_expression_table

0	0
41.5238717036	20.4973613807
1.3739634293	0
1.7999596615	2.0247284746
0	0
2.9061878084	3.9075914976
0	0
698.6952055174	1120.1233697382
198.7499872707	142.8092852638
85.3842159678	79.9137022682
1.7899984947	0.37753564
0	0
9.1523601386	6.7338152172
6.2231934718	4.4009306753
0	0
89.3274778685	79.1297243212
204.7609111441	422.0911378165
26.2992256337	11.3349151464
21.6676165646	14.6892935556
60.1572218385	37.8697864942
19.3510162404	11.3849554717
172.1617764274	216.0673530615
0	0.7829585088
17.0260604285	9.5056770028
7.4419400674	6.2784356851
104.7523234864	45.2071615267
80.6118270937	86.9428548621
20.7385958409	28.1804130033
2137.3710052783	1453.4414171606
17.144646482	33.0609827335
388.6273852239	170.6840862524
0	0
30.3628696793	29.811503283
20.1810691104	18.5156395186
0	0
2.7386221696	8.6642039921
79.2773519327	37.1062084433
0.9723865768	0
1492.4543923362	1895.6033284716
2430.5213880592	4854.3711310415
1.9899116239	7.050961786
7.6107627044	15.8916380958
18.6598738953	25.8475000154
0	8.1552736254
1.032049665	2.9385944634
0	0.5678793801
53.5577888968	28.2402110522
76.1100716143	39.7827170149
174.2850725283	146.0818240698

gene_expression_table

0	0
1081.8408073659	1321.6947207867
8.6716784688	19.4328901457
12.7173120323	16.8088194436
3.1967564912	8.7651267022
52.4487639752	23.7046620044
51.3593237739	37.9133911584
137.1691521285	110.1240203356
1.6751928099	1.0599645612
31.637994355	18.8270941523
0	2.1205037846
0	0
0	0
0	0
30.6297254556	82.3680110529
250.4510212083	172.9828184562
1.3596985325	6.8827050825
13.3292969671	40.0615177272
0	0
27.5208947995	17.2012600548
94.7226973699	67.6817150319
4.5451922563	2.1569499434
167.9606656736	95.0040694167
80.9477097066	57.4273656893
400.036871622	851.2572769276
304.2151869322	224.7392523714
0	1.2334497732
12.3980507475	22.2268350067
1.1616862229	1.9601265721
5.0329437132	1.2738216026
41.4981701214	76.5381923454
30.4783527483	24.6418532616
14.9551487141	25.233995037
23.8791056937	18.3761866134
0	0
0	0
0	0
0	0.2293327019
7.6237865949	17.7880894637
35.1219401619	41.9770056329
0	4.368912852
13.8977139566	18.7343296487
0	28.6890163623
28.0805336243	27.2438498809
225.8068116348	279.2604016961
38.9952008527	38.3816139464
39.6683445907	41.5939888857
7.7950333777	9.8644873411
0	0

gene_expression_table

13.0636073302	514.7395625459
0.4764499359	44.3160611159
7.8189790892	95.7674341822
0	0.4484371968
0	1.0825544508
0	1.048597649
8.653469158	5.4754118956
49.4778859229	31.306727996
375.0780127842	377.3137181578
48.6729249488	68.2898770172
42.3610959887	50.8581836363
0.9595562665	4.2500597043
1.3709162716	13.0115410204
51.9693164096	28.316054683
0.3813363028	11.0992217528
0	2.8402216475
0	0.3870244638
38.3579154932	38.5164783277
97.5479799847	63.8883955186
0	0
38.1390598436	30.6293034205
7.1234690104	4.6876094772
3548.4100483978	4250.3047577299
44.5750639703	29.6696766894
41.5793372321	46.7715304123
7.9915468242	20.7320023866
103.9077843147	99.8180183425
5.2414879609	7.7385202417
91.4950564972	51.7526092427
67.092802123	66.5018240589
15.1745503347	6.8582662296
870.4290333438	839.5683809528
0.367725251	1.628726033
8.3364281436	10.5496135691
22.338786928	9.086583138
3.3683304565	2.1832660973
28.0394489933	23.481704407
6.4328798562	11.3630664495
0	0
1046.6278589057	868.3415785785
140.4362810726	164.8207993896
5.7427287146	4.4123070943
1.7352157694	1.0697911983
1168.2905150918	2892.8598761433
0	0
5.8671728169	3.7837980712
231.196393507	162.1529536721
2.1689845851	3.2022836341
74.4609697002	68.7720740978

gene_expression_table

14.2443634786	18.8692216666
0.3167300217	0.400816666
2.0314264719	4.2845616659
19.0961070664	22.2064212816
1.5880625955	1.3702276773
19.6728527234	28.0738446951
6685.1168758481	8004.878186206
0	1.3321761685
0	0.780744407
5.942217426	4.7440216735
0.8139928191	1.5451419136
0	1.3218213014
0	0
11.0098976772	5.3690264776
0	0.1923370082
9.5318875052	7.1389997498
0.440243677	1.1142423562
4.2905363072	2.1718414297
1.12495624	1.7521399827
1.6567347593	0.9318092271
0	0.1494590738
18.527645636	10.3487703151
5.8777763567	6.4902202207
614.7982356659	236.8715486854
10.7948316086	4.6733915441
10.134689201	13.4886602824
0.3132328051	0.2774736968
9.2644061593	5.4462342205
35.8106056553	17.2362329934
0	0
99.6847508359	78.1531778742
222.3126403588	99.9472546184
0.5276873439	0.5008347821
1.9710507293	1.6628883227
12.1303239748	8.9226099163
0	0
3.2328518764	4.4058228451
21.8105079747	35.6510867841
0	0.2986476819
3.7996743419	1.7623113901
0.1309698262	0.2071752182
247.467138637	369.7133985897
0	0.1115840589
22.7831643481	9.8449782866
6.8674426881	4.4418808694
0	0
0	0
0	0
0	0.3180152232

gene_expression_table

0.5287367606	1.6727693229
36.0530626477	67.7455610837
10.2884379061	8.9013260346
0	0
6.9968653975	0.3405545695
0	0
1.5963693684	1.4141255418
4.8583663625	1.280871506
2.8720670166	2.5162296021
9.3404126853	6.0596918192
3.1764961298	1.6079215748
0	0.5916304993
3362.7754932563	2425.8157168598
3.9855439654	2.7443339377
23.0899795278	10.1527089877
117.1444474572	33.4211668616
43.7728313392	10.6737748614
22.641333747	13.8485816118
0	0.0934391464
0	0
11.6501458329	6.7013950668
215.3799935456	64.7945924601
1.9853869485	3.8203382958
7.57686799	3.1961342028
3.1479421989	5.371917833
0	0
434.3122533896	307.9739551757
3.405819909	2.3479902128
643.8302517036	311.1816585658
22.3965995236	7.0856326644
0	0
45.0313200107	18.8671187543
68.4832858155	59.9898276303
14.4774323639	11.1961385825
69.8613574827	57.7972630762
5.7714654426	2.3877465049
174.3797495978	166.3213430522
86.2746413937	29.5078780138
4.1628551582	13.6489742961
164.2033466355	115.2936259959
9.1689419435	21.692838504
832.3060633755	152.0538469057
3.3517283647	6.6389595128
839.1997104183	704.9439731852
0	0.3494076497
43.7061101346	198.81475547
17.3200056858	17.6164844372
2.5286187796	1.2799702956
0.9841524389	0.6227144134

gene_expression_table

20.4388062608	8.8910852527
0	0
162.7960417731	148.4525114685
113.8736869542	41.6285017616
0	0.2910928613
15.7381237397	11.896927791
56.4130638239	24.0940609696
183.6399472283	58.2697195009
0.4758264544	0
52.0826074621	34.3671947332
67.5901555006	60.3064424666
19.0762296892	34.7625459342
248.3504963838	94.7308404651
8.5580250152	4.7381428449
0	0
141.3797768791	45.9301090794
4314.1366457632	2914.0804290601
226.7079535942	93.9117414239
90.8203705198	29.2460115639
0.7102678925	0.4494162048
0.3503038348	1.551563222
24.3129247262	21.4364488112
0	0
29.0841441827	12.1234362829
0.2130293511	0.475321207
1.840317683	1.7350245031
0	0
0	0
0	0
0	0
1.3395136388	1.8447031426
2.4392128482	2.2496900296
0.4500190353	0
0.7901650861	0.6666273349
5.9997806119	8.541702345
4.9815343757	7.0920566287
0	0
0	0
0	0.0247373854
208.8331577197	95.5888109868
5.4163955912	6.9400395989
0.2453285409	0.310459259
12.4928171978	6.7263834479
31.100689837	19.1741251071
0	0
4.9641748729	7.1795224794
2.959785731	2.1310947498
22.5344103503	11.0798255311
0.3605401848	0.1996127487

gene_expression_table

26.0011095983	33.6691880663
11.5120649249	6.7930977035
0.5722294982	0.8750110522
0	0
0	0
0	0
0	0
0	0
0	0
0	0.0115876069
1.0080803305	1.0709657336
6.1237957254	4.0362309407
52.3625102675	38.2291736279
19.7077579946	18.2177778755
18.6736636152	10.9067151283
2.6249730212	1.2180155009
1.061121596	1.2721566669
586.4764201615	742.1763246171
35.5972442759	21.6792204698
6.6683268686	14.0807851033
0.0497690691	0.0688865008
1.3287750362	6.7261723658
0	0.0103715557
1.1710302677	1.481919665
0.8366271418	0.582305886
3.0932615846	3.3806803468
2.6094871962	1.7115389565
13.6942413577	12.9973789694
0	0.007574
0.889173829	0.7388590926
0	0
1.5251349012	1.0785480158
0	0.3400364469
5.6155834445	3.2798903402
1.0891072308	4.7254196596
11072.3395563961	13284.1006638316
9.276728625	5.9987802572
0	0
335.0680265146	306.4473813653
31.6849407981	30.3170735809
0.0621455397	0
2.9113642307	2.6459856755
0	0.0229585778
0	0
0.0907104185	0.1721888281
3.0504306782	5.0292252195
6.7409612525	8.6297690415
0.4126803422	0.7996803498
54.8912361855	67.7833825435
4.4205169617	5.094619471

gene_expression_table

0	0
0.7350609288	0.6553735306
0.2980396457	0.7166121713
7.443956489	7.6707385822
0	2.7823362836
0.4758609297	0.1594043548
1.2880983839	1.0867116352
0	0
0.2385536365	0.4905643084
4.3226515722	4.0585688096
110.8513420583	44.7726985862
29.1578371156	30.7489719397
2.1055962359	7.093590971
0	0.0844748327
1.5656404104	6.7363939945
0.5500989115	0
6.2732071227	6.7478449243
1.4584842695	2.4096482303
2.8175033472	2.6295595229
3.1574890747	9.7039662759
0.7337668353	0.6079922212
24.9980468284	152.0219224706
7.5591091024	10.4769698862
0	0
26.0960036133	21.2722587759
5.1762575101	11.0239604967
0	0.2728923946
69.082468953	35.9271515376
3.1700315768	4.39167166
5.2741661047	4.4788542283
0.0500678602	0.0211200196
11.0669195817	4.0317441107
0	0
4.4490428644	1.9583273154
4.6197882489	9.1201757794
0.9980217335	0.902128709
22.3313489714	10.0277267307
0.0252441589	0.0798651764
1.7939220128	1.4673108095
0.7000346439	2.4607844466
3.9843444989	7.7207506065
25.5909560704	56.8885834256
0.8559051991	1.155342977
0	0.5623342811
39.2923980959	26.0388405551
0	0
0.811652349	0.7546281667
0	0.2475486855
0	0.005783

gene_expression_table

0.5157977968	0.7120731075
0	0
0.1531846819	0.0969263557
4.1354813182	3.8938869195
0.5867454843	0.5568876157
2.4927893007	0.7748101345
1.769147824	2.1268862742
7.6338214444	5.7318825894
2.2274390137	2.6174456913
7.0393867257	13.9191075827
19.0076970204	12.3610473233
2.7194079409	0.8603415761
0.5836751005	1.0824769057
0.7221080416	0.5254441568
0	0.0526192695
9.2869078545	8.0365882363
5.9349745565	2.2297133242
22.2336956345	22.9780423994
0.1873892118	0.5759065347
3.3641414348	4.9772448133
1.2594930238	0.7419729586
1.0867849976	0.4705003285
0.5962797178	3.3956200688
0	1.6464169348
0.0966563174	0
64.3340437019	42.1693616426
1.0917666506	1.6118816619
23.2167566892	6.1209221138
12.1332379215	8.56990565
3.5796514633	0.7549984038
0.0934701506	0.2957123698
0.1381682095	1.0490976658
2.8141855272	4.2996252842
2.7446643586	3.7753564003
0	0
2.1159424821	0
5.9374329733	2.7049407801
1.2569177149	2.5373997934
14.6355493317	8.6817414762
123.2449172625	57.8577718771
9.2226704722	9.5568020212
0.885456657	1.4847034796
1.263844095	1.1995305349
1.1714603319	1.3553955696
2.7608135188	4.0254241845
0.3190491606	0.2385804308
4.391282123	4.6309131313
1.210468956	2.8083525808
368.4114798033	375.7773727621

gene_expression_table

43.5736581827	28.2406140233
0.038704528	0
0.896123727	0.5400142527
0	0
20.9287691799	22.7014417261
2.6098843248	2.0903582014
52.8932812479	58.0108385619
0	0
30.3026444824	22.1641521508
0	0.1121736042
1.1173671802	2.4745173333
1.2203865885	3.6679007955
0	0.1415608344
0.8286789363	0.611729796
12.136568621	9.0671425607
25.0595053012	23.7288545494
0.4518050731	1.2769126569
0.2975074705	0.2980552496
0	0
1.0157354895	0.3856189984
18.8371796986	13.2146227736
0.1449408486	0.2751304126
0	0.2760636103
5.1559748911	3.4954296202
9.5319374996	12.3366591002
0.0242927546	0.0614841679
0	0
1.0969276374	0.3470359994
0.0146913559	0.009296
0	0.003828
0	0
0	0.0352604844
39.9220828779	38.1095781245
1.4729162968	2.0969454385
8.9319885223	22.274121416
0.8187830961	4.366660068
213.4556955899	176.816637337
0	0.0484002083
8.9228874046	15.7752643678
9.9087145111	7.1958576324
0	2.2366085665
0.2290844275	0.1449512995
0	0.2670719857
0	0.0432234935
1.7979952213	1.8085984763
0.4527916627	0.0955000748
0	0
0	0
0	0

gene_expression_table

2.2778720818	5.1166325567
0	0
0	1.5177606638
0	0.0897697781
3.2198003159	3.2315830196
0	0
0	0
4858.9258205353	7870.8418531651
0	0.053619245
3.4991715312	3.4318118976
0.2849124939	0.420644122
0.5813273631	0.078820744
0.1888449415	0.238980187
5.1010251113	6.331124219
79.3520767504	113.5393138903
0.9251780462	0.7683359885
0	0
12.838209855	10.5429705291
64.7733285928	30.6807076383
0.7107340659	0.2810694827
3.0114765281	3.2310434521
1.0109788151	1.0661476396
9.7311795026	7.1835450276
7.6368214401	13.1157986911
0.1014751702	0.4280505648
111.6245745285	203.4299848596
0.3198402676	0.4770298869
0.1275343306	0
9.3644318565	29.8238475908
0	0.1811376584
2.4207080797	1.9958296972
455.7564778774	161.8437784415
6.8986505951	9.5004351309
0	0.7920284085
255.4109705266	323.2184088835
0	0
9.8853789053	6.7849683756
1.6272461604	1.2113255418
1.5223560429	1.4036050182
10.8489420093	7.5650466872
9.9310556779	6.1856100396
15.2074380083	14.2044688558
0.7206891213	0.6840152283
37.5073997893	7.6556453919
0.8951432537	3.1781029148
3136.8610437178	2563.287704808
2.1440247116	1.2812466649
0.2720330529	0.8812886592
0.2364601136	0.0498727349

gene_expression_table

1.7721277692	0.4721260482
1.5656756597	2.2014855097
0	0
35.6675539683	32.984516371
0.171312293	0.1806607558
4.0481300916	1.7006157381
0.1378982509	0.1090674892
0.0186694699	0.2480720442
1.4999674171	2.2414728928
1.4881939175	2.9295545692
4.9026203725	2.9140873426
2.015146363	2.2313679393
7.4205850008	5.4899062079
4.7309201975	3.5140512854
21.6620538477	26.8858025115
43.161175708	26.169329342
6.6442541066	7.4644179936
0.182048637	0
0.6543999014	0
0	1.607811413
0	0.8029704847
0	0
2.9369442701	1.0931338158
0	0.0320854889
2.9309792788	2.1691648888
0	0
4.7048200804	1.9846243061
2.7374093933	4.4539030906
8.3140033201	9.8636581138
0	0
0	0.0606732268
0	0.0793731199
25.9864236618	10.1645764614
19.2076685735	11.1733747382
0	0
1.038623847	0.2512749933
1.1151410251	0.9655529287
4.4123967773	2.9470140039
2.3895033925	5.4662400786
0	0.0646106322
1.5563131017	1.7888017492
12.9811041679	6.326759355
1.8757595744	0.567060848
0.3778531409	0.2390834872
3.8989451903	2.9337603013
1.4723524603	0.5988979206
18.1286214069	11.0925808858
1.1936865268	0.3916346494
2.9969511382	1.3827160829

gene_expression_table

50.5641019918	29.1710203663
0.101821171	0.2899193124
12.7811307467	6.8485825886
0.3843316077	0.2431826841
4.9340451457	4.8248731531
30.6614373262	25.6236636548
14.1453902246	12.4180665917
55.2661028729	23.092851396
7.9267983392	9.8032511612
472.7389325814	344.1470160184
93.6819686484	131.7799878591
0.2909196851	0
8.3776109393	4.0099806728
0.1652222882	0.1045430527
0	0
1.8662498375	1.5226805888
1.5010938215	1.2211776629
0.013434202	0.0113338421
0	0
5.1262150279	3.9352144142
0	0
0	0.0295933874
0	0
49.9834071276	41.0290928526
27.6705376595	23.992864582
0.2182391932	0.2071335992
40.4017089445	81.3132667517
7.1707362402	7.4410486038
0	0
0	0.5101433717
0.3587979898	0.4966204601
71.3189573715	112.3557443252
34.3619061183	15.5301537849
0.9475682484	0.8993490988
7.2206104662	7.9627348088
13.9284846068	11.457075259
2.7462364913	2.806987128
369.5844701438	119.8247628609
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174.8511192713	113.208538199
0	0
0	0
3.2804500983	3.9783828192
2.6389435914	0.8348849963
1.3506319458	0.5697342178
6.6179349602	4.6454459824
6.6641994135	3.2943107192
29.2267681726	10.4269035375
7.9541654843	3.8087062134

gene_expression_table

48.301652405	27.6517638638
4.6030143533	3.1327943177
3.7853407645	1.862889339
1.763864023	0
8.1549623595	6.8799810567
0	0.9876942502
0.2390448768	1.2100295389
2.718639595	1.949556586
14.5599725948	2.8591149347
743.7893288646	311.337609999
1.2079064912	1.3375126827
2.0892326263	3.3283009179
32.8302202424	15.82708844
72.0385469211	101.6824811217
5.2960570257	2.2086378941
95.0594891172	44.3275189471
5.3632655178	8.1696873292
8.1681874171	3.2889524434
20.6634179124	15.0358001516
1.6627857545	0.4909865792
37.8410719123	15.605051752
1.4757084163	1.778557031
8.8893849335	6.557560372
0.2619390568	0.5982802453
0	0
4.9743127957	3.8880336014
43.4502856298	23.5355143018
0.2922815012	0.1387040486
11.4916471444	11.0721243223
0	1.1418513975
21.8075933783	9.0497157588
0.2076894624	0.2628276202
6.2719643592	2.1974528188
2.3948659801	0.724723942
6295.9992606231	5369.7853769921
0	1.9765293543
4.2781569684	4.5116147694
2.9437351294	2.4189926592
0.2326043826	0
31.9672131692	15.7799235423
5.666312697	5.5316258567
26.2608339761	12.5962487217
35.7686708558	35.006086996
3.8064105539	2.7390501966
1.4500915628	5.6463605327
18.3379246674	18.2049767274
205.538365254	98.203075043
6.674586258	7.5415891278
56.6371264294	71.6733578455

gene_expression_table

0	0.0715576434
12.8068953077	10.1293229387
15.0074223369	5.0509701311
0.7129713343	0.9022535711
58.6940944857	25.7541346427
26.0581524371	19.0247111693
0	0
39.7623339226	19.2983204616
3.4598604392	4.9700720881
3.2172262197	5.7368983275
14.9177813488	18.4014860511
0.6218044296	0.885243761
3.544357072	6.5654771112
0.4961575451	0.8110107165
0	0.0245213723
314.5533586717	203.3061975654
4.8074067453	4.1529412691
0.0133866249	0.00847
2.3735596776	3.0037009797
109.8458342748	39.036523481
0	0
3.3564253662	13.4221045666
10.4406204634	13.2772013959
0	0.1269439236
4.5547610821	3.2113578947
1.1144610615	1.1230423545
0	0.0255972
63.2898603508	36.0127175782
0.5977046479	0.0945481829
2.2817451292	0.4962909822
0.1724959528	0.5129834015
23.4759896752	23.8015317643
0	0
496.5247887331	637.9107531191
3.499492331	1.7846396936
3.9028857854	3.6481531971
11.1263127487	9.2526811321
13.6866816808	35.0464878312
74.7711405701	45.1439200223
1.8875750125	2.2180742338
68.2495745734	41.7496642265
1.1742897926	1.1558124204
0	0
0	0
0	0
0.61435252	0.6478775612
0	0.0655527307
1.1442040588	0.5962235737
973.5963004332	476.1595829992

gene_expression_table

0.2684557226	1.189042153
0.238958629	2.5703850366
3.0100783411	4.5934530223
846.4171036286	363.5209278586
466.2149288578	338.2173602762
8.9232121252	8.5403035268
0	0
3.2089007109	3.2039429433
18.4582459245	1.2977004747
0	0
0.6662206273	2.0234191571
0	30.9599147551
25.9824517209	22.4184327325
0	1.7843381527
20.8692149511	10.5638601775
235.8268520153	550.0815115966
405.9368716635	513.7064766471
115.7120866025	275.5229064013
57.4663291153	88.4792853559
0	1.4829456799
1.5278179289	1.5922353333
30.909016912	40.1533032371
0.9000946046	0.6030291237
0	0.014855535
2.826363356	2.591823648
0.268913381	0.4147473144
0	6.6954680127
0	0.3568513508
0	0.0707838758
3.0489975799	8.9226809012
0.96847315	0.3063967358
11.7720969397	12.3676497414
2.594574046	3.7055413286
2.6176237025	5.3289008925
1.3484863587	0
413.551126101	272.6137050492
26.1106543111	28.7629916202
0	0
0	0
244.7425304374	145.4018079932
5.8293176864	5.8679936163
25.5208593095	9.9498487458
0.1248074113	0
11.554133586	14.0591992478
11.0126077964	23.3164603997
0.109515159	0.1154913699
3.0578587527	2.2573076606
0	0
2.6691528675	6.004923254

gene_expression_table

17.5031362915	17.7540231509
2.3327055644	1.7659290304
0.1873851543	0.3556992753
7.7281551123	4.7065547323
0.2327050829	1.361990716
0.4559639242	0.4065332207
1.4354984666	1.2326927543
0.2386434309	0.1509996808
0	0
35.2596030357	17.8232529236
8.6007450006	4.771113307
5.4887186455	1.2628879529
0.1246895896	0.1893511654
0.8341693029	1.1189652767
0	0.00797
3.9213891278	1.8823100817
9.1448179527	7.1640014089
2.0097684171	2.2254129495
388.3640713195	331.7411598841
0.0681264446	0.123931047
1.2152920471	1.0765525564
0	0
15.8947324981	12.0687145201
202.208631382	144.0028095506
299.1029742824	106.3230127963
0	0
2.0936600363	2.4728597209
10.4649401358	7.4291182019
6.9115751325	10.336755438
862.3852232739	663.4371027036
0	1.4639809972
2.3248697079	1.7033121477
1.5285513028	1.9343566918
3.5380911405	2.2386982567
0	1.4831143754
17.3748404572	6.4130431844
2.1605947111	1.3670986476
4.7191231747	5.9719732505
143.0352637055	107.0388509022
0	0
61.6893806041	27.2940675664
56.6819109866	74.5415608622
0	0
46.7573822985	30.0141247699
153.0620854309	137.720747561
3.0741843889	1.3730576827
13.6174684331	10.0829532548
3169.8092333089	2938.8775431285
195.8811360911	212.3407770522

gene_expression_table

45.546895237	45.5949124005
11.6524965353	13.0811679958
6.887828544	9.024073314
0	0
37.1482059405	21.1547013681
0.8713471934	0.3675585441
0.9250072464	1.20875269
0.6718249613	0.4250917542
13.2422053738	10.2940737496
0	0.0802278723
6.6577965489	1.9148483456
0.1038739602	0.0657253995
17.2097472241	9.9273722469
39.2729104322	14.3708606151
0	0
4.3154745749	3.5189885409
0	0.013011238
371.7707540342	206.7385164815
1.5386901671	0.687242562
2.327306928	1.0761193988
0	0
0	0
0.899956173	0.9253398606
111.9306691142	82.2463155995
23.0897706934	19.6628992951
7.9437820142	8.0611484558
279.8109742345	145.2620917062
5.9344403874	4.2243397428
33.8234360152	35.8619775666
4082.7644499007	3926.701344485
0	0
0	0
0	0
0	0
0	0
0	0
0	0
4.7155095694	4.339927485
2.3891758054	3.6953435862
1.7304442448	3.7824662994
3.0442773174	3.1390603778
0	0
0.8097277271	4.2695716867
3.165689745	7.5830291996
0.8834918934	1.746944612
7.0931855749	3.9508408527
42.293758834	71.9654733406
14.0847883076	11.3628442476
12.5958687567	6.9859906765
0.278838963	1.2854409767

gene_expression_table

21.1089004082	30.5291068257
3.3923644957	3.9906591622
34.60267428	12.8853148538
124.4274431563	33.6708833637
2.241173261	1.8370634499
0	0.003274
0.008529	0.0593613264
0.194900412	0.3699649291
32.8336025079	22.7279533975
31.9430360884	14.6228551337
2.5093889588	0
232.5833266644	148.3967072743
0	0.2565944519
10.5575772306	0
19.4724980021	14.8521352701
8.6724895503	3.8412128254
25.3858787208	30.117576212
0.9137415327	3.4689749275
12.1970431502	12.348127011
78.4599312912	46.9758007785
0.3015641267	0.1908122368
24.5119236314	15.509719372
3.3760029866	0
0	0.4927272903
5.5833996077	3.2300347205
162.9277224163	162.8117879201
144.7000144534	196.5569605443
36.0811881683	19.7633502097
0.212295511	0.4029847493
34.9787634055	22.8917900583
16.842126609	2.7910451857
4.2374674978	2.5401059352
0.2774444106	0.4681351563
13.4830757177	7.1930619046
0.7556534924	1.1611815326
6.1907475899	3.9171449482
11.0275252071	7.7090965732
2.3155877387	0.3662923048
2.2540444583	1.863604863
0	0.1773014157
0	0
21.1693885908	12.2128672595
4.1351025795	2.6709617904
52.8397446274	74.353038451
2.6881000903	4.7328650173
119.8867334579	118.6023661038
0	0.4827833402
0.0723824528	0.2289970276
1339.3166515089	1631.9433686847

gene_expression_table

128.0972936547	44.8943575421
0.8959938351	0
0	0
6.2733309146	4.7632786464
0.8482279888	0.5367093284
0.769316922	0.9735579915
26.0565127151	27.5536924673
0.8327443713	3.1614731759
0	0
0.0358162877	0.5438991212
0	1.2103571811
1.8717698596	2.7758134758
9.1299570819	5.2448223127
3.2620631895	2.7207850438
52.5746244397	88.9869886643
2.9600037275	2.1686420917
21.489579369	2.4860836984
0	0
0	0.009536
0	0
0	0
0.8434633133	1.3342362972
4.4486948316	3.9095490292
0	0
0	0
9.0037763456	6.3508275673
17.0712471138	8.8057272628
0.6440292212	0.7567935642
49.160121373	40.0440745776
0	0
2.365430582	1.1225301533
0	0.1032119706
5.3822642333	3.1436157332
0	1.2396067604
0	0.1066525572
0.3117901739	0.6173038843
12.7892306245	1.7982847038
11.0130390123	1.9909744112
2.6574092187	4.8831265903
62.91703048	42.5796446767
8.9130487671	9.454722059
1.708705712	3.2937956854
10.2861086243	20.145206022
0	0
1.4891858316	2.2614483976
4.2004324937	5.6478023378
22.525823754	7.9183505025
10.5911353692	9.4529330974
5.0090174506	2.7468262114

gene_expression_table

1.010703314	0
0.863976165	1.3970554154
18.3096875021	25.9791691118
0.7001202233	0.8859907001
0	0
0	0
5.5244599533	1.8125109804
0.0731930183	0.0578903553
1.4387736669	0.7941545425
128.4573531206	93.8704615376
5.880692502	4.2010840121
7.5656778964	8.6168175552
2.3818366125	2.2606314791
0	0
1.2631676901	1.0656787114
3.0228016635	2.9752380793
93.635513259	61.4556689499
31.2839571515	28.7630107133
0	0.3107881788
1.7890155192	0.8997829092
0.9005780039	1.072627525
0	0
13.9270362375	4.9387157902
530.0940276562	101.6343124993
83.3901654209	61.4189315318
64.0798951904	49.4377032892
0	0.7078900015
0.9997713796	0
20.0936010462	8.6879422722
109.930231314	151.7617211775
5.436273785	6.0857253624
10.3143944991	7.6613660207
2.4491481238	2.860944852
4.3897229034	3.2404881779
23.1045655059	15.8723014489
0	1.5162309004
5.6874495965	2.0152648632
1.1649214401	1.1056417827
0	0.3890003876
0	0
18.8446280296	12.1917346029
24.765470627	45.5740171449
0	2.5610720474
5.2883853864	5.2284103715
179.2833625545	282.393397097
206.6525705306	110.3798979692
27.8637306139	23.7334297981
8.7001568874	3.0583073194
14.7503767784	10.6664918513

gene_expression_table

3.4246323925	0
58.5063467162	41.2261642372
8.6212851722	5.4550477416
0	0.8226457526
0.7903671485	2.0003934181
2.8116386072	1.7790413527
0.2200147639	0.139212544
1.6057829506	2.2861035899
18.2381099386	33.4262504203
1.1595313203	5.4292613595
0.4350997022	2.0647933575
68.3354368825	43.9715484062
254.8578566474	225.7629166165
4.0364773857	2.5540480807
50.8622720941	49.0402850025
1.9177233098	0.5392994458
7.5383676445	16.6944418385
11.1670350063	11.5623002387
327.2018230824	89.5283371841
0	0.8398688492
7.3128663646	3.305111738
335.5596649568	113.3182607257
2.7638996059	3.3227862904
404.1286963754	217.5328375103
11.2953072313	7.4117175461
1361.7998677157	661.7824319954
0	0
16.3471754186	12.5376262555
5.6218692522	9.5770549234
2.0177775317	1.2767322444
54.1679112181	31.9893496306
12.4125732299	15.7079085572
0	0
0	0
40.9009328672	57.995541846
1.5225274553	2.5689781483
0.8995141834	3.9841217426
2.4898475303	4.726292035
0	0
46.8053488767	56.5693184639
79.0784990576	115.1437150231
10.1049303245	14.5313911084
73.3336366951	52.8260491101
4.3855703927	2.3124448568
0	0
1.9017646462	1.7297811812
0	0
0.7370728514	2.5650725295
3.26133956	2.7084565668

gene_expression_table

26.0082098537	14.4414027925
17.140967677	13.557259032
0.7460127285	0
67.0531413532	49.0565971312
0	0
0	0.5617218484
17.7924744358	5.4038605456
1.5403591997	21.4422933157
0	2.107762364
0	3.5778576234
13.9342810977	4.0692934601
0.9135995592	1.0820334318
0.6390078745	1.4983883341
3.5450935587	11.9633545578
26.9113432147	22.9642759483
5.6886511464	2.4257146374
19.4056529435	17.4551118296
8.8336127283	8.6814027135
293.354139556	181.3917425641
0	0
0	0
4.0096620587	0.9095195685
0.2238489727	0.2360643471
3.7746170976	7.0867675459
1.6223399919	1.8477402705
5.7331480854	1.4867223775
2.0836386972	3.1861462835
0.2722521099	0.5455067763
0.0774332981	0.0244976433
36.06777338	43.3610188506
21.4588226582	17.4423723973
16.7670745077	17.6820489635
10.1843258903	8.3235632699
0.9503117969	0.5678963558
4.7876909703	15.9624619324
0.2555935343	0.6468988807
1.0049522791	0
5.5165098572	7.518057147
2.1393581603	4.873181017
0	0
12.0748514803	14.1890609738
32.0453272992	18.5867173998
0.0200165842	0.0253306601
3.7469891132	2.3708767419
25.1311876097	25.6476670868
25.4231670267	32.1726023679
0.1167756007	0.3824832366
0.0900900068	0
0.8551170969	1.3953868108

gene_expression_table

3.5446782376	3.4728250661
0	2.1641106035
2.3999744513	3.1751797369
0.4096022707	1.0366899585
2.023329552	1.6403142136
0	0.2088386376
3.3279081911	0.8098871973
6.6442732212	2.6878733414
0.3127625546	0.0989489753
0	0.0205532832
0	0
34.2933937927	31.0821575213
8.6877545435	3.9265040665
0	0.0380044816
6.3741158685	3.7862409692
0	0.0137639327
9.9431133358	12.7038363383
0	0.0551675538
0.2761841448	0.4077576084
1.3213406734	2.1083441642
5.0755997078	3.4465352803
67.1222439773	33.0330399539
105.0516707527	54.8090798582
1.3191189293	2.3885532285
14.4651984442	5.1176588999
3.6847679707	8.9929548863
15.0069355886	17.4452500693
224.4331317262	370.1278337309
1.8877573579	1.1944630419
0.2017777532	0.2553464489
0	0
12.8584250634	16.8450889757
7.4881422998	0
3.6214785325	12.8576419836
403.7121208507	523.7275504229
2.1927851963	0
8.0370049972	14.620379052
10.8335017914	7.9004586715
0.9898653218	2.5053167738
0.7514845567	0.1584985708
0.3313681232	0.5146457043
1.0308735564	0.4348512125
0	0.7482818501
1.318090435	0.9147216888
3.0849401499	2.7199591309
9.3189734495	6.6040848134
2.654126865	2.2191768622
6.2138949691	6.3292249602
0	0.1633711721

gene_expression_table

2.8666136658	2.0611663315
0	0
0.3042787809	0.4331923022
0	0
1.5671779252	2.2159649653
9.4329918073	5.6910369246
0	0
7.1525200226	6.9069527985
0.4639737535	0.9384793803
0	0.1143395229
12.773676471	7.3247107095
0	0.1272164329
3.5549297143	1.3022568418
0	0
0.1641669823	0.1817818039
3.6998712371	1.6437252893
0	0.8595251578
1.5605810322	6.6299871549
1.4168774981	0.922885825
3.0621506614	3.0139679233
44.7867724762	54.1517189047
0.3948301909	0.2498255768
24.9930890506	18.9770074309
25.4807590808	16.0455997789
0	0.0257992482
0	0
7.9108681041	4.1769178221
3.3065564835	4.4305339649
0	0
0	0
1.529881486	3.5598155148
0	0
0	0
0.2879882215	0.3384126456
11.7649639744	7.3260231505
0.9551903785	0.4029259376
1.0523533149	1.3317359208
20.158799239	11.8139637891
85.7874374966	63.3281833812
0.600681337	0
3.0575124333	1.645327632
2.6301048887	2.1004180471
1.5462157858	1.565368645
0.7375165534	0.6787746507
0.875548713	0.498596664
0	0
10.7179505296	22.4090811561
15.323404731	9.6957591243
104.2028423348	32.966748483

gene_expression_table

0.8726032818	1.1233042467
37.841392053	38.1327688293
0	0
0.8323839349	0.4138232472
6.123492407	6.6298536249
0	0.6826247621
137.5349801284	113.6772830607
0	0
16.9837651012	5.7711818302
0.2570660424	0
0	0
2.2540882953	1.6639652738
0	0.2689451441
0.5803371796	1.8360180401
0	0
0	2.5527145482
83.4893059243	67.9206549452
37.440327137	22.2847184381
0	0
0	0
23.1169090071	8.776221161
78.9943254679	74.7777373555
7.8635848327	1.2979875766
0	0.9480332627
0.4983933099	0.3153542941
2.5522638336	4.6140688119
0.2090047937	0.2950104756
0.0375452547	0.0305440112
4.5039939586	6.079712793
4.1587765246	3.9977522509
29.416011981	26.5460407281
0.87734231	0.7401749029
1.8363633782	0.4979759662
2.8381866986	1.7958394405
6.826572577	6.8603156676
5.4216552161	6.8610160669
0.8124949354	1.0281990617
9.3974920974	3.6998492723
6.9121773609	6.7166364585
1.2595306339	2.390873148
0	0
0.1067167576	0.3376207816
1.914423717	3.4994150034
15.9603962523	6.0592861824
0	0.008806
77.573781537	69.2557556757
6.4006849273	11.9474441943
0	0
0	4.9285146557

gene_expression_table

2.4008783539	2.0255148787
0	4.9651148597
0	0
0	0
1.1881876673	0.107402291
0.7412046486	0.1172477961
0.5250986637	0
26.4242013615	12.1597799848
7.3432990949	0.4040358691
0	1.7519683004
16.3688194881	23.5391744748
14.8495470962	5.1250524971
78.3014119867	116.5215088677
35.3370602528	62.2864434457
8.9653657445	6.6738375435
0.5093911387	0
21.8303225165	5.4050705922
43.881647907	8.6382346159
6.2676008026	7.0163679524
6.053167937	5.319572982
0	0
0	0.1959651902
22.2433091256	15.3075845841
0.2694973828	0.4750263143
0	0.1230810382
0.8951782336	1.0114584146
1.3521780501	1.5167093113
0.8334180219	1.3183461072
0.2581972846	0.2764760679
0	0
3.6237295893	3.6031054484
104.1819348624	160.0920792675
0	0
2.0756484141	3.1977206979
1.5089002771	1.5912405333
3.2492963985	2.5699571796
1.3391570201	0.8104997629
11.3300444649	4.6681815201
0	0
6.3510925141	3.2088835976
16.3689304887	9.3847899141
0.5363646792	0.9025280108
31.887859007	13.5396827965
20.3685958498	19.4708883849
1.0982277279	0.9874818289
0.8496445489	0.7795281855
3.25254484	3.6015370449
4.2564869584	5.5514079863
5.889481155	4.9686947645

gene_expression_table

0	0
13.0482575732	9.6533777656
5.324651585	5.8669328903
44.0241003388	58.6269307207
0.1846792719	0.3895143337
0.006002	0.0113937996
1.1243016304	1.0994250341
12.5613456752	8.3160559029
5.8213682604	39.4652485275
0	5.6562100228
0	0
0	0
0	0
2.1590225463	1.1384198943
3.4551340986	1.648615768
2.050206411	1.7108677261
6.8285687806	8.8956022533
0.9525935919	2.8242946567
1.3033818101	0.9082185377
0	0
0	0
0	0
0.9081036387	0
3.2994630131	1.096046836
0	0.0128126592
5.3806014248	4.1212750736
0	0.0553933526
0	0
19.2253099281	16.8093452576
77.1675689188	95.418621972
61.7494882716	58.6072261521
0	0.3255321873
2.5756089452	1.3037564102
9.3856481257	3.493348326
0	0.006782
0.0818508954	0.0172634951
9.3897411318	7.8469761873
58.6173070289	50.014793324
1.7836421176	3.3857549232
0.317709476	0.0335046791
0.0811002554	0
0.0926741948	0
0.0391762353	0.0991537711
0.4066394265	0.6861273977
6.7474389549	7.9914164306
51.2608999827	108.8886451343
0.9283041758	1.4684422033
0	0.1188183438
0	0.0221116203

gene_expression_table

23.536626834	28.8894205992
79.9674863498	56.9834767945
0.5345712739	0.3382456052
0	0
75.2747629807	39.5566960384
8.2498191418	8.7300094431
0	0
0	0
0	0
3.6598350909	8.4910127369
5.3227280154	2.2452751037
106.7393041793	89.3890885642
2.3579864461	2.3208836853
0	0
13.2561859272	35.4866063494
0	0.3356489471
8.965203308	3.8597474504
0.5535802384	0.8173045349
11.144705329	9.1031310359
37.5022552147	21.092662691
9.4337450874	5.9691251137
12.0975571669	4.1977005633
2.7906702573	1.9262986915
2.1912305808	0
0.0542602337	0.0514990792
0.2662357425	0.0842292452
6.2206705434	1.9084016739
6.9305958774	8.1326972079
0.4226929341	1.0698219997
2.1732804094	7.1506521815
0.3667326077	0.1160235303
14.4741256342	11.7142130086
13.5889480255	14.3304930291
0.1152043363	0.3644730117
3.4605802483	5.0635745814
31.5238772955	51.5423638154
5.8246986747	0
0	0
0.5689595903	7.3800928924
0.9366093985	1.4731136873
0	9.4687479215
5.8540390107	7.6636455439
12.5410765478	7.7127796738
13.1714845923	11.1282570797
15.5962775249	34.4096124475
0	0.8422199033
7.3412502074	8.0678331877
0	0.0294341538
9.5876492475	2.6633444107

gene_expression_table

12.7883659615	3.4905519468
0	0
22.4769065063	48.3945740886
1.1086387058	0.2338273605
19.9564188952	25.950512716
7.7771245433	1.7116215659
18.4521237866	12.2248625649
2.2049742166	3.0616437207
0	0
40.3769990236	90.1364031546
0	0
2.3675596417	0.8988324097
1.8660026135	1.1806979052
0.8498314444	1.3443097545
0.4728129135	0.3390576416
12.9297345432	4.8644877085
100.0666966339	130.841108907
41.0626385345	32.2695199056
1.4280014943	0.6776672072
11.0774827911	8.0104991011
8.1408470574	5.3963427576
29.8489694025	13.7144025201
9.1393452908	5.6795809402
19.7519795703	11.0613630134
0	0
1.9358313496	2.0321897071
0.005458	0.0103610238
0.5979973729	0.9459448775
21.8928360696	4.8605309193
20.0683503582	18.6584101645
0	2.018719603
0	1.3368813595
0	0.006971
127.363289447	122.7136682084
12.8155446739	12.9005723108
32.938515818	38.2095573162
18.3722105467	29.4773390139
56.3441134849	107.6020371729
10.360842491	10.894094727
23.1825503775	25.1461188153
13.9063519766	10.1357073698
9.0913394851	30.8168076799
23.9698729577	17.2084179428
8.5867662171	11.2925461257
12.2052715133	6.9719594131
25.4865204854	38.4552318911
4.0352351726	3.1368648417
0.4574963156	0.4342155827
2.4641422219	1.3557963952

gene_expression_table

17.329858414	5.9212761998
14.7141202847	16.6292714755
46.7393269942	25.8185078841
1.3701565928	0.7947091052
0.4530100462	0.3968839452
0	0
0	0.0960563191
0	0.021300947
51.1615156559	23.7522593962
12.0967934804	6.6665153229
18.882150425	12.6994686007
0.2030553415	0.144541809
8.2723478215	3.4469520263
8.8122600165	6.6481711894
0	0.118498174
3.5263911755	2.9963106964
3.5204054883	5.2756763798
0	0
154.6013137994	136.0774121073
3.1459820439	1.7106670883
29.2292360243	19.1550802485
26.9243590548	12.3365355731
5.9702947394	5.0916222375
2.9600713355	4.4482822527
22.4284970203	34.0860017734
0.624916071	0.659017562
3.9638092746	2.7588747199
1.0147961259	0.847906506
0	0
2.3460185393	2.0280159688
189.3197353645	112.3852836094
39.0443574178	23.1053939015
0	0
0.0377334831	0.0636681416
1.136130986	6.0385718163
0	0
0	0
5.2402916513	9.097062411
5.7099174522	3.9139789084
3.9671582341	3.3673239626
0.1150071438	0.2546944065
12.82667353	7.6961811599
25.8805865512	18.8356032027
86.4150194018	54.9723672414
0	0.0322214836
3.0315267991	3.497846358
14.9849387273	5.4390559453
11.4350381975	5.0937405904
3249.0811998612	5381.8135978627

gene_expression_table

2.0842310431	5.3526959464
189.906650338	163.8571106297
19.2617111669	8.4878557716
14.745193216	14.5779695517
2.0818609284	2.7662890289
40.7282376497	15.8311570603
0	0
14.1889545115	15.0976055002
0.2612552064	0.0206633871
0	0
0.0695346271	0.0263984803
0.7507204997	0.803866904
0.0329436358	0.0208448164
23.4760269172	19.8941038275
0	0
28.8034852131	36.080910667
5.6777436946	3.8074845707
0.6307564233	1.0131151609
0	0.457255165
0	0.0622625198
529.0113566245	144.4372576413
0	0
2.1767412637	1.9894553564
6.6889884686	5.5021236304
0.909172153	3.4516275017
0.4450044508	1.8704487479
0.9916451672	0
58.6088862119	103.0353390584
0	0.2430567506
35.0033404367	26.0087517031
2.0267388829	2.2442043158
2.2957735808	1.6140355253
0	0.0120367115
0	0
0	0
0.7736523627	1.1113477209
35.2554836607	17.8682919854
6.7721899207	6.4887867164
0.0155598105	0.0196906859
0	0
14.4638346567	11.2638439187
0.614133806	1.2952938239
0	0.088181022
3148.4414741025	2730.5852617039
7.2523990636	2.8043254816
2.700400165	2.5092153066
2.1269221965	3.0082423699
65.1159476977	30.6850956223
200.0924745149	58.8869200652

gene_expression_table

0.0569546725	0.0360376036
0.487018602	0.0840428293
0	0
10.408002665	8.8434913092
0	0
0	0
0.2383829835	0.1508348848
2.6631794644	1.6148923331
1.265285405	1.1723056791
0	0
4.7130799782	3.7954799807
489.3357157837	226.7534431786
22.6773273073	9.0344885251
0	0
2.16632774	3.1330883995
1.8800065293	2.1961084956
2.6949669162	7.4227149251
1.9975101016	0.6319540968
113.5370473807	157.8016000468
0	0
0	0.3829321745
0	0
0.1478559137	0.436588232
7.328813377	3.8919749718
20.4840680832	28.4147777405
0	0.0278277674
0	0
0.7421167499	0.9391366182
15.6787385927	13.0771462693
9.3807929208	6.3922062217
5.123971376	6.9474664634
0	0
7.2385479954	5.7251651155
0	0
0	0
0.926458201	3.68474138
18.2883475399	7.8688256713
0.2650303327	0.4695481764
0	0
0	0
0	2.3376569797
11.6984509245	21.7128243947
0.2930713763	0.3708770369
32.2021001181	11.4612838322
0	0.1301702613
1.0186983303	1.2891460879
0	5.5022724813
10.0607887976	10.1735121909
3.084852839	2.3739511928

gene_expression_table

3.7240328287	3.2879321029
15.0327370343	1.4267762272
2.1115270796	1.6161913363
31.7619182793	32.7003567298
0.721852254	0.4567461149
656.1636183219	1030.3153682919
5.0083861376	2.8169025788
36.4080739334	25.4051918602
0.5210382612	0.9498001652
58.6704787714	40.250867166
0	0
0	0.0466460254
3218.9470826704	3305.581828601
0	0.1344587037
15.8157511314	24.2281692181
9.0072765764	2.2980970356
1.6389928327	1.7407781467
0.3002732651	0.4863883641
0.2840180648	0.4672462849
497.7581332315	508.8068087918
0	0.0808219236
3.5917846999	7.7270862199
317.0914786319	127.9925956991
0.3677865122	0.2792566922
2.2645576375	5.4350633575
5.1887954767	3.2049972711
360.4287895044	529.1499526913
250.6162638598	159.6773762525
195.8455721715	124.3529710003
0.0332934488	0.0421323153
0.3948319923	0.3122833958
6.0711101141	2.5986247705
4.0838090813	4.6804470779
57.2518182601	19.2105561431
0	0
3.3973085431	3.0391168264
35.5565740556	34.5728170214
3.444836131	4.284222033
0	0
2.689696923	1.7018837485
26.283612664	22.252400103
26.240024327	18.5084417321
0.3475073909	0
0	0
0.0127274105	0.008053
0.0128108677	0.008106
0	0
0	0
92.47235176	117.7702613673

gene_expression_table

8.1402666968	10.391737398
0	0
2.3191993675	4.108872454
108.3535091575	62.5104035845
0	0
5.6415209052	6.3955803674
0	0
0	0
13.6984678694	19.3082979465
30.9753019077	17.2092021885
123.2745746147	109.3635920113
0	0
11.2863322446	9.5217793313
0.0197833989	0.012517784
0	0
0	0.1048513318
11.409120466	21.1758147105
9.8094407396	2.375458611
17.9906109133	16.7193864342
0.4063453865	1.2855586139
0.0248143836	0
34.5465423851	24.7788422736
0.8690927191	1.2997903832
4.6753838665	5.5344477308
0.7040133786	0.8099249314
33.3790468908	26.3335624899
1.2040928442	1.6189948037
13.260608476	10.7617816823
2.0477314954	1.0527443632
26.8263747577	11.5664694203
8.5739001222	9.0755764269
1.9468020293	3.1565466303
0.1425383695	1.2626598388
0	0
10.7814659552	5.9899473479
0	0.0437706153
14.4984737726	12.2905274199
19.4910947205	35.2366597363
27.2212784853	26.2596042779
30.6660110405	29.2214600102
370.2630112507	402.0863821028
0.1043355074	0.198052319
34.2750950955	44.1960607858
4.8492814954	4.6314614929
2.2677423406	2.1310328236
5.3519146913	0
99.0692669197	56.1251827742
0	0
16.2298048212	9.9821783252

gene_expression_table

0.6311719581	1.9569076037
3.8932120061	1.8921753387
0	0.0893391784
0.0515264918	0
0	0.034123496
1.0967816658	0.8481973334
5.722796186	3.9405571555
0.1845487825	0.2189470013
5.6588949856	8.6874048317
0	0
34.377262251	73.5422454957
9.9864606615	5.7867375764
0.5517707528	0.4322542527
0.0503420069	0.0424713247
0.0379401845	0.0120031708
0.6005073021	0.5298118694
63.3346461937	24.0446878938
4.1462902798	4.4791997669
12.7885326644	18.1629779569
5.4997383464	2.667934447
0	0
2.2915802982	0.579991483
1.5194061514	1.0023021165
0	0.3693477192
15.5929953317	6.0877419328
0	5.1645280335
0	0
21.6001736823	17.2851569292
3.5920828723	4.5457221675
236.1740245225	169.3621419318
0	0.2552881164
0	0
6.615350643	0
2.6040911926	2.4715761332
31.0372306335	5.9372372722
9.8846760167	8.4164793728
1.9855687073	1.1516563428
32.5810804975	118.4375655854
3.7634468606	21.4316122232
69.9927103108	63.7115766627
192.5367607966	185.5671980541
17.9395647925	4.8647627248
8.6726923444	0.6859469012
42.1515065121	33.8794054265
2.7910425414	5.2980280809
2.7640231929	1.7489130883
5.0543429832	4.1575224857
54.501883683	12.8946237002
9.8412478895	5.8606768769

gene_expression_table

5.5143280366	2.7913168027
3.3162346934	4.6163048861
465.7265489968	435.620813667
0	1.8390106876
32.8542978334	8.0318387295
140.9565740871	166.4138465801
825.6825788253	453.4122774495
10.9736578528	21.5248262298
165.0120188053	109.1025910192
0	1.3485585211
42.2148588093	20.3513195745
1.2479579879	1.2359507773
20.8200825156	10.2462399471
0	36.5539180442
22.9784173889	21.9781716013
28.5598851994	14.2666057699
0	0
7.7786847339	19.687596799
29.9489412234	5.0533194196
270.7209402264	169.8689921376
3.1730719514	3.2123765562
24.4658957319	5.5633390419
46.891943313	34.0338018738
63.5209620983	87.4775104999
12.5919388244	6.4735501941
23.7881330176	10.9246549179
0	0
47.4766625845	33.0445173103
3.0734426195	3.2411595034
60.8720792642	33.5464641772
115.153198833	87.1958020594
17.1374035722	1.0843552067
34.5184703997	28.5616739358
45.4519225625	27.3898405513
0	0
5.52313894	4.1711186493
0	0.2582036725
5307.9439828343	7377.7446078571
1.7464222259	4.1438789703
6.0098794113	4.3731073991
132.214089423	56.1535869633
2.6811275641	7.0942937823
6.6237471291	6.0961772628
0	0
163.4396992785	47.8975358063
0.7029180656	0
14.2830246884	23.2043075576
0	5.3652527171
16.7193165861	8.288014943

gene_expression_table

1.1926556991	1.8789074284
0	5.6156055
1.3671188435	1.5315343255
0	0.030690101
2.9797522857	3.3981297196
3.601200972	8.4309328015
12.8332700139	12.6204690153
0.2410670533	0.4448885233
0	0
14.5153405835	43.298183366
1.9285594071	4.2031873731
7.801031772	8.6681662341
7.4274638125	1.6047643523
0	0.5739888317
0.7994688887	0.1821086662
0	0
0.9981120479	0.3886444566
0	0
0	0
0.7088975422	0.7124015545
2.2472593802	4.6923855289
1.3761869947	1.4736125885
0.6536387299	1.6543382598
43.9440388756	49.7123835875
2.3038873715	5.83106363
0	0.0690859979
1.7533708809	1.0406291683
80.1335071286	95.5118503736
0.0403385207	0.0187175042
0.1285902409	0.5695509687
0	0
0.0452797928	0.0859512566
7.436386822	13.1393645848
15.7979166039	20.1586053124
0.0654423457	0.1739140597
0.4555675038	0.3391254297
0.9230268652	0.6883301537
0	0
0	0.0350480179
0.1523841111	0.1285597348
276.8935524632	324.3607049699
6.3296497389	5.5756357744
72.0570029634	52.9210033301
0.9476540884	2.1531822753
3620.0824069684	6012.2749777273
0.4009856727	0.5920142845
0.0231678251	0.014659252
0.2860982811	0.2506518684
0.7689136337	1.088886641

gene_expression_table

3.7407391772	10.5815342993
70.0528271589	66.4880308941
4.0015144658	3.8287655094
36.4654586116	38.8375333991
1.9283922847	1.8302616896
3.3192873795	2.0252429662
3.2235990789	2.7491689224
0.051905362	0.8867527288
0	0
0.1510296287	0.0764502107
0	0
4.9775686215	5.2969130536
3.9197599673	5.1375490394
0.7833117894	0.6608455116
27.6209283657	15.2113904712
30.8145492606	19.8955655462
0	0.6292260667
2.9756854823	2.1043513396
119.8039114943	54.7923469249
13.4745754082	9.1990270162
17.6454469154	15.0934426095
0.7385258624	0.9345924088
64.3745071978	26.4124437516
53.2171658041	52.5567559944
4.7463139318	6.0063827091
1.9078584779	0.6035909307
31.5356672801	10.42369779
9.9990707598	10.8730556879
1.7486866174	1.7211711491
11.9371640847	6.3911210227
17.7408339321	23.7807552624
0.0766997316	0.1455933852
9.1364506502	18.7194754849
2.403601232	3.8021475948
2.5502247635	2.8686824521
1.0229634879	0.1294543575
15.4691227941	19.5759220757
166.9639684556	165.6707040642
64.6577858147	40.3512515565
0	1.6639450484
89.5863980942	62.9834014611
6.1660463526	19.5075772106
5.7247533666	17.7089777889
0	4.8287274453
9.7911216502	2.0650840711
0.0716670412	0.2040603059
0	0
2.7276167539	8.197916755
151.6172558091	96.87281513

gene_expression_table

41.0163327737	22.1547860618
7.7922258742	7.0435246367
464.5133325746	269.90044984
1.0108685966	1.9188565318
0.4572011737	0.3535770413
0.5855240904	1.5877953575
0	1.8895020438
10.3933778369	5.7542842823
0.167605582	0.4242042494
3.7395411183	0
82.4962269229	7.2835553645
2.0820011682	10.5389538046
6.1324022505	4.8502842643
10.4026420218	12.8296860017
10.5463194174	28.3606640744
0.498746286	2.5246210946
1.5500154134	0
3.2656038187	3.5815591596
0	0.8734410966
109.6424133915	135.0006637645
0.1557082412	0.886708055
1.3414783144	1.6976188823
16.2563089244	14.1433141151
139.6199388604	138.5091334125
3.7513660375	3.2481474383
0.7369264005	0.8030449387
4.5997404604	1.9029853539
0.4574884151	0.4631552899
1.2467808375	1.1340299306
32.3037279891	40.3623734864
6.7905761491	6.1585769132
14.2678556668	13.6518995837
2.6940544422	9.816380546
589.3373484283	453.4000291125
0.1288466601	0.1630533426
4.9894391072	3.3005280418
113.7692294816	40.7196647929
10.3153299433	12.1797376069
2.2133298807	1.1670553293
0.3628659319	0.4081785834
48.4053130656	37.796337118
0	0
0	0.0662074147
0	0
1.3724991049	1.1579167905
0.1820999684	0.0493809715
0	12.6088627683
0	0
1.1717299722	5.5605192362

gene_expression_table	
0	7.1200289394
0	0.1768684648
0	0
9.0174492611	0
0	0
15.2554245026	10.6353599701
0	0
0	0.2723725091
4.1149390684	5.5545473476
0.2643735988	0.3345604685
20.7431592903	11.1058238353
7.8444942494	1.7553981629
1.4727052732	3.8532935333
3.5477128498	5.8828882728
0	0
17.9256789236	25.157792647
3.0291172014	3.3847208498
2.0563060006	4.6839989457
0	0
4.1608129002	0.4993090341
2.387355979	4.7583269583
0.8956043855	1.1963378632
0	0.1106042158
86.3070291124	62.5327714672
0	0.0248689035
0.2347865948	0
12.9173764814	6.2872033929
0.4883545344	0.350202653
73.5421335878	47.7740689667
7.1330042332	7.3854820462
1.5596810107	2.1147330303
5.6843928902	3.7299662294
0.026207125	0.091202893
111.8040634006	36.4565707259
3.1024353768	3.6286508658
0.0209651222	0.4642928423
1.442106667	1.1568958185
1.5690183183	2.5067783861
2.9178482268	3.5078647809
56.7243958011	20.2558235699
1.7933451491	1.9920718795
1.9096687901	1.8988000767
1.7007735503	2.690376414
25.9848973537	23.002225291
0.3153123159	0.4489004052
0.4179251655	0.5288774665
0.6619684588	2.3037032308
881.4666708235	374.8043034489
10.058473678	6.3644170243

gene_expression_table	
0	0.2047527657
0	0
2.0580860558	2.7031285955
4.1348053572	4.8653336125
7.4283370559	4.0136706436
0	0.0992884327
11.3138229873	15.1851828148
2.4998046828	3.1048793414
2.1858067428	0
11.871287877	16.9285375892
0	0
0	1.8759085039
10.8126131945	5.9322670365
0	0
3.5972715318	4.5522883314
0.2100894358	0.3766417254
94.2535420864	58.9281804594
3.9795121311	4.5863640302
3.9626196265	2.450330751
12.3143037688	12.8786334225
0.5841210932	1.3991918547
11.1906100622	9.7665752687
0.0271632595	0
5.5701387416	4.0809534189
12.651465124	16.9464926574
11.3835037845	9.1420394953
1.2375383668	0.7695415596
0.8653872978	0
0	0
1.1725968337	0.2967804257
0.435866695	0.4596518158
1.0829090551	0.4111211132
1.9649740078	1.974686685
0.3726241165	0.2357748647
0.3475933708	0.7477853407
15.1179981178	11.8433587607
3.3762664076	2.7466778306
0	0
33.9880159695	20.9542127122
23.3385016115	23.4498399955
2.3414399362	1.8234178288
3.3413305235	4.2283991684
1.0137890027	1.2335898212
0.9679707906	1.0499581846
0	0
111.4892850031	47.0292893475
6.2104435383	2.710074068
0	0.1053540534
0.4691132616	0.3895862024

gene_expression_table

0.3674780571	0.3756071916
1.5039239083	0.8987291431
1.0459641705	0.7090985159
0	0
0	0
7.7497452897	8.4915792246
2.1014147093	4.5588102345
0	0.1888741681
2.6339584412	3.8887699191
1.8028511428	1.6296276117
0.4048704929	0.7685354877
0.4652262714	0.5887362431
0	2.7469534078
2.2783785405	1.4416254031
0.3688076132	0.3500400051
4.9670979926	1.9788570853
0	0.6789387644
18.3954958609	9.5481091144
10.1956767023	3.2256155584
168.4291055962	167.982543862
24.1106725965	20.2917364566
6.9110317019	4.7854364599
2.5863855517	3.3821295998
3.37820509	2.7581053739
0.3816478077	0.046439333
3.7356586803	3.151610004
0.1455591746	0.1228018377
67.539445414	28.8539450777
33.4736180605	34.594258539
248.5345165565	133.7868135812
0	0.2605254933
1.7295893955	2.2463662469
2.4751835301	3.9806367198
0.5176822862	1.3873097064
6.8004212372	4.917612533
12.0997533027	3.5090091785
0.4554200196	0.4034286142
0	0
0.0208560479	0.0131964939
31.3671208181	23.0048126822
2.6124002487	4.2977347646
0	0
10.6880436294	14.3211647993
0.0365271996	0.0462245742
25.5764914159	24.2338995015
56.1725087206	75.4889115702
0.4407773437	6.135761771
0	0.026563002
10.0741209201	5.4867544663

gene_expression_table

1.289544891	0.56761669
1.5795790493	0.7196153296
0	0
8.8858461545	6.0989250616
0	0.0514285425
31.3119639737	24.6057093295
5.0782184995	7.2297028294
5.55113059	3.0441081825
49.1402183639	38.5075732983
2.4368670785	5.3966770565
2.5945521241	5.3354653769
0	0
0.3799253524	0.69714452
9.9270534821	6.3128260997
0	0
342.1028640297	187.1945831841
0.66848291	0.1057442746
0.576002895	0.0546691687
0	0.02825143
0.1489437007	0.2120465464
5.2818949615	3.4366629275
0	0
5.3751838857	2.7208829431
0	2.4134326144
80.5100444837	48.2371839198
0.0563102844	0.7482273181
3.0419790179	3.3430517396
0.4128926319	0.2612544387
6.2374384805	7.117531761
2.4561483085	3.0242097167
1.1091304837	2.434345336
2.5428453608	2.1040306602
0.0494394308	0.4379535414
0	0.6522043073
0	0
8.4388552471	5.6362620693
1.7559099438	1.7359963564
5.1793928283	11.834400093
27.3707219533	13.2168268109
15.0313444695	14.2664405706
0	0
0.4558767999	1.1538092793
3.7028384062	6.3079173844
3.4398783909	0
3.7022128979	9.8907453762
1361.1525395792	628.6961921376
0	0.4108260313
0.0807954968	0.0255613452
0.617069703	0.9761145301

gene_expression_table

0.1953117762	0.2965966329
0	0
0	0
8.5231463845	6.584417194
0.1195270606	0.1512595418
151.7806651465	139.8509206078
2.7617223858	3.2190002369
0	0
0	0
0	0.1101455711
0.0874309447	0.4544242728
3.9740805212	5.3085302796
13.925346854	8.8111494272
0	0
1.4217535865	1.5947507083
1.6872880648	0.8609820443
23.8816875016	14.1464143593
6.2223909736	6.7369302695
12.0113896013	10.7245977136
0.9232607399	0.5841856885
0.4025699426	0.6368071037
3.0656942314	4.2219023525
37.6808222789	17.6367198413
0.7506157533	0.682734852
18.3566726242	19.4832838393
0	0.0357768581
0.5782616608	0.2392359918
23.2759571271	19.5892331875
0	0
6.3499801731	7.1085888824
3.465533425	3.123061633
11.7408951065	15.0095222049
0	0
21.0971381178	11.1759419245
0.8857389577	0.8406661312
11.7228550512	12.6098192533
0.4571072594	0.867692649
1.1775435743	1.0837542895
2.3079559886	2.2568895417
0	0
0.7972384706	0.7033826284
3.1546847988	3.447810865
11.4064738128	14.8883683825
37.9805644261	29.5194891061
0	0.2987183893
0.8516554795	1.0007735124
0.1638167559	0.8292297092
0	0.8605652873
2491.9631587449	3232.089734139

gene_expression_table

79.9599908195	19.5363089137
0.8856807912	1.0585470902
0.8305439092	0.8758664526
13.3986067295	8.9288088602
11.0163569106	10.4557647181
1067.1055042721	810.3623559085
1.9762854198	2.0083441767
1.5577298478	1.1595774492
2.6125973304	1.9730543747
3.2588532587	3.7767391766
6.8805628695	5.6138783299
2.941918681	3.7229500094
0.0200441043	0.0507309729
0.0365366993	0.3005378727
0.8461573465	0.8923319106
1114.9323957555	2266.226226266
1.3072146292	0.7519357949
5.2022615861	3.1324132566
2.0730276941	2.5262203453
1.9948471845	1.6228584702
0	0
27.19587085	28.3425306575
0.1528060087	3.0939761052
10.3955626967	5.7554939279
36.0899270077	13.4327096445
10.260461167	3.3444784932
0.9148684956	0.5788755645
3.4654303958	4.7508993225
6.0688505745	9.8133732199
0.558246317	2.1193547715
56.5266387975	16.1527342862
2.166110847	1.3705889375
15.2302762857	17.9887546749
6.9253325106	2.3814932358
20.6844270503	8.054093654
27.4487631816	28.6571679872
5.9686858826	6.9408467781
0.2382341492	1.1305553332
9.1899422199	17.0569251353
5.4498227626	6.8966616367
30.6703094964	15.8779535754
11.2031320306	12.1520404165
5.3100270322	0.5599793687
31.9555694816	13.794697741
2.9567882275	11.2253015328
4.5552405811	4.0691170635
39.2812893106	21.8390464891
2.2101689425	1.3020203831
18.6525693075	11.1278459017

gene_expression_table

947.36320385	522.5081610203
2.6840909546	2.7597970039
51.0395901069	55.0209127259
1.5915939365	4.577582078
3.9921605971	3.704810259
118.5683837233	80.5126765624
3.6204474521	3.4362128098
0.6230055905	1.7344874637
4.9890730174	2.9390851696
0	0
16.8279350322	0
4.7866680283	4.2797202208
1.5031274848	1.3315282859
2.0908038114	1.433183945
1.9865435892	0
5.4094549668	10.0238803888
8.6219658359	6.0730797572
75.272409026	67.8338206068
0.4437676491	0.701975884
46.569297344	29.9832957154
0	0
0	0.4983270348
20.152071921	18.4181960877
40.765363931	19.8683135328
482.3839952321	144.0659786572
5.4594786999	8.7624833052
14.0572056676	13.4944186228
2.3592272907	5.0211751088
1.3370071309	1.6315335058
0	0
1.529848334	7.3982783144
5.152444663	4.0585755635
0.3358759763	0.2125227793
27.2017612893	12.6453248591
2.4185930542	1.6878805046
0	2.3109419384
1.1812462199	1.3880729437
0	0
2.2661392974	2.2225157392
10.8842234384	6.5589556546
4.4089052156	2.510728872
0	0
4.1319929602	8.3663512957
0	0
1.7412674147	2.347254941
1.4344226214	0.7118581898
1.7067455826	1.5494638073
3.8274499842	3.0374964379
15.4023126292	9.9955768738

gene_expression_table

0	0
3.2741214646	3.0317174654
21.3316354196	14.2821515989
0.0403389595	0.025524147
1.5460095378	4.2389745727
1.3756451471	3.1915701597
14.8822422074	9.4166171425
1.2505485471	1.582548748
26.1656783389	10.8602065978
3.9343726386	4.6232496817
110.0623589959	54.7179743398
8.5191034571	10.2417468831
5861.9961497693	7607.0046339919
15.8465151938	45.1203884767
22.7407152055	9.3105305211
104.516559585	50.0138056896
0	1.0541084034
61.2278478102	16.1422584842
0	0.2841528477
2.2845648964	0.7227698846
0.7668355624	0.9704178714
0	0
0	0.101743363
2.1187666489	0.5769809826
25.3862107446	17.0860331563
52.6698989043	19.8026720746
13.3786143381	4.2840125989
0	0
9.5939588217	10.2731522297
0.5497075561	0.6956459281
9.1364506502	9.0844513383
195.2734892931	135.2455955984
0	0
0	0
2.308727344	1.0265280371
22.1916468319	15.8311967315
2.4377869204	1.8509877034
297.2270671266	67.2320378802
17.4815086779	15.4857944656
0	0
2.0339416105	2.3759260305
0	0
0	0
61.4266568523	30.6846435465
5.0844840374	2.4128742941
1.2538461397	1.1107052582
52.6930248438	20.72553676
31.8704511228	21.0554337237
10.9921960852	4.1731333483

gene_expression_table

6.2569621451	4.3989351854
9.7499392248	2.6657012711
4.4718667934	4.2443057557
35.8358107066	21.8552447062
15.2666373636	21.25164808
0	2.4481134346
0	1.7337186306
120.9618651639	74.5751283331
2.1681730861	1.3718938024
25.6430494395	11.0521044817
116.5266524583	105.3304101633
0.7330085934	0
241.520516766	212.0958214155
2.4814073692	1.1339540589
126.7043000223	61.254331573
0	9.0486274858
67.4052886238	7.5264962747
0	0
0.5700088956	0.5410027061
0.6070969818	1.1524069625
83.4392999123	11.7323411496
43.8401522589	33.5185601924
0	0
91.4417376997	37.4926399632
35.8776783987	21.0402365187
10.2442924991	10.8617169357
86.3959135498	85.6789254951
0	0
0	0
482.2168923987	176.8804626674
24.4675770056	7.7408297035
202.475616502	168.3076676037
2.2568314963	1.427991687
17.2185556226	3.6316334547
0	0
0	0
1797.1419214267	557.3838144244
0	0
77.5688901467	36.8643929906
65.487024282	38.1864673545
77.8283969708	11.9382502273
0.9030312623	1.2772149865
1.1206420356	4.2544625425
9.4389469319	7.2996202134
0.0681415584	0.3018120996
1353.0237549083	520.3834598828
8.7435907114	6.5087477318
35.2932259413	31.6362921006
24.799608813	8.4494037491

gene_expression_table

1.4803168295	1.1167849881
1.8549640137	3.3907273727
4.9329190924	3.121264245
0.0297528234	0.1223680632
10.7321332512	4.9443585209
39.7921055023	19.4497720602
7.1122812812	3.9377081282
65.0379227233	104.4633127875
1.9659573725	6.0123934002
0.0551754617	0.041894187
0	1.166568012
7.8459651415	7.5031199274
8.4496696707	10.915688014
89.2004993301	56.8620876749
0	0
0	0
0	0.2655263306
12.4942454315	12.6153697288
3.1198118375	3.525063296
2.6609821216	3.1198242832
64.0811164484	60.4560113259
2.8524421089	3.4708835286
1.9307413382	2.0361013403
2.2783071253	3.5384241658
0	0
54.4899497294	32.4176279572
6.3588914212	2.9553410303
0.6589728071	0.6045915052
2.7868316338	1.2374350477
2.3347666476	2.5325220293
32.9502210475	35.7411138964
1.4037786888	1.2435212916
0	0
2.5527421037	2.1610927946
0.2860274344	0.3102540373
2.9761489978	3.766267916
0	0.360253222
1.2631467946	1.5984916242
3.0116987398	2.7949207245
3.9834871004	8.9298384263
1.993129597	2.4252624329
22.866814012	9.6458598026
19.2360916298	11.6703012065
0.4578558878	0.7081667304
0	0.0192532044
5.1788654796	8.8066279315
6.4861875489	3.7883835397
5.2584628566	10.8573401525
22.2261093908	10.2624731201

gene_expression_table

0	0
3.2585458453	1.2370909533
0.0629616867	0.045529706
6.8002080593	4.394324507
0	0
15.4619368517	10.9481063572
1.2104847586	1.6850335463
7.8661227595	7.3275810968
0	0
18.3400241366	10.4993098875
2.6982761107	3.5975506215
0.9005953697	1.4246109017
2.0926005258	2.342595792
2.9923569979	4.2601262346
4.3857153402	3.4817090657
0.6627694683	0.1797265565
9.5995363938	54.261318658
6.5386045589	6.4198685214
1.7005396062	1.5064035552
0	0
0	0.0384135654
0.2440823373	0.2123565185
0.4877619563	0.4115031893
13.3024053122	12.9761902297
0	0.008258
0	0
0.7349014025	0.8742053711
3.3005000135	3.7179214922
391.1521996587	594.3936467542
0	3.6256220109
416.8696766906	609.3754416506
3.0823826147	5.36346913
3.0608445109	2.393704255
0.0559388028	0.0353948204
3.9630730489	11.0629503811
9.92846365	1.2564308483
0.0289834239	0.0137542685
1.7435528389	1.0204774001
0.1662890127	0.3156540417
0	0.1948304121
2.8150469808	2.9887898194
3.3802422208	0.5545090555
3.5633621294	4.7826720845
0.7617140019	1.1808223599
27.6624965027	32.4684705227
1.8459838346	3.7376997964
2.6204133339	3.8490333227
18.6756008007	10.8920381058
0	0

gene_expression_table

0	0.0385924659
0.7847170553	1.0706283747
14.2459828522	16.259756084
47.6806945229	30.1695698238
1.193571283	0.6573232659
0.6504861499	0.8917778908
10.0059065705	9.9913549574
11.5570415404	7.3126235932
2.8311082333	2.9994875154
0.1170066528	0.1110525051
1.4017032946	1.6788058636
32.9702270846	18.8826717932
2.8380088303	2.18304054
0.2405882211	0.3760982174
20.5523370904	17.1818779947
0.1963428348	0.0496937297
0	0.0768588345
0.0262755423	0.005542
1.2535388997	1.3549927626
1.6509163447	1.3171091722
2.0497953225	1.6212390499
0	0
1.4545299705	3.6813678109
3.1952614296	3.4659009577
6.7288672828	10.3287090376
9.1672110688	9.2947416815
2.3605693593	1.0219580335
21.103173689	7.2359077544
0	0
12.7945067097	15.607019165
0	0
242.2153571358	137.7020988477
4.5021569326	2.1365272564
0.7214590883	0.1521657808
7.0701835394	8.2761615885
0	3.650842468
85.0722777019	70.3247075892
0.171817035	0
2.5109447753	2.0068797319
0.3175625797	0.6028053818
3.1943109648	2.0211741598
0	0
2.0643656613	1.5437033214
18.5700664122	8.8750436364
93.8302771002	57.5388652587
0	0
0.0245922118	0.0855828658
0	0.2336899821
0.259582987	0.3732932131

gene_expression_table

1.1349940727	1.7953955615
0	0
1.4438096587	1.2082551383
1.1195971024	0.7477723573
0	1.4038555662
0	0
9.6765058284	5.1985443301
1.1627621239	2.1612016817
0.6735819406	0
0	0.0698316235
0	0
0.2228437027	0.7050126592
0.4495499359	0.853347145
3.3843575996	2.4840525534
2.7415051546	3.7362015032
4.5215042286	2.4437237277
0.4271204213	0.2702569563
0	0.005984
63.1682193862	46.6307037241
297.9201646955	90.8698239468
2.4466657158	2.0974362903
11.5261261766	12.7628587615
4.4924667556	1.9679342041
63.183592523	26.6526012316
0.1552799394	0.2456302819
0	0
0.8336990314	1.5166092169
5.1900999524	4.0137696287
103.26131009	109.1329811989
0.0315872223	0.0999327839
0	0
0	0.0131073388
111.2131896857	100.8275634131
0.8618881021	0
7.0937129544	6.1043449091
0.2090361912	0.6503075471
0	0
0.5955882422	2.6379751526
8.9820180285	3.9435132508
1.6918956121	2.4469328521
0	0.0315145374
0.2457886427	0.0777603776
197.9424989914	69.2922187595
1.3569227239	1.5331817233
3.2779996839	1.4719614608
1.1696729226	0.5756340983
1.7606612222	1.2811506007
25.9462753612	19.1077532119
0.361457268	0

gene_expression_table

8.0869487732	10.8024515866
259.4560985329	59.3169306765
2.8432579376	3.8748731012
232.6483022862	249.0674533406
14.6346075671	9.4933719193
2.7810693577	4.1962050927
0	0.0827659232
4.7339506102	3.3512539378
0.4860785931	1.2302490307
0	0.1196777775
0	0.0655329608
0	0.1892427536
7.0564628636	10.7158061116
39.8391937604	32.905000416
114.5201324176	154.1248388258
0.5909548374	0.7478436884
62.0314726789	31.2722839693
0	0
0.4499330514	0.1423457308
0	0
0	0.0869905527
1.799414247	0.7790179255
49.3984933705	63.1140724184
2.8009703514	2.3039784313
0	0.0373378382
0	0.2994387713
15.2012885297	10.8208024827
118.5456805717	102.4265928545
0	0
1.3860930126	2.3387707384
26.1438378407	28.5551602868
533.3368452315	577.1934319751
7.4775743571	4.3809019161
1.0029180413	1.7828906431
2.3706285929	1.8199949888
0.6262720264	0.7925370139
6.4047317963	16.0794396727
1.728757752	6.1985249298
3.3142590979	4.3106446306
1.9188794172	2.2171531028
299.9928306581	109.0908115675
242.3787799906	218.3648103369
0.3456323335	0.4009427301
14.1118396998	9.7317715886
0	0
7.0530291769	4.9877755849
1.0553808306	2.2765349872
1.5767693568	0.8314066046
12.1369549039	8.9362141499

gene_expression_table

16.3458654963	21.8346159494
606.9352411225	560.1505027127
4.5726505747	1.928871523
13.7075045164	5.5193800252
5.4755178813	11.149677954
55.7223089108	80.3878651989
0	0
2.3298174273	4.1981881507
12.6320046877	9.6421052105
2.1818786124	1.611828164
0.5357145574	0.2824741737
2.2169330808	1.4027462906
0	0
1.048568562	0.2369547103
100.1457716193	112.9575288518
148.3308579611	63.2085624947
121.6523782239	59.6552748599
0.3843748526	0.9346214661
0	0.0101826933
2.0938059818	2.7936814481
2.8411629782	3.3797185955
366.2651325572	631.6324865973
1.5982125113	1.7222952154
394.2438898727	106.8381253471
1.8553270446	0.8650106508
37.0243785874	29.5382311696
0	0
3.1113993154	10.6872963808
0.9869021264	7.4934510687
16.8503831234	17.391820649
0	0.6677483578
14.6477986967	9.2110633533
0	0
172.4000721024	158.3666737438
0	0.3391960134
0.5206427718	0.6588649185
0	0.0051
6.6412809068	4.7444376709
0.0867111108	0.10973149
0.2154019468	0.4543127388
10.0621390358	7.151676335
5.2897825766	4.0326104801
0.9175391819	0
1.3419395333	1.8525845971
0	0
5.2295464034	3.3960304561
1.4452797448	1.8289778961
15.6113338406	32.8423609744
0.2427654767	0.0384019679

gene_expression_table

0.4724924685	0.0996552495
0	0
0.5781209092	0.1219337603
2.240928594	0.7089646278
0.5487413419	0.4166539199
2.0336681573	1.2063627262
11.8902068745	14.335186544
3.3741601902	1.0674861438
3.2905118083	3.5692190699
0	5.8913107047
0.9606000728	0
1.8710156391	0.7103219137
8.0898151563	9.9176060871
0	0
2.8723683006	1.3433455951
0	0
1.8250999587	2.8549644591
4.054505003	4.3146287093
25.4555722794	22.8179742356
1.0952883326	2.7356634552
0.4805024318	0.3840429312
9.7443502656	5.4183055169
0.7574577821	0.9905021252
4.4629342524	3.3886622138
44.2457961258	24.5819993552
1.7535005713	0.8237294653
0	0
0.1404271217	0.0444270568
13.1305865015	6.3817156429
3.0292546833	5.8629576246
0.1658418859	0.0582972767
11.0119813731	4.9957389926
0	0
4.8281523195	3.0549739256
0	0.0742218576
0	0
0	0
0	0
17.0080697612	15.4507510589
7.6393760831	8.2682613503
1.9692572871	1.2460314561
0	0
0.101105047	0.0639733923
6.1735730141	7.5955403138
9.0270150671	10.4536168237
0.9001472905	1.1865850881
0	1.1424100332
0	0
49.0442745931	25.5860989957

gene_expression_table

7.3860133417	3.4128407497
1.6366433021	1.4498017452
4.0801725865	1.7211305746
0.0328995389	0.0624507432
7.5403992325	9.0429481087
34.9762059704	22.1309085104
313.9789952255	168.5127332968
6.227127067	2.4516574538
0.9885988515	0.4691458835
618.1461468503	557.3024327395
22.6247971446	17.0240227671
13.1988501107	7.6555091705
28.1038005042	47.5487252976
4.4440818532	2.3793477879
0	1.7088733095
0	0.1374400601
3.976995546	5.4704596363
4.9397354658	2.7348800934
0	0
17.9308379084	10.3590180156
0	0
3.4758229522	0.9163744039
0.5604734308	1.2412224415
0	0.3803811554
14.4495103348	6.7953314493
40.5855560241	26.824345306
0.007937	0.0150665418
11.4863164381	6.6910575561
2.7860393409	2.964782462
0.1194716171	0.6047575154
15.1782420217	14.9738359988
13.94489365	16.0130502825
0.8688661684	0.6597215615
0.505987187	0.9604777733
0	0
44.1680270631	82.2097291602
16.7580104198	4.8283768007
5.2405992216	2.9843516993
66.2545925913	20.9610260225
323.6966689181	505.1260313136
0.3002458456	1.5198248419
2.048506497	2.2388490159
386.1542515433	476.6760725105
26.0401902115	9.5391522727
0	0
4.0530482263	2.6357701764
86.6857867309	91.5506408926
51.2350303482	16.4936466033
5.1646076139	3.2678632637

gene_expression_table

0.5266420846	0.6664569509
22.2465873104	19.1594713892
78.5816412936	25.1402821573
0.4859782791	0.6342162437
10.5339635207	17.4963582587
1.7394601262	3.6687639347
1.6068644521	2.0796757182
6545.4249728711	1874.1888463201
31.9292228653	44.4008442745
0	1.3073880437
0.7923483289	1.4112128406
166.5663269956	80.5089100637
3.2408212693	3.8448809529
17.4677976907	5.8646482122
252.6281277312	99.3200206504
21.7882738886	11.3534665624
0	0
1.3496444306	2.8465882816
4.4048419015	11.1485108714
0.7045203406	0.2228897442
33.1403346537	21.9678128864
20.3380710596	26.1526174417
3.6212428052	4.5826235861
2.5725272719	2.645086615
4.9920418201	4.6548875105
1.1361240255	1.8271360321
14.7550255668	8.2044707191
8.6555949518	7.2062591767
3.2570930241	3.1706138381
7.8990943181	4.9449162379
0.8826876294	1.1170267687
21.8466830174	16.369709392
0	0.3616299717
1.118327974	1.4152257736
6.8102339286	9.5840769449
5.8041891723	0
4.4757059806	4.045666264
4.9772578489	5.1871140274
450.5245228919	404.0177621777
13.1888431324	5.432209032
21.9395260639	16.6584669987
0	0
0.1879568268	0.0792854308
2.3644081842	1.1669267666
1.6087867576	2.3540016842
17.729333098	15.88179124
0.2264561929	0.2149324582
7.1412447649	22.592821342
0	0

gene_expression_table

97.8153046783	129.6781298713
1.6562070221	1.152746605
5.1515756387	1.0865391293
0	0.0187999008
0	0
10.1993903934	13.2398206592
3.0193324033	4.9728095466
0	0
4.6499879403	9.2680618925
73.576490237	62.6196498801
12.6539641116	2.5735796956
32.7946743132	35.3606518803
0	0
20.5961072607	60.8622994574
5.391593082	11.371621546
4.9164309968	6.5534851053
3.1128033398	0.8355882505
0	0.144266058
14.4686245449	14.059316775
0.335797671	0.59315444
0.511663324	0.6295154193
0	0
3.4641412728	2.3430730879
2.1985788466	1.7885993129
1.4952995345	1.689533145
2.1598397863	5.4664839004
0.8095307904	1.0976228408
0	0
0	0
0.6014726907	0.5308046655
2.3749275659	2.2540740149
10.018576124	8.4192130422
0	0.0217232393
0.1944650791	0.1230461897
0	0
4.6734027474	6.8318222655
5.7272513843	7.124201949
0	0
4.7090122124	2.048467435
9.4997624039	7.513621289
8.0738135386	7.1626286323
35.2308477809	32.5412407064
9.4762970626	12.7992595699
29.1860771515	24.6230024211
196.5092523792	214.7047585241
0.3241131712	0.1577538157
14.5395344275	23.1360592596
26.2510031669	36.3448892062
4.670012064	3.3981487669

gene_expression_table

0.6441241701	0.4702665058
11.0420679709	7.428979432
5.4591872586	5.18138419
0	0
2.5424162881	3.0833284997
1.5094262561	0.8720269438
13.6298141635	10.5645880771
0.0232935708	0.0147388166
0	0.0579997217
0.855891373	0.2707791361
0.5789619988	1.538600589
0	0
1.0117620578	3.4569945407
3.6824160912	1.4978691578
2.3848230974	1.8862216583
6.1746008009	10.2014236318
5.0074620021	4.1189598606
214.4373260395	100.1807972282
0	0
76.1488517159	61.5365326049
0.4462563244	0.7957560291
0	1.810772792
2.1746914048	1.7200227691
10.1481000919	11.8102879061
3.7209966989	3.1392403388
2.4321415479	1.5938790356
1.4631691629	1.3774221512
0	0
2.2161236751	2.6291890233
8.7178803129	6.4355287821
30.7423235395	15.6912428938
0	0.1300570014
0	0
0	0
1.0371869686	1.8813118591
47.3786672545	44.4417588324
0	0
0.8622420932	0.9396042106
17.9450207137	11.6068888855
4.6213600664	5.0206722902
9.4893693606	46.3970252756
3.7065639852	5.6287153739
0.3604771092	0.2280889451
10.4679287496	9.2728949248
0	0
0	0.1373338915
0.3522171596	0.4298063069
108.256768275	87.6781894105
3.070008179	8.7413516455

gene_expression_table

1.2799823582	2.9696273839
12.5544800029	10.6343678105
105.5794775856	28.3690561892
0	0.7318991824
14.1048749994	11.8996591922
63.3879952822	47.6285302772
5.1213433873	3.0931932607
0	0.9896936313
0	0.3327606968
0	0
76.9419520418	118.2335219781
66.129137693	66.8462190771
3.6658454948	4.9959189116
118.6264524611	60.1918195533
0	0.5161347626
4.6776098891	11.8388777321
2574.0288170222	2690.4973159252
414.669022068	204.4111064423
0	3.1491700731
18.4301176759	16.3261088939
0	0.4872439038
5.1588606469	5.4403781956
72.1138238966	140.8693897695
0	0.3263924254
70.6240336149	17.6395184789
3.1266876421	3.95677211
26.180307396	48.7758280538
21.249853567	12.0245839961
3.5886568758	3.4060399687
0	0
0	0
13.0742078212	14.1924390443
21.7950523622	18.6579264351
0	0
145.4626867481	159.8478131584
30.66380069	22.4457625341
9.5160407469	5.5194306014
0	9.3403444316
1.1972615666	8.7119109342
3686.5975572097	6822.4451389509
25.9141969034	31.6227786285
14.4112406011	5.471156835
57.7804861944	59.1609383982
523.7407723402	339.7471314698
6.3613607505	3.5420871476
24.7520385074	22.870981095
4.2193299934	2.3982469224
0	0
0	0

gene_expression_table

0	0
9.8076736715	9.0869550055
0	0
5.3497531749	4.9646851532
0.3289936382	0
0	1.5055751782
972.7786974274	1047.6676144234
6.9247141171	1.4605187568
13.6862408449	10.9492445508
0	0.2041798513
3.0951859261	8.1898968795
0	7.0437058439
30.2148829418	31.863700454
0	2.0815695746
5.2827360056	12.325867141
78.381643981	55.2311793389
0	0
0.8412857091	1.3646663405
16.7260263933	51.4043888075
0	0.8614656089
1.4529800521	4.7500331487
344.6110923207	57.9194920927
84.8294328496	39.8076955159
9.4039569484	7.9567656383
4.3455191376	7.1489384817
4.6442234925	6.4281753886
0.9110481162	0
0	0
1.6220051085	0.5131552389
6.7461768875	2.0705838756
4.0996847215	4.2323843254
72.8217294233	72.6067399679
2.8108435867	2.3713844133
51.9767560924	64.5380199009
12.6438984583	9.3337106642
2.5788324858	0
1.5582992509	2.1692024573
0	0.1599374047
1.4526158454	2.7573924172
0	1.4798597165
5.0238586663	3.8480277315
0	0
59.2094010393	14.1531666502
0	0
0	0.3916360499
0.2391558583	0.151323915
6.3660777225	5.1789647016
82.1647119461	102.7690524304
0.6617381473	0.9420961616

gene_expression_table

11.7510575278	11.794059955
51.7493634868	81.314234042
95.2325996548	68.4746013784
228.9430173519	330.6120646049
0	0.2265694972
168.0079020276	242.4286861607
0	0
0	0
0	0.2947008161
0.3622775581	1.0442616381
0	0
99.8586748753	219.1583301449
0	0
0.3853899104	0.1828892374
1.2549208972	2.4703495998
0	0.0386443231
0.5210487182	1.6484465928
2621.6056786956	5523.7130173003
0.0284074516	0.0718983314
26.8969092125	58.9112290694
0	0.3024722938
16.6588148048	8.7839407798
6.0566419773	12.3299788308
0	0.0542448301
1.5146928372	2.9988942889
7.4289878414	12.6114499599
18.0072807557	17.1217341061
2.5618845636	1.7946913285
21.5181104144	13.8585408188
3.0589248677	4.0029859978
0.2158205924	0.8724584648
15.3069619525	82.3255182696
3.5625531089	3.6203438626
2036.5280031889	2452.8812462497
10.4593256658	12.7066614602
0.8180729499	0.9382025153
19.1230168131	17.6740588827
838.2866011497	210.7322704798
34.5333042933	25.4924437757
43.6543889019	71.8170903948
4.7709811763	4.9096956494
1.1242845397	0.1835824142
0	0.0541389609
0	0
0.7264090313	1.0960392873
1.6417788288	2.1815264892
70.3289007552	54.9149395745
9.8999665524	5.5271672963
0.0202341151	0

gene_expression_table

20.413856193	28.6935279588
14.2108707071	14.0655622059
0	0.6679518674
5.3214551836	9.9142603295
3.3109059821	0
0	0
0	0
51.3192103288	48.1137199083
88.8035503635	140.603374892
1791.1547399592	2074.8079618233
1.1199683122	1.5139357945
27.4762341979	61.8328464393
1.4510472931	1.989299687
10.589875252	10.5296039006
0	0.0810692955
0.9336103322	0.8861014627
9.6026431605	4.5569954919
0	0.2231695327
0	0
1.1282870188	1.1601108855
8.5594776337	6.28947816
669.0996253325	523.7650481067
0	0.3290375394
3.578001536	1.9285510506
2.5047708934	2.5754191359
8.4817576354	3.715451192
0	0
0	0.1727974036
1.1462202244	1.1208586515
16.1625207498	8.8927851548
0.3343904082	0.3929394824
26.1418092852	30.5522299231
1.7254319532	0.8669802986
0.0136435623	0.0172657051
13.0765277363	7.0920566287
0	0
0	0
37.5027997199	36.3853714232
0	0
1.2703953511	1.0717763694
0.9330176506	1.9273494598
22.4999572464	16.0162470937
0	0
0	0
0.9810909228	0.1241554528
4.4016673024	3.8485280951
0.8098072863	0.7543651103
2.4226409132	0.707495188
5.4311299737	12.1599340777

gene_expression_table

7.1183681407	1.8016357086
72.7915858279	88.6366031772
0.0641966307	0.4874387214
4.7938575968	3.171150321
2.5448294684	3.175711766
1.3895087971	1.5630228206
6.2692306983	4.1193738972
5.0510188179	3.7806233596
7.5439773838	2.9106036841
21.8186484769	17.6340073284
13.8369189328	10.5215968546
15.547837688	12.3918029705
0.1791537557	0.1133580749
58.3895895594	70.8221130625
6.8849997304	3.0953562514
2.8482450104	3.3608664623
10.7724356042	17.8976749463
0	0
11.502533436	0
4.9164371826	5.4835065582
0.9867822553	0.3121892041
7.2053403293	10.7139325005
0.1828510166	0.3239529624
3.4927457727	2.9466751277
0.2850920781	1.2627277791
15.3701614363	8.5246842885
1.9537287532	4.7148318168
0.4565151885	0.6888110696
11.2763238423	4.0629871155
0	0.1400072032
37.2377196898	23.5618628357
1.1135390484	0.9394436444
0	0.4746781971
6.8842157555	5.7126967385
0.6323591721	0.5525468029
22.8230551609	10.7276755102
0	2.3309113413
0.6880522561	1.0883986061
22.8047209011	13.1177279957
1.539762343	1.94854408
0.2947764172	0
5.8488103782	3.7007869717
0.1608783617	1.7915826496
0.4235328173	0.0893289764
11.0267413394	10.2604124626
4.0481083618	8.9649262001
120.5906941411	174.4119995126
1.2679920961	1.0697488494
3.3672675846	2.3303558334

gene_expression_table

16.7696805555	19.8953968754
7.2017026818	9.1136370425
0	0
6.1949942229	6.2032292348
0	0.1224031179
0.2170285518	0.3089768459
24.3401481419	14.2163352321
24.2057676659	17.0664018795
14.0042171919	18.366548268
7.1229914261	4.5070146174
1.1925265686	1.6977632428
1.3248318236	1.7410358288
0	0
5.4565042509	10.6453886328
7.9173377759	7.5144461686
68.1926313852	25.8889981528
0	0
7.1969079557	4.9070955792
126.984703972	78.4006905065
2.7195167041	0
249.306332183	166.9014777968
0	18.6472907305
0	0
46.5874501747	24.173859273
0	0
10.1874230092	7.8272962298
5.4391105993	6.938614485
0.9745481512	0.9455106477
7.5669446187	2.0078384141
403.6413735624	214.6789843614
0	0
4.7905927165	6.0624167875
161.8262080279	104.8592565373
4.3626146928	2.990442863
25.1790691181	31.6147652942
400.9742093195	192.4133317687
28.5423682583	37.7617142089
43.4891757852	14.2331485834
21.3141061669	7.2708890713
17.2205542941	13.1661993838
35.4145098368	16.3593911798
1279.2004861066	1398.2151176239
3.1985208882	5.6667462724
0.9688979818	0.7492983427
0	0
40.9137203234	8.5277531944
22.2862974452	13.3641406899
0	0
50.7831143907	42.3132265892

gene_expression_table

2.1626298264	0.4210419539
0	0
5.0343663001	3.0917643092
69.6071763197	28.7975893864
28.7034650277	15.0066405634
266.1498817169	193.9949913934
0.3801169271	0.2405158794
0	0
15.7853595372	23.2154844256
0	0
1.4199375502	1.4974231358
0	0
0	0.2751314878
15.9224823173	7.1643168508
0	0
23.6889468299	8.1368789427
6.1238968382	17.0493209978
0	0
104.4178805687	30.2310904825
96.4942649352	52.0409840024
0	0
0	0.2607860535
0.1268330318	0.2407576932
0	0.154017296
8.7205202031	5.267027083
1.669266687	0.3168644566
78.1698764156	37.7620615181
5.4959894509	14.2965632538
26.9116164877	6.6380749931
16.1974579922	10.2488091827
12.9193147593	8.719563563
9.4942907909	4.5770932669
14.4851888044	10.5754440535
0.6297332384	0.7969171212
0	0.1170705707
2.066111571	0.6536576064
243.0712460347	168.3956327812
806.2192583702	218.1415347869
22.338786928	36.5706926295
13.0512558375	11.8518675861
2.6441926932	3.1370462229
0.7566511376	0.3191765494
0	0.2204277069
1735.7895355866	1866.4261643096
27.0789690386	14.2783303134
0	0.7418947706
3.0860052887	2.4408057853
5.8367650361	6.4544105238
761.7272159894	1428.2602542581

gene_expression_table

5.5880143451	6.3643867432
144.5537412176	26.715082729
9.7273761885	9.4134036841
2.5972527179	4.9301712992
22.4617059175	11.369968694
92.0120742766	130.3696880706
20.1100992779	5.4533575641
97.873139918	42.3720833329
0	1.7474675442
22.4780417036	14.2227972027
206.3521746972	151.6888901462
200.5435972606	204.5205666451
0	0
0.708639398	2.2419289412
38.1080545785	39.7459782271
5.2662962151	12.2180882823
1.9185169052	2.4278517882
105.0740987499	114.0818338498
2.6976452793	3.1699812967
122.4250485645	66.0344155838
203.6246130801	62.1201583704
17.5727938807	4.6817017799
0.9799399918	3.2552573655
43.0376879334	14.4943160712
19.5568262571	7.9719834041
0	0
59.9526245197	21.5205525145
0	0.8099542826
10.8417255832	17.4767004651
11.406797319	16.0777321802
14.8355075244	11.1750549449
5.6018821255	3.8172024559
2.1435720072	1.5190869913
0	0
1.347237284	0.4262266911
1439.2561292177	1302.4102497791
22.624699837	13.0707596826
1.2135005471	1.0935796991
0	0.0940050768
33.9905024465	20.8985179626
109.4413274449	25.4288125525
10.0675268217	33.4432629664
37.8221904165	47.8633638238
1.5449791223	19.5514582891
0	7.5200647461
119.9532428943	89.3654628618
511.9846283291	269.9617414634
10.6874124665	8.2893603328
9.1411005113	3.9436068065

gene_expression_table

0.9676677315	1.4286623155
0	0.8980069408
0	0
9.3691908849	0.6974445847
1978.9989635507	751.3172533609
86.0374722597	48.1580258602
8.2034281793	3.38520792
7.0980572631	5.3894852754
28.6641694323	17.0825411242
0	0
196.488283521	62.5694731509
6.8644769223	5.3086509394
36.5437896866	36.6948533406
51.5369930119	27.6819366017
5.1695835161	2.7545361896
0.3652050968	0.9243221625
0	0
0	0
26.7993498573	29.0692622128
13.1470505977	15.1518975137
223.6350391153	80.7166389017
0	0
23.5127991886	19.9494172996
39.9185505022	19.6452173751
0	0
7.8514689045	9.9359055779
2.821296882	13.3886441034
32.3878969158	20.4931771071
3844.7590709429	3871.5104583738
53.0597550944	29.757998439
22.6914408337	29.7058422587
17.4651580852	14.7345814096
0.2111948296	0.4008954078
5.8449588382	3.0819582844
2.4080488775	0
9.9664693152	13.4261075169
4.4106039732	8.3723208649
0	2.7576516315
46.7806106089	6.5294225917
2.9428524011	11.1723948509
9.9649851474	10.0311001008
0.623445433	1.7751600139
134.0037101564	128.5522054856
83.5332630879	52.8549896045
0.3719962369	4.0014188435
10.4929324715	7.1135542238
2.939862344	1.5219604426
6.7483203805	4.5749406161
67.8991715107	38.3744021785

gene_expression_table

0.8121746772	2.0555875605
263.0811831359	244.304630456
54.4825555186	22.7874962651
0	0.3839848057
0	0.1857908622
1698.4543575108	1201.24703595
31.9043172568	27.1265446648
0	3.0114484376
0	1.9909744112
92.7219220275	74.1511458326
50.1742002314	19.0483891107
2.2100327024	2.7967602651
21.9687657699	55.602228069
93.214627918	47.1846352695
0	0
2.6805990757	2.1201589499
52.3021594374	20.6836024893
173.1167383743	198.301916575
0	0
50.4903503845	46.5518624895
0.070890352	0
1.1698450924	1.8505248064
76.5185929524	66.3000917889
0	2.6014427873
35.0300780691	23.8699953053
0	0
16.7292597253	34.0241862329
30.1961095003	3.5195892294
31.9868640026	33.7323780141
0	1.5714219489
0	0.2228643436
148.5771245731	149.7976858046
8.982234447	5.6834354456
7.2975731574	6.3325437
0.807471236	3.5764457827
2.4903156347	5.6726167233
0	0
5.3117784668	9.1663211407
13.4248770004	8.7873943625
1.2407590262	1.9627003366
30.5241975165	12.8759576946
28.2105682736	16.3372941259
0.1318965021	0.3338257356
0.3754646016	0.9106932741
3.9612056831	1.253210263
0.1687433179	0.071180637
246.2370310557	50.7807158903
0.1402137066	0.5323144623
0.9515796596	0

gene_expression_table

3.0713014144	2.5066280813
107.1965243482	126.1323592917
23.8937801193	13.9328220285
0	0
43.6543889019	63.5305030415
2.4701144729	3.1258894951
4.7836723948	13.9234162369
378.3552254547	221.5510893113
41.7076483831	25.1627237502
0	0.3938841119
151.3100719432	69.270858946
0	0
1.0703829383	9.4818648018
0	0
15.0461536759	32.5277968479
26.0111002387	19.362718964
0.4534522791	0.5738364482
190.4961327944	97.8254028231
4378.9561955689	7920.991462695
120.5873854137	85.2367987014
39.8070195764	17.9911188166
0	0
22.3037531874	20.1178441931
5.6639548564	16.2215062617
56.3721407341	79.7688800166
149.8485377657	43.1701574085
5.4118116544	4.9081340937
4.7113201803	4.6371878688
15.0668414907	12.833451118
0.7397533836	0.5720891103
5.9966448735	2.9089848311
13.8370276119	33.8536957741
2.6162876278	6.4474821918
14.456982419	15.8992913456
20.6737841756	16.5071881851
1.1773891943	1.9156715777
4.5921374949	1.3122233754
3.9247374403	1.2416727717
0.4623381801	1.1701628215
13.6407535253	10.301606032
0	0
177.862806405	92.2469158191
3.204377513	2.7492117775
0.1623325578	0.1027145994
0	0.0149500206
34.8288607098	33.1959944695
6.1344308321	6.4691849665
0	0
0	1.424974217

gene_expression_table	
0	1.5638821394
0	1.9207411511
2.0635675541	1.4192451162
4.9690204731	0.7860267747
6.1949633116	3.3670183536
0.40138057	1.1428662406
89.2336957395	64.8028530682
15.1228415132	12.5591213831
0	0
0	0
30.7314104537	27.1207260063
0	0.7669155354
0.3041630134	0.4948885572
0	0
8.539325271	8.5986222152
0	0.4013925372
15.3825357832	26.9328919246
0.4858430004	1.4217859961
4.4140684579	4.65494291
4.8911133151	3.5533026449
0.5848118702	1.1101047959
2.6347692738	3.1490209293
0.3751797444	0.4747838348
0	0
3.1803962232	4.0704751171
2.7387241325	3.3129072192
126.5320228351	68.876956652
2.9067572249	4.2915293883
1.2382115216	0
51.4239515364	34.9305913682
2.760505289	1.3100153726
0.2727694129	0.2712169696
1.106295229	1.6799982378
0.6348890788	1.6642722025
13.4285763921	80.1128929252
1.9043319373	4.8198018863
7.1187656067	3.753617304
5.6332643701	2.0368011408
0	0
1.9160561639	3.9715532282
1.8268417129	1.733878748
60.1854566347	29.9402177138
1.9734366719	3.3298024738
0.1115505372	0
10.5147529068	6.2692899021
288.045482247	428.9845526605
1.5254079465	1.6086490214
0.7449420572	0.6427581807
0	0.7277456937

gene_expression_table

2.8265431663	4.0538700721
1.182293389	1.0093230292
16.7443651517	10.720989507
0.691438643	1.1666724029
2.0037337822	1.2316220002
0	0
5.4627231763	2.2220315034
1.1548910985	0.683602879
0	0.330282315
1.4202094126	1.2580762603
2.6425362577	1.6977669648
0.2002611679	0.8025195774
0	0.5662488028
63.6528402048	46.4165216244
2.068021356	2.3405985765
2.2360840059	3.6591307293
0.1027170626	0.2924702189
0.0958291833	0.1212702653
127.5547932101	151.535740431
9.101655913	7.3755593574
1.754900485	0.6662393648
2.2056954393	6.2803609414
0.3052076189	0.540729355
1.2015453813	0.5913195721
8.5503902243	13.7488303056
5.0629291567	2.7289304507
0.1251421986	0.1979567587
13.7844436928	13.7643969444
1.4868575236	1.2543959304
14.7096831577	16.4669947477
54.3118241239	53.020845603
32.9296152346	47.1073537923
65.1966931418	77.3487652749
0	0
14.0947697865	8.7795433931
14.4606160532	7.3389314708
3.6749822372	4.471759576
0	0
0.1330565522	0.1178666245
0	0.4022284277
0.2549135115	0.6586189686
0	0.0427442432
43.4979300549	27.5229597873
0	0.0209011245
0	0.0294901906
0	0.0639681609
0.2997120665	0
17.2485844953	11.9370790962
0	0.005822

gene_expression_table

3.4460789039	2.1804782659
1.0265839962	1.6599933996
3.1477499767	8.6497253546
55.1030617624	130.3988850324
0.7814742691	7.4170718661
4.2495953998	3.4955657912
0	0
1.9634422071	0.9662737869
1.7494335512	2.7058528042
26.5298775472	39.8680876523
0.315461162	0
101.1846371332	136.454663969
0.3426910671	2.0960713991
0.8709554953	0.5970141368
37.1191390157	41.6357474293
116.4973202522	60.2286919005
2.8857016332	1.9171993335
0.184441405	1.1086860222
13.829417408	6.0159349622
10.5383284572	17.4109965046
2.436630747	1.7130646596
0.0674366387	0.1600124326
0.6651023745	5.1552666319
5.1945054357	20.816278819
0	0.002923
0.0201833095	0.0127708242
0	0
0	0.0295081006
0	0
2.8156424654	3.7413069985
12.1709362332	9.8126415328
23.7580853338	16.4118842897
0	0
0	0
3.7540189591	0.8907468073
0	0
32.6668633935	12.2139082391
0	0
21.2835642395	9.7000079641
0.2503068626	0.1689382633
1.9217227586	1.9759258539
6.7429666951	7.3695076739
3.5669137152	2.2569355053
6.8835873814	8.711067329
0	2.0210013787
11.702880478	10.5519853347
0.3409877303	0.0794894947
3.0084221836	2.0225267121
0.1961901601	0.4965508823

gene_expression_table

1.3595988449	2.0646601412
0	0
4.3045954617	3.5526490464
43.1620929928	25.8421572419
2.0189158436	2.0323107985
1.4756010571	2.2674952401
3.0523416679	1.1885195368
0.3027634825	0.8429129254
2.240422995	1.3750810616
0.6226839562	0.7879963697
4.4648708415	5.4897034338
21.7557445526	10.9678489359
0	0.0861797781
0.2978371663	0.5653620994
9.7829042736	5.2896814285
0.9681548834	1.2689407597
25.1744080539	13.0327371627
17.6829710991	43.9558250287
0	0
0	0.4892144128
0	0.1228580909
0.1566314828	0.1982145816
17.5990632916	16.6151169418
17.5690204019	22.2333081787
909.1294005702	344.3638742415
61.2775752614	33.1094298881
0	2.436694302
2.3843631508	0
0	0.3601122551
29.2459735663	15.9349909519
0	0
0.0389763957	0.1356409771
0.173091999	0.1095225479
0	0
7.6162015087	5.9756706908
0.4772960751	1.0570181691
0	0.0871359019
0.0313479021	0.3371971911
6.1115185342	5.5856860375
10.4230157672	14.7419391755
32.342877153	31.953640677
0	0.0111933801
5.2281884425	2.3629239382
25.7299411379	14.6920773134
0.5816659946	1.5028479863
61.9833154519	25.7864795501
4.7489689162	6.4390098733
1.1302727132	0
7.4299117997	2.2793774428

gene_expression_table

1.0484161242	1.8427131533
0	1.4073455738
0.5740051508	0.5246179878
0	0
0	0.4827416295
6.9624888998	6.7377592261
0	0.1246897867
0	0
0	0
0	0
5.1471885257	4.638531802
944.1362119997	504.456168664
3.4211070412	3.5500711391
4.3634779024	6.5258936019
0	1.1319877505
21.363337213	20.9138324098
0	0.0755903065
49.8768528412	33.5372387546
4.9427966324	0
0.2065099211	0.3920023951
0	0
0	0.3955571633
4.5331414842	4.4127818929
1564.1254929785	1966.0211421547
97.3645486779	44.3267162146
28.2861263049	39.375193598
42.1183640099	52.4017849777
8.2552729248	5.4983752453
21.3669597943	14.8717461245
337.3821504139	164.400902421
21.9571533895	28.4480001559
6.0242824624	2.7722294539
4.1109253836	3.7572230843
2.3649026851	0.7481864243
2.2450681659	1.3437621285
48.3098231997	80.587429976
0.699471349	0.8851695604
2.1144161355	0.9063054889
16.023467807	11.1732814082
0	0
0.3218233107	0.1272694187
12.2245765102	12.0741477314
3.4386847781	10.1465510447
5.4499943673	3.2513857199
0.1806124607	0
0.0751792256	0.0951380813
2740.1309196788	1340.6627455493
0.8946239411	1.9739737019
0.243163584	0

gene_expression_table

3.8245163481	0.4399875393
0.9809041018	1.861977164
0	0
23.1897564094	34.922046703
1.3731495302	2.9927026077
0.5900874869	0.5600595529
16.9960447306	20.9705114103
3.9123173851	2.4754868549
0	0
0.8987817652	1.0236542712
1.5390169223	4.8690019056
0.0707511986	1.701155224
5.4144188045	4.2824115665
24.8765265491	20.2376814284
0	0.0365092198
0	0
139.8159179253	57.3774147199
23.5169900687	29.7603665812
8.3061507561	7.5407138041
0	0
0	0
2.1774654383	2.0666601935
37.2449573418	16.7245720265
1.2766459103	0.4038936337
0	0.9294289148
41.2140362521	25.6703783244
0.1163525414	0.2208633594
31.7295954499	20.0766422341
13.5960881304	9.8932357095
0.9056422927	2.5786699199
9.4642435448	10.2263834883
3.4487794489	3.7247674889
5.4697678965	2.0947860946
5.7466029823	12.2833501094
0.2105402408	0.5328704674
1.8626340303	6.6785432827
0.6494186046	0.5727896514
0	0
0.2795586671	0.1768884621
6.7983644858	4.3016095738
0.5978665147	0.5296132121
27.2841240425	36.8224997253
0	0.0773344913
11.9100604049	8.3782514803
1.1193838449	0.2360936602
1.8006504396	1.1936014631
17.3277124139	15.3495558046
68.7633301531	86.2555470478
9.0262275033	3.8075144617

gene_expression_table

0.0553567018	0.1050795022
0.5057030694	0
0	0
5.1983514941	4.4332890119
0.9279209605	2.34853762
0	0.0385285988
1.1810205328	0.904603426
4.3569498271	2.4860648599
1.8558999618	5.8715276741
0.5009446482	0.5720897271
19.5109433875	5.5484898829
0	0
8.035349456	5.9250130109
1.1355153099	2.424897112
0.4227507501	0.735603227
0.0933661912	0.0698179117
57.792713596	45.1501218201
5.4634704001	3.7450467702
1.2133597936	2.6871022294
0	0
30.1534705781	14.0584773377
39.1136525143	19.3548651801
1.2295543359	2.6451675587
0	0
139.0762350377	158.5184828994
0.8398064218	0.6991850667
1.0527663986	0.9689153975
25.4131745013	13.6061356497
2.2283566938	1.2085495615
3.1650485079	1.6945572594
19.4769525202	20.233240001
4.1526381784	7.2257566508
0	0
12.8589572114	13.425060157
0	0.0868186995
0	0
20.75071639	2.1374168275
0	0.2164390034
78.1877844605	46.2525663091
22.8886502166	15.9308670222
4.5106986781	7.4206800933
2.3177583309	1.8331783046
2.8541897581	8.5783349168
1304.7375417947	1021.8021692742
16.9914627388	14.9896666699
1505.2816016223	1740.4212366415
6.3399604805	5.6633762617
33.433709417	15.3543675637
41.3663838301	21.5675748576

gene_expression_table

0	0
2.9421520555	22.029201601
3.4793470337	0.6773933548
0	0.7035922343
57.177735327	29.2403553742
139.3182178688	91.3291292455
8.9884150975	6.4998242305
15.3851110292	29.7036305215
2.1990257803	6.2613701666
0	0.3406435491
2.8325010548	10.7534513752
39.3428846741	35.144313567
8.94505863	8.3551092994
1111.1558182678	891.5963882927
15.3069619525	17.7564843327
7.1499554315	7.814312869
5.3478632798	8.459541972
4.8457618321	0.8760332002
320.395313839	278.9408687545
18.0315340306	15.6546288999
615.6287060449	500.3122988589
84.0290569144	40.4381655102
5.2541108955	3.6938841486
1.0101252502	0.6391484975
1.9790809594	7.7639332876
0	0
0.2163241109	0.1368773134
2.6344621542	2.0516115691
1.228281171	0.604477124
0	0.5534814949
0.9273119515	0
0	0.2982476379
15.2101108253	70.1182485561
2.4354573925	1.8834637105
3.8456273911	6.326552196
10.3242755946	5.7788393593
0	0.2192661302
1.9441614935	8.6110660843
0	0
0	0.4407063922
0	0
0	0
0.1218141978	0.2697692838
1.6143198881	2.772500947
59.1779100271	23.7147480217
0.0272818255	0.1208364652
0	10.043202019
0.2262945332	0.4295580499
0	2.7875691382

gene_expression_table

0.9477861804	1.7991118817
8.6981165129	11.6625221635
66.822808319	91.461746349
57.2901609486	102.707996672
2.0950555731	0
331.49681879	622.9944586827
0	0.5453146366
11.3186243638	14.3235341461
13.5193944725	33.6825026021
2.7427884305	4.9585056171
1.9526056917	8.9573408901
0	0
0	0
0	0
0	0
1.2016838003	4.9423114307
37.4037477393	15.3627347704
0	0
5.1114620743	5.3903930964
0.3190014623	0.4844293643
0	0.6971959413
0.6334032476	0.7681630637
16.1480184653	14.3045374165
52.3636198778	64.6490781939
0	0
0	0
0.7041477332	1.4957539308
0	0.7845761917
2602.7206183169	3922.7056904709
0	0
0.2198146053	0.4868006332
3.2440283282	4.9787254327
4.6440839257	5.5243915688
0.2183683288	0.5526831025
169.2226448163	258.5078216635
2.5461397353	18.4375620488
14.4912837985	6.3479363567
0.1984163019	0.3515296221
0	0.5082540746
17.2476524508	28.743509634
0	3.1004908686
12.6045616058	0.778091059
0.0139010459	0
2.4761141756	1.5382548102
0.116923289	0.2959290226
1.6856998823	8.5329026032
49.8446274976	27.3949993206
0	0
0	0

gene_expression_table

1.0082716582	1.5949391309
499.9987561585	572.3567192775
0	0
0	0
0	0.0461681016
48.5738510661	27.5871770594
1.8611483702	2.0453511546
0	0.0438478182
84.9621800616	48.682597587
3.3726441031	2.5733686126
1.4650616741	1.5560454536
0.4122767389	0.2857089982
0	0
0	0
22.0458102125	15.111748447
0.3773786	0.358174838
15.9746885718	21.3910391247
0	0.0569574666
287.9036848344	312.6595686431
0.0427839056	0
24.0906144098	23.6669796024
0	0
1.7385179285	1.1407749759
7.3574228945	10.4446937479
0	0
5.7631457508	5.161318013
0.6595317651	1.3910444494
0	0
3.1422638616	16.3035826007
14.4278222712	5.6114569263
0	0.0226710017
3.6757947285	24.0335671264
0	0
0.4718085249	0.4477994829
21.4401034165	27.8398943917
8.0883429761	6.9159904352
36.7752117425	13.3083578877
23.5065389504	19.1917037818
0	0
1.5865980278	1.0039069368
1.1304307763	0.7152708361
0	0
0.2523737134	0.3649997824
0	0
16.8343411687	14.9468691502
28.1170271267	10.1661823706
0.8935230899	0.5979869008
0.4968647691	1.0898753577
13.2574176694	7.1350652798

gene_expression_table

4.9809582825	4.0271219417
0.4080801093	1.5492561264
2.3755055922	2.8809066902
0	0.0427311676
14.4913977724	6.1700053594
0	0
0.2819623897	1.2488657855
0.8519984106	1.6172850959
0	0
4.32421229	6.4982612263
0.7813275144	0.8192559656
1.2286545757	1.1740645825
11.6278563688	9.3586523557
17.0794897111	12.4695087058
0	0
3.0794394562	6.4949671716
10.8961997069	9.2925617836
0.5545122498	0.2135688403
2.3048722076	0.6250238805
0.1760774064	0.2228230801
0	0.0270880403
0	0
0	0.0102935181
0.3041561492	0.1924523179
4.4134381469	4.7783922885
4.7160599403	4.9092408975
18.9250867316	38.7088944871
6.5601325015	4.1508702325
0.0940625485	0.1785519267
0	0
3.834403131	1.9154109847
4.0360820532	3.4476272152
13.1905049909	4.636769024
0.0624435251	0.0460957352
0	0.0189144832
0.7161546675	1.1328525341
1.1437202683	0.8113983995
11.7847091499	16.4690667101
7.3000089126	4.3020293492
51.3893219187	57.5696186602
0	0.3468359697
0	0
0.1967853722	0.1245143362
8.5445082615	5.4064677787
0.3902684177	0.2469391521
0	0.3201104252
3.6050926263	4.0254580576
26.9092457669	17.2329884582
8.3724023355	2.9567827872

gene_expression_table

66.080889667	79.2230076742
3.8015169243	2.4670551474
0.4509053518	0.0951022256
15.7561721771	21.1355290812
1.8143414935	0.4592039015
0	0.1407589603
0	0
12.1321983233	7.2725204345
12.9949086616	11.648431541
5.5374172471	5.6599127512
24.2637320678	25.4714888125
2.1222687578	2.2380803563
0	0
8.611676607	2.1795872002
65.2811970638	28.0827249497
0.9482223452	4.7998395223
0	0
0	0.5904693887
32.5651705716	44.2546626322
3.3944612209	4.8559354407
26.755118725	36.4626397405
1.6500397647	7.3083442416
11077.046727782	3620.5385232069
382.0770885609	271.9756749847
286.2531316641	93.6196607537
0	4.2444592846
20.6113125969	11.8189859009
0	0.8170606289
1.0011274546	0.7796371888
48.1533351557	10.156209774
0.5413786537	1.198935217
4.2236560847	1.0689935491
0.3486638541	0.1103071022
73.3595000317	100.8498021499
0.4930443583	0.2079798591
6.105577858	1.6556804984
0	0
1.4365469367	0.9089633351
8.1529224599	17.3438885729
7.3741747681	4.8164633027
9.5638908744	1.0085789662
91.8796915219	88.5883794149
4.8509951882	5.8319123719
2.3512159662	2.2859975465
9.8345157649	2.8644218264
0.7102708072	1.0432918997
6.6674311694	4.8311636085
0	0.08698088
12.0690071166	39.979667111

gene_expression_table

0	0.3226232525
1.4004505623	2.0944740799
8.3392397551	28.0789744822
2.7513515238	2.0890742319
6.3069781195	5.0253119053
1.9813011534	0.3760956342
234.2985770523	230.9380881793
1.2328403407	0.3120278604
11.6142300121	7.9761464962
0	2.5736267351
11.4111697019	10.8304865692
0.3477000673	0.2514335729
0.1663867389	0.280746265
0.2002936125	0.1267341465
0	0.4755631626
2.7223312569	1.6364062137
0	0.8745151997
1.5168816997	0.2132876666
67.3863122065	19.2391600023
0	0
0	0.4011969669
24.7853306676	3.7436159437
3.3097241488	1.3961339392
0.8114283891	1.5402740473
0	0
0	0
0	0
0	0
0	0
0.5523600633	0
31.6363181521	66.6891421462
0	0
8.1846560324	3.625141955
1.2766339258	0.8077796842
0.2796661751	0
0	0
10.9557213896	3.8511906565
1.9246097106	0.7306686402
5.1296070459	0.7212704312
80.3041572271	52.0511114356
6.8185046139	4.3143530752
299.8008812224	352.0142307659
13.194154682	19.305891347
6.5421521222	6.0712568317
6.8205466937	5.5024476103
421.9976698217	398.565773462
55.729083815	76.5807161586
0	0
6.7299526059	14.1944083859

gene_expression_table

0	0
1.0810341667	0.4788108745
276.4615850125	335.6485987138
0	1.43042883
0	2.3747839895
28.9869236507	38.9751330143
1.9049187884	2.4106435937
0	1.1014557113
21.9680150603	2.1384741557
5.3090135716	7.8382148912
2.6713316631	6.7610531214
0.4733245975	3.8933995252
5.0372794272	6.8299229873
16.3377788579	6.6796774566
1223.15258192	1130.9546853476
24.9168752509	42.918417267
12.4728689672	18.5610639079
37.8003039441	8.4415882678
0	0.3479622108
13.6473155807	15.4782378122
24.1641176889	21.4941428464
60.3102616572	43.501617917
3.3136792139	4.0623629227
0	0
0.5892718273	2.3614272445
148.0589573294	109.651804781
4.2377478075	0.8938000984
685.2057264778	500.1173845015
5.3299947993	7.3071064165
16.2489852942	12.2213018435
64.6760394612	17.3613726158
7.836357745	4.5076284784
2.4549092409	7.248844219
6.2978551621	4.8704533646
1.6162092039	3.9201321382
0	1.5511061353
102.6650302027	51.3187625358
21.7169609363	18.3788945452
0	2.6820131868
0.200768504	0.3811038907
212.9702486995	131.3863049083
541.3289859823	229.1631888732
22647.1243182309	26176.8694533054
13.0044771427	2.7428255475
38.2706567397	29.2009781718
0	0
35.5256406236	28.8006534591
574.976397883	684.060031022
6.9138874846	12.2774001686

gene_expression_table

7.2988148147	7.4293835175
65.6088621337	38.5124975405
6.9066608587	2.6600810896
10.5305987538	11.422543385
31.6688682212	32.8517716728
159.8383648269	129.560380129
3.4666936619	4.6063963796
0.9887174454	9.3840432599
5.301140778	12.3688098094
11.9723258075	7.1019293622
32.5471847268	17.4256628344
1.769063439	0.6716162608
2.9991807421	7.4010577132
602.9548176776	433.53947009
183.9408256355	123.1800730327
285.2158190753	430.6943156088
3.5691448598	3.0111296585
0.1749041217	0.8853532298
0	0
0	0
7.242957065	2.5460677195
0	0
0	0
8.7876558186	6.0335359114
13.1460520369	7.1297631428
15.4247322982	16.1037909687
0	0
1.9207026831	0.8102059515
96.8194598833	175.033491586
1.0548569059	0
0	1.010533324
0.8021711942	1.544769946
2.2928269542	0
0.5094331192	3.2233964321
44.0466457297	25.5082775917
24.1202551814	15.2618943609
9.4373457534	44.7855255427
4.5841964487	10.3593315784
41.4911196821	33.4954198674
0	0
21.1590368115	5.419036424
0	0
3.4992705737	8.3030057262
6.9164964046	4.7742071782
14.1083241863	26.7807805169
4.3585723865	1.4849967248
4.4642234968	0
470.0581798755	228.661365745
22.1057345947	32.3914636085

gene_expression_table

2.5438113039	0.8047879076
48.6861441028	6.3736054819
9.3262846537	49.9629040739
43.3366182905	7.7789761948
0.2897605338	0.3666872199
26.9773079844	21.6987345443
7.4494334582	11.4117965631
0.2040961953	0.5488458491
2.5655742395	1.7542611456
2.2922023003	2.2199575625
0.3396944005	0.3492756411
2.4928598475	1.7087814222
0.1018389524	0.0902128709
1.8895672128	1.8477581471
15.3369736775	13.3016449786
2.34613999	1.5626325333
5.5384985876	3.4595110076
12.2272142948	17.258725222
0	0.1609125525
0	0
2.196709283	1.3899498478
3.2833832462	4.7160019939
0	0
0	0
113.413931953	39.1890345825
22.7581947417	23.3705920175
8.4088661933	8.548895682
0.3008083636	1.4275052547
0.1370166084	0.4388992051
17.1510645871	14.383466078
11.8631862176	7.9754800195
2.942307659	2.1720079819
46.8264306393	27.9000256578
5.3228235023	4.0696341313
8.7797055922	5.0344788145
14.0502787684	5.3341194451
0.8825458524	1.8148769475
29.6451687221	22.5766789781
106.1781646801	225.4966444248
15.4729949149	10.669037727
0.7342409346	0.4288476474
180.6594311538	108.2561824234
0	0
1.7412976272	1.1017918441
0.046058472	0
4.0841434333	3.8064691043
0	0.6894838008
0.6663764219	1.0378935027
0	0.0276676799

gene_expression_table

2.5011890954	3.165213922
2.2139904973	3.2687302549
6.8824377537	1.9596628111
11.0457564957	9.420107693
4.0432771847	6.8671516049
0	0
0	0
134.3066044216	45.6775059537
30.0269067749	16.4168534963
6.6229944305	3.9112692307
11.7184103668	3.0894701665
124.8732853212	185.0531153528
6.2486342871	12.849759919
3.4174213577	3.3469346775
0.6896797283	0.5673059758
0	0.384853806
0	0
0	0
4.0473332118	3.9380139018
0	0
0	0
0	0
0	0
96.0011181147	97.1902767813
0.2559759766	0.2591467319
0.5658189357	0.1309819419
0	0
0.007132	0.009025
0	0
10.534187915	8.2651224371
0.7958621692	2.3080533849
1.5026472524	0.8828743575
148.5515069888	117.2992361153
2.2046603389	1.9823411559
4.5831039618	3.6249019747
5.095801054	1.5799199728
0	0
71.4937714329	219.9218998063
0	0
0	0.10985477
0.8842856284	1.3698703403
60.2867007313	33.9761206176
24.5537951674	8.4843150341
21.4663656542	16.4932390459
0.5478561968	0.8319636758
0.1989445022	0.2697439458
0.7387581325	1.2793181532
1.3368364681	1.2465487276
34.3562979167	29.8302816029

gene_expression_table

1.6206078756	2.2705870066
0.2196431631	0.4447277331
2.6893300527	2.4834915452
85.4879822174	66.9128941947
10.9594112396	4.0264710411
0	0
161.7195098665	105.9626723864
0	0.0512926434
0.2443265403	0.3091912435
0.260777146	5.2801474596
13.1526607191	17.6504620635
7.946586827	4.5616096205
2.1728700146	1.2789448796
4.2566551967	5.8917332935
112.4160401518	67.3097442816
411.0642356681	461.3579274072
11.5238317316	17.054953041
2.2591809826	1.4294783052
0.0147784744	0.0374038357
1.7492601957	2.5490632474
5.0794703714	9.1598811024
0	0.1278401448
4.2266119871	1.7304644797
0	0
0.3394666546	2.362742268
2.0315997427	0.6243750943
32.7973603526	45.4953430688
8.4553646503	8.0873043643
0	0
2.6790605046	4.6273112919
6.0082892214	4.3930708253
0.8779594254	3.7299310915
16.5491970621	7.0660458862
1.7581403013	1.9215026602
186.5269034947	107.8708256367
0	0
0	0.3486853751
1.7933913974	4.822703444
134.1886844899	133.1391867482
8.3619357665	11.8416422214
53.870696981	11.5316643986
0.9042632642	0.3641051216
2.0837791767	1.4942934787
19.2596165284	16.0638447375
31.8425974896	28.7249143305
2.4515056905	1.9229382552
0.2374562642	0.3004970214
21.3204546368	17.6770017564
0	0

gene_expression_table

3.3211479536	3.311343026
1.8662053564	1.6780161634
9.3743270075	7.8449251992
165.3717687745	99.9697854101
0	0
0.8915121332	0.3333300555
0	0
1.0210008337	0.8160378115
6.3474986706	30.4395378709
3.129536993	6.7326424587
2.1105576232	1.526214959
0.0902469008	0.2626737493
17.3516289262	17.6806308414
6.9965608019	3.3202625049
0	0
0	0
11.1991570151	10.4795547023
134.9902592844	126.3929466129
53.5726660604	40.4164487176
3.790026351	3.1673127201
0.9901295784	0.6264963996
0.5711412241	1.2648472981
20.4383369642	17.9613759677
54.4337651704	22.767089552
0.8742046677	1.9360105088
0.1966801829	0.497791114
0	0.0650847696
9.8424100918	5.8215499107
2.3337189736	2.1854295827
14.9559025399	18.5321491854
5.6696469735	6.6856515659
1.6519726701	0.6271633245
13.3897493395	10.3255601434
3.4705956966	2.091420063
3.0629782946	2.7602879042
10.1325366809	14.7653716241
1.6316690026	10.9142095507
0.3926357842	0.6624988905
13.7135776206	10.2446400908
8.0198001602	10.5295107571
107.126216662	168.3241751146
16.2570546266	28.945784521
67.5446527245	60.9021160495
42.4982753061	48.9921649734
7.5953326393	6.7282385243
0.3797899649	0.3204119956
2.2891692995	3.1197452843
0	0
54.6526209004	71.4221945629

gene_expression_table

0	0
0.7811459113	0.6425427996
6.5674835576	3.2320723191
5.7139783126	0.9248884633
2.431286256	1.6179477094
4.0854729611	3.3873064125
1.3919271479	1.3761414505
0.1434247075	0.3630032465
4.1211116827	2.4120297599
0.6271138753	0.297600885
305.9138405119	411.2750461219
3.2358550716	1.9046147478
4.4058884309	3.0665688908
0.6685521969	0.9694229859
761.0387455369	1391.6908221127
4.7454794016	3.9892526865
0.2432305607	0.1539021496
3.5506255025	0.7863202451
0.1858806636	0.2352289419
0	0
59.8895920824	44.4682117187
0.8734887439	0.9672125133
23.4864822711	12.0030182442
1.1931480599	0.7549546847
0.6408897208	2.2303475351
7.3068929034	4.0857748239
5.4293964499	5.4492650639
1.9301384714	0.4885117381
1.2806267661	0.758028307
1.2803519191	2.234000954
1.0649735488	0.6738533103
22.7268794648	6.9530865885
0.1071858484	0.6782096966
2.4448115284	1.237547613
1.3222486255	1.4802127917
35.924488788	14.335982189
2.103074413	1.7465478831
0	0
35.5467015915	24.1150106709
1.6625770491	1.1834797968
2.2720392558	2.491864739
1145.8474169847	918.4732176031
29.2244761339	36.2118854165
5.5133779013	1.9186996472
0	0
0	0.0627479703
10.3316338766	9.6637710809
0.9682285401	1.1844348134
0.7085446329	0.1494419421

gene_expression_table

28.4257402212	15.288231611
9.9817676785	5.562611608
3341.4416049818	6999.0221119081
3.9099841215	3.5343007163
0.2937398531	0.557584475
0	1.3774499844
0	0
612.7871715854	659.0038997878
355.4592443144	189.8209781636
8.2105344061	2.4846362635
304.9459849076	197.7879717321
181.9537001274	67.7394300933
11.2203564291	11.9333514551
18.9930780232	15.0899127092
125.7855531381	68.2198121639
0.4599529839	0.1940209946
48.6432080826	62.8838482928
4.2127179476	6.5158203147
22.9568676218	27.1330428031
2.8762537236	1.5993289438
0.5151647194	0
9.2188545443	3.3332313592
0	0
0.6545846949	3.7966785685
5.6088489774	7.0979067125
7.2402752407	7.0976725239
24.0722637412	22.3792844051
19.3568632718	12.5702101359
4.155777518	2.1079737492
29.1296034601	44.1851472066
0	0.7262255453
2.3185273616	2.1441196608
13.9650212028	13.9907339913
24.9458813402	7.2850627228
0.3778014547	0.2390507832
34.5830863005	16.3780623357
0.1448140813	0.0458149633
3.694192466	3.4088105549
4.2338777182	3.02094534
0.1728935046	0
91.5772069408	61.4565311226
0.9331446891	2.1649454807
4.5952251088	3.0194215648
1.4278247906	0.5678793801
6.5012826301	2.7866549227
29.013162317	31.9950949544
1.7430804979	2.4815698672
0	0
59.2937819002	40.7334550449

gene_expression_table

0.2299650844	0.5092798478
3.4746832313	2.1985774203
6.2139342864	4.6928128133
1.140280662	1.0822549061
13.8935264323	19.04719985
311.8887356217	333.0197698206
0.3406836492	0.5851044436
4.8539685	4.3936780138
10.5267559371	20.4579220194
29.3274960013	16.4559711614
12.1848614944	11.1022150157
2.1749541896	1.9878220415
54.6449357637	38.3253561857
10.5955801654	5.363413412
0.1973457673	0.0624344608
64.4658878178	52.5677342262
38.3331208891	21.5599724384
42.6508239947	27.906970362
5.9960133416	4.6069131104
6.8769040165	2.9272414244
0.2846533723	0.6303923331
4.9009591434	5.5604888317
23.4229445817	22.6941613151
0.2885078717	0.2966453721
2.7721382905	2.3816429524
3.794240125	4.9374417593
880.72633228	1060.4294852823
3.7993002265	1.4793699516
21.242865626	14.1133121147
1.902793172	2.1571251545
0.0259928409	0.2795948805
0	0
0	0
0	0
8.0270901776	11.8088510359
0	0
0	0
0	0
1.9910092299	3.5431729317
2247.7072822538	987.2583023778
4.811181263	5.0737260472
0.5288046083	0.1672983973
9.7845779339	8.3923959012
41.3165478048	12.2710670177
2.2728224355	2.6365346757
44.7121986872	11.619632176
26.1015511586	2.9145076235
0.0462905993	0.1757399906
0	0

gene_expression_table

2.28341356	1.6512128807
0	0
0	0
2.1327753134	1.5948590875
12.7995290962	7.8738308453
47.1471790825	17.3746768275
13.3110815124	7.5586341492
22.4787881972	18.1200557158
1.5952616051	2.9160119286
3.3004256344	1.3424897249
9.0278464124	12.7775043089
1.389984911	1.5077170179
0	0
0.6430537626	0
0.9619454511	0.912994685
0	0.1030302641
19.8735857124	23.0866367574
4.3380279198	2.6003858371
1.6933402105	1.6558729155
1.6093484639	2.1820759057
0.2678740453	0.3389902263
12.3337703888	19.8649625359
0	0
1.1128016587	2.1443537478
0.2967291412	1.1578097921
8.8193635042	4.2333918664
5.6284960515	3.474521836
1.8232073907	1.4654086527
1.4659923526	2.5619281676
224.2690756771	198.9399655389
15.3139474837	16.8296094333
409.6410299954	438.8520875997
0	0.3241562432
4.2728996326	3.199310085
3.5472126639	2.6653079185
0	0
0.0749913437	0
6.1280764944	4.3248930544
0.2335756001	0.5911722089
1.3196640081	0.7613295627
0	1.2165689676
0.4719407807	0.2508380048
3.827156149	3.7386132723
0	0
0	0
7.1530601	5.8742225496
501.1308268704	592.3238999627
11.8052375384	7.6587730912
5.2100962135	5.6284196643

gene_expression_table

0.0283622232	0.0119639767
19.1258089991	13.3118692878
2.1870392724	2.3784599225
1.3088084626	1.2422067891
0	0.0298017359
0	0
3.5073116789	2.071274617
665.7337840031	1187.2660090096
0	1.1626840757
138.3991910376	80.9155644187
12.5557138988	14.607675675
5.1790312062	1.8205498188
21.8496388668	31.7560205323
0	0
0	0
0.1270350388	0.482282296
2.0439781023	4.3524870621
0	0.0602404095
154.5830045496	106.0437332778
0	0
0	0.0228184088
8.6663364968	2.1752939897
3.4390809784	3.4454131107
0.9430596758	1.2680157697
164.4446357022	86.97860146
1.7101843875	1.6231577939
14.5586028973	12.7430412024
0	0
50.0914563129	15.5694538613
0.5606683015	0.2956319051
0.3900974641	0.6098177217
0	0
1.1013020326	1.4865917046
3.2053763621	4.3267748257
3.1966404807	6.6002202527
1.4195867544	2.2251654339
0.123424345	0
0.043098837	0.0340880461
3.6478624171	1.9569141361
0.0169250544	0.0107091899
0	0.0215278091
0	1.3274084147
1.0474982012	0
11.7238812265	22.9963891278
17.45471169	22.7197567255
16.6391964159	9.4002817505
0.3258073536	0.1030759703
11.2168138265	12.2232092174
48.8256532353	50.3615060006

gene_expression_table

0.8585022475	1.5520293761
44.3634388085	39.5943247653
6.345346451	9.2759561948
3.6672794542	9.9447475991
0.2137040703	0.1502438935
0.2271944615	1.178794599
1.1144394809	1.7276235627
7.3736299605	3.4525470354
5.3635240508	3.3937260137
3.9142509453	4.9534205986
9.0879545781	5.2275718133
55.5716696671	44.140184509
10.3299824006	13.0724238995
0.5182203147	1.3935735947
1.5964033203	1.6042941882
9.6355916596	13.0646611775
0.6114251732	0.337275015
0.761781589	1.1182656948
1.9094054499	2.1142812167
0	0
2.1577036949	0.7281436697
0	0
0.3212150004	0.1354974444
7.7785130076	2.331374467
0	0
1.4980380646	1.1103635741
12.7985664488	4.2826957533
7.9934504799	13.4874412548
4.0638793165	4.9046815209
4539.1893916391	6399.4851695556
4.7081227863	4.1321976591
4.0461351599	2.7235733599
8.424950281	9.3886056171
0	0.075374713
189.6019350468	125.7941630536
0.7619205557	1.2052475135
1.7625625485	2.4652829512
70.1747688092	61.7194910019
3.8262453355	4.267570318
90.207624411	22.2645215991
77.053346831	53.3886033864
71.2941790283	76.8504503707
11.4507493073	10.0556926289
31.2799062255	19.2099843152
0	0
2.6355793572	2.9350486896
7.1827031884	4.3732949831
1.8673871765	16.7437678074
8.2889191666	19.1278966934

gene_expression_table

0	0
7.5918856966	15.6999094425
3.3405210776	6.2681764688
18.8526811921	37.1900375366
61.5899218107	62.2005037991
10.5649077067	4.7629620499
15.3237910354	13.4758015513
30.5314251741	19.6830099678
16.3559573166	1.379879778
0.8836372986	0.6473954819
17.9998137686	30.0495637205
2.1964685258	0.6317261412
0	0.2853274898
5.8067413311	3.2832991764
2.7419601708	3.3413907538
2.5051007957	2.6946394976
0	1.8380024581
2.1781596375	0.541440708
8.5963075237	0.9065405564
43.7073033126	23.2656867821
0.4742566724	1.2003281359
0.0960883784	0.1823974086
3.1794136654	3.7361034571
0.4215399256	1.2002667443
11.2015348196	10.2719994504
29.9309200478	31.8094009457
9.865908481	7.4316344874
17.2328847164	15.7863402564
0	0
0	0
1.339473957	1.2948546118
0.8710062208	0.8156606615
126.2106666836	97.3593040359
9.3395236523	9.4826977133
125.1233080578	51.8048904733
1.5032288087	2.1359286898
1.6434957598	1.5598627676
0	0.00811
1.9669975327	1.1655792902
129.1100265443	164.1938746658
22.0840667239	9.6846127996
0.8519494834	1.257816172
0	0
0	0
35.0092210789	18.0906354829
19.4733901753	14.1303079145
7.7922179908	7.7973321657
0	0
0.3724388961	2.4154910973

gene_expression_table

12.3852163264	18.8079466114
4.1495601713	0
35.6617481254	14.0266927907
26.0509076172	17.3118154411
0.0820301166	0.051903886
25.2549982176	27.3941035615
0	0
0	0
4.1725282165	5.4562751396
8.6701801302	4.8896828412
1.2067938633	0.9996073598
0	0.1070341654
0.0929473193	0.2352466269
5.6123102658	5.1109915192
0.7361716377	1.3197853325
0	0
0	0.1704992908
11.7121657287	8.5687110863
17.322369944	17.4926556402
0.0402423178	0.0254629977
11.0528443861	10.7214614251
0	0
0.3587493	0.3605225633
6.7769347821	7.9665244576
10.3209605819	6.0281570471
10.7519937817	7.6906148377
23.7691617696	15.5389874504
0.5716241103	1.00756635
0.8122022758	1.0012469288
29.2050832655	68.4467111964
2.9522361277	2.7470636541
0	0.0145798715
0	0
4.0588883534	6.0876525922
41.2928482267	21.197955246
0	0
7.9930041203	15.9506022804
0.4092779608	0.2589672852
66.1597694693	46.1112092948
0.008847	0.0111954467
1.6971158054	10.3804161885
12.3440438112	6.6619762534
69.6798466956	57.9805197885
0.0260352817	0.0658944469
89.5179718331	90.2205331094
0.1953685673	0.1977885831
1.8927991704	2.3953064151
17.5827668994	14.2606785667
6.0461782306	3.6662669563

gene_expression_table

13.1141130464	5.857304375
3.5865746844	0
28.5230711396	20.8243155919
0	0
17.0730586392	15.9368605168
1.0673529608	1.7395607098
0	0.1018268004
0	0.0669783758
7.2265058126	7.6959893479
0	0
1.0661206276	1.8848534097
0	0.0190457301
0	0.1463196001
0	0
0	0.2367166514
24.394391914	12.1277766801
26.8400130563	12.5136413176
113.3824654775	61.9182586188
1.2364468496	0.293381865
0	0
0.587126307	0.4953324972
1.8768410984	3.670627228
3.1305407778	5.678362406
69.4558464434	22.0426930458
0	0.4163139149
0.3594499894	0.6823171304
1.2457828943	1.504857988
0.5676924779	3.2328249869
0	0
9.2218314221	7.9063508323
0	0
7.1894558593	8.891363005
22.701579215	17.4307616126
42.368456206	23.1526179247
4.7651209138	4.174741826
13.5206265887	28.8733477047
4.5745476422	13.9462640762
1.033257245	0.8172313478
0	0
16.1035468104	9.7041787141
201.2133559013	151.0028241993
26.3040913553	38.4885536003
330.2797562563	139.62342641
0.8390744494	5.8400925123
0	0
1.8857417537	7.8750387196
4.088268167	0
0	2.5698220964
215.6323768082	326.6281915727

gene_expression_table

1652.6601646359	1171.3542048513
47.8785397284	36.7864879239
0	0
2.5602297871	5.8048727064
2.1084185376	2.9349861203
0	0
119.5440397346	78.2979787671
0.6831422526	0.3087519128
47.121981007	34.1095593837
3.3217718284	2.4771496903
1.3771775579	4.3569892288
21.9140984703	19.9101060741
7.9339256296	8.2684438249
20.3245619777	16.0752506298
3.3808499178	4.278410316
68.0570928575	98.004468196
0.6633892969	0.0839508313
247.1152035496	155.6047627522
0	0
21.0844391983	25.5048655696
0	0
7.6672390539	6.5388203717
40.188013955	22.4116804406
23.2194155024	40.8506360333
4.3117701411	5.1154449787
0.7958621692	0.503575284
49.3113694618	33.5048226211
0	0.740840843
0	0
14.6816174794	8.7618511282
109.164882446	72.9978002123
345.7972807619	86.502485155
0.5295430104	1.6753200625
0.0694530625	0.1318375732
3.4710597048	9.7264035098
13.3836492534	18.6304683335
4.947148034	5.4779681103
0	0.402725415
442.1218689543	313.0058737498
135.1854007221	39.0896983671
3.4341452603	6.5187820512
0.1761351038	0.557240238
7.8130964422	13.1831278053
11.5318354832	20.8835861146
10.3207650083	7.3868229621
0	0.4407659887
0.6824311623	0.323852056
16.6866086432	28.5465560731
140.088117862	84.1890873674

gene_expression_table

0	11.3042463316
268.3766189172	360.5048863913
26.6979332069	13.5143192539
128.2590689315	114.8044612259
1.7934174131	2.8369255318
1.1547658264	0
0	11.4284397812
17.7628203118	0
41.2472406148	10.0836483049
0	0
114.902460238	53.3773212665
0	25.6596856749
4.3592817126	0
84.0391990885	79.1326377867
37.128614153	88.2413509424
59.0845031597	37.3852365495
0	0.5549080273
11.1652013388	5.7802008336
68.9357439645	36.8428348932
23.3313007007	12.2319430272
59.9075574399	53.0684243873
92.6557393566	56.8324528785
0.3696383106	1.6371993431
9.235251198	10.7131378332
4.4257861481	2.3695523235
12.3876983337	5.2254765942
86.6192052911	133.2821043593
0	1.3436170494
441.6939292113	2252.9367059994
0	0
0	0
0.0176002206	0
5.7816170081	3.9791718733
3.864263828	4.0636563436
0	0
2.2820131994	1.5028609264
0.2599254945	0.3837533761
5.2110591743	4.2755615699
0.7679132225	0.6073635204
31.8827018657	16.4123544956
0.4740558429	0.9389894422
0.9614965731	1.9655324753
0.0367414155	0.007749
25.0841914664	14.137921175
4.932914776	10.1851691505
18.4314580091	41.870696908
8.3495652434	8.8051986284
4.9283925243	3.4684245967
10.2754298434	7.5853099758

gene_expression_table

5.3015627118	5.1842589279
7.835819754	8.122764268
1.2588376703	1.6187326672
28.4281795093	37.3822556352
274.308305536	192.8514874937
0.3422066632	0.4186217082
3.1995142177	1.6027026265
3.6330303852	3.0060842227
7.16465999	7.8105222734
4.8987939256	3.4440798052
2.1861932691	7.0893916207
103.0756392209	74.9546368259
0	0.2010831952
1.3667842186	1.3199907796
7.8705499211	3.6808888907
0.0206140792	0
0	2.3576065285
1.8050937416	2.6996469245
0.4956536164	0.8363220678
10.7920001513	10.5532134912
20.2446046721	14.0492476726
0.3806787454	1.1441389855
7.1400785688	15.7344987276
0	0
2485.271014222	2650.5923037202
44.8829200267	36.2335907704
1887.2329808742	1763.7905790237
104.8864727227	38.9539908631
17.2099951395	10.8894837885
4.2710583855	4.3588343409
0.3088260126	0.1302714239
23.8824540675	30.4387328366
4.7890631315	8.8152452694
601.7622881153	347.8190869043
6.1339235609	2.9108925061
0.6492336165	1.50625664
1.8596987312	1.5129117966
12.8057541783	11.2392793987
0.4545125416	0.747731651
0.9967722547	1.6453030403
0.1236453033	0.508531109
3.3320406236	3.1070000698
6.4390801852	4.8118597025
0	1.0705703317
16.8239399992	17.3109031426
0.2854892798	0.3612820177
48.7786872515	43.38896562
0	0.0647486091
3.980887389	1.8492998727

gene_expression_table

72.8283816799	78.5188649624
0.5756444018	0.2428228608
12.9599443745	18.5873441673
0.4053616715	0.9297736585
0.0730962972	0.1387532542
15.5593135487	22.7622644772
44.5328860418	39.2610954912
2.8959440232	3.5775134068
27.3881213402	9.4956766951
1.0073657712	1.5096374048
22.5697691075	27.385605009
71.6098142814	95.745454207
26.3656171606	8.6103890605
2.0995385736	1.0627727004
0	0.0866459883
5.8948498055	1.2218697038
1.6125307796	2.0406313471
6.6336556629	4.7220653385
46.2271019595	20.8326063293
18.2996268958	18.3333206819
5.8177793129	8.9784202895
0.6759060761	2.5660442778
1.2235671949	2.2365839711
0	0
9.9492759653	13.4899779941
0.5396977114	1.1098402789
1.1469949162	1.6934205405
5.2113971191	7.2426549949
5.7973847301	4.9783363178
10.861281189	10.044257801
0	0
10.7891056542	9.5794274836
47.2613117239	22.4281565886
2.379094382	3.3221573049
4.0865306965	11.0816524458
20.0434397284	18.8189304549
2.1886324335	2.9307063986
0	0.3803626598
0.4057963162	0.6633077828
0	1.8648772556
3.2716531536	1.6560894382
6.4866278229	8.0221596433
0	0.028413255
7.7715130356	5.9008336395
21.6084647	18.3820234956
4.7517609159	2.9333052578
0	0
0.1840135331	0.3659324724
10.1647876152	22.9128824411

gene_expression_table

0.6023642047	0.3811410281
0	0
2.5727341097	4.9576238381
2.1770819917	5.5101233586
0	0
0	0
0	0
2.4073668314	2.3771802134
8.9516541262	4.7926881517
0.0931452004	0.0757759685
1.0307159896	1.250006146
12.8864759603	10.9840612765
10.1902720228	6.9851289624
0	0
0	0
0	0.5835102537
0.6014444959	0.2634639853
25.3049165219	31.2782383265
0.8336709219	0.316499078
0	0
0	1.8044714631
32.944207984	9.3681638287
0.1482671528	0.1993565124
0.1912168311	0.261085599
1.7611558839	2.2287139876
13.4015424791	13.0728962545
46.9507951234	32.3948634759
2.1220590202	2.9295610997
0.5459497517	0.2763561952
6.7452521253	13.5153433453
12.223612559	11.0491299402
10.4165841825	7.9092102235
38.7276989971	43.8612375564
0	0
3.9157693518	3.5395300837
0.1431987738	0.5209951601
2.1590853889	3.1876684847
31.4229968991	20.6259209366
4.2225569685	2.3282727626
0.5882176337	0.5955038415
0	0.097490073
228.8045082115	179.8383608454
2.8004496436	5.6824976326
2.2086881406	0.6043370258
402.1280077091	283.0680719944
36.3665295345	36.9959705376
0	0.0268982135
5.8869362633	5.0794238372
0	0

gene_expression_table

0	0
17.3378140788	13.6569789968
3.6822907419	3.9608969394
0.5700943217	0.6763547313
1.3671985862	1.7301674659
0.367234149	0.1394186441
0	0
1.5554324717	1.3122495811
1.4980691829	3.3176186177
17.0992066313	8.7674312666
3.4712586034	2.9584304896
0.6372804937	3.1250636911
1.4158257395	1.8130341472
0.198206351	0.1003307591
165.3065060459	63.3917217299
0	0
0	0
0.7352130744	0.5316572169
37.4208791131	29.5971943302
2.7139086326	2.3416411498
1.1026837762	2.9071422854
3.518807159	1.2845171971
2.01744826	5.5316035683
2.3451936674	2.6710238316
0.9286586412	1.0446242959
0.5238349097	0.1988713551
2.3037647095	14.7226517704
2.3892271083	0.8398688492
7.6451625988	9.0151809343
0	0.2197712665
193.6273391434	145.6323649741
86.9215782483	112.1131796803
0.1083051357	0.171322974
2.9794770608	1.2065534481
33.9334433435	22.8513945567
5.7646520608	4.4933420456
0.261582729	1.6551433417
3.9593933549	6.8000288588
0	0
0	0
30.5234518121	29.2628253085
9.8824324037	16.5945752272
0.5937432973	1.5027448778
7.4241880585	8.8732337256
52.8131239479	45.1043907393
46.4905982589	87.1182327933
10.2090764632	8.8396027554
50.6058062548	30.4273551267
29.4977248005	32.2130319119

gene_expression_table

44.9844372344	49.7163079008
0.4837894131	0.6388461866
0.7750724904	1.3077887589
0.1261561368	0.7184183817
7.0121549196	9.8111372482
0	0
6.1437214652	4.9980722812
2.8017955665	2.5114854362
0	0
205.2060819469	47.9852611901
8.2916988176	2.6232523345
0	0
14.5995783385	5.3373746916
0	0
0.5566233618	0.5031412623
2.2880344227	1.3625741964
4.6169070813	5.8426204548
8.4629582941	7.9399762497
0	0
0.1932129362	0.8557773455
1.7965882974	4.2944892413
63.4351427002	43.5110150711
12.6675010007	6.2144729632
1.0415852845	2.0870061611
546.9114208593	195.3992604774
16.2960907083	13.987391683
1.3870664128	0
0.3231653929	0.1752687956
0	0
0.2055429942	0.5283510779
0	0.1022211974
13.9076131773	3.5028841953
8.2329551957	7.8453842203
0	0
0.9172517512	1.0317929778
1.91416024	0.8074461665
0.1459389106	0.2770249594
0	0
7.874169245	4.5293784035
0.2423559442	0.2628835598
0.5740158113	1.0169706788
1.789100233	2.7371678429
0.3481554578	0.8322161899
4.9545277272	3.0913961414
85.3623069176	56.4452887242
4.0595820366	1.013947642
187.2009051827	80.3519402754
12.1437088278	16.6435782005
1.0274181781	1.6658567944

gene_expression_table

2.2753709708	2.6336385146
6.3646873155	1.8305472219
2.3520264325	2.1526118911
8.7351548807	7.811631655
0	0.0258488645
0.3520755854	0.6683188488
4.2562277727	3.9604313857
5.0151237211	7.6484149717
419.5611265768	325.9964155736
12.2909331855	6.0179070207
0	0.0655882734
0.6702798045	1.4509165516
0	0
2.7032827361	2.651244094
0.9669055117	0.8303021188
82.1456673555	82.2969162612
72.3485658767	34.7912525206
140.5210279366	29.6378440406
18.4104899333	21.8861635655
6.2110285523	2.169675112
0.6881853963	2.2808954971
387.6689752583	628.3568265867
2.8991002103	2.0178201641
3.0106658396	0.8334262158
17.9580934676	15.7530238734
8.9452574701	14.0588054694
1.035941255	1.9664500909
245.242764783	342.236057689
0.0586342908	0.2597025783
0.8864852242	10.657409348
2.8417345118	3.3782189697
0.7168470211	1.3323885906
0.2457568842	0.1166254951
0	1.4059199248
154.330128105	63.0914691488
1.355517597	1.0959406499
6.7418095634	4.5939652863
0	0
31.6993127623	20.3595516096
8.8719288982	7.2838145473
0	0.1527436801
6.3408180721	3.7916557195
9.8528973397	7.1435148997
1.5930746335	0.7140035106
0	0.2056019781
3.4453106188	9.1741335881
0.2722284633	0.1531114094
2.8620692862	2.9427952981
0	0.3821278131

gene_expression_table

21.1830564354	19.2309736202
10.0107881527	15.9622958824
8.134266431	5.1468906129
2.0886843955	1.1691059081
0.1229945774	0.0778238137
4.3531418792	3.0987168201
0	0
4.7629227657	5.9339528408
24.7198271335	25.5247368977
227.6200733928	115.9223528189
2.1047844003	0.8266252528
0.4592979506	0.4843617083
5.9902526053	1.8193360248
5.9132531984	8.5521431762
0.3986039494	0.8126875954
12.0751322842	5.7303309583
4.3475236187	3.7434384087
4.5200282335	2.8891947131
0.098882025	0.1877003798
46.365711599	25.2495093284
0	1.1588945869
137.3782710253	53.9289661712
7.4615000675	9.9376374924
0	10.9935737279
36.7664754517	9.8994412319
90.6864064906	50.5203010189
12.8996322253	11.9086915102
14.2654367536	4.8644938197
8.2991203426	14.4408015903
27.5881125512	18.9835661408
0.85840964	0.1357879213
419.0256777334	490.2258988405
0.4972018072	0.5033606088
11.3307908938	7.0391114301
0	0.6764268634
467.0247822197	289.5635784078
54.3322243111	18.37459309
12.0145023683	1.9005195485
0	0
0	0
0	0
97.1556552448	31.9259558604
7.6493768946	3.3880565048
0.2220033569	1.2642372891
7.3702891004	11.6587255
2.0354415327	1.2879089967
169.5541938853	88.8924825166
3.3658059919	2.8529759021
1.2072380968	3.055480162

gene_expression_table

31.7085246611	20.6782772168
0	0
23.1391605773	41.8317564784
28.294958819	10.4089557982
10.3397738531	25.07922841
0	0
0	0
25.1464778674	11.3088069474
3.217142237	4.7731790113
4.0339713624	2.2765205322
1.2754567887	4.4891314106
8.8191720838	17.7255288036
8.8607441548	6.489789206
0.0320442369	0
0.0536951088	0.1359005653
0.0109245719	0.006912
2.9569786836	2.7972437509
0	1.0809836884
2.80720321	7.4996584301
0.2654845007	0.5879410191
0	0.0347304093
159.3542225094	79.7261114178
2.3161590052	2.8294899333
21.5045517896	91.3601403558
0.6853061495	3.2521639945
3.1383287198	1.9857518518
0.7570019293	3.6950409108
0	0
5.1755271848	4.5648344399
1.548785602	2.8310574741
0	0
0	0
7.7260457097	5.3558841972
0.1794703528	0.4769452765
0	0
16.3008699378	5.6999759782
0	0
49.0769225215	106.7094745014
65.2883538155	50.7711316736
1.5612848971	6.350723101
0.0144015485	0.0364498486
0.0779179089	0.007043
0.7998977223	0.243691619
58.2404535196	50.2316557589
0	6.7493860755
3.5590583211	3.3779476033
153.0715937257	128.6352813357
1.0867849976	0.3257309966
1513.3038449861	984.5795297278

gene_expression_table

0	0
15.6229017738	6.5901756204
7.7789566493	15.8600073676
2.1178091916	4.4220873172
3.3238351044	1.7928317055
104.928383706	82.1067968283
0.357128468	0.178397463
0.7235797573	0.3560971388
0.4409471323	0.8370170839
0.2938990647	0.2603471241
16.7494340648	11.6462280572
0.1611644236	0.1529632081
1.79641426	0
0	0.4384830976
0	0.0849371155
3.9587273927	4.7784876706
2378.9740692899	2456.0944842
5.0052319583	9.8736494036
9.6636737966	8.1311311509
1.7496644183	1.8234355388
7.3326945059	4.6397025276
16.2250301024	10.7882681869
228.0897075594	91.841208176
3.247930574	5.7542842823
0.5067394736	0.9619057829
44.8861309954	32.4586658152
6.8989525318	6.4194938792
22.3227870155	12.4789811372
67.4954846424	64.0608245252
15.4000285718	9.8602451171
125.5930479378	29.6198815035
11.6895021443	5.7280677193
26.4917426579	17.387120652
12.7105566617	12.465876333
124.4132029779	125.0915993286
1.8530023637	0.9770600861
4.9670240808	3.1428438977
24.7456423879	36.5344070124
0	0
4.9857806243	2.8679199521
35.7309911474	15.0723284421
30.3709689546	17.1726225895
0	0
3.008010447	1.6313948825
2.7283914095	1.2169474893
12.9138318781	9.7128426471
53.7311243515	25.6240555066
34.5140227164	32.9194651634
24.1683623166	13.5082281525

gene_expression_table

26.2288915757	16.1841564618
23.57390995	28.6229762298
6.8424412979	7.5044646151
32.5548248821	25.411603015
0.8308136781	1.3405109423
0.4628401384	1.3178624191
26.0189896601	29.2223629782
3.9726616121	6.7031177905
0	0.085153471
0.5917862945	0.4814330681
0	0.2897987797
0	0
3.487355103	4.4919978673
22.8134338961	13.8154853793
0.7725957665	3.3730902389
0.2340664724	0.4443109429
8.6332164591	7.5483160837
0.8869091973	1.2158998517
36.8357494826	34.7702339664
38.2292253977	21.0501695923
1.3608715815	1.1032592273
7.6911984897	6.5841464032
0.4754395653	0.9884430707
1.8939229461	1.7016772598
2.7323739507	1.5033802513
48.0183692425	50.6387179054
0	0.1366143636
4.5103037303	9.1323450503
0	0
43.4243868528	15.1120342599
3.5753133881	5.9788044428
11.0546313487	14.597692487
14.0513163337	15.7610621753
0.5177777974	0.6916415258
0.2989824169	0
0.5440373756	0.6196233665
3.71888406	7.487115679
2.8187238798	0.594508167
29.7106292211	36.2555187133
5.2552276034	6.6504046431
507.6908439962	473.2071544815
0	0
521.5340934698	191.1454764673
23.8465796797	18.377297439
18.3183096571	10.2714871621
0.0761887687	0.0241039104
3.111490208	3.0762031293
2.5846861167	3.5823902318
81.903884083	34.1947302189

gene_expression_table

3.1218574898	5.3062781321
0.1353861638	0.7709803994
4791.9526714467	2914.842182591
28.8942241535	23.6244092342
0	0.3110848032
0	0
0	0.1151660453
0	0
0	0
5.8257660837	4.5053627455
2.1162141282	0
0	0.2427550416
0	0
57.4536119494	33.2373060237
29.3929535969	29.0677398064
1.078911568	0.8616254577
0	0
0	0.1200045787
584.2019963714	470.3465361382
0.0260290693	0.1152877663
5.888999053	12.29651289
931.2101207931	1152.2438288526
6.0826451629	9.9257082643
39.6717017627	43.2525823304
3.5842667865	6.1399664061
0.2103002864	0.1995986815
3.8785350874	9.1152708476
2.6912516467	2.8864207762
2.2811083523	1.1546821354
0	0.3245193305
4.5824888823	6.6989196671
8.7011774337	10.3994646213
0.5358409733	1.0171469913
14.0641621281	9.1403120279
7.5017736268	4.3151690542
7.1765210408	2.6521983441
0	0
0	0.0544365933
6.1775784192	10.6989775656
0	0
42.240349591	17.083387975
3.5293747872	1.8710452626
9.9639366304	15.2163641583
19.3982744882	12.0425128781
18.0455883905	13.4999696033
2.4570350655	2.3320032891
0.0597352313	0.0755939589
0.8362065043	0.6349233988
34.4916830445	42.4264986639

gene_expression_table

0.2886352896	1.217544139
0.0591664713	0.149748405
0.0156287741	0
197.7910380825	161.9743173795
21.5103620465	28.6396962589
181.3556572062	143.9253719911
4.8826709862	6.924674511
16.0081384674	19.3772533575
2.4269577811	0
0.204955619	0.3458239815
0	0
0.0935805233	0.0888184671
1.4079933813	1.9224604503
3.1080017821	3.0618634907
0.1529860234	0.0968006561
1.1885140297	1.9337722458
1.2492487883	2.9359644311
2.4018734335	2.3687383998
0	0.2244746776
36.964433897	38.9815724726
0	0
0	0
0.1294736709	0.1638468144
0	0.0247237292
7.1489685212	5.7364439695
3.5435954135	4.2256488839
42.3885703842	21.6549672439
0.8442159118	1.2820097267
69.9869892231	66.817434381
0.1304634254	0.2311390657
0.7982903409	1.0102233795
52.9930218296	34.9363884059
52.6834881155	43.7602928181
53.5827913044	31.2901538459
9.2381460018	6.7648564408
0.0333673125	0.1794596014
2.4954356481	3.966213506
0	0.5281216893
0.1905736791	0.5081751679
14.9752767743	6.9750090588
21.9611776242	27.4055181468
313.2646425865	258.7039843311
6.0828715504	6.7980346511
8.6049197866	11.7555864629
0	0
4.8008687762	5.7716499244
12.193193681	14.504470084
0.9326491585	1.2323222203
0.0886644167	0.3366101106

gene_expression_table

110.949308409	116.5175309295
36.8442903094	30.5641005192
359.0890479628	159.5884402581
0	0
1.7825498265	1.0663723542
389.9668735351	475.0260989797
3.113625036	2.8392917379
2.1086950282	2.6858471408
20.4632032316	24.1528593953
0	0
18.2059675961	30.4932632334
11.1228441432	3.2943308988
1.8491946529	2.6744292695
100.09348586	42.4159034158
17.3611865761	11.1242014526
0	0
0.4448054593	1.1257880782
33.4275167515	28.7558377032
21.6007201469	24.7069584759
7.0749039183	10.2961515717
0	0
0.2972356631	0
10.3502165424	7.224706955
26.9898979864	24.0230880113
15.200470829	6.3719075778
0.8725419991	5.3631971061
2.3672911887	3.7006549705
77.9095130278	59.3642247775
0	0
11.5592508146	11.6446921145
7.6355580557	3.849971643
1.4173329567	1.008906577
143.7741338751	102.4741036256
2074.9897728596	2351.2791567529
3.0626793754	1.1451140689
89.9339689889	33.7214719753
2.3277956952	1.7183759879
1.5274889727	5.1345640027
36.3922150134	7.9625648267
0.1000912666	0.4591565001
160.5967930542	293.3451923049
1.3086810513	2.2623706762
1.2481077134	3.6854064632
5.6282700608	4.643859422
21.2655756089	26.1495995564
23.0945551766	16.3320547193
63.994535493	44.1731120561
0.0458293407	0.2029869856
0.2066055668	0.3735085259

gene_expression_table

92.8940019684	53.5183578802
0	0
0.0488028096	0.0617591579
0.6089837101	0.3853294661
0.1501520955	0
21.7007599386	15.3329260113
11911.6717146164	19250.7334074578
31.9267443134	27.9231520879
1.8902030724	1.3848543184
0	0.1719844003
0	0
0	1.4104829537
2.2123990532	1.7981689057
1.376959097	2.4685689132
0.6300969864	0.5315849588
0	0
222.4461376412	169.5491294338
5.3161159309	7.4749531404
0.5229957811	0.6618426134
22.8256999049	34.4495700882
11.4510249679	7.5242171839
0	0.2498096207
1.6547565979	3.9637704927
29.1731270144	19.9068269555
0.41454896	0.3857389218
0	0
0	0.1004108208
20.5459283247	10.2829990673
1.4162350761	2.944365277
9.7559234049	3.0864904057
5.4665115438	9.419957129
0	0
0.3768954008	0
0.1386309462	0
2.0040400287	2.2190699153
8.1270858119	11.0560463398
1.4109208865	1.7168243485
2.7277457152	14.0542360305
2.7373317644	3.4640486102
55.0006457899	10.311469384
39.77661508	21.837225892
0	0
146.3480167289	99.214833925
38.7774648614	20.3148553637
17.6669270297	35.1919005623
24.860384425	59.6822487301
337.076338467	357.8767595905
84.7864410596	62.0304164325
3.8096908245	7.0809927909

gene_expression_table

2.8674100896	1.4941543667
39.6478578155	31.9287284141
0	0
124.1489225341	129.7057988706
1.4793494001	5.1482543422
7.1938802101	9.1037378324
5.1487746062	2.3528880971
4.2983836691	2.1269973797
13.9812529681	13.1315584153
4375.4170362202	2137.1503383418
1.2849935492	5.2849495894
12.3068465233	10.5633115196
16.5304273411	15.5730226391
0.9189390954	0.7038619829
0.042620481	0.1887743277
32.6013432776	32.2983895796
5.3723809043	4.0791961384
0.4215104246	0.8773265679
47.0905326463	40.9172478537
10.2552519923	5.6663868657
71.7823689566	53.0375696803
1.0067652951	1.2617945939
3.4461998689	5.2898644355
0	0
7.9954593241	10.6854944895
1.3550388664	1.4289829494
32.0479220217	7.7425322944
0.0919313127	0.5816878689
7.5333565426	3.9000025567
125.5480533496	144.1767729044
18.8527688156	19.0368502878
0	0.2624132325
379.3297021847	276.8411978195
4.7789450009	2.3664822236
1.7508742299	0.9693699411
0	0.363219554
0.5913915913	0.5987171147
314.2864138599	200.2725300243
15.61977929	18.2589552508
0.0944260766	0.0597473284
0	0
19.3706772846	25.1243102454
1.6280928343	0.7082366751
13.1131321277	12.6641888786
0	2.3105788568
18.1785412626	21.0875929607
433.9846651436	333.5773220217
15.9190708409	13.8933268795
42.5649727144	39.7024242227

gene_expression_table

0.0319310157	0.0202040893
51.9640026617	13.4242962438
0.2152319453	0.5447450182
143.4396435563	89.376721721
326.1931486165	67.9440410452
0	0
2.706918224	2.8546339765
2.6833918512	15.2810483923
0.4451471328	2.1594179483
7.0790900922	6.27093097
2.052030304	1.7410436128
0	0.176844474
0	0
3.6996278116	14.0454555917
2454.6673077822	3953.5253673485
0.1216057103	0.307780078
6.0238952668	5.0073573291
6.486561523	7.0359750806
0.3727989038	0.6552373888
148.9662187054	70.8942723593
8.2412618528	7.658930666
3.5196415335	1.7662607458
3.7580253165	3.6184823186
0.3243805936	0.6567973436
0	0
0	0.0101392048
0	0.2627128715
1.9325119222	6.9290930515
0	0.5302157767
0.2364209236	0.2991868149
3.5352161845	3.0972172871
11.5460405669	7.0012601998
113.5841326397	105.558227875
76.6688810559	53.0960382742
10.1463247837	2.9058965897
0.0677086529	0.0428420968
0.5845058848	1.3067726717
0	0
1.2740338708	1.9941222352
3.6429907905	2.0855419242
0.5916048835	0.3349296655
68.6395721424	38.9893084199
35.7470922324	21.4436841039
0.1806177381	0.3428531934
32.1567303011	8.1952825181
0.298174785	0.1886676586
0	0
0	0
8.3606701407	17.9864954142

gene_expression_table

6.1700414794	5.7875730008
3.8856396992	2.5655027136
52.818717864	35.3243178591
2.7113224207	2.8344152176
1.0561485551	0.6682693677
0	0
0.6679772497	4.649228608
0	0.2160245907
0	24.3946105867
5.1576649716	9.7904110907
39.2041417657	48.1760580192
5.8144714144	4.4148711275
0	0
3.1401303458	2.9561073358
93.8349644247	144.0118508812
1.10528803	1.0490429532
235.685488544	293.1137866838
0	0
106.6582907224	62.1120781793
0	0.3435760041
14.0434771045	8.0281834688
36.4056279108	12.8049520978
3.1494362255	2.9094588514
34.0942920843	28.9392355809
11.4310224409	14.4657720756
9.4081552201	21.8914322616
17.1749986891	17.0309060806
112.2541428905	229.6568495042
49.451691748	56.8911888106
44.2859998967	28.1582952936
1.7875828423	2.4237395051
0.6128693418	0.1551152271
2.2885107467	1.497122456
0	0.3318759954
0.483505877	0.4079125234
3.0498960154	3.8902252563
0	0
0.1956398599	0.5415791615
10.3484287977	14.1870814731
1.1932870123	1.7576401642
0.7096410551	1.9363969328
1.0641180011	1.5279002384
4.7240821311	5.124213196
0.2995160165	0.1474015759
0	0
4.6521926881	5.5340373847
2.389480955	2.3872492863
0.1673605379	0
0.4885854896	0.7728711899

gene_expression_table

21.7377204246	21.1447700179
114.0560041073	48.5063637205
78.0929569099	67.3034783768
42.0269334969	21.9587095622
1.6576259001	4.7474228874
3.6634500999	5.7950452846
187.6548266663	50.5514207759
185.0736966618	52.9513147613
0.3378401633	0.4275312052
97.9740298415	100.5160325344
2.4539810737	3.0315331101
8.5442524124	4.3443529492
5.6764529001	3.839434647
0	0
0	0
5.6537479317	3.6927616028
79.5479975545	39.2845622672
18.2539801754	10.850053347
67.9960761535	71.3806634609
12.2117300883	9.566603951
0.9572382106	0.6460636324
4.6058128817	3.7885776022
4.943191898	6.2555285577
4.3626660092	2.2083530133
3.5617309361	4.1153720894
1.9908088465	1.2596680292
245.3466665334	197.5795796968
46.645498555	44.2718370517
14.0556213349	15.8813920364
122.7768939082	48.1525266423
11.8600565397	7.5043538579
60.4657630478	141.2648029158
113.3601348053	0
2.0468415459	3.2378056546
5.5663768289	12.0337714588
9.6520701047	5.234801558
63.990284353	70.1815044852
0	0.9089633351
35.1844124853	45.916714555
6.0248162461	5.1983907904
65.2588307525	14.9109970673
15.6939675494	10.7577488627
0	2.3228823083
0.7244918975	0.5500995933
0	0.4496228567
0	0
0	0
941.3727263002	1853.5833947558
99.6451865515	40.2817384112

gene_expression_table

293.4609508404	106.9545706847
38.3204194764	23.5639201013
1.0793123138	0.1517613437
245.6209855034	107.3101302661
1.2238094374	4.6461325251
15.7857698685	20.7549441801
12.6402869477	2.7421845506
0.7902971921	0.2692598947
0	0
4.4942582869	2.2873280997
42.34233566	17.5872334715
1.6384945032	2.1344729567
0	8.1997258506
920.1225305451	514.0702235166
0	0
28.3168407957	37.1617029048
56.2040682253	28.0757880656
6.1486685695	5.8357796878
11.4259916238	10.2420790084
0	0
0	0
311.4547864984	155.337900687
0	0
268.8684459877	311.6295809851
6217.2182955077	10779.3222508566
11.0911389985	4.0937327475
4.8355630784	0
10.2995747878	24.9817251616
139.1717701208	48.2079198529
0	0
26.8492369568	28.1525956047
1.3596586557	1.6250354846
2.0958102921	2.735095349
8.5631113381	13.2834239671
80.165145194	28.5898010263
0	22.7339294785
268.7591942827	100.8184304816
16.1409030593	4.4681982236
0	0
36.8885168623	43.6808413662
96.5790214403	37.3305424388
2.2869949474	1.8691415954
18.1258257956	6.3196355124
33.1172466889	12.0892310861
11.9068307751	6.129315151
504.1819911213	260.6308982621
11.1740084391	6.0097231492
67.4832038046	19.9264080168
4.2645800985	2.6983782081

gene_expression_table

41.2299310369	12.2333099503
0	0.4808543436
157.0954104079	75.2167159756
177.573854866	214.0793289641
0	0
0	9.2552513742
0	0
1.499263029	1.1858080375
0.9428708768	1.8892138342
23.7292186891	24.3985124758
129.5995455116	64.4967835456
0	0
0	0
77.5666014387	18.8767820016
103.8277871134	114.9683217192
1.6594527432	3.1500154878
0	0.4216547252
92.0919295098	56.6812226841
363.3734004333	510.1655518346
3.1908434474	4.5427052622
0	0.2129740937
7.1097249296	7.3102580691
0	0
5.0892980969	6.0110619936
6.524461743	1.1795142433
7.7294618795	4.0015258698
2.6047770212	0.8240756873
6.8052786809	7.6550835097
1.1121737079	2.1111564757
3.992363184	2.3456969529
1.137160341	2.3384689677
7.861317014	2.9259906469
1.4225205562	1.0286722942
14.9455064519	14.7669181267
0.8302696689	0.5910146417
2.4221716509	1.6079835475
0.7593979654	0.6967291426
13.2892627208	5.1935917702
3.7332174589	3.6219830216
16.1178189702	11.6050966206
0	0
3.5650851148	2.3184389865
18.3621599271	14.3968451875
12.241353632	19.2304960812
14.3912176905	6.2534668355
5.0521876897	4.1696484461
3.0032850836	1.9003040945
13.295664972	14.2369164587
1.3278830254	3.2032896952

gene_expression_table

239.3264949088	87.3978301557
0.3264741454	1.6525907809
1.1630766204	4.2315815564
0	0.2791968899
0	0
31.9962106401	22.8576428578
15.8082909958	7.5240547823
26.9834622125	17.2924570741
0	0
14.9474777212	14.1868415711
0	0
0	0
21.9411484499	8.3876956068
0	0
0.7142620038	1.6571259692
0.337204346	0.7112109812
75.1088878311	80.7917095048
4.5588653237	3.8714164147
16.5392846211	21.9036917905
20.6568004628	13.6150225941
27.018019813	10.4778449607
2.0903431687	1.7635300776
5.2009619393	3.7396206432
0	0.0743554322
8.9695866734	6.5715536182
0	0
0.1640624104	0.6228548971
55.6099459163	53.7498215458
0.5721119398	0.9049978868
0	0
10.5007839216	4.4295234776
93.806560382	85.3232933672
0.2443088367	0.07729221
22.7997868187	26.426302441
24.2026085277	13.8555263138
1.550234071	2.4522448507
4.1056993449	5.0280923413
124.0557822028	95.5888109868
31.9675868671	32.2346284597
0.1137902994	0.1636360956
1.0725075246	0.868634076
0.0323033505	0.020439681
1.3433370674	0.6071325371
0.2211003877	0.4796553036
1.5248905348	1.2663814076
10.6910468488	7.7310543187
0.8385053538	1.2379672913
3.9642541323	8.4029705143
1.8378609349	1.162891488

gene_expression_table

7.0883158448	9.6820643498
14.2437801984	37.5526480155
30.8046252583	12.7662806389
0	0
0.1931054978	0.1221859257
1.9001172595	4.7289824299
5.5054117813	3.8130249942
0.0803319272	0.1270734263
21.8349997361	33.4311093813
0.9264301573	0.4244832187
0	0
1.0887327192	3.4444336559
0.7378626916	0.7003148827
0	1.6058938715
111.836815759	80.8409591374
0.0993229235	0
1217.8651727917	1789.2201792616
192.6304412877	163.2950997249
3.6102806257	3.4748248009
6.9226830301	4.3802711167
3.2115659013	1.5240690599
0	0.0778354291
0.2791515199	0.5298925291
35.0584036741	29.8322006549
5.4384812595	6.3529007538
1.2299390225	0.9124121184
29.1039046777	26.6363551109
0.1305832212	0.0550836441
0.9132353047	0.2889210881
0	0
0	0
42.7581877838	25.0508276947
0	0
4.2337166178	5.0600492312
1.1436561459	2.8041014374
2.5850193226	1.0330420119
6.3322169411	7.0887035426
1.6655635356	7.2014567298
0	0
0	0
16.619865532	9.8669431077
0	0.1453841293
54.5476548843	84.8803075205
0	0
2.0195574583	1.124515461
0	0.1202782795
0	0
3.3724420611	3.8884129497
6.2243769093	2.7983536284

gene_expression_table

7.5430985077	11.0457014047
5.1066467195	13.7750688156
0.8696484902	4.9523667806
2.0569177988	2.5264371554
2.0395060309	1.51297746
1.3375857519	2.5390393621
8.1624307509	17.3267735819
3.4960051288	3.4287064489
14.2996024243	10.9039476745
115.4131074547	127.1583807876
5.6642358204	3.8911988367
7.8265678528	2.8988469377
44.2446793623	45.5347832139
5.7212986998	8.1452362481
30.0927595005	31.3823026296
3.6063868028	2.2275805461
0.0784001708	0.2976424045
1.4776197154	1.7886034438
1.4867547088	3.9393148003
1.1268215775	1.0694807175
0.0138702595	0
0.6565894597	1.454080653
7.1947996187	10.3545936683
7.2565140207	5.2802249402
0.3717501485	1.1761093429
2.1454276352	2.2770998007
0	0.1868624656
0	0.0283444819
3.6347815872	3.5013073338
1.1383382843	0.6002285393
0.8258465556	0
58.7499526527	33.472289652
14.7005516405	17.2309326734
40.0464879959	74.2073292272
0.2258563144	0
0	14.9285085142
2.4480389172	3.5110136721
0	0.7613917132
71.7736359398	95.1742179478
0	0
0.3931143749	10.1983362385
0	3.2409212593
16.1179756402	12.6792378163
95.5041563172	101.2478742097
8.282540535	8.7817300031
1.4252850976	2.4048999958
1.7838857588	1.6931087046
0.811961312	26.7156180215
31.1690474202	24.020335957

gene_expression_table

8.0334898621	3.9100962019
46.6877754419	42.6707787844
0.2786073587	2.8205844725
4.3986383587	1.3916012384
44.5926324842	42.8099119782
242.4102536668	267.0002234487
48.137052252	32.5589006855
0	13.8180267229
120.2268901654	176.4676908811
37.820552525	90.2964474511
33.0187708467	30.7887372675
24.8556005344	18.1262391937
283.0740019971	132.9893036393
1.5206547278	0
210.3407146223	103.8610210737
0.670780019	2.6880603119
63.9072643206	64.2231517716
5.6560970678	19.1330784118
4.364668292	7.5946975354
4.6565850757	3.7321271286
23.5526972401	59.611106846
3.6515802671	2.5205537172
27.8296729249	24.8597620597
3.225222513	2.8570264651
10.4375439891	8.5855518657
0	0
193.3155683993	292.0306032293
63.1163902336	16.2241544351
0	3.191830611
3.1675436682	18.0381363447
15.5455135239	9.3891922548
12.0875943979	33.5676555381
721.006887362	349.9229751158
233.4320961236	230.0746606313
38.1776621309	34.6594749232
18.1736421065	14.5656831407
2.3239371186	1.8714846451
88.767723438	50.2099400812
7.5165970129	7.1340980041
7.0064737529	0
0	11.6061401505
11.9108768031	8.0748321046
3.86963247	2.098695706
226.6373756351	114.4761726068
378.6178015586	495.7712593612
4.159799104	6.5027831403
23.6413011823	51.8884767075
10.7410277472	11.8935206842
12.2056062344	9.4392192931

gene_expression_table

27.1613100044	12.889572712
3.2203498143	9.1694251307
24.4763450662	15.4872073257
29.0816274002	13.6304904364
13.1738463691	13.5840118519
15.7289095891	39.809356038
2.7145406434	0.3816896466
2.4696210422	3.9065813331
8.6400300072	7.5929283094
12.2356719487	20.903457884
6.562400834	7.3931293072
9.0555554531	8.815121097
3.779773167	3.7490268614
0	1.516583649
12.2528872049	11.401344487
31.6727316917	66.8022071859
7.2730854801	5.5781641255
6.2375998673	0
42.8175872147	46.9971564337
4.1277009361	4.6431449541
5.7118227122	8.0313536565
0	1.7746230629
120.4180805552	211.6487678967
22.4588255962	22.5698374075
21.1601375834	19.3711804581
0	0.3501897422
179.8986387968	88.4776355669
766.0990201088	266.6085920251
1.1866887058	0.9654011759
0.8873760362	1.8248097904
0	0
116.7493565721	11.4326025856
6.3880070291	10.1048981159
12.7592089564	34.1927373255
0	2.8903546704
1.5345912577	2.0229168291
2.2379369031	6.283661026
8.9367955978	6.8362602268
43.1163563107	34.4147641406
42.3920091565	45.1523822498
3.8214832543	2.6866803343
19.3672968982	17.423062987
23.5766524707	16.4097276067
4.054649477	1.5017832134
1.6113921609	1.3764535496
1.1571292262	1.2690843743
0	0.2354370865
2.3642135419	1.7808771415
5.0627371827	2.6695046507

gene_expression_table

1.988748112	1.4224985662
2.0807747096	1.9748897908
11.5250377267	3.5988336465
3.4511090451	1.9937774773
3.3493150306	1.9018925654
25.7090975874	18.4157223506
0.3675066271	0.1550245434
2.4637152126	14.030061011
1.4085412365	1.1883239428
2.9921946684	2.9378587111
1.3156292757	1.4783229024
3.1852257653	0
2.1602549297	3.6222416822
11.54636407	20.1641943306
0.5904200226	0.2988667556
0.7529094004	0.9623224865
206.4640168	222.9862676893
69.6832747347	97.1574260228
31.9698341845	24.9883339962
2.2185993355	3.930641679
5.0935178831	3.4243119311
34.4365436503	29.2674747948
1.7361759239	1.9529797835
83.4806176533	51.413100539
7.1280690366	6.6150002365
4.3536674729	5.2733738169
4742.2156115659	2828.5359029113
472.1949732884	540.5156784136
363.3482126967	307.4987565675
1063.5271797799	672.9381321094
218.3376662297	49.8250857418
22.2292773496	11.613315289
66.0502158269	37.4807855387
0	0
3.2887811341	1.4566645712
6.022642164	3.669637702
9.5164163887	8.1057774862
1.3687912906	1.4434858395
25.4231670267	27.1169077101
0	0
0	0.1956808701
15.3259375252	9.091276621
4.9091095339	9.3185968244
71.2408322056	52.1725166835
2.1291889875	5.9277985035
0.4731675956	1.3472681827
0.3796655558	0
0	0
0.8752718368	0.7384281363

gene_expression_table

9.7599001546	5.9938648005
0	0
0	0.1762289436
15.3920853299	11.6870594544
19.0855148864	4.0845982704
3.186917705	1.8331783046
47.3360444079	28.2187641481
18.6012643046	20.0378378894
0.2842900852	0.1798822283
1.232103143	1.8190741223
21.1278226325	10.8085397984
0.7165665645	0.4534016381
66.0334162807	62.6731568129
4.1606693469	4.4114332652
2.8284688198	0.9942725179
29.7414864794	22.4100341571
0	0.0575254329
1.7490577133	1.0144768106
100.8850542036	55.2849712759
5.8201284913	4.2964118658
0.7002108596	0.4430526994
1.6938948508	1.4290641663
79.5104634249	33.4055717381
11.3894266778	10.999496479
0	0
31.8972211008	28.2557883928
29.4492792988	29.9602126969
1.602245067	0
182.6518796096	204.7266292152
10.4445983698	20.5605066104
3.9954864419	4.4944202594
0	0
9.2835387501	4.1336141609
0.6395056351	1.1127654029
4.2660189569	10.7971545362
16.1959689131	14.3470137721
0	0
4.7177725384	14.1793771005
0	5.6015313007
0	0
118.9798624379	39.3790802028
0	0.7982182104
0	0
0	0.2349251745
225.3509257091	122.7347981956
71.2432693789	41.6276034814
0.2508404605	0.4761517547
10.0545987417	13.7284511994
0	0

gene_expression_table	
0	0
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3.4362929434	1.0871431397
0	0
7.2217352344	8.70379801
0	0
8.0509793935	3.1583986807
0	1.2450323829
24.3217309596	27.2273584464
6.7520059732	4.2722766037
21.2646200292	15.5250167931
0	2.1039640832
3.1708286225	3.1403205385
2.8101922046	2.0588829142
45.7225704081	74.6008738649
3.8429974936	2.43162526
435.914302922	232.2704951442
20.0976452761	15.1388343038
40.8798356775	39.4802672089
0	15.739514007
8.9987490821	2.2560676201
10.7223963027	18.6573987589
221.3244417956	212.5331637592
0	4.624342907
1.4705510809	1.0855590427
0.4666662742	3.8386305299
183.4897968677	51.2656722609
1.6445888973	1.3874669141
17.9995854956	7.9913905641
35.3823734375	34.5994936503
7.4717073543	7.4647291127
3.4166102763	2.9853873688
18.5127336029	13.6031004064
3.099836504	2.5334701133
0.0683964003	0.1731090534
1.4514220734	3.1224765513
0.14939366	0.0945276175
0	0.079616281
0.2302353673	0.4370386417
55.9131890204	46.0813872578
0	0
14.7585594489	4.9375225614
0.3549475028	1.860889664
41.1795749366	24.6243890075
215.9599196591	102.9802531636
5.056180425	0.7109459658
156.2536093427	39.1126923073
1.4435921225	0.4567105594
13.4008821745	8.9931955772

gene_expression_table

6.5271011426	6.3826807701
1.1586201794	1.8045721859
21.1203513228	17.8938075763
53.7313463522	46.8219038677
2.5144974713	1.1551297196
3.0904216921	3.7544430172
0	0.282892321
3.0492607875	9.2610952582
269.0753815701	126.5410633472
5.6625091586	6.5335351952
2.5842798843	1.8933686069
18.3895859918	10.0156771866
2.1760601274	2.0981093537
0.9563644262	2.1179612141
0.7190086852	1.273851236
12.1607786727	9.9449506247
0	0.0484139876
0	0.1564257411
1.0870319383	0.1375621152
0.0432634091	0.0364994247
16.4755287268	15.3889257714
2.1088501189	0.8006146078
0	0
0	0
0.9297994136	0.3922153206
5.3265834269	6.154556074
3.8147077739	4.4826324605
2.0958053576	2.6522074271
16.2077401056	18.6754685614
0	0
7.189265823	5.9963421279
1.4818910345	1.562757404
0.9561425319	0
0	0
16.6997088717	12.3954396859
0	0.2050898868
0.0708436361	0.2241286591
1.076007523	2.2268977056
109.153408315	57.1438325701
0	0
0	0
6.1149708362	5.2405590815
8.0160499954	4.2124138362
3.7932126422	4.2668876482
0	0
1.2188188633	1.6475586711
1.3800615899	3.0038860655
0	1.5922121843
1.0762065669	0.7660810245

gene_expression_table

4.1562582923	2.6857924805
18.2327188674	12.9786793535
0	1.1779157448
4.7628211645	2.1525972651
92.2046112724	74.6231229521
3.2724696751	1.7748243815
62.2357120401	64.8482325873
117.1841036683	65.6848222346
0.4100915798	0.6555337161
8.4988012858	1.3443867658
29.4830492701	32.7182779794
0	0
1.5631066273	3.1649374244
0	0.0408393814
0.4164451183	0.3829565968
0	0
0.9549193415	0.4531630575
8.5065076054	6.5089768617
11.1503250841	2.939698783
28.5033459049	15.9935317422
1.0401685194	0.493618598
53.5506745833	39.0340820033
0	0
0	0
0.5683405684	0.7791611756
2.596931219	1.3350894434
3.9089902219	2.9424712371
0	0
47.9096184161	23.5778818695
344.2225602068	243.1122247337
7.2475805704	8.0252329157
0	0
4.2432425609	1.1932786914
0	0.1145488133
6.8483975562	5.7570555127
6.4342748512	5.2586783256
0	0
30.1567396013	27.9860981384
0	0
0.175879516	3.2273034681
0.1271186359	0.1608665562
1.959051807	1.1018435751
91.3661473031	36.3554862688
18.0518274007	17.7451201019
11.5167149174	10.221512857
34.1636321871	14.1663227041
0.557541397	0.41157639
0.6709763877	0.6098151141
58.4858411115	36.6605834696

gene_expression_table

6.6685493383	11.2219949467
24.8768630663	15.3702640098
772.1631980959	903.0051457801
7.1205878941	24.36304056
6.2787825988	18.871029808
5.6733285625	5.7748188961
0	2.4522064143
2.1136092007	5.0820020094
3.7969081977	0.8408619221
54.0509349392	47.569490644
1.4258933298	0.6766667643
4.1800639234	2.806834021
5.6554999712	0
8.1421550322	3.8639115456
0	0
1.0133306077	1.3739499885
0	1.8132912521
1.549918252	0.4903490542
0.074131576	0.0938122979
3.9146043984	2.7309784509
21.4083452603	16.5561678571
31.9569271034	16.3855650098
16.1689541426	4.8929786805
36.1161242242	23.2461856163
16.6242800587	5.6977252353
3.0074508812	3.0782852438
82.3292623975	151.2842687311
225.600783522	271.2193992113
7.4342807402	3.1661406452
147.8871338653	87.2895293415
0	0
2.778347803	0.6114702151
0	0.6810498399
2.315223478	2.4024995275
0	0.1647682716
0.9556399525	1.2093467413
5.7394155635	3.8596378032
1.5539118825	0.9832250454
5.6320260393	7.7607690749
2133.9210091332	3190.8556367999
4.8924458757	1.4567788931
6.7872810372	3.4633843647
39.3428846741	16.1078103849
5.8338606073	8.9207084303
29.1548474881	17.2443942296
2.193174195	2.0815695746
5.7754060005	1.1244126005
17.3593020529	9.022535711
1.0939533367	1.6810329403

gene_expression_table

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0	0
45.9497029959	32.9025875714
5.9839898049	8.8347481817
10.9685951247	3.3313386875
15.0035472536	9.2913852827
16.1712530242	10.2322282034
2.0244519121	0.2561910808
0.7317359589	0.9259998968
0.0355530205	0.2024629489
0	0
458.193186161	229.5730724059
1.3191019143	1.3657924749
25.5015679886	14.6348939843
82.6829007979	42.1313328594
17.4518957326	9.3436914255
9.7145057947	8.8359878506
1.2674369886	2.1891351386
29.3714264985	18.5845301005
2.2682156266	2.0749805818
0	0
112.0463169236	76.9852226641
6.9046827229	4.0328137564
1.5170826127	1.782711591
2.2161733328	1.0516991747
21.5112873447	7.3290491519
7.2231162138	2.2529981909
3.1083446875	3.9335594007
1.5653232384	2.971336463
25.0838776237	26.9474963056
0	0
7.8398750337	2.1259786551
0	0.752118947
2.0865899878	1.5532620749
23.3661660086	11.9177457301
0.4772329052	0.1294136661
0	0.2941909914
345.5475355064	170.0551839449
0	0.852314062
1.1653670422	0.9778253226
0	2.6454306599
32.4641763199	20.8986847511
23.5372164436	3.723245341
4.824499918	3.9505049274
8.4101516578	4.8587195413
2.063539475	2.284953545
8.4285358955	5.9256524576
74.1842058653	27.0736902882
0.4383331302	0.8459227038

gene_expression_table	
0	0
0	0
0	0
0.7029820166	0.8896122528
2.4231522809	2.3695369703
0.4628054856	0.7320909727
28.8404112061	25.007251
1116.1878681246	508.0106814995
3.4670376689	5.0624763535
4.4380150096	7.5468164018
6.6300981071	0
12.6746248215	10.4950014798
3.0391544947	2.488588457
12.9319277584	29.2234700443
11.5723487931	5.4917318492
0.8921402651	0.8467416935
3.3905856529	9.1178028005
5.7112930831	3.9246363089
11.9242623087	4.2540842051
2.9608518299	3.5307417385
6.0160208939	1.3323058207
23.989663088	9.0126875731
0	1.0657409348
0	0
5.8149331044	7.1213252972
120.742637933	38.3771306368
56.1185789242	19.5297147245
3.8634134178	0.6111358173
5.3751838857	3.4011036789
0	0
426.9399234601	233.6817633615
0	1.2060651344
1.1354631647	1.1974250645
0.2865236613	0.2417273404
1.7049955781	0.5394110096
0	1.4191833203
97.6662773167	79.8218210353
33.1826919321	35.9932751294
832.2235126248	445.832375239
0	4.4278519593
91.8749498338	80.8413751823
3.6529861924	7.1268079157
1.2610080515	3.9894626996
25.779771657	7.8348687467
2.8508440832	3.7955974587
10.9791907367	6.3867518306
44.8132856835	52.0333275837
212.4180231605	128.8822435986
8.7839162578	4.7242585472

gene_expression_table

6.6023620491	6.527485365
33.4057814105	30.8251346714
0	7.4595090224
0	0.2352954515
21.9427710759	19.0906499947
0	0.0371458211
0.1969339557	1.2460835117
354.9245733289	225.6501479268
13.8304013073	6.4481593535
0	2.5072238659
0	0
2.1886444477	1.3848468892
481.7860851691	482.2112750217
126.3785163933	95.3968105057
0	0
0	0
0	0
0	0
9.0177482383	16.8583601338
42.5103576368	67.7255264071
9.3994200672	25.0640691445
93.8467023573	30.5636131002
576.4458115469	485.02842643
241.2205456945	186.8082862176
39.9663457015	17.3547696597
7.5131710343	1.188474394
0	0.6194598085
599.4829969454	178.9235695669
57.6413788559	55.4376093875
2.7095827594	0.8572331745
16.5434536826	15.7016026926
2.0227295381	2.5597311719
0	0
50.7370298372	42.0402203811
320.2829776426	560.6828085505
1.2902236419	3.8097661748
0	0
1.046640953	2.6490140405
4.9345106318	3.4344984065
3.7261662927	6.4443834777
35.7723464612	16.9436596966
0	0.8856038109
33.544258798	34.195600751
0	3.5279036958
743.6197100659	284.2979380535
9.4193698568	17.8800879119
0	0
121.8422102859	56.536086121
0	3.9289495035

gene_expression_table

8.0963877608	9.2543128664
0	0
150.309093459	356.6506897324
4.1965115197	3.2680718414
1.4184170419	2.6924753768
0	0
6.3042441279	2.6593059701
51.9757366102	47.5641649267
21.3089948704	4.1035498524
22.9646350191	32.9734778328
0.8158191195	0.5162028812
44.8202644242	63.8092261207
3.1139120797	8.975822146
0	0
0.4102376871	0.7787236323
0	3.5929351743
8.5336440956	12.5172396315
53.2745438654	27.580117323
50.6232585897	81.222613449
35.5256406236	77.653203118
171.9916407268	249.3936160702
1.8590861559	1.3443675122
20.3749259686	12.1553783128
214.3130760664	299.1283402157
3.1172271652	1.4793000116
0.6979970041	0.4416519005
1368.505687985	3073.3350689491
8.0424511557	8.0572591423
0.1573241235	0.2737502722
0	0
0	0.465301855
4.7003520504	2.0728640922
0.2500827263	0.2109837353
0.5317582249	0.985363752
0	0
0	0
0	0
2.2326362951	1.4534328242
0	0.1475839269
1.5715989809	1.6063649739
24.6577765191	18.0192188842
3.10203099	4.7667629882
0	2.6419255949
0	0
0.0166285434	0.010521575
0.3084715539	1.6590542672
1.6582521376	2.1620816142
0.0305811593	0.0193499786
12.3848885885	6.9492932312

gene_expression_table

1.4202298065	0.7582264911
0	0
0	0.2885321159
3.7146852981	2.8490142628
19.2341924907	14.5674541147
0.1284699781	0.3251533154
11.7574160124	8.6229512284
16.6453391408	14.9489323245
1.7221046346	3.4575357646
0.8725299608	1.1041724052
55.246988045	43.874702725
3301.2106050426	3510.7296269703
4.0322644935	2.5513824075
0.9853486311	11.5342189441
0	0
1.3707136082	1.7346156689
2.5102632269	0.9373860257
52.0617192743	39.5299529215
11.6500232676	5.4315999104
27.2711535375	10.6014794605
1.9535974662	4.2381354254
15.9914617602	9.1548032503
1.291646523	1.2259181736
2.6136654989	1.2328144533
6.0203567226	12.9517271655
0.3834564313	0.4246006159
0.2802367154	0.7979287124
4.3583777099	3.0821664545
1.0617783965	1.612395849
4.3014295223	4.8601685356
0	0.0546862396
29.5001948728	16.7401493475
14.1048749994	5.6793827963
11.3968230167	11.6489368665
3.5275602826	6.6961048272
4.1088304357	2.5998288818
25.1573919044	20.2037856483
3.982008004	2.3004888485
1.0211103136	0.2153664022
3.1126489708	3.1183800673
5.1887825138	2.0519748338
0	0
3.6051915715	6.6913894845
0	0
3.7918525057	5.737369686
1.8202183358	0.7329179948
0.4027404286	0.1274153576
0.2887049399	0.8220406118
1.0613773126	0.6715778212

gene_expression_table

1.6361729668	8.2822005945
0	0.3869478859
0	0
0	0
1.1789450386	2.6108874369
0.4789881225	0.3788447755
0	0
5.2032503944	0
286.9197460909	143.878391342
0.2821490047	0.0892637385
2.5228983896	2.5655517956
37.1348159828	27.0212640595
0	1.3583625862
41.4320615021	15.4737151191
0.684977077	0.433413648
2870.1062252469	2495.1633934958
22.4470010364	33.4074243828
0.5454294876	0.621208892
37.9354339836	17.4183499115
0.4101832428	1.0381603798
0.2814598516	1.0431068947
0	0
50.6309441173	51.0958966379
6.9018411372	1.0917708948
3.7665590424	3.4046563638
57.5177038667	44.2435125534
32.411398819	14.0992828242
0.8414731103	0.6655440428
0	0
47.9748991988	19.1373051613
61.5403587385	38.3042815043
0	15.2426704237
10.0750280058	8.5605687736
1.9844178069	3.1390603778
18.9146281914	15.1510754706
22.8164243246	11.8892167396
5.1910413202	3.4778000915
1.3939477886	6.1740635055
1032.8339047944	733.0836043886
3.450439	1.0916185405
0.7945833882	1.2569153643
22.2162933744	6.7474454814
0.7488217893	0.8291690189
24.276726435	26.8815754689
11.0923452126	17.0147655497
16.3561634018	14.0453818529
3.3419808549	1.4379355317
0	0.2729808229
0.4048487114	0.2561647138

gene_expression_table

82.8534806693	110.4666752576
0	0
23.7171413324	17.4569216312
2.9183194907	2.3324751283
9.7131701265	11.0626722428
9.7135517085	19.2067827084
9.2008853414	10.6732725225
2.2259493945	2.190924228
1.5156212991	0
1.3000687934	1.6580690589
6.0986934855	3.4730086193
0	0
15.0561309381	13.7080214184
6.4348488172	6.376276121
0	1.2819630386
3.2319830859	6.0420776195
2.8315063298	3.4040637343
24.5894142851	18.0682269096
7.7095298136	9.0058005952
0.4206220379	1.4637983648
0.7870267934	0.8991391719
2.9764356069	9.4165765378
16.2060787564	63.7229256692
1.8553576859	1.0405575944
152.8132352821	80.926435783
12.1402452802	4.4472658385
14.7692486208	16.4913906599
0	0
3.3868052491	4.2002277566
0	0
3.4551672907	5.4303104149
0	0.2674783629
3.719118762	2.1722233891
78.364790613	51.9899079392
68.7235595747	15.0987051139
31.0314330748	22.252870456
0	0.0203366639
0	0.6503606968
0	0.00684
2376.9916700366	257.7743603025
24.3964932156	9.6479260748
0	0
21.2713746335	6.7296442373
0.1158379677	0.3664776372
96.993360399	106.2203472438
5.1742143989	2.5918706537
3.9603718061	4.7969949744
1.2314894847	0.779214908
2.7108700662	1.2864606614

gene_expression_table

9.5723538706	10.6715553084
0	1.5792473341
0.8073745592	0.383144741
14.923477497	13.9155703253
0	0
2.0999189679	2.3621450078
2.6989352941	1.9923507943
4.8254968529	10.1776456694
3.6330524188	3.1117688961
0	0
20.9385801833	25.0483527532
1.3297278363	3.0850395481
84.2009273544	162.0338936068
0.899645098	22.4851018213
0	2.3883182764
0	0
58.4075099386	4.1063194023
10.3311333735	6.5369402185
16.4400570971	12.4827741406
0	0
0	0
76.025543132	58.2805017824
4.5037404866	4.1271589501
99.3935434363	17.2302609283
11.1362820878	14.5277454134
4.8003361748	7.3764784693
3.3596928085	1.5353131228
5.838209115	4.0924601894
1.2484657956	1.0330200777
3.2244167498	0.6979711458
7.4353010727	2.6659547301
2.6891962156	3.5614191557
12.8299324792	4.2909613217
0	0
0.1537447512	0.5836844099
2.2103713874	5.5943777309
0	0.7060052763
17.9336949002	20.3058717125
7.9399985354	4.004613122
0.5975184811	0.8401665247
0	0.2027825192
210.3838989899	41.1457777985
1.8662424239	3.8377613404
12.0132603796	11.8062625638
79.738426122	54.8411277444
0	0.4913346185
26.8315889769	13.5819749309
14.4279188178	14.9489794085
11.6598582903	8.4764834635

gene_expression_table	
0	0
1809.894825897	2694.8257330411
48.225687601	26.2197891103
0	0
0	0.2656300201
0	0
0	0
1472.703643452	2110.9414813331
0.2884374352	0.9125321504
13.6790006325	7.6565901914
6.5850119815	2.617960079
0	0
18.6888813663	16.7283839969
5.1128713553	3.2351275688
3.2823855812	2.7692035382
59.8978824467	87.1697599872
0	0.4171130672
0	0.0367345007
0	2.6457885617
10.9665194592	24.8646624662
0.3584079242	0.2267796852
0	0
116.1293581298	67.7926034292
0	0
25.5676656125	25.4221494738
26.7359185852	21.1152971888
71.1344307864	35.3466239563
21.2986926088	11.0262875729
0	0
7.4368607737	4.2833142903
35.5554883149	14.6612560837
1.7853332899	1.2910343427
158.1597174918	184.2004469519
0.8641170712	3.5539596002
0	0.6051317755
0.5276085241	0
38.3808207611	33.8049297709
0	0
0	0
185.2380240284	62.5108511904
6.8351142351	2.2762435144
0	0
32.8060837022	5.0321894252
4.7632143853	0
1625.6440874958	1770.7946914028
5.7507316667	5.8219655495
23.1819293775	23.8357866114
0	1.7849896088
7.7302778525	11.1800460369

gene_expression_table

0	0
14.984032175	5.5498676562
33.3229805538	14.261468583
0	0.5445478282
78.1396093236	48.375101435
2.0627332435	2.3493196865
17.6262848718	19.3963264604
0	0
21.6422048275	26.9156520767
0	0
36.798084501	16.5197110746
0.2534736322	0
0	14.0390137499
14.7556002737	12.2092502612
2.3995114649	2.8341063729
8.1078315773	8.1761991543
3.1243587003	2.1329844705
0.0969854002	0
23.224934483	21.5838503985
9.512867757	15.6498922744
91.0766661234	98.5253180745
36.219500792	16.5515950519
0	7.083066336
6.4045890884	5.8825907548
37.7237858732	33.1519683907
0	0
6.10213373	10.2962006732
0	19.3467562938
0	1.5620864583
0.1379113263	2.6178679426
72.192250727	45.0446253661
1.0678558336	0
223.1574537366	208.2715565101
22.0065960492	15.7407321413
6.5366176967	3.8602586697
62.2861264836	26.5195766657
0	0.6395142627
0.8820578579	1.6743447049
0	0.2868130256
20.3497622237	22.6732131746
0	0
0.4968621066	14.4617301353
8.9090319276	8.3073305363
1568.8988498738	1571.068196851
0	1.0113171896
261.0441115175	419.6705056195
5.6341148268	5.7809839718
6.2985851592	6.6422971482
6.7721428139	10.4744885059

gene_expression_table

25.8518369965	9.0875214469
2.7395147916	1.3482043538
3.9901849178	2.7351533082
11.5182511835	41.9064560436
0	0.6062103581
0	0.8451838185
1.4691427828	0.6561798284
11.3482043329	24.2341320041
35.6064174326	7.1146325252
12.0453633576	15.2432104652
2.1090839659	2.6690112889
2.4033676005	1.3306223083
2.2134619725	3.2679499421
12.9427585186	35.2145261561
114.9757884499	24.8881546743
55.148369241	25.9352351185
0	0.3867948211
82.4823299266	87.9774626814
67.8180537624	112.6422132277
15.6668975546	6.9758861714
3.7661914676	2.9968368273
16.186073497	25.604014341
0.2987223442	1.1340847332
22.5035002089	31.3255929004
2.5200739815	1.5945562184
0	0.857358446
0	0.2417049333
1.9940198285	3.1542493796
11.4009808394	10.3848126072
3.1156559821	0.9857029311
0	0
14.2219768115	10.3571550215
0	0.4556464621
0.2397123151	2.1234641188
2.2899148116	2.6908604996
14.6357362012	8.2772114215
3.2543350318	1.1231748533
0.5337127844	2.7016192234
105.9310011321	46.5919218708
0	1.5855961207
6.5207837331	5.1956692262
0	0
1.0312748529	0.5075239057
6.0206468231	4.2105166651
1.0936961851	0.9688382532
0.7457911749	0.6170912011
1.0613693891	2.2483089648
1.6761441419	3.0616353931
1.6921787998	2.0985961227

gene_expression_table

2.1147902708	0
1.8852166515	5.2381912392
0	4.6128688394
71.9334798818	76.2809588214
0	0.13905499
4.0082711586	4.8486192165
0	0
9.837045723	5.5145205247
0	0
0.6320943624	2.0997508482
11.4600439876	7.8360273444
187.8157725556	67.11446862
1.7171680284	1.9557432678
0	0
8.5521049647	4.8701470776
23.1711373064	29.7956422656
0	0
20.3059232472	32.1210174985
2.7291220611	1.0792685515
50.8108828647	41.6947529092
28.9415108732	46.767319189
29.9208541812	23.6652199712
11.5890126038	13.919992178
8.7556111452	3.0218407654
0	0
0.1489508788	0
0	0
0	0
0	0
15.1568323707	16.5547912446
669.0240215424	515.8414053493
11.9494712324	6.9938605034
29.7608845368	18.0352822737
0	0.3896462673
0.3157350837	0
0	0
0	0
2.8532016933	1.2035600372
0.8355584575	0
37.1218409966	42.4929069671
126.9539424826	96.8991916621
5.3019598872	9.8669758596
57.2041323743	33.4942945173
1.837260059	4.8680160213
6.5666002062	9.0829415408
0	0
0	0
6.1917811037	5.8766983433
0.1790793635	0.4532440154

gene_expression_table

2.9731071814	2.8218139102
0	0.2105776478
8.221454564	4.9758817485
0	0
0	0
1.2264804501	0.7760454823
9.3819198743	10.5821590643
126.2941518401	88.7091990475
29.9344381041	42.1432156822
42.4191951763	31.154034679
0.8887247428	3.2936665803
37.8755472238	33.2248186986
0	0
3.5266211025	2.2314406839
0	0
15.5376409195	6.9084918478
46.3097531137	57.8153325275
7.5174131827	10.1926752017
2.1813440012	1.799225253
3.7342015571	5.1551684078
277.5172596925	124.2473287456
1074.6534438902	942.7956418294
1.4878416879	3.294968844
11.2396219011	8.889723638
0	0
25.5312101224	49.0774619844
0.2528748082	0.6000167568
0.2056853382	0.1301457169
7.1532517589	1.8637135983
0	0.3130267492
3.0002101092	6.0205081625
0	0
3.2671572244	78.5561473403
1.3221434768	1.8590566238
2.9628907143	4.30088533
28.6134979988	16.758307339
26.2384807651	30.2947074146
2.8036773111	2.7292367809
15.0442117713	9.1945872176
1.0234231594	0.8299746525
82.6265146503	44.5618724592
0.6570361145	0.5820279252
29.9675831308	20.3663169185
818.3608758083	230.6115492295
6.3269820558	4.0033461932
0	5.0261270333
4.3623581288	3.5883203952
0	0.1299727256
0.5578936343	0

gene_expression_table

0	0
289.6466231702	233.6573634441
1.0240989842	2.3563282311
0	0.114641144
18.3856191764	62.1357768477
0	0.1155650206
11.0898124659	9.4495441288
0	0.1021445812
1.7361905114	0.9295510725
16.9846500245	15.1316330998
24.2618530232	41.4719336136
169.8398113842	61.9414894392
0.1113696575	1.0570236102
1.4120380837	2.0102750069
8.226938071	7.3060039801
64.0002222757	53.1504981657
30.0275015472	17.0996906036
1.7649110074	2.0571397691
10.1541240299	6.1913048572
3.5549786246	2.9310150907
2.4935302414	2.5244174139
2.3035071617	4.8931207603
1.5375515804	3.0781070035
1.1961032253	0.7568245416
1.5622525735	1.9770050991
2.0574321811	1.6568661451
1.8846235394	4.3487234604
0	0
1717.9646159215	2539.785214761
0.8022011801	1.6285058576
0.986665837	1.5607618638
3.3066928482	2.0922828782
0.1336185523	0.3381841884
10.1416629076	5.0739499349
2.4636080954	2.9192595037
9.0572916186	22.6873821332
0.0402103811	0.2629088306
0	0.3050436149
26.3640847214	35.4150732033
23.9207876417	36.0124869123
0.2502548434	1.7945960142
61.4205957688	44.7295506327
1.7372972266	1.698857327
33.643264427	14.1458875229
5.7107338365	4.0435892359
41.2647628071	25.6352152518
108.4232089538	81.3083252816
54.9538779621	68.4678235789
3.4274807144	3.2530656202

gene_expression_table

10.3802879404	9.8520635535
3.0838776728	3.0353530615
0.8765352548	1.1945672731
2.506913298	2.733713642
1.3092156028	3.1064830277
0.7421315994	1.0956813116
4.8087294901	10.1422809634
353.9300078152	158.498787267
3.5643998729	4.7612836612
1.3909795199	1.3038976658
0.8824198667	1.9193073615
8.5864472981	13.0886014161
0.068404726	0.2596951883
0	0
0	0
0	0
1.9718478983	2.6513001188
27.9879489727	14.9846620013
1.4681750956	1.8335048569
51.3246914468	26.8402991645
4.124554114	4.8010065339
58.1556547409	114.9922353214
281.67434121	125.7665181671
11.0043626057	19.8291866803
0.192257448	0.2635735465
1.2751065367	1.2909011859
12.4352900401	13.6630535825
0.5116539125	2.6978736003
0	0.1767299408
0	0
0	0
0	0.1405333948
3.5004885109	2.2936966048
0	0
0	3.033167298
10.6142817325	16.0874023946
0	6.7810610206
6.3441011526	0
1.3068168426	1.9293812491
0	0
1134.0126902859	2052.0811739069
0.1275474882	0.8877509396
0	0
6.6931859586	4.4275613893
8.3628192387	5.2915055343
3.000418148	0
7.3258664657	3.3109872435
0.6010755998	0.3803256739
0	0

gene_expression_table

2.6763435424	5.9526788696
16.4821391545	8.7603086439
64.6477969379	34.119221686
15.7235750428	10.6122278602
2.538948803	4.2634014774
0.6567987535	0.207792022
15.2556239375	15.5930999232
9.1859463729	2.798530464
54.6395756695	43.6708357932
7.2699749977	4.181833883
65.4686805777	101.1535145879
2.2937993151	6.427552277
3.04295632	2.6955680432
138.4704177321	83.1228957709
69.6332524871	76.8532918132
142.8608025652	172.3375796964
9.585242132	3.0970129178
7.6996270661	13.6624351683
157.5229085199	97.1795497973
24.40853492	34.7496772721
14.5634620533	7.6023020741
45.1438407449	66.0551665048
2.8147782179	3.4960918344
1.6135373188	0.5104762765
52.691464052	22.8617782605
0.6165431347	1.4044054688
0.157265086	1.3931147721
0.3063314073	1.066057821
0	0.4905643084
0	8.6287061504
6.7933124791	5.4446564132
0	1.3933601885
40.0011963403	42.5430633661
2730.6456001638	1306.7347230029
9.4902418062	6.1001883945
14.4880763853	16.0985185281
30.5194559235	66.3813436608
0	0
25.2759699253	19.0506799573
42.1158725014	24.2258856038
0.4313801227	0.4094283713
6.682132467	5.8780411873
2.6033295843	3.4774972103
2.4269577811	5.3747319621
13.3694799479	17.4982713273
0	1.7461023351
105.7826693478	66.9331195985
1.8627676731	3.0308169165
0.1262604982	0.0798902984

gene_expression_table

130.8514160546	83.4369871997
0.1653018176	0.1045933743
11.6892244636	6.1334849455
18.98483252	17.6183298682
3.7860541385	3.1941264232
0	0
5.6658675238	6.2738049072
0	0.1288933673
0.7138358414	2.9358796697
0.5975890824	0.7562392171
0.3309487883	1.4658359897
16.8166907076	29.9617559914
24.7011447293	54.2146459305
1362.2696211864	435.1095405909
1.8385989109	1.1633584363
0	0
0.9142821282	0.9438758371
2.4817558032	3.2476880472
1.2468955238	0.5259753022
13.6239284032	13.6323069036
18.535794647	16.8774142188
0.6105448633	0.5794759095
148.0505141863	133.825361453
28.2473486756	26.5120305815
5.1965739525	5.5378352897
43.7673408172	34.5313105161
1.8714688067	0
2.4166262637	2.2936507804
0.1608352471	0.1272089853
1.1986656094	0.7223293992
4.3890940581	2.3386639146
9.4752702931	10.1543709142
0.7083145948	0
9.5614253186	2.8088885206
1.7927672472	9.9256397242
0.0118473954	0.007496
39.0510858763	24.0228872643
18.0480626818	1.4274705222
103.6992257857	126.855352906
2.209093471	1.3222298502
0	0.3056538738
14.8163809236	25.3549620557
174.54753353	88.550873979
0	0
0.558179105	0.1177277558
1.4785291299	2.0978489282
2.1528816608	5.448873112
0.4692378988	0.4731946482
1.0410005841	6.5868461279

gene_expression_table

15.6530436318	3.3014451483
0.3004866669	0.2851957245
0	0
1.4807225723	0.7026863306
26.8610104493	6.8707577093
939.0348910904	432.8366351917
39.5629163778	32.759381187
0.6370998679	2.015598676
2.1253090832	6.9479884335
7.7593025683	6.1232530057
9709.761125766	6600.2668268601
0	0.6488502373
5.4314303182	6.8733862989
4.3895314967	2.3388969973
1.6007237294	9.4532186845
0	0.905386396
81.0303937819	139.1650100822
23.145119907	23.8657393083
97.3280275158	48.6939413566
20.3896475047	16.3417515962
104.0900415673	81.8572102655
33.0860595626	11.135603094
0	0
29.3978412623	9.6583381406
7.9300339557	70.2472985635
435.6075296746	800.9714728687
226.2736708915	142.1122768216
215.8239478608	76.0987883378
192.2190912311	160.5611342665
22.9313228642	11.5332774805
40.5893530123	41.3426920609
318.7939992757	96.922270464
0	0
0	0
1.344445462	0.7561661152
68.7153947539	44.4041918342
2.3623419625	2.9895051445
4.8501070761	13.8098952831
251.7491186952	150.6818085587
19.1524755027	25.24702576
39.1884444116	26.1012294343
84.7521132159	38.3747169808
136.8429314374	56.4181878419
2.3852725189	1.4741625853
89.1503366649	68.0435335795
19.58546887	10.8008423033
2.7291220611	11.2243929359
7.141827169	2.9240153281
2.0375645549	5.8016354473

gene_expression_table

13.4933672609	13.7553732344
17.1951391533	18.6170322536
10.5585099886	4.2849338963
14.3737992586	20.722566125
1.4839306387	1.3145229794
16.9400022563	16.5966162549
0	0
0.3557415083	0.1432407024
8.9977605073	0
3.2119684559	5.9900747583
19.622415908	21.0310537802
15.3258450727	7.8569391138
5.6391795494	6.1896389003
0	0.0215645443
0.579863555	0.1467615704
29.0608783636	44.8488617215
183.1572943926	79.7213909636
8.1747984942	10.3450738893
1.4987838464	0.6897041681
2.001120579	1.6115179738
9.7259559948	8.0608983592
3.2330903336	4.1438771178
1.9356529061	2.5078594295
1.0909744914	1.6242475159
180.7279734967	90.2325701928
101.673803526	60.4635980511
1.5956962875	1.177941084
0.0128877642	0.0652370201
26.926092271	9.7355799147
1.6343052992	0.6401530094
0	0
0	0.0222141592
6.4005245841	5.0950098533
0.0971912622	0.1229939539
17.7359374963	21.5812875324
4.4321053462	5.844639178
2.2842187707	2.4281388786
16.7928863583	23.5637454654
9.2969238254	2.3415985991
4.1586689139	3.5422204618
0	0
57.7029444133	35.916700343
0	0.1147874987
10.3430417968	8.5805341196
0.2199472896	0.1590512573
60.6025634167	74.1351684256
4.8813214897	5.5595093105
32.9951237931	23.1707451547
0.2655609172	0

gene_expression_table

81.4598225834	47.4831403135
0.6390296353	1.8599675869
4.0629085773	0.6426930503
0.2337135878	0.2587906349
5.8122454929	6.5380459366
2.861439101	2.9540588659
3.3760029866	2.7690681691
28.0394905582	9.560836535
0.878133849	1.023532663
0.4972858048	0.2966733276
5.1800502456	6.4315846061
15.9795099951	17.3329789175
0.9080739936	1.4045200861
0	0.0368546103
4.5375660947	4.6082487605
2.2410653027	3.2723440542
176.3774255154	104.8574319602
2.5226242799	2.974680266
4.1315802847	5.16835023
0.1867962489	0.3545814001
0	0
2.6955806201	1.5315651189
0	0
0.2945727308	0.4970359685
1.2318698808	0.5066461404
5.7088502249	6.9664403476
3.7082661079	8.2813238
2.3823918433	1.8478284154
0	0
0	0.0294496674
2.547186944	3.7697664048
0.8387400122	0.746305156
3.4485781987	2.6184716091
5.1123939311	3.9652699464
0.9348695696	0.525805405
0.860641144	1.1128039822
0.5494849497	0.3283664388
0	0
0	0
5.2164231802	3.3006491399
2.3306634441	1.1660483826
2.3857106386	1.7790994309
13.0768570618	10.4413463233
0.0298624212	0.037790406
0	0
0.8536751096	1.2447071881
2.0919831243	3.7504414757
0.7883712719	1.1972051517
49.4113559472	36.6880882165

gene_expression_table

0	1.1026978378
2.7088824908	0.5273917722
5.9560304432	3.4396222464
31.5428020305	24.6545561595
4.6894887123	3.0175277911
19.7490781741	13.2311306433
6.8909541029	9.6796326721
0.0128106553	0.0810583748
8.8397037252	9.1457200788
0.1709513644	0.3048373132
1.6875801579	2.0440791755
0.114159098	0.1123628121
0.217672423	0.9641131282
2.4466354238	3.5183831161
3.2769719748	0
9.0502521726	5.50622414
261.8428924687	254.845765208
7.2111041212	15.6437732752
3.3077169673	1.3394757639
0.1943901654	0.4919951547
0	0.0217105783
1.4271742	1.2374894098
0.1651084295	0.3969898361
5.3042527502	7.2566974758
40.5227854275	31.5011382134
69.0616802361	56.0182394232
0.0160243613	0.0101392837
0.1334833518	0.1447894286
0.8012523372	0.6337323359
0.9731427094	2.0431641403
0	0
17.9125595768	35.3758983812
1245.3715516714	1745.4697203487
0	0
14.0404516863	22.0168226498
0	0.0525290257
0	1.0939222359
18.6776180812	15.4948556109
38.2465007248	31.3948031898
20.0162224394	12.6651011806
0	0
9.0011950583	7.2990010244
2.1523194528	0.7782071689
8.5681391867	9.91549194
12.2923753913	12.6813588235
0.0103392089	0
8.2770840017	5.8251126708
1.1936088415	2.3412633458
0.1856350482	0

gene_expression_table

3.3313572295	3.4050515648
1.7047508764	0.990612722
0	0
0.3138078359	0.2363801712
9.312696052	10.574270338
0.3429944033	0.4443884261
0	0
2.5443120631	1.7498833331
5.1638816955	10.8291102171
50.520164186	52.7258933405
0.4758020373	1.5052992549
0.3141724856	0.1242437956
0.3634331549	0.2299593589
3.3144565515	0
1.6483060015	3.3275140115
0	0
45.5932040246	19.5759220757
24.5654824049	29.2219835068
29.8621326981	20.6945461943
0	0.0176031056
1.4275393013	1.1496085076
0.8250267645	0.6525361791
0	0.1245428827
4.2583625352	2.6235376722
0.1166291479	0.3689807014
2.0139871304	1.2942453661
7.660772218	5.836534084
20.0299381518	14.4340268641
0	0
0	0
64.9232948008	63.5526879824
1.5375130682	0.555913617
0	0.3897433342
1.6151913308	1.2578450654
10.5936364446	6.2309920401
0.0247689438	0.0861979074
0	0
0.0606864535	0.0383988575
0.3367426007	0.6392133864
2.5444888488	1.6100045261
0	0
0	0.262420275
51.4186009905	44.8754477185
0.6384982795	1.1110125639
17.505426005	12.514910742
0	0
0.4755600376	0.2340385659
14.7580710574	21.9718796755
3.1221079188	2.0742626861

gene_expression_table

0	0
2.2016631919	1.7058176243
0	1.5230799185
1.1263063891	1.0821891746
17.8008975887	12.0209984364
0.6244531234	5.5316465532
0.279960211	0.4302033012
0	0.7666149021
1.2034113917	0.8785946816
2.3167035352	1.4658752304
0	0
0.4163321237	0.7902922473
33.8909677232	13.8196167434
3.96184039	22.5613991838
41.0957008664	30.3581459557
18.5743307755	6.7158605789
15.1990207266	8.6178814957
1.027014189	0.7798018027
0	0
0	0
1.8912709421	2.1939247616
0	0
0.2294358796	0.5806947117
0	0
2.0337099748	0.6434066838
82.8646102924	41.4928744701
127.5049758584	96.6852179488
0.9068047777	0.4303299847
4.5307560238	6.2113975079
43.4597303651	26.0123682054
7.0604928252	16.194575627
0	3.9344826785
1.2558202994	1.9865250804
160.1650768821	93.7489545127
2.103074413	1.330703149
22.1135039417	231.3366966901
8.5722666322	77.563652752
22.3539718122	562.0495373435
37.9327730105	246.0169344822
1.4678157674	4.4889507555
5.5445746593	7.4843398543
20.1936114265	17.0624270254
51.7299424075	43.8672245704
1.3157644675	17.483323509
88.5442436238	48.2160110048
65.7088291165	73.982113009
7.2808733433	5.6818595028
131.760578109	41.238906034
301.5689166617	280.4540678265

gene_expression_table

507.207906808	565.3859851686
3.2460787907	4.1078596572
0	0
12.5611709834	6.2201569248
12.0896958117	8.0321390422
239.1397642236	157.6714514339
77.0348294791	16.2477196141
298.7613478014	146.0113130318
184.2487172405	67.2183756087
12.6501876141	8.8380843841
18.0007614109	33.1932325097
48.9620710376	66.2635271213
214.9958859204	69.4094152045
3713.5115288755	5868.7366807889
10.5403576213	8.2641637748
10.7046719385	3.6945238326
1.3086612615	5.7963130338
6.400921639	8.6788518433
0	0
0	0
30.0070945073	6.42628253
51.8611210147	11.1813053641
394.0403409094	235.7091421161
50.3927368509	33.240504305
3.478824278	8.0278972525
3.8829437001	1.6379339305
61.9972852577	15.4111082791
57.8044322011	75.4365193537
6.1232902115	0
0	0.9474973912
25.6855950545	21.3129624665
4.4932317553	15.5075764121
22.8876531794	20.445141906
10.1944234373	5.8361106832
13.521242731	18.5368209987
12.0862813853	13.3638057574
2.0720183889	1.8810756181
108.6068086154	74.4948664941
3.1264240758	4.2861417853
8.3533263088	5.2854989604
0	0.4567638947
4399.4463461814	2178.8984223163
0.8186281908	2.5899014904
3.3625966755	8.2978567154
255.2738844639	204.5216186894
9.5522357986	12.2356153381
0.4522138218	0.0953782001
2224.0321463213	1183.7858029341
48.5005656118	20.5041540703

gene_expression_table

205.5661659315	283.9563141749
34.1517208205	81.4501454764
0.4841117424	1.1844286294
3.6223038198	2.2919831414
37.6469254007	26.9278432408
26.5446971555	12.835921785
38.4350952918	35.0200691471
3.6659123879	1.8556608852
1.6224308316	1.4372117908
0	0
0	0.4407312221
0.5259027964	0.6655213937
1.7388077267	4.1808222438
0.1236341747	1.2516562201
74.5557717813	65.9676708851
1.671060445	1.4538560314
10.6968833545	19.6000585144
267.4111857848	112.8014950556
49.2972791066	18.154336275
0.0853781228	0
8.8503894082	7.1694415702
13.0963166706	29.959200431
27.4867357789	6.1838248707
2.8241510478	0.8934792486
91.8118015557	36.4347389914
95.5481352925	112.6414991604
0	0.4882373275
75.5106919067	90.0657334794
10.6919274227	8.4565371309
1.7582948767	1.0569193791
0	0.0920796956
13.0136030916	12.1723710613
147.6282898173	54.2899178791
0.2592459935	0
0	0.0601678188
0	0
66.8345214415	14.1992253661
2283.2247664803	4298.3219150231
7.000302396	2.9529227575
40.2649972993	26.1390973038
48.1899901868	37.4217821509
0	0
38.5613768633	23.4786641675
0	0.0926906944
0	0
4.2194276236	3.5597444648
0	0
0	0
0	0.263651448

gene_expression_table

2.9862132698	12.2817632849
11.5320036351	7.2967810633
22.0044460133	8.7019583748
54.8304710744	73.9370364978
9.6762261122	9.6397642989
0.3414040356	0.2160206136
0	0.6176013312
195.7829433084	160.0697372008
0.9535123226	0.2011090434
17.7008981294	16.3131871551
125.4655450097	129.8788367309
7.1200346011	3.7006537623
45.026254193	10.1749979988
7.0337130307	6.1812839477
81.9014769056	83.8461316321
0	0
8.9988266829	3.972512126
1.7757813771	4.430843989
0	0
9.8050174956	6.5305733642
9.1135885571	6.7993633753
0	2.1253047803
214.0981418813	149.6458223599
3.9834137573	5.0409450067
16558.5844170479	20476.4812747485
30.4548050966	21.5933658917
0	0
10.2682084194	0
26.3342615404	12.8175298402
1.0779425353	0.5115444979
0	0.4284913706
1.3110204599	1.6590749653
139.2745675507	135.4113464243
2.2843538317	1.4454062198
26.4782228012	44.1693176368
4.2753509377	4.2150687372
1.1048658681	2.0972845479
0.4302316973	1.8375227372
7.7303810338	6.0157803543
0	0
156.7551613507	119.6524063608
63.613336617	180.4347054631
0	0
26.146788592	31.9473566104
616.1398645151	266.2522699772
8.4586512129	3.8229588806
14.3391674842	14.4195750605
0	1.1353466562
7.6183708616	14.4613857213

gene_expression_table

5.0153845586	11.1070525822
13.0040211812	48.9577194128
7.3771792762	8.1687373292
0.4327946323	0.2738472669
28.8665991524	29.4271131642
0.5218625132	4.6228593694
2.8181731327	2.0379154517
17.1506563844	8.8662639736
0.8178854603	0.2217901463
0	0
31.3932345367	8.8753205301
2.0361551027	4.5522071079
0	0
4.0054750713	7.1758003687
0.6827326561	1.0799837726
0	0
0	0
1.1191811755	1.2746749376
1.2327174132	0.7799918697
426.6552209238	376.247094478
3.4636504306	0.7305321686
6.3111264297	8.3496558666
352.1942984245	302.8448053014
574.2949437788	338.0283094619
481.318498282	630.1702139622
1.3246935071	1.3969816525
0	2.4331379351
0	0.5134920875
0	1.1944630419
1.9594281642	0.9016815701
0.4572425082	0.5786329212
23.0996317956	23.7511677875
1.5902910904	3.0187310759
42.0078930921	41.1992341667
25.8948116574	35.1101367211
14.0931250597	7.0881179792
51.7386998617	23.2650433286
0	0
0.8148052025	1.1784259051
25.7974314897	18.8343622668
47.2945680718	65.6800973762
25993.8379701136	33919.4686130027
4.7827933409	2.0805629643
0.6031282533	1.144873421
51.6800661246	28.8204619524
1.2002837803	1.8227274085
163.1959116146	32.2251214008
37.7755978631	27.3168009765
3.4465912844	8.7232098818

gene_expression_table

10.6919274227	16.6369424372
1.9037454476	1.7208276786
4.0250877769	6.2822087835
0	0
0	0
4.3110720613	1.3638978089
0	0.1339659279
0	0.1995749174
5.3396635153	6.7572569097
0	0
0	0
1.3090769734	0.6212308181
0.887885876	1.6854075973
0.2289599774	0.434617664
0.3373055478	0.6402819869
9.0363436339	9.5294543191
981.534470467	957.7550435646
46.9488891483	49.4208568131
0	0
0	0
4.332395198	3.2895451899
14.6105057361	12.3262374811
78.2867955432	29.3168280412
107.0110437521	141.7934670204
73.326826392	25.5088280034
9.4229595556	3.1798936835
80.9231710092	41.0593904671
3.1348140569	3.2232329635
57.3065031073	70.1030949884
0	0.5325802329
2.5999837933	0.8225592494
22.3618761134	12.1279666069
13.1241220138	10.0996795423
114.2636878152	101.9938172067
6.5836833747	5.3373951892
269.7076547053	131.7559413625
0	0.5179606995
89.8978404655	46.2308895689
11.6753731829	4.924997982
45.357135978	21.7510917288
152.2043729337	119.6059296133
0	0
5.8710307192	4.8293007242
54.9153656496	51.4546281042
1.0361148958	1.9667797003
5.3205152375	4.4314297701
72.8774047218	75.6246349729
6.3266011418	14.8350368173
0	0.3797201304

gene_expression_table

272.4985210925	273.2389313209
144.8133543491	170.1690093692
12.3188920456	8.9523037611
15.4296751221	12.6655146107
25.3049165219	26.8099185656
4.8262213802	4.1108201879
0.1955880165	1.0519321129
1.602556606	3.6757666631
23.1502273688	18.643058241
76.5758273642	124.7400044593
0	1.3624950873
14.3852492237	8.3436364856
63.3290039089	33.1020558503
3.4639739246	9.8631053731
0	0
0.4072645585	0
8.6553050094	12.4467579899
0	0
0	0.173857369
14.6184108341	12.1086719961
46.9048577687	35.9932751294
1.1263339426	1.6926116703
0	0
0	0
3.4699694822	1.2807636532
0	4.5177813812
0.133725505	0.8461372051
4.0879500881	7.4555431536
0	0.2548722293
0	0
0	0
1.8174755319	1.2937418897
0	0
3.8424855945	3.8206164229
0	0.134899263
0	0
2.3617703238	1.7932690471
0.5343587023	1.1270370075
8.2403790287	4.0967398151
41.4740384665	70.8157773892
1.3692460889	3.4655170945
353.2860967795	428.5597669114
33.1707212641	39.5077700074
15.4826837032	9.7965415923
39.3771282516	26.334796659
203.2178206034	116.1098078799
18.8320004118	16.6098951822
3.9924184386	8.8415954967
347.1966243322	167.9950440513

gene_expression_table

97.1355170851	106.7897118585
38.9173512032	37.7802633758
0	0
0.602731294	4.5764796108
121.4547967191	118.9928208367
8.8877950661	5.6236796991
38.032694339	39.2467449753
0	2.3709083279
118.9691475534	113.4354801285
1313.7310742769	1649.8903477116
71.0512812472	54.9475881712
420.8739496141	273.877193633
0	3.046159837
4.3689469642	2.4993345522
297.6314619482	180.7530663126
22.444330851	11.7316465994
6.6139093902	9.6574548907
104.7041914089	78.0148683033
727.9676532373	555.7331422184
0	0.0912571691
3.7238900378	3.2243571451
49.8759530193	35.5533614069
141.2987036208	127.3352485646
0.3356662305	1.0619503219
0	0
0.7798967283	0.1644910939
1.2493858575	1.8972928599
0.5567379509	0.8806784722
0.6915933619	1.3128001446
3.09173891	2.721770477
0	0
23.9320037968	15.696783976
0	0
0	0
9.2536848331	13.6621180714
24.9061187334	20.4118424935
60.2981346519	57.3439589319
7.923731565	7.2865430301
34.7373840772	46.2284739765
116.7855935859	50.6181640478
2.2469870842	1.7264261547
9.4111750921	11.9096882671
56.6503973073	34.2865943988
1.1321061793	8.4936382133
262.7121124114	86.0479230761
0	0
3.7663469039	2.4532171441
5.6246237202	2.4022809197
1.0786714309	2.218191733

gene_expression_table

0	0
0	1.0259066835
22.2683352366	23.4835119155
0.4484844713	0.0945916281
0	0
13.8861350747	9.9714725237
21.1685830891	10.5665733945
2.6893802775	3.903861903
15.2092197819	3.9868825199
68.7465594273	43.4988236967
0	0
0	0.4461761346
0	0
0	0.1515878316
0	0
16.7165357046	13.5521033094
16.8923159096	15.3201472874
12.3387490613	11.9498611824
0.5084274937	3.8604401027
507.9912965519	258.1677053069
17.9712818752	12.9360232746
0	1.0193560674
1.3234380419	1.5073102911
0	0
9.620375804	7.8041207365
17.8669501817	11.7828498239
24.1270562063	19.0827470674
7.4226712819	6.7514122336
36.1798601297	28.7552270354
3.3240812371	4.6272275261
0.753545761	0.1986666344
7.2767307208	3.6834335199
63.7688204737	24.7301548699
0.3232305725	0.1168694305
8.1546459446	4.5527519855
6.2482139703	4.0672762971
22.1432443253	32.4464264993
18.4460057084	28.5304784735
68.4379371977	30.2252935054
0	0
100.6332431423	47.3479744912
48.4053130656	24.7631174222
6.539499041	4.8274503421
312.3651571896	154.048007849
22.8926392342	18.4614407086
2.1293356764	6.7365987439
51.8445155423	31.7948337466
435.6675795144	411.3327419773
13.2095950787	16.1195078706

gene_expression_table

0	0
2.3123703556	6.4795909768
37.7191257257	23.4619521546
0	0.233822701
214.8006850747	92.3586734813
0	0
22.0125902993	8.5117307184
2.1184416675	3.6383009172
0	0
1.2211500333	0
6.6353171624	7.893072299
1608.5787459376	2418.0199392775
0	0
11.832165786	4.9911374743
0	0.0817914937
29.0701680347	19.6000693854
1.6984582144	4.2987422229
1.8339554506	2.3933669197
9.2600828636	10.8170617121
947.4921376347	390.6768345541
33.4323278968	18.927292036
0.8507378845	3.2297846662
0	0.4859926977
1297.382641377	103.6097809465
101.6759668501	75.8641420181
16.410401094	25.8257455758
10.2375976623	12.9555125231
0	1.2029122653
20.2875534185	6.1715305963
45.8003021427	37.973487677
7.5452925421	2.2148453494
3.0089865983	2.855867522
0	0
798.9183497079	1115.2615075581
155.6787448952	63.1713344137
0	0.2870445641
0	0
3.3248560117	1.7531462262
1.2523347012	1.22822705
15.152727317	8.9413982469
0.895896441	2.1257668198
1.3160445962	1.3878607731
18.5899297334	14.7032826578
37.9484742457	25.7578842073
247.094412657	198.8396117464
13.8906028459	20.2060195166
16.3324659751	10.4932226019
2.6454186028	4.5433532943
5.8914702125	13.2543275848

gene_expression_table

0.2500287776	0
1.9717580442	1.5803108003
3.9402482589	2.493159887
8.3092750585	6.4709241745
223.681246293	122.4064698126
0	0
1.9668286491	2.4000970279
9.2553863696	8.7330343485
7.8837485829	2.4147559832
0	0
169.0303761291	162.3853336311
2.834232677	3.1383407399
2.208979679	10.7158061116
0.5402430929	0.3418344023
7.029713573	23.7226336966
7.4029478665	7.4395399246
6.6837448976	6.3436274489
15.7012503108	10.6990561216
0	0
5.5341757578	4.4444710793
0.4482568142	0.1418154181
0.1783405403	0.7899046368
0	0.117536714
4.0763435763	4.0673152525
2.1589345727	1.7303277308
0.5620404581	0.6223463873
3.3240471894	1.9029528676
0	0
0	0.1089459689
2.2690507364	2.8714466225
0	0
0	0
0	0
4.2758158572	5.5191945871
0.5121131244	1.0126106082
1099.6167637437	796.0120796213
0	0
41.0485479124	28.8195040198
20.8957735066	15.5548587422
16.0899375659	14.1142583456
13.0410579504	5.0779217536
13.098429684	8.8348432107
0.2779303464	0.2078323656
3.9081071969	2.3675963866
2.9393540031	4.6496305644
3.08513892	2.3425157287
239.7133818046	220.6771419119
9.4837994786	15.3020313828
12.815745961	5.4060390197

gene_expression_table

20.3355875259	28.0257687105
0	0.0356191646
1.4793570967	1.3837277337
12.8682960169	19.9856679087
0.3580259634	0.3624608042
1.2479481292	1.1844434712
0.2828526342	1.4317815432
14.8267858857	16.2797096729
2408.2090479723	1074.8185685364
71.9731042573	49.8775739115
3.4355449267	2.9274014769
6.1136005029	2.9012480695
33.9997705491	20.8279471367
0.1223857897	0.8131053877
111.7288117468	184.5937862619
12.492963328	3.7727552177
64.1587040573	72.5663355047
0.9086041919	0.1437279694
4.2247145245	10.2470887694
2.901867523	3.3662437632
0	0.5082210539
5.6571062417	10.8618938495
1.2664334088	0
0	0.3634333052
0.5592564434	0
45.6557428431	80.990407442
0.9604010775	1.2153718672
176.1408699527	106.7627897728
2.3780078193	2.7943778852
0	0
19.5050059485	8.2277554157
0	0
4.1271650599	1.3057149827
650.8488994326	712.061981321
0	0.2904551634
25.9890098232	13.3416291386
77.7049129359	44.656401089
1.6720209544	2.1159151911
221.8115789209	299.9553187742
0	0
0.4918413008	0.9336256916
11.4455204516	9.6560793808
28.9665485872	31.7691346451
6.3595282598	2.6826263585
121.35864821	183.3020412123
3.010940803	8.2556421496
0	0
0.5161110018	0.6531300377
5.5739057426	4.4085541374

gene_expression_table

7.1729181558	2.5214474154
0	1.3780566302
5.8983410959	3.4655466194
557.5308718314	648.1180266971
6.3253634879	6.0034830863
3.8270563822	4.3587695736
136.6370793215	169.4537509336
0	0
12.0543320369	22.1191122643
2.5511603254	2.1109107249
0	0
2.497307936	2.3702267836
3.0761738402	1.5293330325
2.4413354931	0
271.1167310747	193.6029255813
58.6401525791	32.8228376564
119.7406229994	99.0194741957
0	0
1.1230512888	0.3553007628
60.0936352583	33.4932664858
1.2431711742	1.4858120919
0	0
1.6563401577	0.5240178498
12.5004276411	12.0840246989
1.4817169099	1.3787415683
0	0.2587417213
3.2770877934	2.6956156782
4.0034007534	3.1997294044
0	2.9623346862
0	0
0.211389832	0.4012655664
0	0.4151502863
0	0
0.403660918	0.542752938
0.9771516706	1.70028302
0	0.1350063591
1.7662439906	3.1043790326
1.0621980357	0.5880849861
2.2465787638	1.24381631
0.3190541508	1.1439804711
1.458717545	0.9229916063
0	0
0	0.0622724328
0	0.1279112182
0	0
0	0
0.7994621016	0.6096178526
6.2776079909	4.5992796556
1.5367485982	0.6945465125

gene_expression_table

12.4455614651	20.159557926
0	0
26.8729984502	22.5298629745
0.1746817043	0.4421136836
252.590177527	197.3556873297
1.8876612791	1.9906704147
10.3628859489	28.1952350246
1.7919357225	1.5873657592
0	0.025420136
2.2370073744	3.4742817881
172.7823532117	141.9059554307
8.3495988093	7.9247106234
412.0108743271	172.2459109522
0	0
83.8686972181	138.2603688887
115.791064972	61.2590720262
10.055003824	12.3501946813
15.0852260354	31.3885413204
24.3520096182	18.7401102409
0	0
3.5586997516	8.7567596159
384.838068078	295.9239582266
0	0
0	0
0.1152677097	0.2188041041
2.6395821515	1.3918116969
337.4614152274	325.854771616
9.7285374116	7.127597687
33.3112707122	34.4264760743
37.7443281955	22.2064562645
31.3168351873	10.6698692966
4.2943082072	3.458239815
2527.0260302929	3663.0853648429
14.4978855326	13.3203064565
25.0043254199	13.3395127634
19.3877516001	13.4941855321
13.8909246483	43.9468452891
230.7508947323	174.0837704992
0	0
2.0866866665	0
153.9939406131	170.6807004215
0	0
44.2353655274	21.4465506146
1.7013419683	3.8446793838
6.4291860432	4.4493913308
3.0146786147	2.7745647392
0	0
0	1.4832268603
168.7125316134	69.3494988117

gene_expression_table

8.0890326647	3.7160037506
5.5455694993	11.6963792785
0	0
0.8848778167	1.8663306918
33.3185157168	18.8628587014
13.9891631536	1.1064410837
28.1053418585	67.8806359423
0	0
26.7669305461	24.4639150455
1.5063264077	4.3419716367
17.2303805982	6.6362328388
0.2437773186	0.9254886376
4.6833195737	3.7864800196
1.8811507817	13.8866324889
43.7919066824	56.7630378764
0	0
3.3010047359	3.5507624118
39.8846852468	24.3954850395
0	0
0	0
1.7250991331	2.4559703535
0	0.1837613865
33.4258422306	30.8184672767
5.7582314565	5.4652108487
7.1315412404	9.0248488852
20.1489755492	6.1813816369
1.8435614281	1.1664984285
23.6406284536	24.574538055
36.3388262836	49.0040345255
11.8031179159	7.4683264089
22.4712322393	18.0100855217
2.6496472659	1.6765426552
15.297617968	10.840975892
0.2829173632	0.1790136496
115.9645263878	107.6175561073
0.8261776889	0.2613785907
0	0
2041.1348113666	2355.8092609835
45.056502592	34.9466801711
11.2135355438	8.3853226138
0.8758505836	0.5541872995
89.4202512135	118.962936543
0	0
8.9716421894	5.6767332812
0.7739126519	1.1892396295
13.7620663492	17.4156700441
13.6697511466	6.3429104435
29.4141645811	18.9270226505
33.3298159138	12.8592491805

gene_expression_table

4.3084287565	2.8696032507
68.5876445881	64.4193094521
0.7113304337	1.8003540763
0	0
0.9302250098	1.4714806835
13.1161655894	26.083032154
0.953929239	1.9616705247
0	0.2695382283
0.8745701002	0.7378361122
0	0
0.4120287598	1.042831323
2.5302748541	8.805559054
0.2021671072	3.3259092098
26.4859581862	30.8513786824
8.5576300902	16.2443115259
1.5325779201	0.6060788469
0	0
3.1251069103	5.2730289595
48.9136416894	34.8184204516
117.867886218	75.1988624945
0.3151073797	0.3987632391
18.8614608556	23.7075942981
5.7237874259	4.4908828532
35.2502127697	31.8274615431
0	0
0	0.150462367
6.0027434256	1.8990934248
0	0
2.3683760416	3.2469029374
1.1243109255	5.6911884041
0	0
0	0.2237952298
2.7910875495	4.0366579173
0.5285333221	1.337700562
9.3035304105	17.9700265671
11.0153136249	6.0493034972
2.0020279403	2.2801802744
0	0.5158624678
0	0
4.7345752669	1.4978819052
0.2353676834	0
19.6245646693	8.7445654416
0.4790345217	0.3031051791
2.1286024341	4.489519319
0	0
1.0041127394	1.724505497
217.1194966483	39.2067886
1.6949441921	0
0	0

gene_expression_table

8.6236906648	20.7349652299
1.1163054094	1.1099520545
8.7465577241	3.0864437467
2.9050951539	4.4116205253
8.7751430297	7.9320000623
5.4782845198	5.4471053413
0.7996272666	0.2891186392
0	0.2989809839
45.4312290043	99.4670744206
10.1103393335	0
1.8306627086	2.3890697926
2.8668312163	6.893063295
8.9108569533	9.2091774689
1.3882605484	2.6352315524
139.9425300114	100.3538245919
2.2467357925	2.2417597011
10.3239439975	13.6091483324
5.7780486194	6.9796612717
1.3065866558	8.2673202932
75.8461529878	26.1951057886
4.979985771	1.9865285595
0	0
16.5608397074	16.3122591239
0	2.7689510579
1035.9636226259	1083.3805580497
4.8005136954	1.6874921178
29.2830150988	10.0363187761
0	0
1.3875334385	1.7559008892
0	0.6088052348
3.7857271421	2.7946192319
5.4258475972	6.4576118462
0	0
13.2607229977	7.7690871419
0	0
1.0676099255	0.8444018201
0	0
1.9676335901	2.6678658752
0.0513354992	0.3248211763
446.3523814368	293.5093933641
1.3290607329	1.6819046359
0	0
0.9107125552	1.4406148179
2.5989513789	2.5580570508
0	2.7133327997
7.5643649075	5.9466028279
3.4448077605	1.5569099716
101.037779895	36.2229647466
50.0757121611	54.5347555929

gene_expression_table

3.6039504383	3.6105861329
1.1907577185	3.3151457496
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12.1784016991	4.047482587
42.8069399797	28.0163546425
23.3511725015	72.9127137535
4.7902833466	2.020675095
73.6765371693	13.9854680479
0	1.279865586
0	0
3.3289344912	3.3935737102
0	1.0186658065
0	0.0888238459
5.3050647687	2.3497154665
15.6634317754	8.7782332056
0.7055925883	0.0744096574
0.3250594996	0.493628981
1.8674483306	3.5448380125
12.3296863911	27.1356810735
99.3412961485	78.8924426665
0	0
0	0
0	0.1282257231
0	0.0614950432
12.9996832855	12.1963470637
2.9806750405	2.466304782
9.6059085824	8.7794202286
1.0590739238	1.3402407415
0	0.2969606887
96.5853354454	79.9757983136
0.1938856241	2.0855522528
0	0.3233255543
277.2850591949	469.3174789324
0.2469473051	1.3281580593
132.9755079272	39.9060044439
12.4769983505	5.6390848194
16.5065347828	10.7427857104
0.215712642	1.0919232917
0	0.1655353492
2.6041826156	1.3731460577
2122.4226205391	2918.1585927235
8.3405524897	4.9255886687
18.5682578799	33.5683241087
6.6459387429	15.4189325784
0	0.6678509743
0	0.7850801346
0.435897431	2.4822948365
0	0.1931586365
0	0

gene_expression_table

0	0
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0	1.4868605312
0	0
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0	0
3.9907860045	8.7538090728
0	0
9.7499392248	1.6825075555
12201.5989903416	18515.6647160745
11.2706499485	11.4722709213
20.012714529	27.7542609951
0	0
81.369668304	50.1530220009
7.4981337561	0.9488765722
8.3084159523	26.2854114969
2.344274623	2.1013708654
2.6279294981	9.3261442628
1.5928242909	0.5497344839
73.5471336196	315.4130238947
0.5654723934	2.1467882161
0.4230111181	1.3382841411
0	0
0	0
87.7354394559	111.730472096
22.5284550296	13.5967867847
2.8824721233	1.2159071208
4000.075065948	6922.6586426582
2422.3648287561	4128.5619657726
21.84262003	46.4376841529
0.3848979744	0.243541048
15.2495070447	15.2516466899
0.5948288557	1.1291192929
1.0517757653	2.5510929957
15.2880333104	32.244593823
0.3402576908	0.64588582
39.2038146092	24.8058933295
90.1535929267	73.405392007
241.5223040196	144.5434457267
34.8477879838	6.7845086396
0	0
0.4613949145	0.5838877235
1.7642835511	0.7442239998
7.8295902071	15.0392601381
26.5298775472	39.038519121
12.6291056248	12.9084793093
3.3148120273	2.5169042669
2.1831048803	8.6333860823
2.0147169205	0.8825508468

gene_expression_table

75.0183912448	51.2236770079
152.3225462153	21.6670119754
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5.65106834	4.0864769291
0	0
0	0.3601537045
13.1002816468	17.7623489134
6.0480380829	8.1175535505
0	0.7742021439
7.1415844891	5.4491161256
4.6138917473	11.6776091979
0	0
0	0.1524356151
0.1709900547	0.3245776795
0.6265418071	2.7750744593
1.838413602	1.5509882448
647.5321437346	610.4673473292
0	3.2526147449
69.0569637593	48.0647524514
0	1.6851655453
0	0.3541853872
1.7194607701	2.1759495025
0.7924442624	0.2507063157
1.098243132	4.8643305703
18.3527475762	21.334686821
0	0.2141166711
0	0.2058454413
1.1680766191	7.3909093551
39.2446058243	60.331842912
9.8666583695	15.6076186382
872.5435986704	1143.6250088025
15.0902952462	23.1168424276
0	0
14.0447860687	15.9220464756
17.0553234716	54.7882071231
2.0045816026	1.6911768374
17.4277414788	12.2302349331
31.7340631996	14.2669912496
2.8496742028	2.9505404699
0	0
0	1.2765239004
18.0422095724	1.2684511856
0	0
1.4812991777	1.1715999373
0.7815730773	0.7418009668
0.6506459101	0
4.5018588555	4.920161241
1.741649236	0.661208593
0.6902547609	2.7661027091

gene_expression_table

22.4479678711	14.4173587306
2.6330982572	9.1633927283
10.5320634221	8.9761038015
0	0.1525575018
0	0
0	0.2683914932
0	0.2314086635
2.6869734579	5.6505334203
2.3006493897	2.1835756514
1.0184046243	0.6443872039
0.9699960459	1.0229284524
0	0
2.7478713337	4.2677013227
0.6911100951	0
0.4567694871	0
2.0843773271	5.0725873871
0	0
0	0.3241159503
0.2053232402	0.2598332047
0	0
0.8278373468	1.5714219489
2.5865823248	2.5293509176
0	0
0	0.0511604718
1.2033993774	0.1269068537
66.6449494853	86.8610288063
0	0
13.875334385	26.3385133383
122.6427550361	107.9668884049
19.9793283064	27.9924613073
47.3747813343	21.1031080505
7.5467343123	7.3797532655
10.540859995	6.6696430244
1.8794349251	1.7837956358
35.6644209974	18.3351763926
131.7562504243	73.2389059141
1171.6096761624	1474.9307464359
0	1.1486840619
6.7208061631	3.7209682815
0	0
0	0
24.0935721326	19.1717561065
0.2903594095	1.6535028924
0	0.5869251547
106.4656724742	104.1099847429
0.7827607279	1.4858563622
73.8515720626	43.5062905368
0.701960194	0.4441595765
0.8832341591	0.7451455955

gene_expression_table	
0	0.4991410453
0	0
0	0
0	0
1.4633275655	0.2314771398
59.5743343283	15.5746524077
0	0
2.6697933207	1.8769887853
1.2066769927	0.5453678617
0.5033763411	0
15.213441438	4.9397506476
2.5604595595	0.9720659177
12.044214492	7.913989001
19.297352246	23.4812345004
2.0722297917	4.5891526341
9.2008853414	8.7326775184
0	1.5970882935
0.2187353669	1.3840301595
25.8441946612	29.7321872348
120.6681527148	70.2598896148
14.9754600052	9.2602453982
0	0.6871037226
1.2277959458	2.7967602651
23.2863274498	32.5939102561
0	1.5299312461
2.0327068295	0
2.4646975552	7.0178275671
660.9362441135	1313.7136008974
177.3849831457	60.3925037811
12.0717800074	16.1752662041
8.3369392047	7.1933593012
15.5900667554	3.288162447
0	0
26.2482440276	22.8364976317
19.286931259	5.1630819078
55.0768767612	30.2028512026
4.9920948665	8.6864448896
11.2829805162	22.4375288334
0	0
16.9179296514	26.5771408657
55.620512191	43.1919301553
1.1089812466	8.4203858573
57.1277466727	23.8457407012
11.7181255661	15.5895628698
0.2062480888	0
0.0995644917	0
7.815202233	5.2900057221
12.3982579722	10.7867325723
1.6390764087	2.4997063366

gene_expression_table

0.5882064391	0
0	0.301717863
0	0
0.4020724254	0.5088160831
4.6535999831	1.7399479862
0	0
0.3921500646	0.4962594977
3.9240255989	2.128195827
14.6688691706	14.2317975489
6.5168896102	2.9107119857
4.9821275025	2.0060730228
4.8718958611	0.9247956882
4.3359952026	4.2208700488
0	0
0	0.4669335917
14.1898685073	28.0578854428
6.9726215993	12.6473587699
8.2079010352	1.4426339742
7.2253704211	4.9693414021
3.12037429	1.4807934998
3.3683816191	2.4357896502
6.4764335797	4.8429850461
2.8407451602	2.5164416007
2.3644503896	2.9921733245
1.4334377681	0.3023320113
0.7833559078	0
2.1758048112	2.7534454282
0.563744776	0
7.1033137406	4.4945637228
6.978131479	6.1324384301
5.2484487682	3.320913069
1.2553739782	1.9858190652
1.1116736748	0
0	0
0	0.2977179243
0	0
0	0
5.0545082983	2.9423429158
0.6331259058	0.4807262918
0.7299358173	1.3855827705
1.2083393761	2.0388449759
10.1577645882	22.2032014891
0.7279158583	3.2240796768
0	0.8756572905
1160.664540596	1531.083363941
0	0
21.9092855042	8.0867041297
0.8343179199	1.0558156919
2.9766267104	2.5112483022

gene_expression_table

5.6762731575	6.5846283346
1.8075770067	5.4327155043
9.4524641985	8.8290501822
3.7286607162	2.6368419041
188.9961806441	130.8556537895
175.1337937615	215.8473288209
162.8195057554	179.690776297
4.1434178256	9.8314266378
11.7943129044	7.4627551099
394.3230222749	218.316586275
66.3531716241	99.0832480091
0	0
0	0.6026608984
65.7175042425	34.420832519
37.9766001386	48.0587668035
18.4916489622	15.6005863618
10.1095125824	11.8339162268
60.3872789996	36.4727592564
0	0
8.3513347345	22.3803055402
0	0.0841694297
13.4065381404	12.9231336201
0	0.5161347626
0	0.8112983262
0	0
2.5586843146	2.2261065627
124.1606163702	74.8436788655
29.9894840211	19.1286299871
0	1.8221613001
6.3272518976	2.5021980834
1.3183602172	0.2780605514
0.2155133433	0.2045464602
0.2200983254	0.2785308336
23.7649843478	14.2681570487
0	5.0370498786
13.091909842	7.9741242407
1.8410600707	1.9415261917
2.0553260042	1.5605888802
0	0
493.4977373704	344.0762931038
3.0396359022	1.5569610107
596.8453072625	184.8211492516
232.0432056226	150.8460022137
0.2758308579	0.4654125901
0	0
13.5512646021	80.4679335834
2.8490373952	6.9103696656
2.8343138987	2.6004139892
0	1.7164727461

gene_expression_table

258.7200344603	158.4222460692
4.2518363878	2.0924670117
79.5340643763	29.5510317403
1.6887700943	0.712370318
36.6200323963	15.5382176019
101.7935211152	33.8884052388
1.7577199029	0
0.3513058974	0.5433656208
2.6427502461	2.063077521
0.241567137	0.3056992638
0.6047804978	0.3826699179
48.8226145202	29.7985843398
0	0
319.9559281232	174.9053494024
54.3074134184	46.0862731063
12.9211151097	13.0811679958
24.2410253667	24.0077906746
34.6393172633	18.5824359222
8.6123009031	7.4430324158
2.3793764794	1.0036873491
0	0
52.4531320361	44.843545397
44.7542002485	31.0062583933
5.4011174173	3.5413358406
37.5557910092	34.2855345638
327.347316841	167.5779447614
3.9977396425	4.5641647497
5.5694695855	5.7559260675
1.1374729749	0.7539994311
0.4404632655	0.2786995319
90.3395798807	13.2147856464
11.4312172712	6.999686434
30.62102791	26.9418533598
3.1732348401	2.0881519507
13.5338163376	11.6020416478
0.4270740418	0.6859623947
0.0149996517	0
3.4411550205	52.9824928268
0	0
0	0
34.6212200374	20.9769361322
0.5106377513	0.6865914617
1.8699248179	1.828550365
0	0
0	0.0244263496
0.1733944182	0.2194278024
0.1177825058	0.1117888771
6.6531336261	5.2067539184
1.4807669106	1.0540610575

gene_expression_table

0	0.0267709956
0.0330443452	0.0190077631
0.1435860492	0.337453626
264.3439784566	151.0321593034
0	0
0.3282947299	0.1038629038
30.3772869709	36.5398840342
1.8020177444	1.9383604035
15.1174594244	22.7000951849
14.2676548609	11.1110671031
0	0
17.4453286976	5.1512482813
1.8746308933	2.2875892303
0.8594614298	1.6314515892
0	0.2333163859
5.7302076185	1.3596532668
5.1940204665	5.112292898
6.0814051424	6.4616676852
6.8829225839	3.9551536604
0	0
0.2180614803	0.0536575743
0.3029509398	0.1757155872
54.4755478252	27.0485571036
5.7008774956	5.7714938386
0.0601697736	0.0253812884
0	11.0604997688
1.6836911153	1.0653417945
1.0247101433	3.9226806654
8.2141395955	3.7511883958
4.5993016879	4.8502842643
512.3931553705	378.5279885433
277.1475169183	124.9823459907
12.9251677334	7.49676974
0.6575882926	1.4146843029
32.2712231906	84.3743066913
3.0286435416	0.9581747258
0	0.0396240406
399.2326268563	594.7878342276
113.7161477909	66.9996795506
34.3857402729	26.3496666363
9.5375261811	4.7071375671
0.9901626203	0.7831466333
7.2579503942	10.119555678
23.58528565	15.1147223611
0	0.1472228415
42.9655653615	13.0634556361
1.5642669258	4.2890341628
21.6291755216	18.2239419902
1.2247793676	0

gene_expression_table

30.0801044696	34.8937238751
0	0
3.0103846072	3.0870835938
21.5900619056	30.3160480708
0.4034106551	0
0	0
0.1664860747	0
103.2267632265	42.2632235148
0	0.1284404713
0	0
8.7117176266	18.8992050449
3.2109820105	5.485651095
18.6579545637	10.0091535432
22.900253718	7.8804982551
2.1552837184	1.6364857924
6.3900509901	7.7495673798
2.4375019698	2.2032992181
27.5276855173	18.2698814447
2.8951748341	0.832681008
44.0004767235	22.7325123447
0	0
4.0806369813	7.2117643453
1.3761045121	3.7005552606
1.3138561797	2.88521023
1.4233160185	1.5760352645
3.0480579233	3.8572674859
19.814190988	5.731322254
5.9751432856	4.2255140379
41.4753488054	159.786110368
29.7130439341	22.524493062
3.5909973127	4.1585075069
250.7629740745	201.2615365413
1.7906034283	5.0512456873
19.837861141	21.1406223606
0.6242261092	1.0532639188
0	2.4583716095
11.570589117	22.1227435634
0	0.289230883
0.8471817267	2.4792188299
15.5602072645	14.5543563363
5.0176010333	4.656440875
1.3989163154	3.1717977732
5.6001644034	7.3703931871
3.4176645225	4.1952486386
4.828964962	3.9110247917
4.7708371718	7.5467705857
1.4757000283	3.0346456849
133.8567193315	84.0350519883
2.933425777	4.1405334218

gene_expression_table

0	0.1827695902
3.269356484	1.504478981
26.9344726296	41.6039146675
0	4.479407403
17.944436776	18.1868090932
27.7610544993	3.659495912
6.0448479058	5.3547593615
1330.1411408613	1316.2250907962
49.9586201105	34.135741582
3.2574315252	3.1355232398
159.5902272419	112.1993468368
0	0
0.3313291915	0.2329398204
11.2897979334	8.0834651986
0.4726844566	0.6685479197
12.9786544505	4.9654785156
491.8718606971	189.7171915844
1.2840592996	2.089229217
4.4540215937	6.6726112993
27.7698727314	33.367455433
0.5733994846	2.0408278397
0	1.4792300783
0	0.3849548142
2.9710530054	3.6423246764
0.4732943967	0.4991219365
15.3109164182	20.9382721131
2.686326644	0.283291872
21.1633488223	18.9704927026
1.5265009379	1.2732067652
0	0
2.8174391379	2.5578035871
5.1420356838	2.3903860845
0	0
0	0
2.0386183412	2.3453074478
0	0
1.1074127621	1.4014127515
5.667992844	3.2603419587
0.2107340357	0
19.1805787837	11.9901333478
0.9585394984	0.9603043882
7.2873108971	8.0692262349
10.5968649346	8.2995803508
1.9416678696	2.8666737811
1.9100795006	1.7988274534
0.2570919398	1.0664107351
387.5524431663	117.1609731254
1.0839598086	3.0864001996
0	0.5872997081

gene_expression_table

2.944383947	3.6570684713
25.3615077025	21.5017832321
0.1597638088	0.0758169334
0	0.1030881956
5.225978415	13.9616016878
0	0.2313060251
2.6343326096	0.8334262158
0	0
8.2560389311	1.0447882334
16.2318265314	24.3170507471
0.3542100616	0.9861434965
13.996485335	31.5424937962
0	0
258.7513303289	187.5990299906
0	0.6684102178
29.5779788608	18.502551415
5.718331109	4.4452506587
37.2057010142	97.5294993046
0.8175995594	1.5519883198
7.2135306932	3.5500131324
14.553420651	8.1561513623
0	0
1.3385581352	0
112.9533189057	199.4251626633
0	0
0	0
0	0
7.9286099591	13.0435842182
1.410648441	33.0253221217
13.1680554716	10.3157841346
2.363998267	2.9916011708
1.434147248	1.4519119227
32.706145336	44.0883810227
0	2.7778900786
69.8148235465	69.4174785678
2.6983462212	7.6831043456
0	0
8.8002223814	7.9128030294
4.586788129	4.6758515826
19.3826855558	22.9954423024
1.2857619861	1.5254163558
10.4524678017	1.2147637199
0	0
0	0.1160906825
26.076876424	23.8332328912
3.1655739469	3.910601567
0.6476803718	0
0.0976048486	0.0926380055
41.0299926792	26.703146654

gene_expression_table

0.0210095862	0.026587288
2.4548266213	2.8432766154
0.518374924	0.6812255709
0	0
1.791006456	3.0924135016
0.4838801564	0.9865516921
32.7874028399	14.2676684942
9.509312451	7.8995405247
24.9423454324	17.5180924267
5.3505911067	4.9574019556
0	0.0325513223
13.3649092783	7.8766602991
1.8653976518	1.3770343073
6.6122767292	4.8275354613
34.2453459618	42.2199945518
17.7778455362	23.159266296
16.5023514919	15.4941771111
0.5103373761	4.4131279934
6.7855840749	0.9107472761
149.5514871412	131.7362976195
0	0
8.9680266328	7.1981392844
0.2334895783	0.0369346557
0.8354078929	1.5857925523
0.0746165816	0.188852129
18.2490450803	14.4336676846
26.8532488931	14.5167310124
12.1602520692	5.1295334174
2.5653446382	2.6905110086
0.7202947463	1.6635262434
0	0
1.0304821156	1.0867152297
0.0236374817	0.007478
4.4253393164	4.3868190871
0	0
31.4460136418	40.4467838054
22.8543301701	40.570832115
31.7840626295	31.0188243493
16.7808677575	12.2267382994
0	0
2.9492878065	0.6220459196
9.6938758001	18.8555117704
0	8.2400334917
0	0
0	0
31.9246236962	23.4718829995
419.7714132826	93.1150736799
0	0
1.2726106436	0.6813518337

gene_expression_table

5.5618499881	2.9101202035
7.5793535583	3.1551144917
10.712725895	10.9284243201
12.4952803511	8.6383501016
25.3253567072	46.9794209575
26.1888716531	40.4439730881
1.5366576405	4.2133327809
0	0.367980923
1633.312989645	1587.8269126386
45.8735544972	22.5758685757
0.054683358	0
1.4980793988	1.2351391636
0.7899743442	0.7775441502
48.8980661851	16.7809365668
23.184939149	24.8262905586
0	0.1506923136
5.963438169	5.1317108067
0	0.0113667966
2.377145588	0.9454465085
45.9197013833	44.188292787
432.4819298373	248.6665523995
1.9122357666	3.0248788874
3.6106667456	2.2846198778
1.392004003	4.9459137322
140.7560639956	48.2659931514
0.3183093497	0.1342717599
3519.5271685362	4738.6531064636
9.9412374855	3.5644675095
6.8459461131	2.7073227872
0	0.4345693749
2.9704283847	0
0	0
67.214991596	48.3959072419
28.2935245943	19.6074961436
8.9779712589	23.3721789869
30.3859792669	23.1848730304
0	0
4.7221992452	5.0015399945
223.763311077	87.7371455435
36.4276457927	49.2862588789
33.3521381864	22.4222486972
78.855400355	36.3642328479
2.1887477758	1.9388771769
17.4473803651	15.4095635928
0	0
284.2051249886	699.6451425663
2.0701478461	3.05636131
0	0
3.4439243046	4.8424776906

gene_expression_table

5.7890572627	6.0389648445
40.0065822066	33.7517839557
0.321582638	0.610436359
15.0914586633	17.1881948616
25.7231111045	17.1107595455
0.6461232851	0.4088292287
23.5864394161	17.220146305
283.0528504537	260.2537837763
0.3485852066	0.1764515527
0	0
52.847056403	38.3428627376
27.3355613437	13.8561944407
10.4038470169	9.5751988104
0	0
22.2221502762	7.6163121629
9.8604955006	12.4782959006
0.8242498125	2.7380709996
104.1717568695	52.7310623135
3.0062549696	2.8532748984
1.0331576124	0.1508589315
9.9351367846	11.2392793987
5.7712041313	0
19.1615033377	29.248274319
6.984117657	5.2375032591
45.2169716315	24.4144378003
0	0.6116455219
0	0
0	0
0.9776926008	0
0.4824185046	0.5341811415
0	0.5896682091
540.0663034478	114.7078003829
0	0.2038605874
0.2710572887	1.0290557064
16.0745619259	2.5785754735
0	0
0	0
0	0.1531713702
45.0528912728	31.7462634265
3.3370762193	2.151347476
0.0590572325	0.0373679813
0.4941018719	0.1823727044
5.2833004004	2.0572093258
0	0
8.6306042212	2.8185518935
287.0853245774	233.1011461
5.7672109452	3.4406324203
3.4249388167	4.0919193959
0	0

gene_expression_table

2.6558373656	4.2011484755
4.9592075469	3.5603074027
4.0867665626	8.332241805
23.1763418744	11.129414991
200.9081090701	171.2131472597
0	0.0397409975
2.3496707022	5.2035722755
0.0306680962	0.009702
0.0139991427	0.0354313727
549.0943753439	529.3447079186
2.1239007647	2.2398014214
17.5054144046	26.9426138457
12.3779917966	6.2997110194
0.678577218	0.9064355112
0	0.1508555373
0	1.462840292
72.9225907121	30.0454152155
1.0575107675	0.9052952834
7.00218238	4.9457566669
0	0.1690555511
135.6178470492	291.757687242
12.498983298	9.9422771398
19.8207185549	35.9773428835
13.9396525223	13.0669647732
14.6387061866	21.3489829783
15.3482967192	5.3495602222
28.0636796862	17.155129619
105.7824713988	59.6724661474
23.8217281901	15.7740737931
1.8833717389	4.6177912996
0.9843779673	1.4583971466
353.8814419156	415.0322776684
19.8306178426	14.4044902041
3.4737069225	1.0989798344
3.8453178046	8.0148959646
0	0
0.2827405075	0.298169576
4.1960863455	4.1212551038
1.8435614281	1.7946129669
3.2932666321	1.3395777105
113.9790067948	85.3411540817
0	0
2.742460704	5.3195969696
4.0510481125	5.5422001923
8.7625329543	9.0629960639
0	0
0.1209608334	0.6888328097
0.593956618	0.5719018205
13.4810577248	20.5724231507

gene_expression_table

13.3205772977	21.6130473519
8.0206882589	8.4875417311
4.2149990961	3.6867439118
0	0.7435873062
0.0211537406	0
0.1688647071	0
0.3145408417	0.145950308
47.818318653	32.0481625603
146.3203792891	117.3041459706
3.4186513725	4.3547095932
1650.0243114837	1039.4426382245
27.0392849557	29.5517132129
0	0.6852773162
0.0887605392	0
0	0
0.007393	0.009356
7.7666473581	11.8275955272
0	0.1005829664
0	0.0896915527
0.8367923916	1.3477508487
3.0526622404	3.6358533402
7.8617875214	3.8137693873
0.0772315834	0.2443382662
0.3542350962	0.1494262416
80.2174389042	60.7092679579
1.4530939042	0
0	0.0892596643
1.2845144784	1.4342930108
7.747810489	37.5847889312
3.4014842424	1.2528088503
32.0909771543	7.0164923277
16.3666032593	14.4550189453
0	0.9370553979
11.1308333131	3.817670482
6.5263117831	8.0937620806
457.4829660114	97.9347538211
4.4024019321	0
0.0300782017	0.114190418
56.6889209107	17.345824287
40.1978818507	16.9264156383
2131.9315651236	2089.088102582
33.9500835837	11.546380401
8.9868104822	5.8780049696
2.6896455428	1.2452570035
22.2243179888	7.1946423977
2.7789797349	3.3569010072
0.7786196585	1.2316630655
35.938729468	27.0304916121
21.8363637898	11.2027951997

gene_expression_table

6.9148326635	2.6504244545
11.0023046013	5.8013486068
0.0289273733	0.2196427087
0	0
61.5227995933	19.4052206474
556.7415547832	307.8878120571
61.5121376445	41.8162753399
771.8726492993	306.2498750027
8.6192045789	4.824454579
0	0.2168710413
1.5048364608	2.4705028499
7.9893810933	11.5780744374
0.1707837656	0.1440827095
15.5997097775	4.9030376158
1.8712664726	1.2686020382
0	0
1.2871608922	2.2804335012
8.5728185997	5.8118366934
6.7675824484	7.187865253
0.4394455955	2.3634726806
3.4233193785	4.4987760599
2.8451580316	1.0930092288
2.1532614374	3.8777667236
13.0627110278	17.7114078373
40.0854606741	39.7109180731
0	0
38.8151374096	19.4698136486
7.3167821683	2.314817063
22.0384862209	8.169605855
4.1626003155	7.8107315417
0	0
0.4354061751	0.4132495489
0	0
24.2628301977	21.6422071534
4.8481575424	3.8728854845
20.8967137439	13.99432558
0.6262059391	0.2971700181
29.2289971818	24.1620506169
0.5874517908	0
6.7584038797	3.8486923441
0	0
0	0
8.4302236188	5.334155105
0	0.4934317785
5.8103858395	2.5871484821
2.9948941223	2.9778489437
127.8015749037	99.892555604
2.0376507816	4.6345355448
1.3465102807	0.9681742917

gene_expression_table

45.8763001014	44.0099721916
78.2463477026	54.8333647428
10.9798803198	9.7531222491
5.0845455408	2.7440863116
28.7064774079	12.974134998
0	0.4415023401
0	3.1747315185
0.9194840606	0.2908980128
4.3669480831	2.527988951
5.6769247788	6.7350520561
1.7667960572	0.7648965777
24.3002628915	13.9905862128
1.7200759373	1.9435071309
1.8483389221	0.935617079
2.1486467849	1.8539164021
29.5437496656	28.0403492644
97.9723752889	31.8518422468
9.9411145037	6.7740173477
0	0
5.5193673591	12.2231710771
38.9764952854	33.9936487334
0	0.5765007341
7.32349606	12.2661589925
0.4656117406	0.294612024
2.9365076133	2.143905226
1.9295118891	2.295259815
7.4444884747	7.1433034746
4.7976323837	5.9498988639
4.7649190926	4.7377999712
0	0.4819504936
1.8431216735	5.3646128157
129.2199709713	56.7334274082
0	0.2135555136
0	4.3306173435
9.4367916259	2.8706984548
2.2348016878	7.0702625284
0	0
20.7186862113	11.0644850068
196.1053459623	104.859764899
0	0
446.9254017286	206.3590996185
6.0937120155	13.1095380368
5.7425399949	4.1180179557
0.4842002247	1.6339932555
7.4389949539	5.5397336916
21.9842771892	9.8190859349
1.6236484157	1.9079362101
2.9950150451	2.6846843349
0	0.5975052293

gene_expression_table

5.6334777261	7.1290739914
43.3588331124	20.2780045509
0.339939588	0.1433959976
0	0
0.9877910143	0.5113772937
0.8326322021	7.3757771054
0.1087117966	0
34.1927883058	23.9868603616
0	0.4113228763
14.5360645938	0
0	0
445.0421066617	618.0500233695
0	0
5.1958153051	4.6848437873
11.4897053318	25.8489498933
0.6305469026	1.8618758664
10000.0684348439	13057.6218933665
0	0
247.579801255	277.7259933447
2.2520061252	1.5417367083
0	0
0.2425148679	0.7672465045
1.6408278925	1.3842939207
21.0836460235	3.5435715691
4.9018758077	3.2256867347
44.230143944	52.6948539433
109.7717465025	69.0521774621
1.2292989486	1.9877848751
0	4.1820574507
0	0.0324247611
0	0
0	0.0159799528
11.0383240509	0
0.5724317475	0.6519627188
1.128010779	1.2133573244
0	0.0243151189
0	0
3.9374873995	3.4879781661
11.5179650229	21.960866715
46.5592690114	20.3674053302
0	0.7605773905
16.8472997446	19.0103177134
0	0
0	0
0	0
19.466147621	11.3918217341
0.017614715	0.0222911339
7.4236012758	4.0468383143
6.3862196356	5.3035871276

gene_expression_table

19.3310077196	10.3497622175
229.2476147474	170.4228402547
1.0349288373	0.9898785977
1.4925423467	0.5748485054
1.6119744544	1.3113818529
21.4891372077	5.1575115725
45.8139500541	20.2076830816
11.0168626302	3.8022708011
22.9379070649	14.706433959
0	0
2.8165832937	3.3946096431
5.8249731139	15.0376728811
2.8616371678	1.4814634363
9.4743108339	9.6582772217
0.1714405777	0.1084776245
619.1611651538	312.1308450141
3.1095747573	2.3610696203
1.2555099663	0.8738550386
0	0
3.078417066	0
2.741224598	12.1414122462
0.7069172849	1.3418884058
64.3902236302	50.3011788087
1.1228302926	0.5328462691
0	0
0.4358820624	1.1032032523
124.2776344192	126.5008405044
0	0
0	0
5.0852787756	3.9899090511
0.3094134282	0.3915576365
1.4182136496	0.1121703872
1.1707313387	0.9876942502
0	0.1461862983
0	4.8760257551
2.4230964067	2.5252614476
0.2649689857	1.0059417628
8.8654879434	4.2071737871
2.5059266003	2.1697746863
6.6538874796	2.0185856507
6.7791571579	33.6007409695
5.438235896	4.5879990976
14.0998861238	13.8905732916
4.2763905637	2.6285411497
0.3534687482	0.5431608362
36.5855916329	20.929444562
2.1553839204	2.6139529945
0.8883498753	0.4343470051
0.5219947195	0.6605757863

gene_expression_table

58.4624530619	36.3950000877
0	0
0.857940523	0.2714274275
0.678610327	0.2003797315
41.0213118939	23.8984200154
37.1143649248	27.3707867492
0.0112314651	0.0355330889
0	0
0	0.00602
6.897878319	5.8871026985
1.5225274553	2.7295392825
12.6939047497	2.6773214996
14.6440089459	9.1233250393
1.3724381591	0.5789326866
0	0.2357464427
19.6891222806	14.599372533
0	0
1.2569272037	4.0304714344
1.3490749604	2.5608484706
0	0.5409403542
14.6445838276	13.2584156111
25.9794578062	26.6143736848
29.4857822609	19.4424409441
89.1185076521	100.6490586005
5.1707518418	8.2884358001
150.6345572184	70.2788246978
5.2899841411	5.2390866314
58.334435306	19.2941967414
71.0373236239	72.6087697287
4.7688284945	2.6821664534
0	2.0334126492
90.5839460955	64.5064624429
4.6877551633	5.3390497902
0	0.0657234668
63.3156946365	43.8886810906
0	0
13.1470505977	7.2788527272
23.4160573744	17.2060478165
23.3603932127	11.4434306397
382.9354257352	445.4578728353
49.3339825966	27.3821704756
4.3504611373	1.5238264419
0	0
336.9294448497	147.7217563538
25.9641354089	27.3809908452
0	0
7.4963977899	4.7432844428
45.8870268226	78.2077878624
1.361892863	0.86172658

gene_expression_table

3.4923511121	5.1560987976
7.0042508113	3.3682306724
0.3187306109	0.2016741895
0	0.4503303536
0.6901948169	0.2911434202
2.5438113039	1.6095758151
3.1455059236	1.1667235817
11.0568596027	8.8522556876
0.515924338	0.6891656965
0	0.2709291886
0.8035176743	1.5252577268
218.3470430956	128.7646596503
1.1122646713	1.2795934211
0	0.0498187394
0.7188581775	1.3645549125
703.4380049505	283.7478389293
7.3978185879	5.9127274841
20.9093409118	16.2476319596
36.8462220267	20.9276585142
14.6152517308	10.4973677354
79.3177122944	63.3465871811
272.5781964017	84.2636843805
0	0
29.1774985027	32.4023845336
48.5985177694	62.3548053818
0.348065062	2.642823884
2.3386279769	3.2554450316
1.7268259992	5.098963519
0	0
5.3653617132	7.6831693431
0	0
903.8929505829	1735.3951038477
6.0704587934	8.3405292238
3.4732886723	6.0698243534
1.5100507707	0.8686111685
66.1503777888	31.4463009956
689.135395414	692.1554347198
298.9704988752	136.1616447584
0.2597580144	0
0.081959964	0.0777892462
4.1055215853	1.2988676169
0.8807759067	0
0.9346796634	1.3306745678
22.5143063582	17.2096228588
1.2437548226	1.7706953258
0.7916586038	1.2781982038
4.8438215244	3.7721704456
43.5904008218	49.3816710168
1.8771519795	2.0656566528

gene_expression_table

45.9280675817	32.670623045
2.0494624615	1.9675292239
4.5033653336	1.0498038579
5.4865602359	0.5985476128
19.2642652447	8.3758921145
19.6052831979	7.7365032102
0	0.1222424438
0	0
21.3833368306	12.2036481458
93.5334623627	50.4792201563
1.2390802242	1.3720313012
67.3755636454	35.5607740565
0	0
16.1893152002	24.102722112
5.8998764558	4.2421575171
53.1865709527	39.5814682213
139.2321937048	105.5759266991
0	1.700921605
0.4947445	0.8217445409
3.1343173347	2.7269188108
6.162308348	7.2186970849
20.308061433	23.7226336966
0	0
16.8718435385	11.8840706877
7.3059300563	7.3420425647
1.6621858676	2.2349358651
18.7361837603	18.0947288332
63.1858827794	57.8439120682
339.1210434297	294.8596322477
1.1551974338	0
6.5865332643	6.251362649
1.8956182529	0.7891032625
1.3915219154	3.0477950334
31.2059156735	12.5961320861
3.0122613267	9.5299186948
17.8071676642	20.0308263529
14.2980572624	19.2093387441
0	0
2.6400446504	4.4331615704
3.0499587167	2.4390988521
0	0.4701704042
2.9334644459	3.299778945
5.523107102	2.7957607082
105.4047483759	114.7136682899
11.1513444337	4.7675149083
0.130750789	0.1378858221
4.656524726	2.7562890671
1.017985338	0.8051523798
5.334141218	4.193348634

gene_expression_table

21.1389071097	20.415192169
1.2517604767	0.4525949786
0	0
0	0.5677402786
16.6257704909	7.4447959868
32.0995773587	17.2480138348
0.7548493673	0.716437153
0.5328157108	2.4161326398
0.3299947399	1.4616103254
3.1350850627	4.0350250262
0	0
0.9283166231	1.4684618933
2.7815185849	4.6932884125
0	0
3.5600661174	1.5017351625
11.9311146506	5.8946708483
2.8174391379	1.782711591
0.0349889424	0.0221389674
2.8376845573	1.9420949159
4.4771570269	2.9781606519
0.1795705406	0.2556490323
0	0
1.2923516358	0.908583263
1.1310999942	0.2862777113
2.9004925466	0
2.9684415442	5.9701744479
73.5310196006	64.0831901792
822.3520567376	436.1644558586
36.1025859157	39.4973493288
0	0.1091009548
1.2925167733	0
36.0671663249	32.8054818419
5.9444274249	4.9366903381
0.4531364929	0.860155239
2.9799749969	10.6848106898
16.7481457715	23.8438178437
5.551379855	2.9271585322
1.0269914385	3.0324953885
1.6399027222	1.4603752507
4.7277738021	5.8528569893
0	4.975114561
17.6829710991	12.7871490992
5.970623815	3.5417469641
118.3775699052	39.4940138201
0	4.5123087572
0	5.4047939623
0	0
5.6728003688	8.774133076
6.1172305478	12.5795398316

gene_expression_table

1.394943915	0.882639363
5.7024552292	12.2678186204
14.8684468528	16.4034974522
4.574455316	4.6311187517
8.347389332	7.2276474768
0.8160652977	1.4753104241
0	0.3503779657
1.8665822048	1.8063341504
0.2680889719	0.932971084
215.5004915625	429.29360364
0	0
1.830423287	3.0884943389
6.7658854521	6.787044329
26.5857145882	12.1690294514
0	0.1642458786
0.3294214355	0.2223346361
8.0697930398	8.0622562129
11.3337675649	12.3160120863
5.8393716147	10.7765427911
0	0
0	0.0539515177
0	0
6.5043010365	5.0818013282
0	0
0	13.0288781837
4.171993013	3.0731935812
0.2682512017	0.2263116744
6.5690345043	12.4695087058
0	0
0	0
0.060807042	0.0192375795
0	0.0226156826
1.3739473562	1.3879159745
0.6097168119	0.9644833257
1.8957118796	3.2386397413
0	0
4.32189438	2.6738734991
0	0
0.0556926051	0.140956163
49.2379779713	24.8576554788
11.2422146628	10.2255404725
0	0
22.0007602535	27.2466964937
0	0
36654.5218714557	17068.6977839012
0	0
0.4370377169	0.5530640881
4.5215501639	3.8146318895
12.5390669731	11.1453699403

gene_expression_table

11.041281537	20.609527964
4.1032530167	10.4980818626
0.1104470105	0.1630637012
6.8794622969	9.2081075118
0.0218399961	0.3040197399
6.3229371881	2.6005114435
2.6621281087	5.1335308389
8.8284658331	11.1722792234
0.3184432665	0
2.1591647744	2.8402451441
0	0
10.0893762422	1.1926098492
0.8956970809	0.2428907179
2.8812162078	3.4876045426
3.4345268744	8.0407246104
49.7327346057	38.9667344361
0.4945920955	1.2205015162
0	0
9.8958456028	9.4376464582
9.1517298976	6.7333515196
161.2429977034	100.5069571751
0.0749013846	0.458134644
0	0.0433892447
5.2863125443	9.5886303832
0	0
0.8542576116	1.1823973939
0.162652204	0.3259033675
0	0
4.095684023	8.0294344714
0.1387533438	0.2048551037
107.2170414688	89.7956281431
0.3977774433	0.4782118107
6.0300631864	8.5599311902
0.8697263549	1.1506528735
0	0.1418617109
201.5189965786	114.6457082229
6.4650841861	5.32127374
4.0414035666	4.0914641301
13.5311086505	7.1347486879
80.9917829928	98.0249913166
0.1977010252	0.0357410595
22.0567053302	17.136093739
2.9271055349	2.8707582667
247.9842663489	441.3891565014
382.1098337815	797.2187388099
0	0
4.6925129042	3.239071848
216.5570878627	209.1430054232
11.5795567338	3.8378842322

gene_expression_table

6.8167219385	7.5252012417
0.0538567424	0.1363096547
24.468599333	19.3657847672
0	0.319157016
0.004516	0.005715
0.9712661397	22.3290392369
2.6905164172	2.6537447255
1.3968727997	1.8308525445
0.0528950837	0.0722224322
0	0.008401
1.5998606195	2.0245974666
0.5544740441	0.1169463068
10.5353848458	2.2220595561
0	0
0.0863453201	0.7102458444
1.5876497727	1.6073158717
69.0733784953	161.0206897576
7.3014210536	6.0151906993
0	0
87.6393228377	73.5819521089
7.4446737023	3.0147561274
4.9263206436	4.2916444551
1.8697705591	3.5492461259
2.167355503	2.5357527429
70.2604277633	50.9063898699
0.2269303413	0.4690551756
1.7274694369	0
0	0
0	0.085103445
0	0
5.7540624933	8.2930153829
0.7228632093	0.4900562021
2.4769981477	6.1267194973
0.6474768481	1.3109941907
1.2457600702	2.3647335131
0.30922382	0.0244573557
8.0248691144	7.057101171
0.6639281418	0.7876783242
0	0.2604734437
540.7488830543	539.3503146218
13.961013408	11.6529885779
31.75973873	28.2947669287
12.2435483407	13.8800509137
8.0205806001	6.0899481989
0	0.090748706
2.5372202739	1.6054053947
33.7004460027	12.2882234194
0	0
218.3631134174	344.115222255

gene_expression_table

2.0290370814	4.4934982135
43.0264139339	23.3353815556
51.867723785	99.5153086179
1.3231613161	0.5728344017
2.1209337686	4.0260105309
37.0505231097	41.9712765479
6.775061048	12.2010759242
359.7911588064	362.3319572627
6.2022254406	5.6306715794
401.9356275571	180.2639862689
23.2717619871	16.24829487
95.8428553423	93.2589275862
17.9066327915	9.2966363651
6.0227744546	10.2727566002
0	0
47.3776054644	48.2975549037
53.8128742527	46.6332251204
90.1272431904	43.6615086697
134.9437432251	110.343111799
12.4095010643	17.102324002
2.7801841632	2.8146220964
21.8716976114	15.0723284421
10.0294128748	10.8411329408
12.8334840177	21.6540857065
3.474162465	4.8361454013
17.7198572957	15.4166304893
0	0.6998155718
730.33101394	528.8074112195
2.1317222066	2.0232447094
2.9932022283	1.2626161668
0	0.1380025838
12.7241238727	18.699295127
0	1.2169474893
0.7813754858	1.6068290987
0	0
0	0
0	0
36.6444547966	42.0254937722
0.7699659288	0.4428996813
1.4309370631	1.5352667653
180.112513651	159.5506096452
178.91176356	170.9470817628
19.6792193904	18.9083879802
0	0
8.9442368515	18.864642592
4.1503200094	3.3422849988
0.1293639325	0.2455619135
43.0081098467	24.717160433
0.7412713117	0

gene_expression_table

319.0815313975	152.9896909744
4.1973528085	6.121080447
4.3501946979	2.4041260772
0.9678865884	1.497032361
0	0.0471598058
68.429462751	25.6581827354
4.2661871985	3.3935252529
23.8408984005	13.39728652
30.8448831742	108.736723297
0	0
40.1127813477	16.0573892402
0	0
0	4.1334417234
8.1991309409	9.7273745652
132.3417263551	59.3145200022
79.3565999335	81.925233887
2.3099631796	8.7696619523
1.8893329671	2.4828784527
148.2972031648	196.8222082171
45.7643895077	84.8027702062
0.0504834386	0.1171242719
15.3386140658	36.7418059604
0	3.7579450718
220.9812344042	321.5002431876
0.5319709457	0.491954239
7.4915908819	2.6545360302
0	0
0.1698659596	0.0413389607
27.5349689711	9.5031963311
79.1452507136	40.5264040775
0.336168233	0.4254154047
3.8404541809	5.0185113036
1.4233160185	2.0013146216
9.3886109789	2.9702834377
12.9184147722	12.2610320713
0.0583974858	0
17.6742115233	46.0415254986
0	0
0	0.2895949379
0	0.9514155268
28.5556643925	45.7023306852
7.2725298416	4.9303219584
0.0311023971	0.00984
51.8754523802	30.0654686989
3.3476639418	20.6525182776
1.9882474971	18.8707103445
409.3683091724	560.6029219072
3.8797406598	2.618532478
0.5997730976	2.5300101754

gene_expression_table

38.3426117435	40.7684412719
200.466820723	206.4746342529
0	0.9546666416
15.9823728667	15.2082703137
12.6988656557	18.9920627508
0.3476637496	0.8799255862
26.102140558	3.0028938432
0	1.0230889957
0.3062479362	1.0496193449
0	0
39.0585884331	28.4990300867
8.8640335073	8.6030907018
9.1771813837	5.0097766113
3144.1214763017	6783.2035368547
1.1137768412	0.7047331947
1.395718922	1.814430198
0	0
44.3332518199	49.4299608952
2.0970558152	4.7389104658
8.6190487093	7.1024052959
0	0
141.2708585332	85.0275919724
1.6702138526	4.2272566666
4.2616830787	5.7544829331
13.3981536056	8.8731922437
945.8544317621	895.7407662342
0.6192962685	0.671750834
582.0446436373	0
620.355857689	554.9552308929
46.6642788261	36.2191010798
3.5181909326	3.4782915043
0.5590541258	4.2448431554
0	0
1.1018726459	2.2310429198
1.7512809854	1.7286496226
6.900664006	16.4546284721
1.4509499792	2.4044867066
9.5520411934	11.4345492044
1.3929231899	0.7344673048
0	0
0.1098703813	0.0556156687
0.5264057691	0.5124291519
0	0
0	0
0	0
15.4814033565	5.3599285366
3.5866902983	1.8912074805
1.0524920915	0.6659557702
0	0.3584867083

gene_expression_table

3.4129847548	4.6646025411
4.2101507212	2.8041457521
0.414751843	0.1749538929
0	0
110.0501589142	54.2903997024
6.4281219624	4.6348776858
2324.652176189	3930.5841405133
5.0512996388	2.8597297717
27.8144602906	38.6421003917
172.8504538463	144.5242625204
0	0.7846391492
0	0
24.765470627	19.587686452
0.1566433903	0.2643062004
0	1.0135447605
0	0
0.7793067913	0.4931000039
3339.8576448207	2344.7911257284
35.4269240119	51.8513751209
36.5434284177	67.5890089895
315.3956329399	325.9133590097
0	0
2.4591554602	3.720894726
7.6414574284	5.3387228419
0	0
1.2581115425	1.781657642
0	0
2.3882154489	2.9535601728
0.0744628794	0
0	0
109.1183969355	50.0091495678
12.3419031332	32.3961372275
0	0
110.5019321654	166.6495088901
1.8796635251	1.6650784294
0	0
33.2709296354	35.9636776093
0	2.6698083486
17.1196284996	9.8977532285
3.008010447	0
0.6112660083	0.4512358336
214.6340787675	83.424889346
3.8940634657	2.4798332033
0	0.0138148326
3.5566521683	2.1097899331
0	0
0	0
0	0
0	0.0119983473

gene_expression_table

0	0
0	0
0.6540285303	0.827662416
3.95875201	3.3671995855
1.0976255937	1.852036333
3.4546170651	2.509714898
0	0
175.9258068146	137.955251388
0	0.2710981966
3.3604639761	3.8273510159
3359.8934708678	2251.2310387095
15.6314901901	11.1807886827
141.4607261687	98.9300257096
28.9841253764	22.0073621764
6.4483930989	12.1901316707
89.4173671544	482.1438800147
3153.0728592246	4781.3673315173
13.731399381	17.8686594639
100.085343746	253.3127335247
1409.0095994381	1150.3733031564
20.4695086817	23.397006561
74.4618464904	174.8970544861
0	0.4546401524
102.1636385096	198.191811728
48.5137590726	48.0914725558
0	0.2582846635
195.7372179277	102.3039264554
12.1841417677	13.8922152181
54.7602110289	56.6161373217
85.6043357264	52.4181715086
2.6473068388	0
0	0
10.4972967109	10.1254799926
11.1834150036	4.3323761971
6.5687571289	9.2760419344
0	0
0	0.004714
0	0
2.4798173881	1.8305982191
7.0113503974	7.6628289734
16.9842589086	5.3733255165
0.6083067846	4.715039051
11.5042849426	3.970495793
1.0329052956	0.3519182074
6.0742841002	2.3914822566
1.4987379638	2.2127331316
12.1848881819	8.6736244782
1.0263558665	0.2361521045
0.5539936788	1.986364848

gene_expression_table

21.7370073618	34.384784446
0.4839785055	0.1809561262
8.6754063131	8.9015553263
15.0245159349	9.744305673
0.8192995477	1.004409869
0	0
0	0
0	0
2.0334568358	2.2777239009
6.0164546295	5.6397962989
14.0335222363	16.3114327311
0	0
10.0540631829	9.3303852687
0.4210446296	0.3996188231
4.4600898074	2.5398768409
1.6957869708	0.7376843019
2.8801591021	3.0373285598
2.3964571325	2.5272311122
51.9275997018	25.2997085657
3.8276356567	0.9687620733
0	0
10.4303142917	11.7528835262
72.1805426098	44.6567229717
0	0
5.5367495713	5.9624033575
157.377330906	97.2163233323
0.777399405	0.4918931208
11.0448044208	8.3862116901
2.2251258673	3.8014115652
21.5746407679	17.2363354078
68.9210470348	43.3433193697
0	0
0	0
2.9721086338	5.088621337
8.8312600067	3.991362573
0	0
0.7283876119	0.2048361374
1.6784374858	1.274421124
5.7436575976	3.8512227021
3.8727161018	2.9523246584
51.7730508659	36.1872396688
394.7256425632	210.6772653556
54.0495027849	68.3987624144
13.8449797195	11.5106238267
0.5742565399	1.3496084937
0	0
14.2320678477	21.0121908021
0	0
31.9412828918	14.5849587764

gene_expression_table

4.1152130141	1.3019337031
0	0
23.4156462646	10.8991697116
3.315574018	0.7192808111
74.7070789759	22.9399954882
0	0
0	0
5.2151657562	1.8856305801
81.5529857729	51.1182167034
2.7963384376	2.1625514721
0	0.2581525464
0	0
27.5264897547	27.2422268868
512.9843542326	934.989901399
0	0
48.7708635852	56.9552045778
185.6294735286	107.9122704425
1.2988992369	2.4656036336
65.9444155343	32.8651010408
6.9611052573	14.6819415568
651.6145426323	857.4753626783
6.1869972028	5.2540359998
0	0
0	0.4870416608
0	0
78.5999696493	105.6087632197
1516.3095250678	552.4005078821
2.6878841041	0.4251841755
3091.4537122008	6375.1401168982
1.1377620962	3.2395935097
15.5719405272	16.6743383541
131.6872339219	180.5353791512
19.8033090524	59.0718007387
38.8175708698	26.3586837421
0.4022817564	2.7999454339
875.9492074238	483.3267551744
272.0345263728	116.5171605634
40.1749342118	18.4875355072
18.3771523194	27.1319835647
27.0966082771	13.0399789133
14.0937429895	8.0602294841
0	0
0	0
0	1.1346729489
292.3664208076	99.1685200995
21.8759812065	25.6438453512
0.2976053474	0.4812298985
446.7213634699	255.0827759173
33.4432494479	31.936146799

gene_expression_table

21.7769857972	12.9686680534
29.9225430525	13.2108833565
41.8495115178	44.4680311747
0	5.5382981555
0.2114223675	0.5351031013
0	0
1.4960577956	2.8398550342
3.0664955277	8.1993322008
0	0.5067395518
2.9733959554	4.0522289077
8.7867256127	5.5597288283
0.6994845409	1.1802483392
0	0
2.0861801112	1.5284365888
0.5361779437	0.8481555309
242.309165154	412.3306344992
0	0
1.9524515062	3.6289808482
6.9309070485	5.5340515298
19.7978725657	11.0952915586
0.2196142903	0.2362305509
8.4945189893	4.568611854
8.0075531708	13.0955065222
0.0249862021	0.0368895688
0	0
1.4099315477	0.6573535428
3.4621723699	8.8878257443
0	1.2668488796

gene_expression_table

LZ1_U937_2H_R1_001 trimmed (GE) - TPM	LZ2_U937_24H_R1_001 trimmed (GE) - TPM
0.0420672991	0.412194451
1.8015687679	1.6608616618
0.7307832735	0.5469861162
0.1675301552	0.8207681715
17.9806230538	10.8122205765
2.9970310643	7.9533642141
0.9122646399	0
11.5730942199	4.1086383761
663.2237547329	165.3172241938
12.2688930967	23.3435635063
0.6065635985	0.2641504391
2.3755956407	1.1771214457
0.0437682607	0.0238256246
108.8234631806	96.8678167679
256.9148008139	41.0128313374
0.4408737557	0.4799867502
96.2298990936	60.7120903008
5.163347174	12.1797516003
6.1604178894	5.0117880446
27.6880320525	24.630205844
22.5637492373	11.5833938984
17.0233589968	8.5752571255
0	0.2865870351
29.5951413645	17.5974774454
0	0.474956022
738.1639065986	298.9396238423
37.2126500641	28.4522906059
279.4457306563	86.789032795
0	0
9.7309839958	1.3356695028
23.2876674997	12.2703678682
0.1884551707	0.3077615205
19.1990364982	11.3307116105
8.0585560019	17.2728022721
4.3660308599	4.196336214
0.7075623524	0.1925837894
7.9507195315	9.5868451339
0.6045460441	0.7861589094
5.5019089072	2.3237153255
19.5394136033	40.6241862125
24.1091910417	18.8743688485
17.1491926057	13.5348446917
0	0
0	0.1616095343
4.3019956343	1.3381873589
0.0642437272	0.0209829713
0.187150625	0.0254692582
6.6704050169	0.9682911067

gene_expression_table

8.5628038689	4.1951115407
3.936558244	2.1850543183
0.2984851467	0.495572924
62.2456586402	43.0845002882
1.2107539908	1.9040210881
0.0113073102	0.006155
0.1162719878	3.0697417612
17.6140382477	16.3873641918
32.0993456338	12.2557549051
0.002847	0
0.0461413234	0.0460486061
74.9192898417	82.5687635239
29.1582563903	18.6561625285
0.2390181276	0.27391905
0	0.2678043281
52.9787582902	49.9766345385
1.2540190649	1.2641406176
10.5262875771	10.9337102697
25.5471153191	27.7109454707
0.7789701304	0.9275853333
10.6764294913	9.1095443031
0.0537165068	0.0292410369
810.0797531158	1189.9741265835
0	0
41.5395353779	9.9897242377
3.39650694	10.547233426
2.8193705598	1.9770389031
14.1437781921	9.5767403294
0	0.023396413
4.7567383375	2.8359776881
29.7279634489	38.2456695003
20.8637811655	22.4931457717
41.3473262418	60.8756619023
1.0561991589	0.7186887335
0.3409590825	0.3764444232
22.0490880985	13.5240658707
2.8162252744	3.4140621186
0.0469211942	0
0.192735889	0.0629504513
153.4870103022	110.9420693182
3.5995388915	4.0756343292
0.8593508533	1.9013990673
537.7320969882	774.8016793948
0.2154048967	0.2149720574
0.0621633168	0.1522760836
3.8383819737	8.9461167629
0.1224326308	0.6886881765
3.5099318202	6.0138844663
0.4941517769	0.6724892965

gene_expression_table

6.0740400531	2.7112933581
4.4858121451	4.0918156048
11.1330846058	3.5913417508
11.2079242882	26.8749818283
5.442168426	6.4527123745
5.8502441731	9.4431206342
19.2510736579	15.7998397138
1.1339246454	1.6815055087
0	0.0608525488
1.114192242	1.444831117
1.1635914183	0.9920085673
47.1314121816	28.7170530022
19.1991262054	13.5595407486
0.4323489618	0.3399540894
15.6555524778	15.5405425632
13.2108704405	7.7153300116
0.9386135002	0.8454439849
0.591554394	0.1932105965
88.6629325937	72.1567482994
0	0.1105843876
417.0440126256	195.2489346547
7.141114159	7.1382316864
1.9961093989	0.8369749921
11.5659798044	6.0572240971
0.2881158926	0.7449820879
0.1175187332	0.5117785677
4.1011312337	5.1347169602
19.5730983994	16.3461568938
0.0898450317	0.1141184483
21.8495466391	55.2192941044
7.7978761126	6.6905427079
2.2718998472	2.7980970693
192.40369357	313.1213666426
8.2367763421	21.6061146003
12.751362474	10.9274127674
6.6539477403	6.9312421449
48.681160175	37.2978061275
0.3768201264	0.7148919175
0.7924664688	3.4624391072
6.0993925681	17.8463769231
1.9674836294	2.4642454338
0.0764626684	0.067812921
0.1700424224	0.7489272127
0	0.0729331707
23.3078284391	11.5114608018
0	0
0.068481204	0.2236699517
1.1002825809	0.8235537367
0.7221096925	0.7349009356

gene_expression_table

1.5927044105	1.9762549674
0.1568960957	0.0854077229
0.2171859395	0.105090677
6.8085324719	0.7412565008
3.4963522001	4.0431025702
0	0.0908396811
0	0.1079427421
0	0.0941394132
786.1754231121	703.6875638344
2.8294470287	1.3546632271
1.4432297819	1.5545531647
9.1435417085	4.4371855165
0.2145264997	0.1751689845
0	0.1989040422
1.3742857692	1.3769452937
15.3837229406	6.3681188216
12.2449569631	10.9127838798
1.247208651	0
5.0573032616	5.1030960056
2.1819685151	0.2375546203
8.5479453072	26.9300863001
0.3215493552	0.6418064538
1.3750888876	0.7485413203
18.016083594	14.8966160635
0.7787308277	0.434778198
0.1496437517	0
0.0754090821	0.0205247873
89.687409037	103.0939541327
0.675063203	2.7109442504
1.3344094833	0.2793835157
0	0.004231
10.2631953046	7.9968745635
1.727033931	0.5247212624
4.6631530913	2.9305760316
10.9622885985	16.6098367896
110.1626076399	19.0959398741
3.0053304354	4.2231038294
85.6073235958	122.8132471452
2.9447253965	2.024824789
13.9909688957	18.667836206
72.043677737	92.3854077223
0	0.0279478297
0.3454640196	0
0.8102122722	0.5719057177
0.9431748392	1.0451870917
0	0.0828023984
1.1788741938	2.2861637821
5.9287225715	19.5851544581
0.0756547125	0.0741299141

gene_expression_table

11.7665134912	9.3843651356
13.1576371883	8.9372433308
4.9168946699	6.4237281432
16.0236991166	8.4688873362
139.9919133373	358.3019234959
0.6230850656	0.4111292726
22.3096841252	24.6442562261
0.7061015696	0.6313586635
1.8452213574	2.8348147661
2.4048533844	2.2373749667
0	0.0156423376
5.2845515255	8.6463855141
0.8085339414	3.917177659
0.009144	0.0447977483
0	0
74.9761443387	35.9554417229
0.8329140213	1.3098332718
0	0.0714429934
4.1287582132	9.5519796177
0	0
0.019971342	0.005436
3.1605787961	3.351831395
1.4022320907	0.5801208847
48.4698182401	21.6841067714
0.8080216707	2.9690108707
0.3990110582	0.8304899352
0.0375303721	0.0510749424
6.2953430978	4.7708150792
10.7189057061	6.4491302853
1136.8240024869	1841.7293792949
13.226389549	7.5062761559
52.8904115881	24.8361703027
137.9681058327	88.4854210031
42.8457138331	29.7043663463
5.6214348246	7.8444800598
37.220094433	21.5642748595
4.40012135	1.4986998093
122.6156674147	112.31061918
81.7933288702	45.0430265528
0	0
0	0.0243565464
0	0.0518790027
0	0.2282809374
0.2875941486	0
0.8293778553	2.4879368226
0.9711175938	0.859033685
0	0
29.7534293559	29.6494927368
3.2183815322	3.9028663382

gene_expression_table

18.1746995675	12.833699472
52.160610007	93.2309269344
7.2431001385	7.8677913112
31.3929632032	17.2556323753
0.0154852486	0.1770200601
2.3211762942	2.0068179444
5.5055547384	7.4986050755
0.16770917	0.0946751677
8.4535411209	11.9010955344
0.2421136499	8.0835261863
9.1670243345	3.8049875373
0.4146657454	0.112863411
525.0525492942	484.7073601966
1.6987318954	0.9545487913
2.7374155458	3.0512296542
7.288343156	3.8087726658
488.5518285642	150.2070571605
0	0
0	0
2.0732853953	2.8343514243
635.026014415	244.8711971195
0.3801102666	0.1750829837
373.7459011698	110.4138184302
0	0.0906193011
3.8823551926	2.6123886164
2249.7311147551	1053.7302127668
12.7125692314	12.1830856735
4.681361739	5.4825884323
2.5192635236	2.1942120089
5.2224642857	3.3167082781
0.8001104319	0.4355469123
5.1664855662	3.6978118999
9.0629495941	2.9256764494
19.1036886325	9.7583150034
0.0962709505	0
1.8920857427	3.0106901654
0.6538312317	0.5796388411
0.8375370067	0.9736604859
7.0113493062	2.5310664946
3.7888153734	4.4606992409
2.1273641549	1.0244277441
0.3682048007	0
0	0
9.1552618955	11.646504775
0.9779140214	0.9745840159
11.2569999261	3.6176425848
116.7910261484	44.7732740468
1.6521217923	0.6512509398
1.6622540015	2.9715224194

gene_expression_table

27.9975581131	11.1911128204
25.4952885745	8.2138516774
45.1616856912	27.9801556933
0.2608301164	0.1656492719
15.2308224956	6.9644632207
3.2366038414	4.2885145697
10.5279759257	8.7189468477
39.9605743172	16.7343283102
1048.4901229457	688.1457484292
4.2926063581	7.8802043451
43.4995438965	20.0616684279
2.6384876564	1.4669355601
61.4125779795	51.8766313572
10.5919276519	6.6407724599
7.6583401819	4.658600683
2.3567550109	1.3073561799
38.5887071357	13.2842793492
0	0
0.9710469869	2.2741993141
61.6296715091	70.1042661587
11.7183790419	12.8079644592
2.884320607	2.6018873426
0.4311210998	0.6342822539
1.96598749	1.5820377323
86.5004108595	99.7725660406
3.4885451525	3.0042910433
0	0.0377936712
4.8325767466	1.3230190789
2.6769029142	0.8160291145
18.77757742	10.916811724
3.8540117875	3.9222806424
0.9308548332	0.253359369
0.1419994896	0
11.7011467402	13.0372311634
0	0.0551553504
0	0.0309934895
1.231539467	0.1787730596
77.3795916886	47.8914261229
56.8435142122	36.0656763881
5.5275497897	7.3552568132
8.3986141646	6.2518263701
14.0723080669	6.7374430643
59.9123650607	120.0416892943
0.3594005868	0.2608570178
1.3785066728	0.9380022758
0	0
120.3231633393	58.6975633915
0	0
32.2793673295	28.6882414493

gene_expression_table

130.0453235018	81.9563440154
3.2406936899	16.4649253691
2.5475671138	0.8320738832
5.1145213252	8.582810445
0.9922035256	0.6429933572
11.2204663243	5.0267341277
3.4207322283	5.880330489
43.3656003217	29.1697325191
0.2858054739	0.5013153899
26.4044294824	17.8798541298
4.3971590332	7.5752977376
0	0.168042305
2.7683984686	3.1814470408
4.1419247802	3.6354722891
168.0338231281	179.600336972
0.36290255	0.2116597358
0.2095280729	0.1425729836
1.895202248	2.0117554225
0	0.0399598262
1.9397993683	1.9145692451
0.0664589722	0.2713312966
0	0.007029
48.8309282905	16.8935013115
0.0311903838	0
23.9499303939	32.3685884247
4.4333251915	6.7397851325
1.2253027789	1.3542202003
259.4313497835	60.6463130119
14.273660395	14.0786657074
3.4992146547	4.3123812604
4.5653831221	1.6568033968
8.1940769271	4.9275850769
28.9250399142	14.5812569078
23.9573901727	13.3647496262
12.7903600742	2.2900052411
2.5120356969	7.7602672676
2.3575315488	2.6241477511
1.1679356479	2.039942871
91.1127525916	91.7563019791
0	0
54.7536695431	25.8962089331
13.6988165815	12.1752733097
17.8464085231	15.2621404025
0.2759845811	0.8513291268
4.9512716141	7.5467469692
9.0426007204	5.1079347495
95.2492697349	35.8280506286
0.2583536447	0.9492997618
33.2167058107	21.1174260491

gene_expression_table

7.736361897	21.1230922181
0.1718925066	0.5206394565
53.7810537393	10.9785650953
18.1988110916	26.7249903446
8.302513029	6.8512825257
0.2117205389	0.0576259372
18.0683058277	13.192709105
8.6970302221	2.2341651309
63.0594570287	83.9985127115
0	0.0930138145
13.5046235143	9.2627092662
41.4687852485	24.3187270157
450.3741320079	197.0323119089
2.5642597906	1.9793987935
2.6669576002	2.6450257143
23.8777524123	18.0451754578
23.8058225532	32.2663564719
61.1449755216	31.677283065
1.4373568552	0
35.8061164491	28.2306980229
49.471792783	32.6636184919
0.6958632394	0.7575981344
0.1690193121	0.2249062414
44.6498004398	10.5491272276
398.3067128303	304.4291221293
0.945168818	2.5355995808
0.0825341401	0.2545929093
57.4064392185	163.0340603382
0.1942900193	0
0	0.1315343006
16.7453506973	15.6265267533
0	0
0	0
5.2506952806	7.6310164857
4.1498446098	3.1278505501
12.1099032293	9.3677618684
61.1652253801	29.498611117
58.0016244321	88.0824633131
4.4570655848	10.3169261214
6.9298619588	1.9178648663
4.90310581	5.5049100768
5.6613686384	8.0219506215
0.7561230456	0.1715008353
2.4757652588	0.7786733388
7.9199499696	1.0230184556
2.3143316727	1.1236286938
1.0311538713	0.6334867481
1.9719342117	1.4598772357
0	0.0202935262

gene_expression_table

202.1161998938	187.2176979258
13.1569546604	2.2381562705
0	0
1.4781926424	3.3492254095
1.1657580551	1.322063131
0.0635788914	0.0713825264
1.82247962	1.9554085262
0	0.050891369
0.0405622891	0.728654083
21.4244698459	26.3164544614
0.0867423451	0.2017536212
70.1467084092	64.6067751951
274.9265357051	385.0070937637
8.3664559503	13.966677588
8.6667645634	9.6378464482
0	0.3914861173
6.7177696031	6.2056060016
0.9809508254	0.9447496225
2.3163230879	3.6857373761
12.6996996906	9.5056354766
115.401422624	24.2139082193
0.0256530061	0
0	0
0.0473597956	0
0.1196299281	0.1302431358
75.0294189345	55.8051528607
27.6643569503	24.4867118267
43.4756025726	93.3073514683
0.2942469109	0.1423784944
58.1791441038	81.3028890914
0.2696877376	1.1631616608
5.2226482365	10.0486877911
0.2728336186	0.6785795539
6.4466643889	2.5644859318
68.8406243428	28.6962900785
702.1982046191	346.8136182461
35.159405781	27.9912573877
3.7846950288	2.7108301289
0.0300527055	0
2.0647487669	1.0360557731
5.9484216682	2.3693223509
1.0111580442	0.7765791484
5.3089759396	11.0817622054
1.6253530659	4.1021374877
21.1272479722	18.0839341545
37.1535031013	43.5109254662
8759.017578926	14035.397477959
0.0957104719	0.6252097039
19.8724361049	4.466035095

gene_expression_table

0	0
0.1556888455	0.1695010919
0.5920907248	0.6198261868
1.5913386459	0.7274891139
3.7030542414	3.2512726477
317.1011598483	153.0232567703
0	0.0301146334
0	1.905970681
1.440801394	3.4313671066
54.445373952	12.285755505
0.0998917201	0.5981459732
20.8853151637	19.6892119686
394.0219945936	511.3925431328
31.608575791	31.5004846679
66.2882522292	56.3083365213
7.4231973857	13.6174782069
17.1381047965	35.213432291
0.5401347375	0.5779150081
0.4265459294	0.526459439
1.1034114096	0.3990341314
0.0982716311	0
1.8630871844	0.8874139223
4.1357103394	8.726148359
10.4089345474	21.609525639
537.3013521144	650.7487723834
8.425249984	4.4487657266
2.4715902374	5.0599910533
0.1725535413	0.0234827466
4.0195357586	3.6506194577
3.6688075598	7.1148346537
2.8045441433	3.5165042042
0.4939648911	0
6.5660226331	6.3919430811
0.0206980744	0.112671727
7.388728812	9.541454504
12.6837655878	17.8398441055
0	0
13.2784102378	5.5130456755
0	0.007255
0.0837514806	0.0375453895
0.0006996	0.002666
0	0.0661821716
0.3831496723	0.5606029424
51.6955079345	24.5750914277
17.0664039395	12.7567502088
0	0.0692927518
2.0712523675	2.5256085701
2.3442595924	2.8446788804
5.263891459	4.3077388184

gene_expression_table

0.0127056868	0.04841514
26.6240237178	30.0189721207
111.0459870408	101.648585541
17.4280975528	30.4185348018
0.3920140024	0.5016195289
3.8891954292	5.2607139232
9.9282999037	12.5413378082
47.3489611841	44.9832690278
1.7779685531	2.9123555257
0.4724495815	0
8.6621518987	4.1437625362
17.7705741108	17.6042951365
0.7072905528	0.4620235468
0.7394561159	0.2378581754
2.968935931	3.8815598795
0	0.0516413775
4.5001427524	2.6753203748
42.6262777509	44.3940229537
69.9395106083	79.1744677186
8.241922767	3.518478399
0.0180673089	0.0762219718
19.4759071313	13.0466539303
2.5408798839	2.1198270353
0.3735426809	0.1355607549
14.5399088635	11.5020956136
26.6227221102	44.1250502781
33.6461119056	57.2893269659
1.7574908617	1.4936314069
1.706919562	1.5692753051
34.6103134143	45.1672450611
4.089988005	2.8812490542
0.0242958797	0.2975775425
4.7654824869	4.4698870628
15.5649743458	9.0705127661
5.6345289887	3.5160628151
0	0
0.0581263587	0.1740286748
55.0934580685	69.6482023162
0	0.0980726352
1.228547726	1.4989681239
0.5580816946	0.3172985798
0	0.00506
0.0232909465	0.0760717479
0.0134391398	0.0118880287
2.4201521335	1.9328090417
3.4102561472	4.205318615
145.3309223774	145.4697851473
0.1737307844	0.1793180129
0.0171030466	0

gene_expression_table

0.2891820443	0.185635263
5.8561838079	17.7332969003
0.019972195	0.002718
1.0616240037	1.2658850558
91.8361705663	62.406614817
0.202644782	0.178949619
0.4277803511	2.0746231966
1.9716697053	1.3718810285
4.4375535491	4.3536532034
2.0500736132	0.5257072272
11.8301530409	8.8857878606
0.007746	0.001406
0	0.007731
0.3218881964	0.7203594743
1.1170889089	1.6191494164
0.5181449906	0.3666736169
2.8039340039	5.4029922138
0.0695973711	0.3599162434
12.9827687568	30.2936033459
0.2367945841	0.2578022878
0.004829	0.0105154348
0.1596963359	0.1431822122
2.9554177171	1.6088067469
0.993563203	0.6552661161
0.1164135006	0.247145645
315.536635347	217.3193564721
25.2887528677	71.3666068035
1.1132633774	0.2250910551
0.3627461534	0
4.5150575025	5.4121470888
0.0107857572	0.004893
4.1825179091	4.1396166604
45.4789026877	40.9235419809
1.9074900801	1.676889194
1.7802795567	1.1306286879
0.958612069	3.4850697468
0.0161485898	0
76.6939566648	48.7177817833
0.060982904	0.0878732523
4.9142232086	2.8388807416
0.003039	0.0132341872
0	0
0	0.0241162218
1.5823432218	3.650534098
8.0318823858	7.104863065
11.7966094917	14.8089604365
15.728370686	31.0931149364
0.0542492035	0.0541401939
0.20545404	0.1846909857

gene_expression_table

43.1206395535	63.5402009753
0.0529739161	0.1071081193
4.1252135849	3.2979241366
9.0405478641	10.8913995335
1.1899117231	1.4617109036
0.2183817801	0.3863534272
28.3224192429	16.3548848731
1.0031533761	0.7379392759
0	0.0222304064
0.0677710285	0.0368917352
0	0
0.004597	0.003337
0.2752865563	0.5780105076
0.2207311693	0.4369341366
23.1192315349	11.8659986969
145.2640848389	109.8042935907
1.3624751304	4.062096454
5.9601859259	8.4195540984
2.102009532	2.3615305262
0	0.0161698505
0.6209741826	0.5720551232
42.9734209408	31.7012730472
11.1558213428	20.3283273342
0	0.0198349913
5.9358637457	4.5606059996
0.002456	0
0.849840651	0.8789741612
0.0937100512	0.0170039542
10.1801050555	9.8751262318
23.8645481342	19.9986668752
1.777390602	1.9819862715
12.7043346131	11.3115297521
0.8646139177	1.0166254549
6.7721459321	5.4058588636
2.5205269439	4.5869210123
4.2849305435	0
0.5194496263	0.1767292612
0.0805809311	0
0.0525337137	0.2001802141
0.6806574872	1.1115650604
1.0768283616	0.4187004776
0.8723414452	0.7122997172
1.6955528167	2.1635646356
5.8543579902	3.2435249753
3.7277328424	2.6503045083
0.5502141479	0.237277124
6.5782795883	6.2666491831
0.36367689	0.6345211708
0.0161724187	0.0176071871

gene_expression_table

0	0
5.0730241948	7.7323227143
0	0.0205336174
3.0681824956	1.4745569269
0	0.7960933014
136.3666601031	144.6971911771
0.0445024395	0.1493892334
1240.8035383342	1456.1882005665
0.3267683954	0.2801596654
6.4327739971	6.7929835564
15.8426932786	13.1397303423
2.5763965494	3.4340641786
28.6512673327	21.8489266196
0.1989995478	0.2354936843
0.0221186059	0.064215739
54.9330101508	13.2772783727
20.2667316581	9.1310446625
1.874919974	1.2521998186
4.5630016551	4.471035702
0	0
0.5012935521	0.2030760221
0	0.021799933
7.0835268291	6.5726898052
1.5087747789	2.562010501
0.2008679774	0.2574002989
0	0.0859810274
1.351695075	0.6351173618
2.8489169807	4.8314386711
1.7651884452	0.6321679797
8.152123895	7.7177007163
4.7717706081	2.1043474445
1.2346638044	0.2496370437
5.4493643625	3.6852612173
10.3585618185	12.6334300057
0.28814877	0.4346224744
5.8909172362	2.9333252767
2.4937296168	1.7266728182
2.3843662358	4.3053951906
0.005335	0
0	0
0.009796	0
3.3413982131	3.9507692359
0.6763217021	1.4726458614
0	0.0633706782
59.1583537666	8.6451953151
0.0061	0
0.8470302874	0.5861782906
9.0407834445	8.3419937731
0.3596895489	0.7614446867

gene_expression_table

21.13986162	13.4977103379
74.2209252812	71.3521724881
0	0
3.364106465	1.8312799395
0.0255331671	0
1.4983249977	1.5147338959
10.9882193572	11.3227846384
6.6765303761	9.1854750065
0.995407018	0.8866771664
25.819514552	43.7371652717
9.7460960909	8.2999569678
0.8481133724	1.0112940551
39.1401500219	62.1827530209
0.0238093078	0.0259215981
14.4470697547	7.9895478084
0.8274369763	1.3512670466
11.6106408712	7.2985005772
0	0
18.7819493229	15.7601563178
0.5689663499	0.9979920386
18.8205344067	21.8936764474
0	0.0962595277
0	0.0279537405
31.7515748316	45.1123057928
10.5374179648	10.6528184413
1.222713792	1.1093244037
1.0823335483	0.5254826028
45.0367908233	42.4168478525
1.0839408152	3.73699849
124.7372403229	108.2479650957
0.4074923385	5.1019040904
3.0753774901	1.1559316236
4.8159190906	4.80185061
11.585780858	20.0716993699
3.4935774456	3.702761715
19.5638753811	10.8323291456
0	0.181454882
0.0371061618	0.0403981089
0	0.1701683695
51.1606868927	7.6009155646
321.1188640015	308.7036583873
10.0432345861	6.1550358579
0.0521793899	0.0355053678
0	0
4.432357644	4.7008401274
0.3288981613	0
0.6861681033	0.1867607187
17.1707296192	10.0146777537
0.0600539508	0.4004632604

gene_expression_table

0.0960898314	0.0627687795
0.9565419072	0.4930048153
69.2394527839	37.735000666
3.6363602275	4.7344349745
26.4838210042	31.9357123417
2.366587182	2.0397637494
0.1277960911	0.0695668881
15.247796203	9.445575644
0.8546643391	1.4441942809
0.2172308624	0.3741398836
2.9540025582	1.4435781256
1.9528413563	6.75147164
2.2876274347	6.1770309143
0.6861390466	0.2667897287
14.0489914657	11.4455192768
12.001656479	14.6997082889
12.0836845245	9.7667634498
2.9389531229	0.7999220526
4.6215325834	4.5187109163
24.9443854919	11.9524979948
0	0.1673966207
30.0467824301	85.1905724896
74.5028688809	130.5652926811
13.4228536153	25.8038911376
0.1267617889	0.0690038569
6.0099399066	9.51099628
3.7208007247	3.4809232452
1.1920796211	2.7548434145
0.0336702631	0.2657660608
30.9630736262	34.9424339472
3.2584243357	2.6947370572
0.2254001195	0.2331270936
0.6412912747	0.0775760788
0.2906540265	0.1095369155
5.6660493867	4.0315284518
1.9430197932	1.5865490017
2.9775312222	2.7315570046
29.3462496094	60.3722677569
1.3563233302	1.6161138615
13.8900454165	7.6545119547
0.2998846282	0.0989362094
0.009878	0
1.4510889787	1.5589003937
0.5845860155	0.5568926385
19.2358959523	23.0049605252
1.8001829891	2.5471492154
21.1611967642	17.672431585
2.0044679329	6.164992706
0.1555196347	0.4481917127

gene_expression_table

0.4179221839	0.8175762991
1.2055681123	1.156269814
5.3612495184	10.214546057
14.273287841	24.9743105942
0.232069527	0.1894935284
2.3548460564	1.0255043682
1.5827682858	1.292390048
34.9239413173	83.4229238851
0.8757204501	1.6560706748
3.8829664036	2.6421571948
2.8457470364	5.5281842656
0	0.7296104326
8.8141580541	11.7469789674
0	0.7296104326
0.8927249475	1.4856565129
3.2858653325	25.7995609449
0.3863446333	0.210309984
0.0453984423	0.247130278
1.381085181	1.447225498
5.2926153497	2.9719659464
0.8610965883	0.7499923915
0.7373496046	1.376168649
5.544832759	4.1251149976
9.8173776231	4.4804682129
30.7427821883	56.5530786734
9.2642402786	7.6535971888
0.1662857262	0
33.4653553566	22.7525407255
450.1654594301	269.2788264887
17.695325002	33.6443003818
9.0812049403	13.0379380942
0.8184715815	4.7895760704
143.087747193	761.2078031408
0.0402160314	0.072973128
0.0409262321	0
0	0
1.9562379594	1.2440359294
3.971721825	8.0257564893
6.7768272786	6.153030379
0.2852821071	0.195807671
1.6315835319	1.6796017291
1.5736542297	3.2323582743
27.0877495148	27.9387409574
7.1888954857	9.8171412663
0.5441145403	0.6565619777
0.3711457633	0.577246714
0.1817692295	0.3392489986
0.914188465	1.4307329943
0.3745641896	0.4595295089

gene_expression_table

0	0
1.3584677877	1.8552204933
0.909395401	0.8181863409
6.7015618981	5.8368834612
14.5388894175	8.6126945808
0.5316549864	0.2894109094
16.1160099037	0
18.5985265807	0
6.2257113491	2.2593459157
126.0998014077	210.2207137954
120.1888732167	199.4951671732
6.2257113491	2.2593459157
18.5985265807	0
13.2523914098	42.7690218074
103.5291633268	26.2125487243
14.0912305982	3.8353405555
24.2669407775	40.1015289277
72.0472211675	31.9093703702
1.6583278169	1.5276881877
0.3883722428	0.3577770823
1.1056052781	1.1890120935
123.0075720437	56.1323782534
254.3178520161	197.2964905753
2.286102851	2.4157155237
478.0836259596	460.6567989375
1.338916867	3.0479214163
0	0.3767227733
36.8368982387	30.3813967677
14.5809101077	12.8258620102
2.8348865428	4.5277227056
3.9495720917	6.7894204045
2.3668260657	3.6669899665
0.9094521722	0.8911224318
0.9851546985	0
409.4605233488	355.3707683899
396.0274600536	185.1109220872
3.3645858615	6.5508487513
5.1780537545	5.3331417467
0.6880138748	1.2172101463
4.8948662176	13.0922229914
7.4608598798	11.0386292813
41.3109606496	93.0978755999
2.2409085871	1.9770106428
1.2652493602	1.9186585978
7.2009353206	11.4242793012
0.3809359949	2.2291817663
229.9217834818	120.4368623046
30.0647556243	6.2692358583
0.4770011189	0

gene_expression_table

3.2115836766	4.4999408028
0.1887368844	0.5137026336
2.205755174	0
10.450657404	0.7340521495
0	4.0224919309
69.1423775156	35.2272502039
1.0372775728	0
63.5189006121	57.2579536992
10.3920114092	14.1146645094
132.7119007362	86.1805224297
14.4338345044	15.3823673767
5.0675442722	5.5649578824
12.9155550712	38.926027259
0	0.1358340305
620.1091967783	493.0622408164
5.4329870091	9.2560435284
0.1134021576	0.864239993
0.145827473	0.7673634326
3.5290258527	3.3947413976
0	0.034165127
177.7372127733	94.0726301164
0.5032983583	0.4794557914
1.4376954871	1.7811391658
0	0.0217113036
0	0
8.952132557	2.1136638469
27.3971965141	42.921689204
464.7555366908	239.5916643138
0	0.062677193
0	0
0.5618933073	0.3976328152
612.9226553479	50.3451886911
0	0.6054378326
18.3912088056	0.8973320739
3998.5360567046	4662.8279247958
1.6437200719	0.0894772988
3333.3960928458	4304.2197029355
7.1017070789	0
0.8910821241	0.7276021888
0.1673791311	0.2733427567
2.6829909443	2.1345899574
2.022800474	4.5618185936
81.3545146247	26.7667872799
121.3634215194	152.3617709821
196.1742463593	112.8630201612
0.4950318612	0.3307190727
5.8380437497	15.6545370366
4.0572867832	4.1750639864
9.3083099433	9.3007175895

gene_expression_table

5.1721294285	10.9491378991
69.8264986189	80.7489882139
9.2845599554	19.4455475688
1056.4026170435	901.0639638251
43.0041632078	47.5806537682
9004.036714808	5363.1552114024
1.2299356534	3.1996291518
147.1723545589	66.8657693145
0.8670335542	0.7079656238
117.5518704932	203.8346881857
10.3085187606	7.5973196427
361.0893790707	278.160398765
2.1641516884	3.5342230819
31.4212498574	33.2907894465
2.7258488823	2.2964175015
0.0229080803	0.0124702081
60.6002210961	32.0782247219
0	0
32.1412507847	24.7491288207
0	0.016570829
49.7330766026	26.0178453237
10.7965911148	38.5336830657
49.3227630046	33.47128121
217.7166295247	152.235901485
3.7099011377	2.1134471942
870.8510984019	2080.7965448202
40.2940112005	8.8087566341
4.6988495709	6.0884242072
0.0689072774	0.0375102619
1.4745392836	0.9364576531
274.810637121	214.5114917948
9.2245841702	5.9076244417
4.7344713859	9.2516656914
0.4484847477	4.1503202147
118.1693880445	160.8956916504
1806.9785369093	1904.3953947892
264.5792361499	183.319040546
0.841118046	1.9841022735
7.2694748564	14.698172943
1.4706657207	2.3174376833
45.638666332	42.0004978582
8.7889230884	4.5093637589
7.8793336775	13.8360717388
58.5133548744	43.5200417694
12.3352234336	15.793171239
2.0328035125	1.3371100869
35.662947233	42.671099957
262.4657268319	178.5943107565
11.679119265	11.5441136565

gene_expression_table

1.9620961722	2.1964827632
83.7681269851	28.1716608486
18.7381477437	25.3748650806
21.8253943506	17.0112011062
1.6586126014	1.4665274075
0	0.1557216394
14.2401412366	19.8849030896
17.79797051	22.0265639281
6.34721257	8.7926063551
241.7864063121	246.3591164754
6.6993921716	4.5740416612
98.1260929861	127.4109927781
2.3179646301	6.5957922899
20.3320151955	11.7944853452
1.798602887	3.5083870727
16.3725835557	5.1614796508
9.165975321	7.3786534581
2.3022871291	7.9373738898
9.7722466068	25.0464757847
5.2513930455	2.9805729561
2.0617665019	3.8580441432
53.2554356095	86.207250653
62.7607926674	32.2976777786
2.0647344703	0.3549333958
0.3413578516	0.2295436464
7.2274400784	20.5047418785
1.1145606123	1.9051024952
139.9900302459	52.6751203318
4.2442914622	1.5933904288
0.2514587257	0.296581337
0.8974795718	0.3582704627
0.7122457286	0.2584780096
123.2651872626	43.0262440858
8.427075951	7.623096988
249.1085122789	208.0999438354
603.1878744437	326.6890325473
2.7772745571	3.0408459285
11.0011415974	3.9384255692
0.031834472	0.008665
0	0.0503777104
0	0.0834052992
0.1502206194	0.1226608059
4.6557773568	3.7522462857
0	0
0.037708595	0
2.6334981618	0.6143859007
0.7408728021	0
0.0232785791	0.0126718923
5.2586226409	0.801521257

gene_expression_table

0	0
67.2447670122	31.2584245346
0.1772392261	0.4824083938
15.3280560134	12.7027413224
0.4668102898	0.0163943321
208.9832475469	72.9792721323
0.1335887783	0
7.565203448	1.319930378
0	0.3292579417
0	0.3432894927
1904.2187121822	1513.0428807176
0	0
58.6689027156	25.4435179103
4.2844018008	6.2900089927
0.6465077709	0.1508279994
32.6376325328	17.5957401665
13.9699083293	19.671805514
35.3111184273	34.8740319226
14.9655782399	16.6162279904
4.8315154377	15.5282597804
0.3641901066	0.2973749687
0.0273832136	0.0745314251
0	0
6.6422506664	6.885524904
0.9343503363	0.0726602207
0.6211589703	0.2847437167
10.1541669635	5.2826175142
0.1219030492	0.3317948034
15.4602901967	26.760060289
1.5541288301	0.8460032343
0.9381589104	0.8511579575
28.09680022	22.8799242056
0	0.030784423
42.2755683733	42.1361372312
27.5341053659	27.2587404147
0.6237839016	0.2910532005
49.3363117966	68.216744648
4.8671576522	6.4866545643
15.1743652954	20.9017401473
31.9167043152	27.1793308187
0	0.1842608653
146.7649537295	302.1722826637
132.8493076366	72.3176494493
61.273016023	18.4640909717
3.9934067216	4.2837531486
0.1574831938	0.5143638883
28.0352174074	41.2950356157
31.30787839	27.3661121254
0.6673930974	1.4532044139

gene_expression_table

11.2362830515	16.0444599648
4.9082262078	17.7312662607
1.1868530378	0.2584294144
0	0
1.3063053451	3.6284252431
8.837962812	1.7071361837
10.3620362378	3.0372797935
60.4001469986	23.2991079414
0.5158956368	0.6745762519
0.1019668768	0.2359027771
0.0105132869	0.0572299704
0	1.2304626847
8.2664847975	8.329284493
3.6985627651	5.4434858143
0.0762029039	0.2169811909
13.5281145019	17.1322156509
0	0.0128897734
94.578126586	203.6252498109
27.6804363014	22.0600472467
25.8840170586	20.4166518573
6.6412570819	8.993807647
0	0.0155021975
26.0847052452	8.2153850469
25.2624781094	19.2180590049
1.3500994241	3.0534597771
0.0956810965	0.2343816806
97.0237762515	68.8259005102
12.4508675675	17.7797002716
5.8043169093	7.5798359239
0.0395257274	0.1452341174
70.6760945651	80.5689178739
4.597581488	5.149064507
0	0.0788279516
58.055627843	40.4637493659
3.1250600511	0.8845995563
0.5042179138	0.617569438
2.0222672753	1.7833581671
0.2367091148	0.3428019082
1.9452904679	1.4984934843
0.2030806484	0.0340149774
0.9538076493	0.8567019426
1.2002797429	0.5444853975
20.5882472335	12.6083107378
5.1409767859	4.0240994604
0.7662367466	1.1261902063
0.562376773	0.6906694679
1.7444493091	1.3980307673
0	0
0	0

gene_expression_table

1.4586635207	0.6260667531
21.8679391735	19.3824140869
16.2863539151	11.8985887417
0	0
2.2000945534	4.314226502
6.2941869891	3.8174852367
0.1203516608	0.1538596912
0.1465091809	0.1709003948
95.4679981401	164.386715018
4.1696640079	5.4619122569
0	0
0.2304878443	0.1471004332
114.5691677915	117.9870021558
0	0
0	0.0117976042
2.0775168039	2.285720398
4.5289630747	5.5242763607
8.3212807184	6.4904021961
0.0913796437	0.323331356
2.6817490917	2.1250732164
0.3474025807	0.3713712258
230.9322149242	160.593959626
47.3054432172	54.7211299481
2.780919675	4.9627499631
0.0124389984	0.025730843
1.2467600524	1.0562162809
0.005502	0.001498
0.0257821857	0
0.0981819658	0.1989385862
0	0.0569611327
0.5242111246	0.8968418799
9.449847736	4.1852257066
71.9691343836	70.4695953713
2.7442072916	2.0650038289
2.2673100269	3.2089966448
0.0333959578	0.021209269
0.0118972502	0
21.3162312588	12.8188709384
11.369010532	6.7760775405
4.3963146803	5.6162613843
53.9199461285	78.536562644
0.3118329665	0.282914875
3.4700486528	2.4465643794
0.4929320919	0.4523940631
0.2236771199	0.2957041705
3.2811479317	5.6547491213
4.494457864	4.7327601104
422.7449402793	371.7212503124
0.004291	0.009344

gene_expression_table

0.0208220518	0.0226693216
183.0854935098	731.2897152652
0.0653384598	0.0355675458
5.251972802	7.2206966182
59.2297256202	18.7914688359
3.3926902671	1.5530243563
28.3358816079	6.6476399913
0.2161107928	0.1925046759
1.0596142059	2.0680748661
0	0.0387716285
0	0.0571859489
6.5381628368	7.5152128199
8.2422009441	2.688787768
194.0462716131	146.93129739
0.0611492751	0.0254548622
0.0949036695	0.2677011161
16.4829936649	11.1938610242
1.1477663263	4.3167747985
19.7470166036	8.171009365
2.3887973424	2.1216434773
5.8135668629	3.1546497593
14.4011264267	25.6174350463
0.3279194648	0.3697619046
35.7216296937	28.2278935593
0.002305	0
14.8991586365	22.5778327349
9.269929128	6.6202802331
3.1598030353	3.2141372385
7.4490318359	1.8612856673
0.6208425977	1.3625162247
10.1143143801	5.8249905392
30.80880722	8.6517249188
0.0435238363	0
7.4712380407	27.4082585341
20.4592968607	12.1082497441
24.1932266717	12.2316180935
47.3261626206	20.4165588398
3.0568581052	2.1813406792
0	0
4.7589358249	2.2335631995
0.6286960051	2.0411933602
0.003798	0.002068
0.7472218203	0.6029081815
16.3851518583	2.7352816365
1.5771716788	1.9628872513
5.5666240681	8.4962685143
7.945463392	2.8543278793
10.5981291891	6.562650791
1.0452251069	0.4316378519

gene_expression_table

0.5355615503	0.2068975669
7.0817056395	4.2265516163
4.4166272614	1.9718892288
0.0720075295	0.0391979105
0.7409473366	0
8.2218918134	16.2087149581
0.0562524176	0
0.4305013167	2.2262969728
18.710715634	5.961559833
0.7181878621	0.2792511895
1.2603151173	0.7630049153
8.072139788	3.7916319799
0	0.1073559868
0.230857866	0.0571224732
97.4401180729	31.9009188738
18.3935212504	20.6831057845
0.630971645	0.0858686941
0.141038233	0.1535507211
153.4610397324	238.5929058019
49.7309497976	22.160096244
0	0.004554
55.821865591	60.4964522311
15.3215236983	10.0285390149
0.0438946181	0.0621254617
7.389957633	10.7161045374
24.0605365996	10.3319378231
12.2449988086	18.0293385213
11.4415160623	12.7792821215
11.8765466872	9.8566265054
20.2821724325	15.561920265
0.1409680459	0.2959861639
1.3145242604	1.1449159213
115.3292443937	104.2942115392
3.3905368091	1.1745156957
22.5071635027	17.6033989927
4.9514826747	6.9142399293
11.0505899161	8.8695435683
9.5352456096	10.0292793992
15.3885184945	15.5848759082
650.4430355816	275.597225025
0.2117844642	0.7022006424
0	0.0271160018
0	0
0.0197863399	0.0143611496
37.7104408663	27.8191274949
3.6147177301	2.0470451462
8.9733050071	13.0075581373
0.1072570016	0
0	0.00295

gene_expression_table

11.8484821846	11.1796913891
9.4713889081	2.7614822554
4.7808864803	7.1444870911
0.9263064824	0.8193945575
110.7889999354	38.5443274194
0.0306841808	0
0.2980792458	1.1155510457
0.0620094426	0.236287569
4.871229056	6.6182799031
4.5054779333	2.5031641697
123.3022210797	88.1780585856
53.8554737017	41.2265878963
9.2559092028	8.1034467985
0	0.0315231543
15.3542309545	28.8019263805
4.881431026	4.6287553769
0.2526209531	0
0	2.1088233236
1.6247012141	2.2648172415
11.9238913177	1.9988445525
0.2573898154	0.9527638651
45.1122986454	32.3326053217
12.4929845484	13.5429498031
49.1188627107	61.8286249991
0.8602986247	0.1170777166
0.1431100677	0.0129838636
1.0933813132	3.6561757948
18.0108049796	20.6165917234
0.1172633288	0.0957499342
14.9779761651	7.3380497357
7.2194291449	11.0647883703
0.5418289962	0.766867967
19.2865461198	19.1665584743
0	0.0692807777
0	0.4347204475
0.004736	0
0.6058206343	0.0599606564
0	0.02348708
1.1605131341	1.7427177533
131.0657088505	144.2489892758
3.4835714505	3.9087241564
0.009025	0
0.0845518592	0.2202697887
3.5047527379	6.155300553
2.0451127066	2.1554888857
33.9492944769	10.4723325879
12.7771304171	20.0419261751
5.3621858767	4.3292313568
3.1012640561	1.5980820329

gene_expression_table

32.2215117729	36.2428472573
11.4550902846	10.4528234589
4.5149368618	2.8393118443
107.6863963575	99.6667425511
1.4801840957	0.4338658099
14.655129059	1.6039707573
6.8843284182	5.1095697348
5.3874145093	4.5364969016
6.2449447369	5.2106917444
0.0563216754	0.0102197275
5.7283165832	4.3027123218
0.0931610838	0.078692629
0.0180557595	0
9.8792094763	4.814439739
0.1762335206	0.172117267
30.6762866113	20.1226376686
2.2338130807	2.4739211295
0.001314	0.007155
0	0.0009027
0.6848797431	0.3868359012
0	0.0241839727
7.864044009	2.5207089576
0.0317913468	0.0576862991
4.5291435906	3.29871798
0.0213170415	0
16.754205229	11.1674074304
11.613010268	6.5688558206
24.075120974	32.1159010816
7.850818754	7.3117848958
0.0540452506	0.0294199914
0	0.0206744464
28.8182556617	69.2272531727
0.4904865211	1.2787918948
0.1806955851	0.0983631771
3.431441152	1.5299270169
4.420338112	4.0370237367
8.8407618857	9.5478811212
19.2828239475	16.4913094699
0.240641596	0.1801185341
0.2527583795	0.2602267811
10.6167341885	4.7865918624
5.6516447879	3.7264900595
0.4091827397	0.8167210378
6.4496297844	3.3317826756
28.7864628727	11.6406870669
1.5853570478	1.1191194746
62.4075182302	48.4158810593
7.4057050965	9.1346389053
0.4027448938	0.3935033938

gene_expression_table

0.2860104272	0.3162497941
98.1217537145	39.8245027663
0.6863903012	0.5125183264
176.27215601	133.5226299508
4.0911817437	6.1647867128
2.5179737127	1.8481083857
418.1240180834	224.7866980791
18.6259505106	12.7513258732
1659.36973333	1278.3236280511
13.8637724948	23.9755916122
4.4120412896	3.5191543817
38.0600938381	64.7161068093
0.9677100706	1.1493407993
9.6840876637	2.1310785686
10.4980988208	22.2054658123
0.0320162986	0.003486
0.0106336371	0
2.4784816872	1.3923564085
31.3034940891	13.5240658707
0.0342016454	0
0	0.3535457961
0.0175089066	0.0476556105
294.6743931993	280.5418890527
164.9745243129	82.2691763608
190.6174569737	82.0661216944
89.7029209802	55.9644811081
0.2080777649	0.1132688994
5.0528554542	0.5918936914
0.0970731205	0.1948570064
0.1163491339	1.9000691904
154.4930156609	108.6358567365
0.3356125097	0.5480805642
0	1.1547261888
210.1428104861	151.7882470354
1.6036082916	2.8127995765
73.5131222787	34.8794443092
5.3680878469	23.9925063324
21.4760500099	16.6727703121
132.103718377	94.8623501963
14.8682599069	21.7223488065
0	0
11.4088981055	8.8587623931
14.1155446685	8.7855047371
8.3693732615	4.7993865967
4.3033157364	0.9606125882
3.8832507533	5.7238166422
0.8273247593	0.5547132625
2.817699206	1.2781987543
0	0

gene_expression_table

4.3743526356	3.2278706138
0.507009068	0.5441038259
18.0240049811	11.451181332
15.2198350152	7.9353529936
0.0179421432	0
27.1716125164	12.8518208404
10.5783465302	10.2095102958
43.3789938186	27.8463725022
11.3868530086	5.4949132502
3.9480764861	6.587670142
62.0641216995	49.7854317768
0.2538605161	0.8567850001
0.4524830312	0.1280827511
15.4301773492	5.8796837065
8.9536235786	10.7145322368
0.2532401321	0.3106297012
0.8795821876	2.0349341603
0.0802002991	0.0245574643
78.8142323854	73.2862159156
1.4010879742	1.7665821626
461.5268922766	879.1084013874
144.6625867302	337.9310521415
12.134552524	13.549839539
2.8236143406	3.6101349947
17.1271852821	9.4300845139
0.7477658425	0.5123249377
15.5609620509	8.3810094803
0.0102080646	0.0777958538
3.9169939811	7.9065540328
0.0235505689	0.0640997616
0.4911617526	0.367631101
0.6760848258	1.4464533914
0.4309731434	1.4520078759
29.4448141138	21.2999953171
1.4777054397	1.0106583104
0	0
4.1250063252	3.8173198145
0.0451803433	0.0311045607
0.005968	0.003249
0.0319236804	0.0211017681
0.2204838291	0.4368022718
40.2322837418	20.5352071228
0.594012826	0.1616779646
6.8806957113	8.3638834041
24.5654395032	0.6483590657
5.0385054396	2.5926523248
0.0118086943	0.001286
3.2002227011	5.565908602
1.0531553874	1.6730827348

gene_expression_table

0.2986684676	0.380411991
15.2806286052	12.7455371315
0.2224761258	0
18.5631560126	9.1601274972
0.005586	0.0790625325
7.8741287502	5.3604936032
66.0960256847	69.7881575595
260.7316231868	167.276380721
1.7187271553	2.740508567
0.0479868911	0.0449299637
0.9091720188	1.4054089399
19.321189857	7.6431255901
2.0168063171	1.8652513437
45.0114324343	59.2866018085
5.3580892552	3.0832150258
3.0962259675	2.3207445206
4.2664144906	1.9353824835
5.6151706936	1.3294792117
0.7021322776	0.4299881303
0	0.0601053825
2.5223643438	8.1341389477
0.0595837763	0.0162174675
0.7797065696	0.5243081073
0	0
0	0
96.5794916014	74.7749358679
13.5461377273	8.8891514439
5.354996338	10.0204422954
0.727263138	0.5814661824
1.350895831	3.4194780532
110.5870113585	79.6248910662
0.451758359	3.4428590188
0.3650324568	2.0533213691
75.3516909054	53.0576375095
0.008139	0
0.1321790475	0.1439055753
0	0.0101401163
1.5315879361	1.4370523563
2.0659703564	1.5299514868
60.5222723615	30.3016869633
37.7773208835	13.6812781201
3056.7450340747	3021.9672214887
0.4013161051	0.2529534895
0.0550822919	0
3.3312865572	0.6346949503
0.582601099	0.1938101358
1.9064545472	1.7488098081
1180.7360135582	419.9969532993
2.6988251783	2.6749721734

gene_expression_table

0	0.0113744287
56.0508912041	22.0273912719
7.5132006126	5.3145263087
27.9411354349	29.2735069896
17.5630983148	23.518789401
156.1158367801	79.3271805462
1.7694775307	0.944343264
0.2909808592	0.0565706797
0	0
355.1524978955	281.9723427915
2.048982855	3.1995972441
10.2620503516	20.8342807277
165.5868818156	80.0610157542
3.3710723607	2.1905570133
0.2630116472	0.5547939218
86.1191278877	163.5647530013
0	0.1331220225
7.7445910187	11.4290526713
2.0833426794	1.8567189046
28.1337734299	6.2783039637
0.9294483536	0.4690606947
2.9135378636	2.2433429818
19.8525641411	9.8103729654
0.3399548178	0.5775414441
21.394054596	10.6743238602
0.5874977593	2.2731067934
0	0
0.009078	0
3.506371533	2.4240783853
7.0177831442	2.8607003329
29.2507295574	20.9107742989
0	0.0657231269
13.5545220392	12.5114022006
119.2275606955	174.0487400128
10.7819223261	8.7513934037
0.1837808241	0.0750319899
3.5501469508	3.5020196664
1.9057587722	1.918396219
0.017055361	0
0.0325545017	0
1.131506596	0.7274943662
1.8818857558	1.6530421733
0.9364610615	0.2378929168
15.5864749557	6.5217678991
0.487400431	0.1824078892
244.6020933384	151.3140895965
1.8260699628	3.6674397525
0.135098256	0
0.568522272	0.3782532472

gene_expression_table

4.2175765891	2.9170673162
0.4644265872	0.4357454189
85.7653675773	94.2932507311
14.0947619935	13.0943155922
1.6483945745	1.3630140657
1.404881348	1.549643438
0.4854644101	1.3213333835
1.439585722	0.8515671158
0.6637916222	0.4540911407
3.5767470514	3.2490117993
1.4093999062	0.9513513304
18.3017103415	9.6088556549
34.563051166	31.592268621
5.6213482216	4.9023988722
30.5163077795	50.1736838762
0.0272259081	0.7706740293
7.1402056717	3.3693540449
0.1535922365	0.0104511549
0	0
18.861430963	10.7064458139
69.0715668997	37.9336170368
0.0205796563	0.0168040662
0.1110463035	0.0302244994
35.0635292166	36.5456654209
16.0013751904	23.1185805708
717.9948637463	836.728889405
2.0138035307	0.0730820709
5.0302361642	2.6973823687
0.8976071816	1.3029869236
161.8891468363	91.4870790268
48.2195316478	16.0283728879
157.7809068168	165.4371814246
13.7188063546	17.07268066
0.0420672991	0.1373981503
51.2996234396	71.1823562633
18.552263046	16.4110082987
9.7839451427	5.7667439089
41.8721401856	22.5120546201
43.3535256065	55.5817393456
0.2893688718	0.3150408084
67.1880692131	55.4145334952
86.8183407247	71.7612450444
0.2556232308	1.3915067775
0.0463020757	0.0126024642
0	0
7.5289542769	7.6845941908
4.6500230613	4.5563032174
24.4563688673	21.8271807029
20.2646140053	14.8108342468

gene_expression_table

15.2262208634	9.7971792513
144.8748244094	162.2239928997
0.1929957385	0.2573942319
0.5726765068	0.8087387589
9.2985058363	14.951902971
0.0135274558	0.0699559621
27.5403784133	15.4057927669
0.687728478	0.6911461674
18.3839127357	10.1472078107
26.6875462178	7.5470789853
0.029665888	0.1857120996
0.0244292929	0.0265965864
0	0.003143
14.3892121321	33.5050839843
0.5167888662	0.783672715
1.4633897956	0.9536045391
0.0426907365	0.0232390651
1.1016406897	1.0563532425
0	0.0142370974
0.0146982554	0
5.2729760691	2.8345592258
16.533070785	12.1082412393
3.4778148182	2.8488981554
4.3537535731	3.312175977
0.3312238245	0.4715656241
9.9116905793	11.3248576491
2.088282944	1.8297698286
0.5614144673	0.7922142372
0.134896078	0.1025513436
0.0819529862	0.0356894435
30.8232582014	10.3226726318
0.1024914849	0.0616649644
9.4565074761	6.1448692191
0.4988581171	0.4655274084
3.4116569787	3.8031884751
1.0176863579	1.5179222328
18.4911286115	8.3236447729
7.2924196698	3.722203666
87.4261213189	50.4877118641
12.6388027121	8.3707149073
11.8238795177	8.9195187546
0.3681701121	0.4702080101
44.6202382526	20.029417736
0.0142911795	0.00389
3.6792582515	0.3338059154
4.525730113	3.8375613665
0.290421756	0.0287442819
0.229198906	0.1663551627
598.6940811113	175.972315607

gene_expression_table

47.5844570953	41.8083566085
1.3462289271	0.923367256
8.263736893	4.6681876748
2.3770495334	2.8235640367
0.0290667924	0.0474682663
0.464394822	0.465999782
0	0.0433265268
3.1649322799	2.8890999685
0.0183984205	0.002862
4.6415042917	3.7618896476
58.786806503	72.6627281326
0.080808373	0.0549859056
0.7819540341	0.8840699782
1.7903775689	7.1471197798
0.3736045799	0.7524868623
1435.4713711395	1214.4083697281
0.6770171934	0.8641088261
0.8501559039	1.819604525
11.3665649063	11.623709301
10.7320741597	7.2862093194
9.6998203394	10.5862424782
0.525212128	0.8632625818
0.5624271433	0.5094123942
0.6347784121	2.9371496904
0.3842550491	0.5400065588
0.4123657099	0.429708861
4.0068024121	3.59794384
4.2802501773	3.1021385862
17.3209542291	13.2482751528
23.3001017134	16.9555181089
3.939631	2.3958184936
26.5233426634	20.0530652097
2.1344219059	3.7323504361
0.2615439654	0.2009981364
259.4313572228	205.0393616259
4.3450425687	3.3333511126
0.1061550556	0.2427029074
53.2419329482	34.6208891434
4.522540988	4.1649278106
3.5312347238	2.6132073735
1.9598009394	2.363920594
0.0923650096	0.0502796778
0	0.0166089836
1.1687505626	2.2659195061
0.8539554633	0.4105238709
18.7295860249	0
8.5228024059	8.935256121
8.9276749724	5.052962581
0.368055631	0.595925343

gene_expression_table

2.3035392445	3.6154260657
0.2277717536	0.2158335558
21.5707395956	14.456478957
0.6661698899	1.3646536667
17439.0872920499	25723.6216637182
12.602409442	11.4959772415
5.8379504545	8.3762293203
7.3071373925	17.8434782454
15.1552152281	11.9155760507
8.8428860555	3.5600327253
0.005207	0
1.2108201158	0.8400989904
1.279982017	0.0774187875
2.9205618557	0.9274023865
8.6674590428	6.772275236
3.6710477109	2.8226919959
5.3647527023	6.9573013587
5.6337656171	7.380354743
4.1700690577	5.0407631074
0.6627830378	0.3234683117
33.25855978	30.3957621117
0.7763127535	0.5317790082
29.8682892101	15.9092982413
2.1189434688	2.8347865748
344.9110753566	270.5515872632
1.8503613121	1.1508233834
12.6529611953	11.853331944
0.0507865626	0.0967613392
0.5138792704	0.842277648
3.6537518824	5.0828744803
0.2396316693	0.3698608167
118.5212806758	166.0092363067
10.685054078	11.9724843938
0.8729908643	1.167683416
5.5439741622	8.8703194679
3.2760922826	4.8083838103
38.9716418512	21.1660355219
2.5747484779	3.2516800116
85.0472750322	69.510221688
86.0141215658	49.7941239724
1.0254580914	0.988318314
4.1125400664	7.56080087
5.219770964	4.1091401179
33.4920433806	21.1190482827
4.7978313239	3.3848153626
33.0413271312	5.4148977954
26.4239666222	27.0965545911
0.1466159274	0.3990581294
34.860626024	53.2909142468

gene_expression_table

4.1250160311	6.6640275004
0.3550630376	0.2746633001
2.5777010645	2.289420937
0.004455	0.0169749404
3.5702405672	11.5166681285
11.7709231501	10.3339624321
2.524908487	3.473119336
2.0562198181	2.1006859637
12.6766931712	11.1914641521
34.4690747882	32.9122524409
5.3540448291	8.7435593901
1.9332020542	4.7355973419
4019.9037740672	4104.0670172698
0.4858966298	0.3341077379
11.6310843667	10.479690382
30.1237921382	43.2404869632
832.6444952407	206.6217354518
98.6224783104	46.8464084432
0.128146903	0.0858558222
0	0.069034435
0.1919039187	0.6093764177
0.6050084125	0.678055968
63.0062336722	25.9638903961
16.342272519	13.8562794629
3.9813383304	8.5023879118
21.8521241395	11.9822171158
3.9226706189	4.4079757716
0.8557358296	0.3432409991
0.006474	0.007049
0	0.02242099
1.2687255603	0.4794899859
16.192158412	36.2543878642
0.1174924867	0
1.7009276042	2.645469698
33.4398058946	10.5271763745
125.0201136941	110.1521083356
2.7918672653	2.8087011852
0.4928366444	0.3628165118
61.6746614586	16.619809074
11.8922872635	8.4189569076
3.9503060972	7.091142919
0	0.1287644311
19.4805328824	21.1909646958
0.9091717107	1.3530713131
44.3158991275	24.2610630197
34.7124133355	28.4743129541
78.7097163558	88.6015001758
1.2079738439	0.9278054123
7.1766548457	5.9062971646

gene_expression_table

0.5645313041	1.9206713267
51.3686760707	77.785332321
0	0
27.5749427453	18.5196385345
56.5760269709	96.5299195999
77.086431911	41.1733880002
665.8681274728	512.6661277773
2.5294384508	0.3855379678
4.0140804294	3.1783255125
0.9070217397	1.4812349732
15.0759872865	14.901715341
0	0.070266739
285.5360253145	142.745474953
59.8040152811	54.3500025801
0.1345913207	0.1709538345
120.8511853769	126.8737128919
0.185606495	0.3473128748
0	0
18.7028779278	40.6299255442
93.5872967924	24.4908205578
0.0824904618	0.0336782879
20.6664074324	20.7548296383
3.0290415745	1.5065347766
0.001358	0
0.003705	0
28.6895468457	15.6014624831
0.002923	0.0334098921
0	0.0379766064
1646.7036536231	2451.1463004444
4.2983582153	3.3444916183
0.0297335433	0.0485571209
123.7516848484	138.296631837
28.7308957833	22.9654959902
2.1122324299	1.2417966048
252.4793668142	122.9033695277
0.0581327818	0.3480958111
454.0433115895	78.6921256888
11.1377846449	9.4690981098
744.3527912477	599.8496267315
3.8660274127	5.2931486181
289.6524319923	387.85175971
9.1204497587	5.7922600444
7.4306920634	4.6739023721
24.5258891162	18.8927492546
0.0279840741	0.1523336852
1.6872455237	1.3662188259
0.5403862547	0.3587364018
15.383266196	11.3988447791
14.6337063249	13.6007272021

gene_expression_table

42.7707231969	17.2537203939
5.0515902535	14.332354121
11.0700502393	6.5314272141
0.0386652843	0.0499884682
1.6949373783	2.0130623214
10.038475786	6.7141316406
0.044222647	0
0	0.0614690682
0	0.1006315013
0.4411906746	1.852708314
0.1027040769	0.121538776
7.2107578142	15.3805216138
1.7229533335	3.678848713
6.0702733654	8.3189842314
1.2468285976	1.3089633587
0	0.3791752331
25.530395469	24.1372663914
0.8338777238	1.0213389551
1.4473189603	1.9696509352
0	0
10.8878858557	9.48306109
1.5623037004	1.929566201
0	0.8206679891
1.4249596651	1.1839462185
0.3118545328	0
97.3108690548	19.1495017808
142.9001634246	91.4222737235
11.9637105526	7.9852341163
98.3521357624	59.313314136
33.4063518057	35.0091963338
14.12019335	9.2791344952
27.8897790197	16.045471644
9.8642249294	12.7783059665
0	0.0644888824
3.9727998221	4.7946621658
2.3110465663	3.5382314127
10.4639253864	9.070609338
6.0289919171	3.4694720066
60.2873443296	18.8917116857
68.7161223745	21.7180835645
0.019005685	0.0155188592
13.0169963343	9.8392957285
0.71609503	1.7257714653
3.1160137319	3.1811621981
1754.7241726425	1641.3127829998
121.4608817833	107.4597247938
0.0651523449	0.0531993488
1.917003174	1.8530542018
0	0

gene_expression_table

2.3228339127	2.1534041222
59.0372914839	56.3028215987
31.4152136066	16.9859792842
3.6912103148	1.1197094967
0.7242107614	0.177001351
1.0741485847	1.2457118936
2.3440197262	4.9879493983
11.5437120102	7.1915947253
21.4745372024	30.9008419099
42.8738215894	29.0106911353
0.8715222348	0.1976752225
17.2026126196	4.6442816727
57.998051845	37.6274583279
4.0607507661	2.114673078
0.0229216702	0.0460711605
0.0851198526	0.0115839288
6.4003564348	2.7073808026
7.1027231083	7.3383219171
0	0.006483
1372.7588366716	1673.9936961727
0.2562240859	0.3759835224
62.6434975496	73.8844603917
9.5263222861	7.3128171898
0.9295272895	1.301132773
1.3922986466	1.5894026538
5.1008116392	4.614215226
0.0572751888	0.0311782357
0.0858995343	0
4.8001783647	0.6132592985
1.2062338615	0.0336730078
0.1040131697	0
0.0114785322	0.006248
3.8753046703	5.0166247575
0.3837324633	1.1140694775
8.9015127588	8.082188416
4.5591081653	5.6767363741
11.8739717778	9.7207949659
0.0539921598	0.0440866364
2.025168238	1.7263552425
0.2123258209	1.0787594047
7.3206655804	8.5143241864
0.0317599981	0
0.1655748238	0.9013206226
0.1483496571	0.0269184655
2.9227216845	2.8713464913
13.0269137539	6.4394949505
1.176904602	0.4998764809
3.7150491304	1.8920465068
0	0

gene_expression_table

0.3252918333	0.3480446997
0.9277007842	0.6172244279
19.8944519088	9.7221295618
0.1842066808	0.1828534488
0	0
0.0614032809	0
0	0.1121282689
0.0122513416	0.0400147315
0.3358993817	0.1828496826
12.1070904818	14.0457681742
0.1608063763	0.1735889683
10.5586398423	7.5069349099
6.5241024953	5.0700353931
2.9451855284	2.1740862232
5.531904307	8.45319526
1.2269430049	0.815060563
7.0746360856	5.4206587686
1.2566338109	4.5218984414
0.1934179361	0.2544476845
13.5579282841	4.6594984548
11.8832485815	4.3070805145
6.5819572055	9.378883694
131.6864931422	77.1669922135
4.8841537328	2.1448582877
13.3333380374	10.5535835005
75.5881321044	19.5630337176
0.1374634463	0.2244881851
0.5625442263	0
0.0341860876	0
0	0.0937848681
12.3578178381	3.2891635039
10.8586914558	4.9987492276
0.4011100999	0.1728585889
2.445427584	2.3393694043
9.1623676458	0
6.5023497806	11.5745225887
4.9549749864	4.4743160694
46.4071535394	20.3200595613
69.3147253621	43.5892662538
5.733339185	5.482823612
2.7080323994	4.4166176388
4.1863833047	17.1976949693
2.1243717615	2.3892069854
4.0451190724	0.8622269339
0.5532382334	0.9477680254
1007.0906697483	1164.6205590053
0.0124352348	0
0.009076	0
59.878183138	19.595922477

gene_expression_table

0.5137678685	0.3712035464
0	0.0103449406
85.2276608043	27.3929521478
16.6172783414	32.6926014319
0.7429092448	0.10110224
0.0153320299	0.033384483
2.8894238601	2.0267398602
174.3211650371	57.0850915234
95.2221766876	68.0276224903
0	0.001918
137.467636911	115.0240043082
3.0654640223	4.3984531387
10.0402612502	9.0211829147
8.5473074867	6.8635218523
0	0.259724374
10.4346867323	6.4756884287
7.8608829643	10.9355760045
0.9316516098	0
62.5073822146	31.173910001
4.2300656706	5.2961460398
31.5909035176	17.4857982199
2.7689949639	2.5188209738
9.3839175583	5.3624703173
3.4515624058	2.7754791698
5.2859981956	3.8585610203
13.5286566492	5.035421826
2.7355091791	5.3979790378
0	0
55.1955256625	67.5802684394
403.7933352122	233.7374165739
0	0
112.1047547496	168.9649630799
82.3449891721	39.8335247796
12.526183856	8.5307978561
0.8206158631	1.1074256053
9.6461452662	6.1177465915
19.052978551	17.5109097659
6.8861426866	7.6532493296
92.1931037685	64.3577572619
0.8572611771	2.2295853842
5.8798692995	6.3250015152
2.3042200322	2.3186984671
3.5788871792	5.4817357275
0.1140307259	0.2039560965
6.5668230746	4.3942037442
3.5490396319	3.2090802098
0.6715454176	1.0263840832
2.8170539312	2.0594231393
1.4973603672	0

gene_expression_table

13.6346589419	11.3111868961
0.1492071985	0.208857102
66.4942530314	29.0008861891
29.4909351201	32.2930386587
764.7191537153	1185.6571994861
0.00346	0
0.9254580574	1.9713167894
2.5767663058	3.2782743724
0	0
1.0364847927	1.9718930845
0.3178391001	0.2913216045
3.6433710321	11.7482100697
0.0121901637	0.0265432767
3.3107367508	3.1900057926
0.3394612258	0.5532108794
3.0968703185	1.5582761227
84.7481772165	21.1353366398
0.2975591128	0.2850827433
35.7581249847	32.0011051837
3.7081314513	8.9623747161
36.0234790862	31.7700483553
0.1405546446	0.0510080767
13.0553916246	6.23529779
0.0295600975	0.045975115
48.001975801	29.0012858823
0.3898029945	0.9087843499
2.5062926702	1.4610821164
0.2307152688	0.4040780198
24.1907061338	15.4019592362
8.2014963604	12.376589693
0.003614	0
0	0
0.7183980224	1.3407979468
0.7658851859	2.5924601672
0	0.009398
0.1156076495	0.0629320063
1.6800990323	1.3535727527
0.1810986139	0.1766271033
0.0149265863	0.008125
0.5950676584	0.5866451285
0.1394572545	0.1214635864
2.7847080681	5.7940283068
0.2013533082	0.2754631762
11.3412057813	8.8778563788
3.018507612	5.5287173698
0	0.5974456209
0.6951907221	0
0	0.005691
3.155875664	1.5319265354

gene_expression_table

3.2448089809	3.4576381204
18.460829352	8.2000149342
0.5382367598	0
0.7365536446	0.2122672421
5.8282690751	6.3675220772
2.0310914916	4.6176809262
8.1443818489	10.3580219237
0	0.003536
0	0.003108
2.7305931507	2.3122113526
1.2812385074	1.9713724484
0.0127467199	0.006939
2.218430287	1.7772909119
1.7388048703	2.7551839431
0.5874847983	0.5741905684
12.4688259623	5.7051175233
3.1781409118	0.8453643687
0.008935	0.002432
1.8982001356	0.5482823612
0.5082520225	0.4841747874
6.6954487951	5.6972143181
40.9486135449	30.4603118355
3.6255865541	1.4210055704
0.8976566727	0.8077634698
38.082746375	19.4290473949
292.2316869722	144.255648153
36.4158041295	52.6446461964
1.2133720259	0.8635713755
0.0396885331	0.2340518943
2.1821193598	2.1579369744
0.4828166283	1.1827140039
19.8748812433	14.3711460057
2.2968591032	1.8695182744
2.6776865146	2.0300865798
1.9427976908	1.3899602238
5.9222931433	8.9054882774
56.0696989479	61.8654998771
6.4228085389	4.1212048775
48.2947398551	21.9984179131
1.8994552243	1.9777557618
308.7463083082	71.8148852785
24.4537222414	26.9689386
41.2733762919	35.0226750932
123.2233442084	202.3902151885
0.0231887225	0.091967412
1.5844326274	2.0551277945
65.4077990087	93.4304256982
5.487692802	6.4289191496
13.0121540261	8.6338607968

gene_expression_table

6.0386756194	8.8862887765
2.9104561544	2.918505465
0.4718820154	0.5871382508
10.9372733201	17.2297888808
0.0561645172	0.0166765266
3.9802069066	5.8792274329
3802.2483136799	2686.1234310205
10.5826853278	12.9490620807
0.942360249	0.5129818089
8.8916703303	8.3869958266
0.6074741443	0.9920511368
487.3152625157	375.8474874761
22.8077073584	11.1329012138
3.4887206257	1.7474887912
1.9889323592	1.5157691219
0	0
0.0108448231	0.0129876375
6.0390988278	2.1916231746
29.6109866163	33.8556609796
18.0245268385	14.3729674404
6.1642797231	5.898752986
8.8179231691	6.7137770801
0.1719710769	0.2584558142
0.2904125252	0.1826800742
6.6007445979	4.4547992471
6.8794159135	3.5724528306
13.3895633383	11.324049826
0.7250992485	0.8560061288
2.7501425374	2.5097828569
0.0603827788	0.00747
14.3717265067	4.9589791522
0.1962042365	0.1602081649
3.8805220168	3.1880319187
2.5523209244	5.0231343371
0.0462654952	0.057086035
0	0.0242701071
117.0763210164	90.4384895186
0.9265920018	0.6052778754
0	0
0	0.005923
25.8335098939	20.1375044697
1.5608919266	4.3900380473
31.6770106976	23.7403772017
0.1422330414	0.4129374114
5.2165129618	7.6185816384
60.2199123289	39.4443262899
3.5654501481	3.373585424
0.7728577924	0.6876338394
4.2117898547	3.8162433874

gene_expression_table

2.5747630884	2.2750513987
0.5150932837	0.3535420334
2.0212540208	1.4932463729
3.9539016778	1.8523168271
16.5274664253	11.0585079336
24.991793965	15.4538960819
0	0.003182
21.3429132346	11.727801797
1.294415584	0.7648203133
8.0384609185	17.1790843521
0.003117	0.003393
7.5501672175	12.2098957039
0.0368886233	0.0301209533
0.4922997287	0.383709433
10.9118144665	8.6838477182
0.213284815	0.4827457215
1.3285471651	1.1521418739
44.6771311259	45.1208722672
9.5181958771	7.2224332406
651.9903607827	381.5226798182
1935.8622283228	503.1955008945
38.4113442118	29.0961078262
0.2634583257	0.2284029061
86.2302365251	28.0156697873
0.3858844416	0.9168812207
38.9500227604	26.5539526158
4.667310853	4.5262718333
51.9563139775	26.2022827131
0.8768721875	0.2013240491
3.6327200924	3.8466478232
6.5778653105	6.3863868068
189.8922906849	61.9472221999
17.7509162545	32.7951683222
6.0523901399	8.0501842467
30.2547577405	17.2536932381
6.1337803056	5.0136966471
1.6863711459	1.5260860556
80.5703553318	60.8223918187
6.6647869086	6.4779091921
0.8367229735	0.9355749132
5.835665124	6.8494164084
0.0913214806	0.0331410826
1.1739219397	1.0316940639
4.2903498935	3.6896791848
0.007985	0.0260808514
3.6053978172	1.7908989053
0	0.0206804185
0.7542259627	0.6300115298
1.639281046	3.2719740773

gene_expression_table

15.0584633297	15.8820797802
23.9842305794	7.3355209023
0.8958309594	0.8975212173
0.7192551646	0.1915105404
0.4258145688	0.3361038791
10.7395241849	4.8717927043
0.3477522237	0.2574505539
17.563151817	21.1177507266
4.1523832046	1.1896763583
0.6657870028	1.043349914
0.2546598156	0.3020071537
2.2758435206	2.4281945268
15.5234081006	8.7858705485
4816.0244240994	4750.3773929155
1.9827853498	1.5830408779
0.1135939703	0.1442836336
11.4772025598	6.4336565681
0.6014368693	0.9994232462
0.954006939	2.0697607315
14.9583098677	10.026626835
4.1487074799	0.9752113456
9.2374470412	5.447523021
0.0772167557	0.2634105418
41.8255116526	47.8674506422
2.3981100633	2.4128830336
0	0.0255191898
10.4466635658	7.1514938868
0.3648652973	0.4545285666
11.2543460885	12.2775010673
0.1880453757	0.1734502774
0.0162782442	0.005415
4.0550400351	3.3792227397
0.0660607961	0.1300119629
15.3451604299	8.9285294261
0.4168122298	0.1210108155
2.3254937737	0.2580183023
0.7510304579	0.8835999149
0	0
31.6087215609	14.8327618827
0	0.0100335334
0.8340902068	1.4269957159
4430.7485630911	5581.8435043648
148.4566950002	108.0837448549
0.0897543372	0
0.0117515452	0.0575734812
10.7289967064	4.2606346437
134.8259635139	77.5291624825
0	0.2623656389
227.5235917883	324.0935300943

gene_expression_table

9.6949063306	7.7063562071
3.3762954347	9.4699354752
1.1753792072	0.3937400977
0.9736289941	0.530003216
72.089381717	37.8113602304
0	0.0376669093
1.9414409446	3.7425705661
25.6832662612	17.2910888996
0.8329974676	0.1889371873
2.9140003767	1.6902779717
41.3858599476	24.7967389384
1.4122754604	0.4193368075
3.6680417804	3.3403235352
3.5860898105	6.1264598204
0.0306855232	0.0501117758
2.8475824776	1.1923890138
0.1592872252	0.2312249453
1.248590053	3.8515234271
0.7871840026	0.629374504
0.1218183649	0
80.779546842	47.1660952591
45.9212433877	60.5288259693
176.8249634149	173.34098905
3.6497178294	3.2905628239
16.9420997369	17.0006520541
22.3731154413	45.2362689912
1.191287611	1.1672775604
66.5559102778	51.5222746059
593.0937008751	363.0809940362
9.8512871525	3.6254412636
0	0.3731980585
13.1170494063	8.2042730599
0	0
0.0354150331	0
0	1.0068014759
6.5985496948	8.3108478082
0.2138245779	0.0931177807
25.1082589893	23.413696899
1.2140720819	1.1565582944
0.3021669207	0
5.0341876459	5.5731787712
0.0303712961	0.0165328731
7.0380093015	4.2493945505
7.1515429684	5.2277471306
0.9719231895	0.382882968
3.3647016751	7.7189023486
10.9978839495	15.0839084688
10.0840405509	16.2986856302
3.916513072	2.2313805111

gene_expression_table

0.9172159321	1.2296669201
0	0.0131906184
0.3898335722	0.0424418435
0.4334449043	0.4287373548
0	0.0206376241
0.0560292472	0.0152499984
13.487390514	14.7540417202
3.1899657383	1.7043278264
9.3260253005	8.9226868113
0	0.0107468794
0.002948	0
4.6799267215	3.481782204
0	0.0168325454
1.9728595784	1.6346741108
0.0833213692	0.0655152265
0.7332478652	0.4419157458
2.2595840043	2.2963393081
6.6589008475	4.7413825037
10.5523195091	15.8259805416
3.3737604299	2.8238055019
8.4197747775	4.5734979786
23.0678631986	42.2926769429
0	0.3100943095
685.9939325293	362.5558274334
3736.3004193368	6559.5591771435
2.7323976583	2.7054354089
7.1330586146	3.7791191137
0.1210671667	0.2141878079
0	0.0487524846
1.6057157085	5.6815524343
26.2248603899	14.8820974285
0.041139598	0.0223946897
1.6625741319	1.8100727116
0	0.7449292693
7.8731132598	10.6970683192
1.5506402859	0.740214466
0.2403804473	0
3.9368655684	2.8980100077
0.899161037	0.4016130878
0	0.00368
21.3774047986	19.7475887613
0.0102968773	0
181.6936546402	113.7495936038
0.0101430162	0
0.0164987521	0.0287399548
0.0151444457	0
0.1861051062	0.063317435
24.6437116553	16.2347301252
0.0854545755	0.082698532

gene_expression_table

1.3436384098	0.9558342424
1.7530536212	0.4771448173
22.5550413105	15.8317053935
0.023505847	0.9852617815
7.5472322396	3.4589102936
6.9158934828	3.0802298585
0	0.0868373142
0.0741730855	0.2422604961
7.0263669319	7.3020103099
20.6358751532	15.1899176861
2266.2460508176	619.5994731693
2.8550559481	1.1438720383
1.3084430408	1.1894776858
7.2590183601	5.8599072322
0.084148729	0.2015511328
0	0.009722
3.9592123562	6.1710321911
85.6695521235	24.4624041986
2.2744870529	0.7605694745
0.4892164099	0.340627931
10.0937940631	5.3500467095
11.6481247804	12.1764954589
2.8014194121	0.7393825265
2.4419276296	1.1077367121
0	0.0266983736
0.0107186758	0.0175044068
3.2036472984	1.1197883195
0.689557082	0.5436338892
4.9399388133	3.0420417373
0	0.1569346431
3.4446326242	4.8106399607
0.6715106167	0
14.3298272526	10.1599018216
0.5086347865	0.4173857682
20.0988869519	26.7234875485
4.197572145	5.1735488252
7.3730862818	5.1355145845
51.1687261981	15.0493930649
4.5837010557	2.1849654708
6.4226400655	6.6076860477
0.1260205076	0.2058010024
0	0.006718
0	0.002692
0.001096	0.0005964
10.4341701483	6.3710232255
12.3650984695	9.0052964361
0	0.0113630702
0.4426818142	0.3508739883
3.1541307123	0.9245265369

gene_expression_table

0.9497690216	0.9726341625
26.9874336678	83.8767487407
18.7934310823	19.8652581451
3.5840447783	5.001667951
0.002386	0.002598
0	0.0883455483
0.2000656433	0.245041724
3.017428222	2.4327348963
0.0412725739	0.2066971021
15.5076101024	12.5788494256
13.718231728	23.7341262596
0.0379548075	0.020661022
12.6745336105	9.3651385563
0.4433988736	0.7899314545
26.1631247798	20.1499613591
11.1249461736	13.9660881161
0.1664391708	0
18.7076709515	25.9859411602
95.2698736163	52.1353618645
0.1921331631	0.0915156549
3.9459929758	6.292223169
72.1324841511	132.5573262214
0	0.1268536411
141.7586036471	112.3266574393
0.6614030147	0.7200807022
0.5720253088	1.5569341871
3.9819705481	9.9513440826
0.3061231359	0.2499610953
17.698586405	14.6225533805
20.4671258738	46.4023189116
2.2421328652	1.4706936081
13.2655752452	11.6715206506
189.7908805984	193.7763005103
77.2762024517	52.0114156914
1.0806284493	2.0044049494
26.4884711161	16.1341320756
1.7540626029	1.5118282305
76.7037752705	78.2505388393
0.0602885732	0.0104422809
0.008449	0.009198
1.9181315949	0.7490650145
1.5077889683	1.5553640167
2.0633805625	1.4048927919
1.9608222085	2.6936714831
0.837162013	0
1.2347437126	1.3317814731
2.2494362641	1.5565674713
0.4401258174	0.3460689968
17.693378385	25.3337411217

gene_expression_table

3.3025984808	3.7021838786
0	0.0159414437
0.2205466198	0.1200564265
2116.3366903705	2541.800404067
0.4361720893	0.4036377711
18.6189979013	20.4248864626
2.5648394131	0.5235720481
0.0117824052	0
42.4311787797	25.0673502298
16.8424078437	21.5760844072
3.2638281534	5.3642449306
147.0924940748	67.8825207947
4.8500482541	4.8249014983
6.2627691547	8.1500986805
0.1586068868	0.1841898806
0.009101	0.0148630892
1.4173998472	1.3685576432
82.9785275336	67.4317270682
6.9793444603	8.4646847066
5.520883648	7.041082111
5.1856609283	4.3296991886
2.1358279811	3.6363925139
26.1341775606	54.5470656787
0.7639250944	2.5110888946
4.3211874369	5.2195453379
1.6679027674	2.0674710997
4.2997330268	4.3689146509
0	0
54.13989771	24.5595944599
4.9057501545	2.4260055972
0.2658664529	0.2026173278
0.2667673937	0.2486594135
0.7097216103	1.1443577147
0.1854599521	0.480479113
7.1192349158	14.1241194456
17.2614122545	18.1613550259
0.1562785322	0.4040898479
0.9935184313	1.2619371336
13.8244190379	14.2817051386
0.0132314382	0.001801
0.1844921591	0.2968588937
1.300641334	2.5582057264
100.6595984793	78.6323581192
3005.1697449443	3396.0830579429
2.1721938096	3.9199098925
0.0232711892	0.005961
45.3462157595	48.8394466509
8.3318014759	10.4324255312
11.6109459407	18.8035383204

gene_expression_table

0.0441529705	0.06992013
3.1554937156	3.9687019048
0.7774089094	0
4.3878754155	3.8329971478
26.8370311794	21.6888601517
0.0593701101	0.1551293949
1.7285079962	1.6727609157
18.0158424725	13.9914297574
0.006555	0.005352
2.9938060218	3.8394715388
0.6233892683	0.8092126617
6.6070066776	8.9152138258
94.4982279126	96.9422572812
10.2627740398	4.8085818522
2.2885353154	1.2199642948
0.2900323873	0.2224695195
14.3251438404	31.1749791457
42.3770341528	106.9576400961
0.1724137315	0.0208566399
15.6801361468	6.3907120064
1.5537369953	1.0984954653
13.1634626708	13.4617468414
0.2951354213	0.6392196109
43.8452772656	61.6706675481
9.8266341211	8.0786047583
2.6262965213	2.3289407994
8.4553383622	11.4466414698
0.4291652334	0.9243215858
0.1259817552	0.0981930012
2.8213642432	3.048255101
4.5995419366	8.0777348628
0.2373117146	0.3358748857
0.100030444	0.1020982916
40.8318931363	20.5719718561
80.5602939191	22.682938203
3.6879412869	4.47110062
0	0.0930938164
3.0886632545	2.4303986519
2.1940006863	2.3001774684
5.2643867563	1.4613241857
0.072481046	0.2818262376
0.0108579397	0.005911
0.005102	0.0111092204
3.9556101827	5.6523337874
10.5527527177	9.2495874228
0.1007351648	0.1462294478
7.9207921054	7.8150477568
0.1118351635	0.0608784215
1.5572810485	1.0047042028

gene_expression_table

32.679983565	42.8177912559
2963.2248392717	2865.6777099676
0.004662	0.097697211
274.2558625107	164.9536674461
0	0.0690535784
1020.2557545887	875.6301643409
1.1222882325	1.6582307966
0.3264490282	0.6041980282
5.4122017361	5.2456340057
53.6363604471	26.3894281234
0.123363667	0.1942671032
1.6222033499	2.0523722782
7.527491487	5.9308149319
36.6199946684	29.1181596519
12.055898998	17.9254269426
8.025285537	3.0910134721
0.3348066824	0.1905391744
90.386804838	27.1436468636
0.4367862249	0.2972103662
0.1475302094	0.4818559384
16.4495604362	14.0712911388
6.3813733979	10.3237866833
0.3881607219	0.8187820254
4.1302060814	2.4101912951
0.0110535711	0.006017
2.9353273291	3.4848027239
3.1091597693	2.4782999683
5.0484219182	9.6676039205
0.1487656724	0.0404909289
4.8446678126	3.3209639646
1.7435499511	0.9965720426
105.9626850401	109.3428774445
3.1600783625	3.0088133071
38.9061413412	64.4508625198
0	0.1574652858
20.8080582256	8.1968313368
15.9402816065	18.0932774052
1.2795928465	1.1028822948
0.3772364341	0.1428534667
462.9665348685	385.1157810827
1.0568584127	0.8933382876
1.8727249726	1.585055059
35.6738745267	19.9596533468
0	0.0557347466
2.3714597751	4.0889563291
1.0126388028	1.675765152
22.2071959173	7.6849438982
0	0.0613566836
0.7309609685	0

gene_expression_table

2.2310119126	0.9715762335
0.3633245725	0.0116340481
0.0325162704	0.0619517782
0.1330313842	0
0	0.1974223557
11.4522332584	6.6181708877
11.1445666286	9.1762692429
3.25726107	3.4919167762
6.0262959843	4.1580421632
2.8122111427	0.8325681047
4.4082486028	7.5871842742
10.3652274715	7.7819975956
20.0275539503	6.7187786742
0	0.1908829161
10.9708043013	12.318084679
16.843045382	9.7500226833
2.4298252865	3.4879806678
35.2597822492	11.6073438894
1.9620423646	4.8062449479
1.7498913815	3.0248219632
18.3641823015	10.1744177662
0.089674015	0
0	0.1013168565
0.5962063492	0.6058266522
68.8692720196	27.4053527177
2055.4232865309	968.0476521081
4.2205761938	1.5719781411
58.8924181286	70.8521739754
24.5781850324	44.5153198235
2.353792434	8.6231955172
0.7748748003	3.4845147624
75.4561818475	86.7143401375
0	0
10.2296382877	10.1993131711
0.5568379031	0.7794499991
4.089139947	6.2896257266
14.1958382671	29.8149386866
21.470895635	14.3671423838
2.1757655859	1.429444033
6.5841377847	5.734610159
22.9124876615	13.7258769103
0	0.2325257701
4.7329969321	1.1594011936
94.707126336	66.1888742855
112.8417910065	110.3399928376
105.2920850298	165.6165929826
4.6370078576	3.1795995496
84.6474735069	98.07263521
17.1372446893	29.1414091674

gene_expression_table

127.3156340267	30.0023148049
0	0.5334800574
0.0694668703	0.0756297623
0.2115679846	0.0767792201
8.0657435039	4.7959473362
6.6176859328	4.9760335407
0	11.823331807
4640.8231170769	3315.4287494167
142.2607134562	170.9624427665
34.2421412553	15.6897846374
6.9536796309	12.1323544659
20.0136318641	11.2222474226
2.279889064	1.3780234104
120.5109157155	84.8632209478
9.2359576642	27.9087100642
6.1311205003	2.9705742513
21.9491936459	0
23.9985103745	9.8551421184
3.5665366609	1.6746368042
0	0.0476889417
137.8138660079	22.8977161555
3.4855164864	7.720335204
3.4206936348	3.9697167841
0.5156731995	2.0117627964
0.1225776452	0.0333630914
8.1110324694	2.1399352526
3.1208866843	2.8300772568
19.2527487739	16.8448568929
0.3091725832	1.0939546979
65.4470592025	73.6377872602
0.1094388619	0
130.0039629966	61.4663789031
20.5961268392	16.1275656468
17.4196228145	89.7046363222
0.2416317579	0.0876895337
15.7998491539	3.0555410235
147.8690576643	38.5269364794
68.4068947222	112.8949626758
1.4960423575	2.7921715521
140.3253358829	86.3368938131
72.9487351144	24.7764893883
40.4501207759	24.5461795554
0.081715978	0.0970533534
2.6912286226	3.3728912482
7.825392847	6.4472937573
31.106561856	29.3933425691
22.7089789545	18.6651327958
201.7812746841	247.4871552386
81.9092121222	82.2764578984

gene_expression_table

2.2240436847	3.2249932503
2.2503529105	3.0184321185
7.5858308577	4.5613582932
53.8674630162	10.0210056663
15.3364623334	22.9584673643
15.2362984729	16.8740173714
53.6300127454	98.248880756
33.225638463	15.8606083281
1.5585137602	0.5251939384
26.4858316407	25.6423737542
2371.0762860838	3777.1427831631
40.3972323636	31.5020718089
7.56091167	12.4124127783
24.2877474145	23.0225888474
6.0016151302	0.7885934948
56.3044182769	62.1675356423
5.1797918424	9.8688229597
69.6738885998	33.1511581973
5.6030593503	1.1902723775
0.3848373146	0.1898498251
50.0526125458	41.7193361593
29.960584097	78.1450881537
4.9140613952	3.5504692462
6.2459306166	5.488830248
8.0563925554	4.5460132709
240.9492865639	98.8093029431
4.4306523527	3.1452000568
193.7968575931	81.725214281
31.3829521919	26.1191100269
911.5297383917	497.1771722929
3.7735236498	2.0359713473
2.6137302163	1.7461713098
0	2.7208750101
7.9223113445	7.1750743513
0.8634259861	0.6953088903
0.1282895324	0.1513102436
7.3431467194	7.1545953997
14.8584501288	14.9043266
140.6634542271	183.4685204989
3.9657214042	5.1650009469
0.006615	0.007202
2.3634270858	2.0013025145
15.3634016759	17.7155919856
76.9976172247	69.1797757133
0.6454580292	0.4211513594
0	0.0289652408
5.836850915	6.1511166503
5.6349144156	5.6447669336
0.914932285	1.3037221637

gene_expression_table

1.1223234427	2.659413317
0.2470984542	0.5956877769
1.8864306959	3.5690848156
17.8929016301	33.7426730334
7.7676981994	3.3655878014
48.1652637496	49.0622941278
0.3731838503	1.2442680245
2.0946887701	1.4862947847
5.1240838539	6.7845942295
0.2156919266	0
0	0.0311646637
2.5552229458	1.5110399691
18.6714391046	6.4965495347
12.3874699695	22.2194775688
107.6999042043	95.4420254929
1.6399730626	2.0086498613
1.2796227742	0.2500520365
0	0.00902
0.0319791258	0.3829783949
0.0136609858	0.001859
0.0111915683	0.0719644115
1.2965252109	1.5453894017
0.008822	0.001201
0	0
38.5673146653	28.6100776222
2.0072457833	3.8387459184
40.9541000022	20.1239044491
0.0119688786	0.004887
0.1467802392	0.1165223944
0.004606	0.003343
0.7677137186	1.0856359834
0.20642441	0.0608664775
6.5208876232	2.2629341239
1.2870184556	3.2786945763
2.226475042	0.753805256
8.0111760174	11.4474983097
24.9455737226	12.1499313351
71.0882040906	44.2488891654
0.3247719155	0.3766445756
0.1562798977	0.2627232492
0.9597241197	1.7602566485
6.0864336903	7.3845735633
8.8506902931	13.6508539883
8.7933170612	9.0486441642
2.8637305705	2.1593597407
0.2322378352	0.2573563007
18.8476861806	11.7696365994
0.00299	0.001628
0.0945782516	0.1029689498

gene_expression_table

0.004493	0.002935
4.6400941621	7.9501905697
0.006603	0.006162
18.3379619767	10.9340968111
0	0.033780253
0.005206	0.008502
4.7064310128	5.5685168921
2.9182475501	4.7120958397
34.803785837	18.5987450406
0	0.003058
0.8849955819	0.5327642035
1.6574699622	1.2434478038
9.7233995735	8.68853435
0.7753829849	1.0058227113
0.048887789	0.006653
0.5228802872	0.8239414739
0.3508662589	0.5264064469
12.1579698766	8.0952581723
0	0
51.124780806	43.6685390826
22.67760678	29.3798486717
7.2116855061	3.0253426775
1.6819196164	1.0130832715
0	0
3.8784839757	1.3890037553
3.428991492	3.8931956524
19.7179770261	15.1694928074
47.4214107215	56.821537421
0.0763336756	0.0623293274
0.074413524	0.7696450476
0.0121514473	0.0132294872
30.887742641	37.5969815033
0.0214657802	0.005843
1.0351542189	3.4627676299
176.6125349661	63.4726265233
1017.3353870057	1671.4785149148
10.3672722339	7.6693890981
980.1956782216	847.51897758
1.7155124313	0.8171220478
3.4871486833	6.6069274861
22.095328451	10.7082272491
3.9810555833	2.1151105199
0.2102278255	0.4686561939
0.2162359621	0.8239691834
1.262308666	2.0098099125
31.7864914119	34.2030498119
6.3886147241	4.1917837677
0.4044462794	0.2675836575
4.0989869063	3.4970369494

gene_expression_table

0.1997295325	0.385971862
0.0663786098	0.0361337603
0	0
0	0.1006315013
0	0
0	0
3.4250698965	2.3318807514
0.0428767001	0.003334
0.0129341974	0
17.7136157587	19.5222265697
0.0480240513	0.007469
0.1284137498	0.0559224927
23.0738300175	10.8688597617
5.4618422297	5.0141258077
12.3164187867	10.5514185769
26.592681334	23.5524071038
0	0
0.1196669674	0.2750428622
1.0453215909	1.2408008524
0	0.0936947328
1.9398198662	1.2339277799
66.6405650808	38.0038034672
10.7899886286	9.1230470549
1.1610820322	1.1525524102
0.1478370929	0.198095699
4.3828316327	3.9583115857
0.0586275806	0
0.0416925845	0.145115011
0	0.002334
3.6437617274	4.7918523614
0.4034170245	0.6450852377
6.7874471915	8.1318689481
7.716248737	3.0669627942
24.5055366949	20.8545495078
0.0567530729	0
197.5445416918	168.1417457096
0	0.0150714223
1.5063833738	0.9689151313
0.0263823378	0
19.9647237741	8.7502261306
155.6509073107	127.2349675862
0.1160368963	0.126331341
3.9368091835	2.3276031839
4.8411589785	3.556273293
0.0957312238	0.2727569758
2.7178910743	4.1186278745
0	0.1766794169
0.0284594325	0.0464764016
14.4909852027	9.6713935442

gene_expression_table

2.6452272809	4.7293834595
2.5128163935	6.2431124637
4.9792838525	5.7556624895
0.5697080235	1.872238547
0.0287345755	0.1094933725
0	0.0261201023
0.0511639265	0.0334218218
57.34648457	61.3776202259
11.2785349386	6.6713397905
27.0956091453	49.8576036152
11.5703275228	4.244578025
4.4442983122	1.7667599869
1.8314601124	1.059281554
32.0504387223	31.6785623012
3.2751602117	1.8514328788
0.4299815131	0.7128315477
0.403326815	0.3260049868
2.5225463175	3.6256493528
1.8358994248	2.0463647822
0.0189761487	0
1.7095981991	0.8265502063
0.038680814	0.0779080502
3.1693689533	4.6033066706
0	0.002479
14.356540419	6.7246250316
0.6186249346	0.3038997163
0.9676345787	0.4632774418
0.0808533941	0.0484145553
3.0646507693	2.8697282459
6.6786072883	6.1812247565
0.9940784153	0.2233255688
0.1706998685	0.3451385744
0.6029859058	0.9935928694
0.6963164562	1.1190875399
0.3913527861	0.1909979854
0.7841721931	0.2716450523
0.0505062029	0.0274934807
0	0.6234515852
9.8423058147	11.5020794216
2.9889672668	1.3298166057
7.7510171816	6.7207932165
0	0.0331765974
3.0611397973	3.1925540113
0.6784786004	1.1794910818
0.4804859876	0.3174447989
2.169999545	0.7564193987
24.4111400941	15.8141198915
71.5266495789	77.3727927265
0.8195028272	0.4067412691

gene_expression_table

2.3676226933	5.4417500202
5.5277435459	4.0120988922
31.8122085068	34.6344920261
13.501880338	6.2788099128
0.2738976984	0.312896935
2.5986442984	1.7474397766
28.0168089562	32.2443100252
23.2470419685	16.9698632592
11.9842860518	4.8033862149
0.7832175682	1.0588500798
0.0537645427	0.2780382637
0.3955204394	3.7264311684
3.6851221287	0.5831475418
13.0681943386	11.4836776746
159.3883085765	127.3631603502
4.0296352191	6.7634956965
5.6801859776	13.3628778764
986.5170491228	948.2393849484
0.076992808	0.2095584463
46.70631652	33.1144864942
0.6406590576	1.6725679064
0	0.1708154458
0	0
3.3896036289	11.0264955481
0.582113914	0.3588184774
2.033130856	2.0751601073
0.006518	0.0106440222
1.5801000049	1.0034976747
1.7281178037	2.7463382475
4.2954626832	2.6912182689
0.0455170111	0.0566344497
20.278776548	25.3575290659
44.7501984134	20.2486736973
0.005595	0.0152296622
0.3070522436	0
1.0304452533	1.1030084142
0.5467350683	2.2237258965
10.7606771513	9.0527566106
1.1313119115	2.4223010577
0.0136057366	0.0148127967
142.0950070019	136.0233178929
9.1970735839	6.4899140886
30.6992718438	16.4514882018
0.2203814708	0.1119687578
1.7196322945	2.4901389264
19.7277228374	12.5287791481
2.1565907068	1.8796165764
0.0374889176	0.0204074109
0.002172	0.005912

gene_expression_table

0.0519612099	0.0565710522
6.6543297585	9.6477381424
2.8330584977	4.5620412113
0.7280966865	0.5105702232
1.1984080695	1.9881557811
2.0830364035	1.825801081
0	0.5754240215
0.7420750266	0.7866489111
11.3790236297	6.8506145013
1.505201361	1.1234117916
0.7926721994	0.4966295977
1.6903245107	2.1173171742
0.0231903288	0.0757431152
0.0946504769	0.4980633165
0.0834572236	0.0681459732
2.1419212794	2.2848043298
5.3664532282	4.3165099553
25.1877749775	23.0367976289
0.0469791578	0
0.4373859192	0.7920294467
0	0.004459
9.5488995233	19.2296863582
1.1342265227	0.6446652208
0.3770228923	0.1687492835
1.6727138608	1.4684947309
76.7533509812	56.7080052789
42.6650756561	23.4201689145
1.0823219967	1.770305807
1.375434033	1.0852367101
1.0338775683	2.1499771285
1.5750676916	0.649680504
0.2870840821	0.1269747858
0.214299032	0.6518983767
1.7549517961	2.0471205477
18.0564768333	8.977848856
79.1777127956	25.9417042718
0.4689749133	0.4006096747
8.5415512812	8.0464280201
0	0.0324804599
3.7242195216	1.3129249223
0	0.0380704267
15.6391338729	9.9663996375
3.9112512751	5.8196025003
3.2568180228	4.1498444024
0	0
2.0409024083	0.1307038315
0.1419427032	0.1021037683
29.1720947826	9.8383000499
0	0

gene_expression_table

1.7177651232	1.1803469368
0.1738795601	0.47326408
481.6678870192	443.4906650036
3.1451536834	2.109738105
49.3700894151	42.8352931557
9.3074693272	12.1132506106
84.3063837306	45.365876406
0.0235489876	0
12.7552721695	14.8861221335
0.1139032409	0.0293704091
0.3553944327	0
0	0.0768772681
0.5520353434	0.7930857036
0.0726569448	0.0395514253
123.6464727352	16.331322889
11.2023565135	8.8338619861
74.661915505	52.3523453967
6.2917551435	2.7446680396
0.0114308941	0
1.0117707472	0.8392624814
5.8726485387	3.8730778146
9.664148669	6.7109420199
0.2316551299	0.7945872567
246.495677989	168.2948481532
7.0240570881	4.9565252077
1.0075300831	1.5990241591
18.2256728273	24.7028316586
0.0172564154	0.0234841909
4.0005521597	7.1195168351
8.3536328816	26.3298397309
0.8106752963	0.6204517952
0.0894199738	0
9.9795785716	4.8487163071
28.7698915477	16.2999443763
0.0606890147	0.0339542636
0.5858269588	0.0797249707
206.1029228425	61.5400079622
1.1735854817	1.5147604614
213.8281049613	195.0051096848
41.0260307519	31.1221905496
11.7892011706	4.5190598864
0.1333987493	0.2373327687
10.4983037462	14.3758418889
0.0120370353	0.0720770869
11.3745428973	4.6549286454
0.1049405105	0.1840702776
4.8113088452	1.9101537945
2.2501300495	3.5147368771
4.9512716141	0.1925190553

gene_expression_table

6.5043894415	5.6389239047
0.211497104	0.3166081756
0	0.020748594
45.9409871324	28.526585089
21.3303721445	9.7178229417
3.1609033619	5.7943228526
0.9066852066	1.3710049901
6.8492042936	0.8626546306
339.5719516274	167.1834117248
4.0581183308	2.803821133
0.583659955	1.0500440746
0.7862630918	1.2485867498
0	0
1.3753684623	1.1928337264
3.682508263	2.3227958802
0.6790224059	0.4264980189
3.6279946315	1.4064997531
0.0047	0.002559
0.006913	0.001672
5.1010450562	6.5446182463
0.9172851856	0.2184577435
0.9379855172	1.2889546342
0.8092831872	0.7342336326
14.5830360486	10.6601365882
2.6051465622	2.3029521095
9.1382080704	7.0591939186
26.4211033744	8.5038802738
13.4590322658	4.8489651451
39.5475097157	50.1158429089
2.1620956064	2.3665204632
0.0130379505	0.0165604113
19.0732947398	10.7005481229
8.4850420806	9.2133708606
76.6647191484	51.9303172262
2.6566041193	2.7905734291
5.0635320716	2.2811393451
2.6188277324	3.8083381579
0.1034939351	0
0.1123397761	0.1494853841
19.9639147135	24.1469063845
0.663551148	1.4448388228
1.4695063061	7.3037839699
1.1270137493	2.7782051017
3.027756023	1.2950022787
8.6086409716	13.4507288161
1.1907798892	1.7577617696
44.8874393295	43.8602936273
9.714408973	13.4862732588
91.7184777963	78.0507980672

gene_expression_table

4.241452126	6.7101549049
46.9276941749	34.7768807651
5.9672097666	1.8750357332
39.2975537179	17.0626325945
81.4707204052	36.5263192139
73.5251019861	38.6788996924
1.9047046036	1.4441729744
85.4123114812	71.3642919981
0	0
0.0510502289	0.2778962589
68.8085457667	148.804524891
1.1856858177	1.6933820093
0.0140351526	0
0.2394789848	0.540072884
2.0006156738	2.5698296706
23.2524426944	8.4788184993
2.6494720692	2.0931953269
0.7137791041	0.95084608
73.4345489246	27.6056429808
7.2884127943	1.8059008463
0.381648144	1.3450701552
0.7089927345	0.7718924388
3.3098493192	1.1231654656
36.520743104	23.6671152738
0	0.0466062486
0.1164650452	0
159.6679432937	370.9347051689
11.2703010735	14.0084421528
3.5423852736	4.3938043978
10.167575124	9.1834489186
4.6235795444	6.0922725826
0.2653107019	0.3129189591
0.0105156686	0.001908
0	0.0235969096
0	0.0269882287
0.5880082533	0.4321178403
0	0.009036
0	0.002921
0.329480896	0.1085574127
0.0172710272	0.0188032608
3.7796327623	3.113572858
33.6379895677	7.1853783401
7.4606955802	4.9170169837
0.6383961277	1.0797829653
8.8647135754	3.1628347486
332.8726524343	69.2027955669
1.2393980369	0.6323331172
4.197562271	3.0738403798
10.7102429023	9.8224245081

gene_expression_table

0.2490874096	1.2203356313
4.7483221949	5.6463849041
0.1771586493	0.8679403446
58.4347335014	19.3713589289
1.2437439778	0.6431904724
1.9777165752	0.8704318991
6.2951516219	4.251794287
6.3659206467	2.4257400972
3.1663489896	6.6797334824
5.2327579012	4.2891150083
0	0
6.0834589407	3.511075492
28.5869407443	9.3539336126
5.8952957214	9.2423644388
9.2599961066	6.0869525301
13.2664498165	13.1105444101
7.4156219091	6.2526523487
3.5565117526	2.6384661811
37.2997401069	44.6697470291
1.7331274994	3.5503237729
8.1692366536	12.4026237594
0.7992128077	0.9548971543
11.6075258151	6.8684954989
1.5589489537	1.3232829505
14.9255425835	6.746084196
1.9549057273	1.6514980897
2.1652435242	1.8971722399
1545.1005775822	1674.0976348515
0.4409080666	0.8160409785
0.7867934926	0.6608022015
0	0
0	0
67.9692584123	71.3697253535
1.9020669447	1.2870003585
4.0564510394	2.630105679
0	0.006876
641.3496862192	501.4145138819
4.5657865235	8.6258856893
0	0.3886231685
6.8702308839	13.0544238193
0	0.0278024412
7.0129511859	6.0433208324
0.8410753551	1.0029018928
7.0969800764	5.0339988051
1.3913390271	0.9168371632
0.4793099336	0.4892183158
5.7921372351	3.3429388265
8.8865730625	26.3268010363
45.6137011453	63.3273339006

gene_expression_table

10.8983987152	3.5527493571
0.8935837465	1.1350031124
3.7889541949	14.3089365403
0.658431693	1.3349953903
64.8290966863	21.8954227707
100.426735569	130.7373899369
45.9396067195	39.5693161769
0.4729046183	0.0735513278
11.7508233152	6.8956000404
7.8400009929	11.3359442138
18.3340907057	34.2692605481
16.4849926513	3.6991013324
9.8865180225	3.6476712849
0.7294243816	0.4441781656
7.9453313006	8.8720176532
9.2280890074	9.8910133373
0.9807810487	1.816784485
0	0.0259907059
4.1598321365	2.2889204022
1.3201223312	1.2481291406
10.8667577044	2.2571966432
6.0405225312	4.4915039208
5.117852702	4.2452519701
425.9964708211	528.5230103341
25.1813723911	18.1201380238
1.0622639632	1.1416778441
2.0179709524	4.5427184901
2.6940403627	0.5332813684
1.1098880383	1.3213935338
112.8195574744	100.018681881
5.910928191	2.0476043551
7.4420834344	11.2532259829
37.9763127774	14.809932537
1.2989447136	0.9246582359
0	0.0451323204
0.9807547971	0.9563455193
24.3825787878	7.1056746372
4.0922741335	10.3176025972
0.009359	0.007642
0.005923	0
0.0434153607	0.0519937451
0	0.0133513028
0.129882178	0.0306377358
8.7103277628	13.9457086189
577.7882214078	486.6707690383
1215.3982425167	949.5314836419
603.0882869558	477.8563270952
216.417968514	292.2995896604
1.0994311285	0.6831759047

gene_expression_table

4.040986283	5.1497193359
2.4434398932	0
6.1575560128	3.5885239091
69.5707872784	41.9905841042
0.2294625824	0.4548802428
0.0232243694	0
0.0326207805	0.0858274288
0.9624583577	2.7069323232
0.0563322296	0
1.5966642444	1.8383070964
1.5289389486	0.7522629363
0	0
0.1720456574	0.0468272578
0.5903372717	0.7427346583
25.7824305969	10.8652843102
0.9593300369	1.9583229643
0	0.007014
1.1078868064	1.2061751939
0	0.4693342171
4.6199920565	5.8552276269
1.0256795768	1.1758923882
0.1582887345	0.1184779992
0.1104929268	0.0515552259
6.6541414995	5.9974768049
19.4283037157	11.6926787193
6.0614757922	3.977797767
3.0590919794	3.7124218269
65.6493679564	64.5937724704
0.2814800583	0.0395422094
6.0228199473	7.3897999449
12.4586501318	7.5133612059
6.9653495713	4.5200917652
55.0891414931	54.9263812431
0.2112175893	0.206960561
27.1309999531	32.1899975648
16.0356904866	15.2718328541
1.3694315234	1.9029718145
1.1541675553	0.5125449577
0.3433974368	0.5741461745
0.5299701299	2.000952232
27.7879258247	17.7546887043
0.1087875897	0.0131598775
0.7000818396	1.9195921383
8.6166964886	5.4258507971
0.8709378822	0.7775279961
4.0787738928	4.6071540948
0.9509873365	2.1002937512
6.706688029	12.5954070258
4.3651692136	5.6274383736

gene_expression_table

0.0793887506	0.1362964291
0.8816270475	0.2921259324
0.002467	0
0.2797700507	0.0659945885
0.0319228501	0.0260662121
0.1474697733	0.0361243909
3.0162567718	1.3363112252
14.2397337864	6.4727560778
1.2892481268	2.0084784877
0	20.8812985801
3.0431623873	0.9356560141
0.3738435254	0.0407009799
0.1618435961	0.8883511119
0.2840990958	0.1890188139
2.0228210506	1.870189865
0.2848943118	0.3544791758
8.0510776439	10.5358286564
0.1648355347	0.0256370354
1599.4787925387	1555.9649404393
6.6634357945	8.3919688583
7.295418236	7.7043664393
0.9293555501	3.3789296481
17.1324782692	11.0360153118
7.9575376269	7.9470869026
0.7319019305	0.5385197285
1.761600432	2.8022421005
0.4560071157	0.4909464442
0.0173255371	0.009431
0.4113499529	0.4605185056
0.006181	0
34.7738745748	15.7633969973
0.8819322867	1.5602838359
4.4660048609	3.0978920861
0.2580010544	0.6561777685
0	0.030717556
5.9000561774	5.4985086618
1.4824912492	1.2220387299
0.007753	0
22.7380724881	15.2613478878
0.2430457884	0.3598669891
0.0689623221	0.075080452
1.7318620775	1.6392026188
0.0457918998	0.3406718667
0.0942114138	0.2863400418
2.7198125892	2.0416759554
0.9296211504	1.2630937421
50.8038275854	73.6611373693
1.9379147546	1.7530294273
0.38469098	0.2680445488

gene_expression_table

0	0.8893543317
0.3179073216	0.1730555518
5.8150076724	5.1724781001
0.184148838	0.0235865846
1.8173893451	1.9618546765
0.2033425555	0.006918
0.0222266983	0
21.9497446078	8.3194027618
9.7005647654	2.9192667228
0.2117738073	0.6916852288
3.9867150673	4.0510441487
1.3438630439	1.1989181319
2.3361828969	2.0164225035
7.3171068975	6.1508187366
109.5676597039	53.675206842
53.1432674977	44.2104671302
0.4742716098	0.0573719513
10.9457406849	8.4769088555
8.37777152	15.2417081964
24.6995612168	22.5289777006
8.3969983356	3.9066331285
0.0743752035	0.1292964719
2.5549137173	3.2853925178
1.3966529442	1.8485236729
0.951678273	0.211931245
4.7303481251	3.2388737234
0.0562283678	0
0	0
0.0274453573	0
15.6020527039	9.1852479555
0	0.1118073224
0.3417568994	0
315.6943201126	205.0053973481
0.8766281421	1.3822344189
40.2978545284	56.1640539494
0.9275916312	1.3553716685
11.1220424735	6.9433756497
0	0.001488
16.3437321436	15.0562067905
3.1761459407	2.2702292141
360.7635892287	16.0532472957
1.4314900925	0.5194958636
0	0
16.2145667157	3.2690878403
0.6814412034	0
0	0.2621254872
25.7649096125	2.8050694951
0.7723455054	0.26754817
4.6150563406	4.9608891248

gene_expression_table

0.8505620194	1.0328699396
0.1931073172	0
0.1362781535	0
9.8835271282	4.2803270651
1.6174587836	3.3432621353
11.332767426	10.8289194257
6.2272277072	2.3435960703
0.3416627357	0.3550661164
53.8893048457	28.3888074164
0.8363634483	0.4552815498
3.2629957731	4.4490569711
6.5421715601	6.1362111573
0.0452574509	0.0739088338
0.1593327886	0.5300420728
11.1294499063	12.7899779858
0.009663	0.0315613705
0.003022	0.00329
3.5598504739	1.6401935528
80.9370520098	93.0195785293
5.9739131145	25.6592247977
0.031538495	0.0400592447
2.1170518275	1.9082182037
7.8068813788	1.368240446
1.2791329838	0.6927783264
1.9616674422	1.0555761988
18.2407740262	7.9199745532
4.0405056902	5.3109482173
1.6958629631	1.713006898
10.817292553	2.3553940469
0	0.005112
110.7949661459	77.7301619823
550.378234629	317.9171284886
15.0815707557	10.1129577397
2.2393865172	4.3294002441
0.9880114673	1.6067321246
5.2054026602	5.8207554458
0.2679395992	1.2835257382
2.4056110882	4.4730952342
6.9225178215	6.4258486892
5.0667832521	16.8038338181
4.6089413744	2.1532911781
0.9857777322	0.6036935454
0.9103664769	0.8495412466
172.3905061944	96.413257059
5.2970664294	7.7787526047
1.6177170858	0.5463093406
0.1229913898	0.016737852
0.2658230158	0.2276660807
0.0638219793	0.0445132346

gene_expression_table

0	0.088811318
0.1499351916	0.136030826
2.6858545358	4.2083090423
3.8256032122	2.1960905033
0.1651028169	1.8873775472
4.7246855468	10.0995014271
3.1201934075	1.5533325296
0.0374602207	0
177.8426341163	42.3544402017
0.9001285141	1.0779837313
6.0679131332	7.3426044954
0.0489203009	0.0443836358
1.2736036694	3.2353859038
205.2875407633	91.6715204359
203.424677417	96.5390347953
0.4680961947	0.7105338549
0.008189	0.0445778923
10.0925200767	16.2071497304
0.1794831561	0.5536513596
1.2027973724	0.9922264759
0.007685	0.0007606
2.1499292857	1.7383882914
0	0.0258452738
1.3226518309	0.4341156953
0.1659676662	0.4102592933
0.0389670092	0.037528963
2.9404670012	2.0651758314
0.5587749106	0.6935164249
25.5676530552	9.0335083952
7.3617115874	8.2450334415
27.2916226329	32.3497083131
4.1840827642	1.8815295262
0.4742212568	1.6314850625
11.3594554352	6.8549801214
3.6684078204	4.0052041233
5637.7177436724	3320.8561298906
0	0.009332
2.5813180029	1.9672273442
0	0.0161148574
6.9840040196	3.2500252561
4.2004521352	2.2223505728
2.1853852909	6.2135109253
50.7073247953	43.2915311293
27.7275365884	8.8927969015
0.0546804304	0.0807927687
3.102940952	2.1717157799
3.310119787	3.5008184175
4.4765368223	2.9872947561
0	0.0131817856

gene_expression_table

0.3770876394	0.4746888654
5.331173743	4.3803796814
0.00816	0.008884
7.1357844887	3.9283167271
0.7707137888	0.5264873409
0.0552075358	0
0.3630910704	0.4331516185
14.4288120388	18.2304938987
0	0.007787
3.5434073178	2.4178210223
0.4949754863	0.2193149747
0.0480146588	0.156823125
17.2186890631	23.1808831312
0	0.0141520819
1889.2403053062	2598.2635071647
68.8490431546	84.4596664363
1.7249090182	1.0731072924
1.6209394042	1.3012760823
27.7831542913	9.2210078357
11.7265662668	6.5259438464
104.8952753095	53.2525481902
0	0.1713366608
0	0
0.0280334708	0.0114451935
1.999039787	1.127526618
5.3644558524	6.227887235
13.4102961235	28.0855294388
0.6129694482	1.1586960475
0.7864452343	0.9148612431
18.5141652107	9.3009502896
0.6303636325	0.683752054
0.1421378826	0.3444983643
0.0922656911	0.0645757881
0.0186767473	0.007625
0.3747109878	0.2902751184
4.5369631347	5.961427943
2.9059516987	4.5380168139
0.0199875611	0.0353612959
0.0202312275	0
0.6469977587	0.5110334479
63.3095976444	110.1678122316
0.406215578	0.5102928497
109.359722134	73.4702106902
22.751243333	14.2218173724
39.3375334254	19.4835722929
222.0883297265	138.483274688
0.7516624566	0.5703635418
0	0.0156845314
0.6950067496	1.8072877621

gene_expression_table

0.3545999117	0.1286863167
0.1176764588	0.3122836287
2.0792698883	1.3959708189
0.2654378535	0.3193303057
3.0190680574	1.0682459778
0.6051158694	0.5058642324
0	0.003217
0.0450072279	0.006125
0	0.0130391392
3.8861697333	4.0117193922
4.4689243631	5.925800263
1.5504838206	1.2719723597
3.3914641173	3.8384999278
1.7570657214	1.1470625019
56.7072602564	81.9667589298
5.4369871178	6.1114132609
1.5367731273	1.47642869
3.4306076001	3.8554434011
5.8971177874	1.8500386847
1.6384753734	2.4290532544
2.7909995992	2.4970270188
0	0.0404023836
121.8273410311	83.7244573201
4.8652071324	2.1738821058
2.1798909079	3.5346787105
5.759161641	4.4530870158
36.5799719336	33.3038061407
0.2091362451	0.3938778472
1.4446198841	1.8333885739
0.617188401	0.3797941526
3.0898441845	2.7259723456
0.00298	0.0113558929
18.9917909386	23.2215083825
0.2964595647	0.105036305
4.7802685863	3.2049446414
0.404859271	0.6362161019
19.0464882627	10.0689123213
0.008535	0
0.054430689	0.005926
0.82458404	0.780073882
47.9325063622	20.2416492892
5.7860045415	2.5444318107
0	0.0294201533
0.3882645707	0.3804392128
0	0
21.5126708457	14.5785084779
0.231311363	0.5378120185
4.4670920702	1.8316697727
4.3293703034	2.8045081191

gene_expression_table

0.0123521668	0.001681
0	0.009376
0.011671698	0
0.1750748488	0.2439769129
3511.0168770599	3697.9206054229
0.0683528216	0.0106309826
1.2798557736	0.9540401401
1.3859610343	0.8984201673
1.6156303762	1.5046561631
0.0951048737	0.1553134384
0.908836113	0.5641688235
1.0501838452	0.2942452572
5.5258943443	6.2519025369
1.1242508592	1.4146125679
1.4258857043	2.0051652475
0.0207017397	0.0112691679
0.371914181	0.3374244077
19.3566911907	10.7966936051
0.1075373281	0
0	0
0.11191546	0.0152305329
5.1618946916	1.1308219611
2.1199070848	0.6154610319
0.054818645	0
0.006536	0
0.5682928484	0.1173415672
0	0.0087
59.1048838978	60.300076512
2.6150606298	2.3464788038
25.6512915695	11.7566237607
3.2686596348	1.9729063603
0.1500270443	0.1966093431
0.0903841295	0.1923326239
0	0.002202
6.6366188969	4.7252614462
18.8843467006	18.0062549335
0.024475523	0.0386380309
1.4924045645	11.3736434819
0.0476601385	0
6.1695994974	4.2291893685
0.9743856042	0.351957672
23.5559965575	46.4137494142
0.0439837976	0.1436577236
0.006294	0.002284
0.3386832642	0.1396705399
1.054015245	0.8837788029
2.0709732005	5.5576468838
0.6485064648	0.233187526
0.3837145215	0.443866303

gene_expression_table

1.721686585	1.8353788305
13.1855177037	16.8282685687
0.266421063	0
0.001714	0.0014
1.6743218687	0.7453810927
685.3171361269	1253.1695123296
34.4808628565	69.6052337871
0.1392420706	0.3381739267
1.4115175986	0
0.2210667769	0.5174601873
3.0933845869	4.9500178586
0.005691	0
0	0.008963
124.7322558752	93.8673137626
2.7540993805	4.465294989
24.84605502	20.4098099969
0.0316622381	0.1009514203
0.00621	0.002958
10.2959403521	8.38611093
0.1136937035	0.1547253339
8.5477085657	5.9220226402
0	0.2496705273
68.6692900435	58.119325456
48.1942110967	50.3741671049
21.4887968955	13.803178836
2.8662474647	3.9955464561
0.7779947034	0.2798178039
0	0.0354486718
0.533032315	0.96940042
11.8354260059	6.0745595869
0.1392125457	0.3662774053
16.5694227951	9.0340003954
7.6318650582	5.743656432
3.8475363773	3.9284885116
0.1251495235	0.1470091826
0.5057934528	0.3441662047
14.7773204775	35.0725374546
5.4107142724	11.175073805
0.0471792842	0.3467129976
0	0
12.2743882522	8.7174881214
0.295242321	0.2678627769
0.0849086243	0.0231103656
0	0.004117
0	0.2081381629
42.0181285128	33.1580661912
3.8408042674	5.7176280571
18.0423236721	25.0515658338
45.1397819226	17.2666110588

gene_expression_table

3.9382094562	4.7573520478
12.6235472164	12.2496149059
1.4443450913	2.795525416
2.2602916565	1.6778304125
0.3851190403	0.6289284659
0.1855908072	0.2104748602
9.1868300231	4.7646646232
13.2237915679	9.2521046673
0.0897445549	0.1899847095
0.3469155217	0.4181599124
51.2077117845	35.6720683113
9.0013223255	5.3853615335
205.0440483889	69.1502171202
91.3723931647	64.1457875634
0.0116924512	0.0254595406
2.9277300995	2.0345550089
72.2044817076	46.4199578018
18.254204591	7.8218976721
2.4967437087	1.9280591356
2.5878226584	2.9237237329
0	0.0184819216
8.9462696945	6.6672316841
6.3744471532	3.5594170618
0.002059	0.001121
6.3379644734	1.2204523157
232.2222043115	93.4199533164
7.1558003299	8.3782406529
0.3340469847	0.2517802817
0	0.2897036872
2.3182441109	1.874555822
10.951563954	13.3332691683
0.003273	0.001781
0.1692128167	0.3106843132
0.6117301189	2.0812530511
4.887204065	4.0059942602
0.762428637	0.5007854382
0	0.001303
9.8083208799	5.9815577384
2.7614784816	3.6984335364
0.1917383858	0.1962239087
11.9898593724	7.2233535736
0.0009539	0.005712
0.1096548768	0.1027733014
0	0
0	0
1.9495711881	2.1529774295
10.3506211321	7.0056639222
0.1271825116	0.1882648515
13.128220483	10.0789307896

gene_expression_table

1.5170113141	2.0112177073
6.6581892121	3.9349272783
58.1501520167	29.5632391315
0	0.0167389119
50.2722328207	27.7424273483
0.1826611273	0.0357337835
0	0.028594318
14.3406447129	9.3243729878
3.3954861614	1.1946728344
0	0.003249
0.1200530828	0.1307038315
31.4148581794	18.5306059816
59.8481479337	20.0529416312
13.5518449489	9.6544135278
0.005345	0.005819
0	0.0166085019
0	0
0.0579024389	0.047279527
2.7800104141	2.2216859166
8.2513104048	8.7026124294
6.7120813448	5.8898448592
0	0.0728708664
1.0395677319	0.8663122654
2.0201348461	2.5386495941
2.6562263011	2.8885699288
1.6476222674	1.0691014401
0.5579235635	0.4770401239
0	0.002766
0.8478701703	1.0153997296
1.5042011836	1.6985537076
0	0
0.6482597497	0.620223357
1.9317126111	4.5723393988
0.4636022111	1.400630206
5.2855274109	3.7035008269
2209.0264683034	2023.9951946187
3.1939459494	0.2021687927
0	0.0389924288
0	0
2.012636897	0.6231456783
4.1298704008	4.5954422973
1.5189865039	1.1755546847
0.0458829396	0.0153703188
0.0873657077	0
595.0521138112	1147.297997545
7.9465156072	3.5308057907
0.0592444124	0.0387002392
46.9451577511	56.6960227645
4.5565446596	2.8772568115

gene_expression_table

2.1970804677	2.2723989008
14.9954250567	10.3690727361
4.7707302128	11.1275632659
110.1639150861	98.3833721786
0	0.001298
10.0729704788	12.6201169405
0.4601795565	0.4249032322
15.2682198823	8.7406116962
0.1654376409	0.0831298944
0	0
3.4339917715	2.8446213477
2.0123418911	0.3370570485
4.4406611391	3.7332998053
0.1997514647	0.2684849558
1.5160932613	1.5290409423
0.0174754633	0
3.2802656835	3.5712809953
6.3600295982	2.8164644595
6.5985650669	4.1558148084
0.3522095836	0.3264562599
1.6542398803	0.8011797335
0	0.0723591259
0.4845011365	0.4303164014
1.5106176856	1.1378580371
1.2846864403	2.4511868994
6.7496714764	3.4701165198
0	0.1232503098
9.2413309701	9.8909859062
0	0.2790244509
35.8977247407	9.5379820368
0.0797059583	0.1260335979
0.1904728875	0.1229144885
2.6595312759	3.1506338648
0.0909924084	0.1919384013
1.0632651999	0.7315356612
2.3734235037	1.3222958651
63.1242987931	45.0553956597
0.8165315857	0.4123543955
3.5061551517	2.2620507841
51.4573194765	25.7450686522
1.0772784658	0.5705046273
0	2.3213655438
0.0488302417	0
0	0.1437868711
9.2344408901	7.8622136401
1.6844699823	1.8132795962
0.0126278009	0.0120295888
5.042863073	3.5547831253
4.1975029261	3.9103206168

gene_expression_table

1.5775655643	1.8496395501
5.1837324173	2.7941439961
0.8136954616	0.765081703
2.4857382728	2.3051391914
2.7381345213	1.4312023435
14.2871060592	12.8943398614
0.005506	0.0359683607
7.6632985036	9.4076817579
7.2553920862	6.3717096842
73.6014721738	45.2649377348
9.6063234704	23.17398403
38.7360319523	46.0022522402
1.1598373498	2.1627688932
2.6486492492	2.8931778913
48.0392200911	32.7273446063
214.1817148377	117.2435933611
8.4162368828	13.7695229854
0	0
1.0917034122	1.7828340864
4.8901362467	1.2187411359
0.4122679228	13.0980575549
1.4996368558	0.163268013
2.3553732214	0.5128669708
12.9667763286	9.8738446226
1.4862907444	4.1970765414
5.5618761439	2.850011543
2.1000902555	17.964602469
1.2000515746	0.1633145679
2.4014922562	1.8255129705
6.8945793419	3.4403626115
0.0102845979	0.0167955248
7.0734906425	8.7460069215
1.2414055975	2.2917406721
16.471035489	9.2004041177
0.1251231845	0.1575086963
27.3224330377	23.1921062701
450.2930152306	500.3456325266
3.7392988645	17.8107922141
15.1525137705	2.792765227
0.0766199547	0.1233127474
1.6511302372	0.735387361
13.3353379585	15.5332881394
3.783055497	3.2378754439
201.6520049468	153.2604401534
0.0814525003	0.0823445269
0.0124808894	0.0407644692
22.947283938	25.8499492601
2.7495850529	2.8179001357
1.6232335723	2.4488924522

gene_expression_table

0.0173741738	0.0378311166
0.9235526618	1.3891603315
0.0457023612	0.009047
1.2009608298	0.9355434188
1.3326390946	1.770057532
0.0633059698	0.1033834277
6.9740472125	4.6674131952
5.4115479352	3.4367924513
0.0848487101	0.050806928
1.0018216677	1.3799467566
0.2107240573	0
68.0863050581	86.4296280426
1.0146187172	0.9949528035
4.5065561122	8.9124344319
1.0102958487	0.8181043573
15.6007659582	17.3808381184
0.3289238665	0.1587056265
1.9417764992	3.0861971879
0.0379534384	0.0154952075
0.0723024476	0.2755091621
0.0457494225	0.2677189338
1.4236238936	3.6454833962
1.4852786968	0.8560843191
0.4433493948	0.3777511464
217.1540502436	101.1006227063
3638.8381429333	2322.4887457717
0.8524456233	0.4047425271
0.0351377484	0.0191275319
14.8538896824	18.664960743
18.2863111818	17.382897584
0	0.0470951407
0.2899044609	0.3842378074
1.2744060382	0.9516347773
6441.4737154322	7390.2766065005
0.3525848408	1.0730774611
30.2286520287	19.6205848446
0.3520021554	0.2776467523
0	0.0207084585
2230.1720960018	1528.8178833092
0.525538594	1.0289701939
13.6369769032	10.641943159
1.0058370114	0.7492596853
0.4811682863	0.2496020195
57.6850830678	70.1134693598
5.3985478407	3.4919209919
2.9262942635	1.719825522
9.2497935683	10.6025834546
3.3849562082	3.9988984422
0.8397008923	0.5078870175

gene_expression_table

1.3560483709	1.6170677928
0.0742287446	0.0367336799
2.0978719468	1.9373119627
0.8676014905	0.8440021387
0	0.0523460394
4.2842892283	3.2248331077
1.4310606025	3.1504080838
1.3918492169	1.2122639167
0	0.0455964167
0.0127000123	0.006913
85.8037540659	63.7792698697
0.2799934051	0.9526049325
0.2453474359	0.2893734165
0.8125971749	0.8643506905
1.8395083845	2.5276847097
0.4327441259	0.353351913
0	0.2872337962
0.7854342035	0.6352287056
0.0413035201	0.1686294158
13.6471699771	8.7819924774
5.7445979983	3.4530241344
0	0.2949249174
1.7795873392	3.3849997793
3.9311712227	3.0672852575
0.8744893443	0.3753358445
0.415035407	0.9783306402
0.5237618948	0.486371347
6.0017891023	5.4337445635
4.269941513	3.6443966172
0.010682545	0.0116302682
0.4284486689	0.4149955223
0.0490176516	0.1232508567
5.8851690906	8.362950926
1.4358577811	2.3480414742
0.0129761506	0.00883
13.1586281241	4.9166229554
8.3444769578	4.9906488048
7.3678747532	19.6043438284
5.26435888	6.0598305401
1.6559250465	4.6308486783
1.1072418772	1.3664780104
33.2548093484	17.4739776905
1.3280325269	0.5484264617
7.8646039247	8.6001029221
0.009017	0.004909
2.3336595118	2.723175609
0.0788222164	0.4160731465
0.3772143831	0.3798787311
3.7959933473	1.737223161

gene_expression_table

2.1346017813	4.2606249313
4.3817475345	4.4842540251
0	0
1.6548714737	2.5463838646
27.982585585	21.9878666693
30.4333158398	35.3141921255
10.5394534503	14.6275938931
0	0.008789
727.0508209451	879.9398293795
1.242712278	1.1739546992
0.0640712004	0.4185324286
55.3954987228	66.2360518
0.7017013912	0.8442015226
5.8492900066	11.2126184542
4.0029108446	4.0649526991
0.009434	0.005135
1.2306549583	0.5591040652
0	0
0	0
10.1602764401	13.9088421705
0.0686726567	0.0841107244
0.0788241847	0
1.6976983621	2.2921992648
2.2256590317	1.9210263728
0	0.00853
6.7911263976	3.0009377389
0	0.2511485155
17.2634178455	16.6423731381
0.626090579	1.6693113142
0.0136227068	0
15.5796429121	23.7618317246
0.1319017666	0.0359009237
2.3845101165	2.0119439323
10.8597976339	10.1002606054
0	0.002057
1086.1413377991	1022.6495743226
6.7982610498	11.7160895279
1.4089577229	2.3798235026
4.476781391	6.4998262395
0.033887697	0.1844705584
0	0.2246055646
1.8372364965	1.3334870641
3.8989400497	10.0372833355
14.6688364997	18.153638948
1.6196447402	2.3184586572
0	0.1317713539
0.8188571311	0.7507399364
0	0.4907833673
6.2591120633	11.2040469212

gene_expression_table

0	0.2008219459
1377.5607362758	797.6586121529
7.7300464996	7.0131941587
1.7757423483	1.9008432735
7.384222605	4.7926766888
6.1088208253	3.4441523995
21.5064886713	35.9889225066
9.8406729398	15.232650448
0	0.017083073
101.5294905899	78.4356839642
35.656365808	17.776343838
0.7521935676	0.5039544123
21.1605186441	32.3952190569
16.668808087	8.0706728416
2.6536492625	1.7838571845
6.8715589249	5.7283454208
2.7656691053	2.5500118617
42.8722935533	85.585702637
10.8840103346	5.9168932234
15.8226407482	12.2513298129
14.0089676958	12.1274430046
210.0010672037	130.5841220842
0.4563891864	0.7060907319
26.2191821638	9.5442771242
0.1858310891	0.051498991
49.4696333434	33.6003163133
0	0.2663616741
0.0645621282	0.0684401524
0.0301267099	0
2.9314128142	2.9733562861
0.0662570076	0.0961801735
0.0532322968	0.0772732082
1216.6869709954	1014.2224375786
0.8183920023	0.6682479607
0.9667550945	0.9988225629
1.2915077246	1.170064761
0	0.0471938192
6.2202704128	5.741575004
13.110843838	31.0969252935
11.3420075259	7.3331584055
0	0
2.556492308	5.0056187299
21.9142997434	29.6352262119
1.0218389695	2.1978529164
33.0171093513	35.4969594512
29.7195394569	12.5453266648
58.3679943085	35.527365146
1.4190861409	1.4882287131
0.8110887926	1.1288425041

gene_expression_table

31.622843361	19.9727801513
3.3576293306	5.9556031049
30.4890566109	72.9211118259
21.9476865397	9.7529874777
2.7080729649	2.4355728744
0.6817433121	2.75404736
1.0380572975	0.2825376552
34.7672934488	41.9523487376
25.1974304091	20.6214813253
19.2674254806	7.2792535102
0.0327797647	0.0107063661
0.0267181627	0.002909
81.6833556094	67.400761265
20.5225120891	31.120896406
0.4593049757	2.0002125303
12.1891780574	8.2127644075
13.9919028336	7.2836445887
3.9709920719	4.1739215662
0.8971698133	0.9806400702
56.0997450264	104.7885344324
21.2342749863	7.6346864694
1.9923848218	3.2537148219
52.3755108518	29.7726054519
0.8891426287	0.9792807912
5.8630179321	0.5802879328
352.1625141538	325.7290521275
32.3913389548	37.3325289111
12.4166906962	23.2882789259
47.4992108447	36.732787511
7.6148301796	7.6155954298
10.3974821999	23.2203396276
158.271132919	207.372896244
0	0
0	3.3034992913
0.2934035745	0
0.696477417	0
0	0.1298150928
0	0
0.530984213	0
353.0073280422	268.5284305175
0	0.0219929747
0.0275351396	0
0	0.0385299726
0	0
5.0870288331	5.8906741279
52.538131779	74.2585545902
14.2594705246	19.6828835738
1.904805365	3.8647978563
1.0947302237	1.6487277681

gene_expression_table

16.8799512059	16.5585573084
1.3595363975	0.6290639116
5.6670206455	5.9374468084
69.7353050758	114.3453928268
19.6910180888	15.7086236095
0.3596094121	0.0783025757
0.009936	0
0.562049513	0.6718553403
3.6922764374	2.9512779504
27.0661759647	31.7481647005
0.006681	0.005455
0	0.007831
0.0217368908	0
0.2079852173	0.1698277805
14.1015994213	15.2787611722
4.1509102374	4.1113719054
13.7595134512	13.6636650659
0.2205773671	0.3794311984
0.1119246724	0.0638284391
0	0
0	0.0660185799
2.1971047131	1.5168940542
0.00517	0.002815
54.1014926002	224.3855786978
39.9287389163	29.0431895503
27.7212995129	47.2862950927
0.1405859458	0.2104551739
10.5859128277	7.3266473169
0.0380660354	0.006907
0.8657256319	0.3500826486
0.0605809218	0.072551027
11.3608961751	7.7090268475
2.3540850123	2.1357769657
2.2229266283	2.4092364747
258.894758877	250.4433166316
0	0.032216458
0	0
0	0.0325654123
6.1151163361	5.0737591675
20.7635737711	162.4464714825
3298.9332865213	6929.1581178491
22.8793538271	17.2307996686
0	0.0391191988
46.7030926383	43.9077974408
2.047910214	3.5832771203
34.6590330445	19.872769498
0.0188286546	0.0409981524
0.1229716244	0.2677625945
4.4478920474	7.3629749593

gene_expression_table

64.8286479353	49.8547988137
8.2133914141	4.0585237172
0.5012204294	0
30.2727592562	78.2350795839
0.1535474068	0.1253772534
0.587851441	1.0785250131
0	0.1323804899
22.8669418114	33.8334481489
26.4383566873	21.362815126
0.0202259771	0.0275254563
0.8838295758	1.6780531699
4.3232610601	2.8178915039
0.5986146517	0.5248600391
26.5527805562	15.2129840392
11.3522059906	8.5225116364
3.9375756644	1.190807095
15.5803044329	39.5488663396
4.2457780297	2.8749388468
21.3109621063	14.3898466076
3.8035073402	8.2818861582
0.002025	0.0005512
0	0.024112499
0.2247597236	0.1712898115
4.9418585502	8.4547341792
2.2177104866	1.7776786744
0.0890026831	0
23.5297360152	53.9669507768
5.3179246987	5.2511368546
4.2554046511	6.5126223678
0.0625272014	0.0538922545
7.1748529444	9.3780129444
12.6477386832	3.3676160975
5.7490307608	8.0767259779
11.2398321662	6.2402593031
3.5038786221	3.0725664037
0	0.1449815886
7.1022338727	7.1144857904
1.6652658127	2.0602308979
19.9968242448	16.1483722205
172.8805921757	246.7472445651
0.005745	0.009382
0	0.0132326456
102.3036714785	128.3020827688
57.5968486216	47.2483389124
8.7023304177	6.0308040963
16.4054564377	20.5330022555
0.0642107221	0.012710419
13.8048217284	6.3988893906
6.0092506302	4.2740321817

gene_expression_table

0.001646	0.003583
25.9739798436	8.8302012683
0.8301395017	1.0308820276
2.3216554252	1.6587543762
7.9542897751	12.1492936575
0.0384016629	0.0507675165
3.4715219488	2.6854377216
0.007204	0
893.9408288028	859.1779042901
0.0554285754	0
2.0995844708	1.5212747786
3.9201981487	2.0595970804
0.4784342293	0.2976454149
1.8871160168	1.3748393963
0.366054095	0.7262089723
38.8419994948	28.5489197256
2.3674112909	16.3851600375
1.6963494727	2.1949408445
29.2861794136	13.4156296669
14.3816634866	12.9583680902
0.4566822745	0.9322457873
6.1189634657	4.3072108916
0.3559113788	0.0387486767
17.5834195296	23.2949413681
1.6506737153	0.7251522824
0.0330988177	0
13.7151528075	11.3665887569
1.7868302598	2.9072211909
0.0601342671	0.0392815191
8.5288322149	20.0374982162
0.0205939561	0
1.0752833609	2.2136480715
14.9117702519	12.647119404
2.4597695451	1.4775133273
182.5601600449	52.098950529
979.3211171634	995.7938751455
15.1550718486	3.0581126019
3.6297322962	3.2560203842
10.7361756938	29.8710121574
0.2370675319	0.1720663005
0	0
18.6595322246	4.6616430787
0.2542858787	1.7424972502
2.7860100341	0.2476062425
1.0554008613	1.8160561625
2.8052410529	2.2220634258
0	0.1524201693
1.1771990054	0.8430015894
93.8900625061	59.6281622077

gene_expression_table

641.8809631988	177.8408318633
37.6430047074	18.1301532346
127.201732058	146.0112998304
7.9627894738	6.712894862
0	0.1660669609
24.4684934418	9.3930355067
23.2895052534	10.1913023836
30.4912974192	23.8333082809
6.6874575038	1.1813135199
4.3678981045	2.7001027797
46.5908098624	39.8737528575
50.1370069097	83.0728094171
1.0885199255	1.7447160416
1710.8162104731	2453.5678965248
18.2042721002	12.2610926225
0.0589291837	0.288707417
0.3110784886	0.1270036639
5.3660047705	2.8892799632
287.0124905471	202.9689280267
327.6037004962	77.7154763818
4.1914693066	2.7285854038
0.4262955918	0.6182794136
3.623624367	5.3540662253
0	0
1.6455195777	0.9554694019
0.1973529978	0.4604176341
0	0.0907569131
0.7144388867	2.0174751831
4.7763670869	3.9482331991
219.3947688517	164.0660431583
53.1322319627	63.3669365256
4.8064783683	4.820449781
2.497180106	4.7577642334
190.276796585	102.0483715377
58.8638247927	28.753778855
0.1950674796	0.4778398801
8.6633195122	6.3171234823
2.4126959136	3.9115630099
3.6344152337	4.2702634611
4.7953972665	5.4116702553
47.7638399377	25.8409989983
5.2168570647	6.5832665474
0.3963628623	0.0431526984
0.2353397569	0
0	0.0264534751
4.1817479891	8.3941145619
6.2897251195	8.7650952023
1185.2651818144	1800.1352341954
5.3468701084	13.1786141882

gene_expression_table

0	0
8.303748158	7.4854002084
0	0.029065932
1.3556225766	0.8233039398
0	1.6746906129
245.053521225	95.402059396
0.6294242381	0.705528073
0.0690241657	0.0483092885
13.6642236103	13.416894028
400.1573086759	359.9247546869
0	0.035676105
9.5980256901	8.6602299677
11.8006417451	5.0248231581
3.3225638463	1.2839294699
1.5711326231	1.7434133791
58.7836025502	19.759969467
13.4885407353	3.4322147171
18.2813174642	8.6950765482
0	0.0603110819
0	0.0333042442
17.5489682178	19.9690764934
1.4686642834	1.4070845925
24.326478399	4.8500697314
2.0180584769	1.7412348038
0.4286126797	0.4924376004
0.4916195909	0.7855862726
2.4994861603	3.6772347614
40.4218416462	46.5893181727
0.3504036028	0.7720638182
10.364126235	4.6270879185
12.1314001432	17.8645461324
11.9218213438	13.8318738844
3.7038623746	4.9223019758
14.1792726738	7.7381979376
4.9479766241	4.827923515
0.0145648617	0.007929
0.2628270163	0.2490514675
0.2251348521	0.0490216279
11.1788343809	3.2091597474
73.2595331337	92.6569723692
52.88745936	37.4171262364
0.345047099	0.7588304538
0.0360822101	0.1113027266
5.8836913278	1.293946297
0.6290110622	0.8689669746
2.2065829774	1.6310653994
0.2546565136	0.138624437
0.3358514913	0.2531403873
0.1033262349	0.0703081424

gene_expression_table

0.0770063591	0.0688670368
0.3222133255	0.1846311175
3.810248457	9.9136914728
6.0992635241	5.1378059578
1.742660097	1.2486642246
3.1098901086	5.3025392156
79.4755049758	36.9156748447
0.7942040831	0.8710213019
5.2954658482	2.8621876333
12.5210792357	4.4274585172
4.169432417	5.4646253658
2.8505695421	1.8947461392
12.5700887877	33.1684961617
1.5882831095	3.3377404065
0.4027641904	0.7989549748
0.0191790812	0.0208805917
4.9694604891	9.5682795608
8.2750419106	4.3298961612
3.8003383409	3.8389109712
2.7353593527	3.4966782722
67.4258408265	37.1007807983
1.3154030886	1.6860204374
5.3874802601	2.8208796156
0.2261225517	0.2945995462
74.6141105609	163.641197036
6.777248366	2.9514021881
0.0758773162	0.1073916008
5.0815034558	6.2374186706
0	0
21.9624659661	15.5116101265
9.2392928306	8.8994824785
34.2230206488	13.5714619222
67.919840825	28.9218124227
0.0309444074	0.0360961096
0.2128331326	0.030223702
0	0.0637302982
3.5769481035	4.0036741931
0	0
5.8943709692	8.0216273057
0	6.0672053986
41.9093483059	1.2007215715
0	0
27.5070645228	12.47808692
405.3346331623	225.3419762464
8144.6831105878	1101.4311338964
2.402158032	0
0	2.0979640646
13.4031237961	7.2961043264
3.8574721797	2.9997825121

gene_expression_table

0	0
5.4493577028	2.053664425
0	0
0	0
111.0372044732	36.8561254586
0	3.6871943538
17.3294506493	0
14.0661125401	10.7198110358
0.7781149996	2.1377225673
0.4389791464	2.3418278781
2.7560044231	5.3832658809
1.5444035184	3.0531017525
5.0589309552	6.1809128275
51.7869940903	30.856476588
346.3142078538	220.7681914968
0.0414720228	0
0	1.190736361
4.2254828032	11.5008873419
18.5470380478	13.5730878466
2.8436357243	0
17.499296765	0
0.179706432	0.723902952
2.256914263	2.8666643982
34.839245629	0
49.354359906	1.221202963
17.7952679576	0
45.5370367697	0
0	0
390.1212606052	82.0504316599
202.1069910274	32.3584287924
0	0
0	1.2755995315
11.193034234	1.2186046588
3.9954881696	0
6.6034218703	0
19.4441621396	9.4085287824
15.7709133318	1.2264329542
0	0
0	3.0400434694
1.7430722358	0.754219017
1.6611070698	3.255255893
6.9635501556	10.0549066887
8.3826730321	11.0168185803
4.8378611863	9.2336143196
1.8991790939	0
2.2515813849	1.4299453687
2.4230935253	1.3448949135
0.3143922841	0.9241674009
1.4199727832	2.7648694334

gene_expression_table

0	0.0458268675
33.8350653715	18.5275514415
0	0.5092191061
1.2595241706	3.6505307803
0.068356628	0
1.7313155914	2.7263915938
0.2526765653	0
942.7714105614	1107.2495285247
166.5657688435	226.7567595441
92.3465587018	52.2474555717
0.8124673498	1.5479572693
0	0.2242757473
9.2382422212	4.0034112835
1.1838658736	2.1029337769
2.338366965	0
62.6421719385	83.0975673966
242.8701878207	351.2831029707
23.2253044791	23.9438007502
22.1282419408	28.1066252295
51.4579463618	27.5849982094
15.7752440967	15.0357932031
165.0447614372	303.4113827655
0.1579639503	0.917216198
8.6940061759	11.4140530337
5.2778791974	4.1659346624
91.435232293	49.5246779072
48.9587431018	54.4904815857
17.1866202698	26.6810212635
1823.2351883218	1651.5987251562
27.1669273087	22.5043117498
1084.8302025785	335.5128684792
0.0546625737	0.1190241458
53.9972901512	65.2874050844
19.4937124131	10.7050619837
0	0
4.6614028645	7.829920567
59.7053593487	26.2625146684
0.3310194173	1.4415458603
1877.5885442746	1971.4707023082
3253.8680366005	4601.2709245883
2.5063979569	6.2318933844
7.7077863175	13.6451613756
18.5415164467	15.4669435234
1.7550378949	7.1652734315
1.58098455	3.251240078
0.3055231123	0.0831570511
46.3399698901	16.7481152923
61.3939126132	31.5806485715
216.5161525132	125.8317516572

gene_expression_table

0.2540186427	0.2765544131
1045.1965429182	1029.4895560369
8.8560270862	15.2660363847
15.7295060707	20.6337686383
7.0735499917	3.455619141
42.9360270778	31.2405921614
58.487202029	36.2568032998
112.971927487	92.6558245208
1.7108052325	0.9312913652
27.5024554302	27.9532108147
0	0
0	0
0	0.185534237
0	0.1861372082
49.202207469	96.3146779086
375.230774539	300.5674465002
1.8977587408	4.2834240569
14.7470488776	34.889538236
0.0797260906	0
20.8509612644	9.9821307889
102.0009436814	98.2137174956
3.2879538062	2.3162448845
110.0225958711	129.9226218543
36.7415790411	21.5915468311
468.3911110616	778.6110211818
281.9456394526	213.5431183687
0.2654418715	0.7224776911
14.5960309366	18.7628048081
1.9773036045	1.9733303673
0.5139937557	0
55.304876478	63.0746707901
20.1744426387	12.7601883007
27.576386762	9.0068642723
12.303222428	27.5668272518
0	0.1388538086
0.051015575	0.0555415234
0	0
0.0616913057	0.2098886652
28.4670447481	36.555321746
26.5693236868	36.5196737072
0	1.9192768153
14.3988592883	21.386928684
17.1498813039	16.181851595
21.8798621953	43.5947020975
213.573686841	323.5802582321
36.8742482942	124.4514243814
59.6099875982	28.1436455482
2.8747137104	4.2131245559
0.0677012559	0

gene_expression_table

69.5365907763	702.6982507114
3.487146938	31.608204083
14.6395341138	74.0510422258
0	1.3461655454
0.1456054827	1.1096621443
0	0
3.9277469641	3.6080478581
44.0277352713	25.214092981
349.8837973093	366.2630537121
71.5598025705	52.9410925022
50.4719108264	68.63671364
1.9599103719	1.6892486189
1.4000601703	9.0185933607
40.378918922	36.2925245489
0.3894430171	4.3105978491
0.7640296405	2.5786173667
0.2776291887	0.09445613
38.1798278215	46.9753766751
83.3093943374	142.0760780468
0.4793372292	1.0437251747
55.4286280007	30.1730446362
5.2379313886	4.9369947202
2310.4443974408	3825.103745887
33.8956691319	24.5661021585
54.2586098966	47.5146525026
19.99551998	11.2549601581
86.1392879576	90.7020368354
14.2744404929	18.4547308133
67.9564527434	57.0303700816
70.6568140834	92.8186728737
9.4089788037	12.1518581352
803.4125476854	633.0675616303
0.5007234827	1.243614689
18.0915057713	8.6896454933
32.183585011	10.7186251285
2.8805974709	2.8468983669
27.9336799921	15.2441419292
9.4438496282	9.8346500343
0.007681	0.0459934741
1126.3263640907	1356.0168043407
221.686881769	224.7742862183
5.5456382417	5.3915172514
0.2877776055	0.5895144324
2139.8391616457	2674.6334694754
0.0149873966	0.0163170334
6.4336119599	7.9452699002
230.3999698916	158.7311802078
2.3996855775	1.8288049284
62.5522511573	47.1815691474

gene_expression_table

12.0268786596	25.0298106574
0.3234632904	0.3228133162
3.6305709289	5.7878298226
12.5621412852	13.1984133203
1.5972496712	1.2908380853
27.5717903145	32.8878028713
6408.7619053308	9235.8308108762
0.134385033	0.2682299934
0.0700076664	0.3048741445
4.1678795595	3.163046383
0.0692747707	0.2639721706
0.3555745921	2.5162806574
0	0
8.2598896259	3.5152030879
0.1034786672	0.0281647459
7.1298207367	6.2363208731
1.1989404948	1.1421435303
2.3661436687	1.7014722719
0.3976862359	0.9300788991
1.8486172681	0.324066099
0	0.0547148579
13.5495477357	9.0332971595
7.1601194102	10.4543033773
574.5096242035	140.0981356013
19.4376092663	4.7377736274
11.9264538788	14.3121286643
0.3732070155	0.2612036701
6.7549156737	4.9859957196
32.299962129	21.0142327448
0	0
87.8073084682	60.8600955149
119.6932190073	290.8712210424
0.830812324	0.281134438
1.1183070594	1.8491083487
9.9879853647	9.1179380152
0	0
3.8095132003	3.8825037596
27.3477322172	37.1500641669
0.2249443833	0.0962110179
1.7769700425	1.8953098845
0.1226079017	0.1043612394
307.3196805829	291.1008282149
0.0200110036	0.025417373
16.4575034099	14.1589942599
4.0522072339	4.1430452428
0.008087	0
0	0.0305430988
0.0694622841	0.0189061923
0	1.6298924008

gene_expression_table

1.4399387125	2.1065777225
26.5918639402	86.4481332522
8.4700549139	10.6416804255
0.224099088	0.3659707282
3.5728048325	0.4986888895
0.1045973972	0
5.2713230797	1.3312064735
4.2036192231	0.7877670934
2.2750508654	1.6376109355
8.0900190818	5.4226765209
1.9464145862	5.2388728548
0.3183013819	1.1262554024
4678.058872678	2375.4646951976
3.2821551658	2.753316748
20.4500526701	18.0580314298
98.1824175507	29.9939639068
29.6268405657	5.9002270811
13.9057102555	9.0032127971
0	0
0	0.0463629085
3.785667708	5.446295301
153.2700965803	66.1592504988
2.272941791	2.7039057543
2.1494284331	6.4353279733
3.2311000437	4.2778711241
0	0.2200661606
449.2806654676	376.7414839091
2.5351228907	3.560723069
564.8884750615	138.0903635879
41.9333239056	36.3153018785
0.2136335468	0.0581466182
48.5780771057	61.1761612271
50.319857049	35.9953184122
16.7018042542	9.6134279438
67.7763140181	53.7902760802
2.6825981426	2.2418614813
199.4338628886	210.3617138941
105.5717193462	20.4525776253
9.0824339254	11.5362335244
87.8140053409	88.8317894793
9.4995698774	20.204506109
391.824154332	234.7735191711
3.9190660673	6.4541402858
1080.6037622537	658.5440994375
0.0234979725	0.025582642
124.6569912397	201.4947550357
15.8422410272	21.0122187511
2.8836508879	1.7103135827
5.0253712052	1.8237356778

gene_expression_table

12.3572886732	10.4354093929
1.8682661462	0.3390021839
117.9690319945	99.3762188042
71.9653325546	31.930605314
1.1549988439	0.106564989
11.9952567493	11.6141263696
38.6482728947	74.0921641611
119.7736077624	66.0028577126
0.2834661122	0.3086143736
52.6199251417	25.5418539067
48.4094089489	80.0413435346
17.4037105557	30.0476830751
243.4369331849	82.047910339
5.7538053594	8.5439826156
0	0
92.880710512	45.9462294539
4347.8133480664	4234.954933135
199.0469977053	121.0469910001
104.4830027578	20.511499904
1.4507345302	2.1717290886
1.1328776574	0.7140639336
22.6588756729	13.0362176116
0	0.0165974322
20.5709433666	10.8975345326
0.2958026503	0.3199676603
1.694628802	1.9711521988
0.003878	0
0	0
0	0.0217645186
0.0471169574	0.0256485161
3.4602098947	2.8107904781
2.469956604	1.1913177208
0.1021301901	0.1806851695
0.8517942453	1.4886614499
6.5741124968	7.5742808904
6.8892353349	5.2118355794
0	0.1087316924
0	0.0180676401
0.002218	0.001207
184.685064861	59.8049448531
4.3560886353	6.5115933059
0.5428451317	0.6819285232
6.8546673881	11.2732747867
21.5139027353	22.609781594
0	0
5.2507677374	5.9794322556
2.1541129847	1.1158705276
18.9824421107	8.41821051
0.2147861337	0.2129626252

gene_expression_table

26.6696465837	31.7109595098
11.8448623592	4.4583657022
0.8035422365	0.583220059
0	0.00463
0	0
0.0106517227	0
0.007264	0
0	0.004696
0.003117	0.003394
0.694813879	0.6319172432
7.7885209731	3.3650041136
48.1052494327	33.1529814369
15.8550328008	13.5881946951
17.8481644261	6.5659287424
4.2594560534	1.5403759028
0.9157410013	0.9486860463
1028.1874521211	449.9356631978
31.1470429672	22.0777795526
5.6486766762	11.4518663622
0.0550626861	0.0449607616
8.3683089136	4.9247135823
0	0.003797
1.7072260536	2.0002103337
0.4556867988	0.5852594395
3.5419318593	3.7258856845
1.7387248834	1.2796776149
13.2759606586	7.5854677397
0.004075	0.003327
0.5889733183	0.3374869794
1.1022998617	0
1.2826942369	0.9309940094
0.0914710035	0.049793018
4.3012225893	10.0260251224
2.9660272946	2.3497936801
8742.7830635617	19417.9035676945
7.4438098606	6.5929291416
0.0352770549	0.0345660563
420.4206747316	247.4503998033
34.8906415469	32.8484321914
0.0105777789	0.0172743114
3.1444435212	2.5013447572
0	0.006724
0.003801	0.002069
0.2933562131	0.3109771079
3.8904421583	2.9577478724
6.2705517544	7.3788148495
0.5970589693	0.53053776
55.3046827563	66.8557024556
4.4070035182	4.3371980442

gene_expression_table

0	0
0.5459544502	0.4396008547
0.3246672868	0.5412521512
5.574950577	6.3060191536
0.5613437051	1.324146268
0.2001082237	0.3553212818
0.9813910961	0.8468091356
0.1203424997	0.005039
0.3755885061	0.2265580158
4.1534702552	5.5038635878
84.3080968216	34.5116513276
8.2715819025	24.3146118238
2.4893789566	5.0619066307
0	0
5.1698539155	4.3809519596
0.3745288664	0.1274237318
6.7268957233	7.0766566116
1.9446116182	1.6141252444
2.6855731538	1.442335353
5.566296578	10.1141341134
0.4549720715	0.540660673
40.1852812984	143.4755721036
10.6760014695	6.4952864818
0.05868617	0.0106487718
23.0893314108	20.0404919353
5.135874905	8.3521782483
0.1153570261	0.2654540317
68.9403174069	21.1315599663
2.5501800455	2.7918832868
3.4491142607	2.3019334473
0.0454508781	0.060307581
8.9903767491	6.5796949452
0.005858	0
3.8192779224	2.5092059878
4.2147457239	7.944554841
0.4610840286	0.805826081
19.6181371494	6.2740885474
0.0730456481	0.0210510102
0.6926074681	1.0135127969
1.0458963185	2.1260259707
7.7142339635	2.1919469047
31.6086857943	41.2745125845
0.7769783392	1.1314039857
0.0756349525	0
28.9679279186	18.5909743727
0	0.0650476081
0.7584217323	0.4727093711
0.3329573475	0.144998529
0.003111	0.003387

gene_expression_table

0.4549316712	0.4388111931
0.00719	0.007828
0	0
2.9412938364	3.2934683964
0.3328994061	0.6342581714
1.6525256528	0.9157747841
1.6461569318	1.6091543092
5.4745992802	5.2624073012
2.8164084905	1.105626846
7.3388065027	8.0714127791
13.9297466401	6.017299622
2.2722701077	0.3092323852
0.7947776997	0.8485043851
0.3810205455	0.3178083596
0.0212321536	0.0192631721
7.2411041482	8.3264071402
6.0927128649	1.3747647745
18.3543037189	16.5148642321
0.1412513988	0.2951637582
3.8482745854	5.436501948
1.0866748663	1.1428405304
0.5062649912	0.7525717359
1.4788927782	2.5729960701
0.7750609341	0.7835490097
0.115162956	0.0716456385
68.2589537538	35.0157079661
0.9704422404	1.2138935275
19.0999757883	9.5009208295
7.588393867	5.9870552529
0.8123889339	0.4698702453
0.1272762727	0.1789834614
0.3370853279	0.8918723225
2.6870838808	4.5344845233
3.5951680229	4.8650085605
0.009367	0.0152967013
2.6111173096	0.759705185
3.1935250109	1.6944117799
1.3294823721	2.6758045983
18.5146834632	6.2152699601
103.4212846931	37.2661296069
11.3980313148	7.9879776485
1.0776007089	0.8737484952
0.5377965743	0.8782624049
0.8431518113	0.9861799946
3.5550278255	4.0817352
0.1481053324	0.2714287337
5.8549402375	3.0176552733
3.5712500872	3.2525290142
416.5062733997	213.5782762162

gene_expression_table

29.0060582358	24.5671951201
0.019763668	0.0143446942
0.8933842923	0.3953831957
0	0
9.9234978239	16.8983775416
0.9446870644	1.5733553176
51.6169359656	32.6722298703
0	0.017836386
24.6533689488	23.3888789827
0.181050571	0
1.3313077804	1.2251028067
1.4194318692	2.4216915655
0.0761607275	0.0538963609
0.8698037842	1.0877359963
9.3332652871	10.0935426331
25.502754476	12.40507345
1.1176372211	1.7512296425
0.2025547285	0.2228219083
0	0.0425737151
0.5705307885	0.1741092645
24.116743652	8.8406357193
0.1027931269	0.2215869958
0	0
3.8551598741	10.8512408652
8.8127394372	13.3280346924
0.00827	0.0517695185
0.0905019255	0
1.1202468937	0.1524539789
0.0275067376	0.0190572154
0	0.0005605
0.0323170199	0.004398
0	0.0464701168
36.1752247648	21.7021447893
1.9011777931	1.4140146987
14.6665376754	18.2557646502
2.2099290253	2.2000694551
197.5924134885	132.3301117862
0.0260396535	0.0212623599
16.3043646331	10.8207168372
6.66957878	5.9363081332
0.701931525	1.8013398387
0.0649873513	0.1981079346
0	0
0	0.002713
1.8048299173	2.0461099397
0.19695557	0.181798395
0.009516	0
0.0226885503	0
0.4708006166	0.1537705897

gene_expression_table

1.996737986	3.9678633471
0.0286482511	0.0155949189
0	0
0.0241483869	0.0591542082
2.8535954722	3.4359507739
0	0.0286558358
0.0359523396	0.0587128846
5313.052404225	7997.5811658912
0	0.001963
1.9952373158	2.1560379616
0.2424744695	0.2199883963
0.4947380229	0.161588908
0.0321432566	0.3324516422
5.3207796596	4.247666412
66.4486440801	133.2958888189
0.5314759478	0.4527219699
0.00272	0.008884
13.5295739477	8.8581735028
66.212613843	22.6500381062
0.5746259844	0.1646329144
2.2197062463	2.3414154575
0.9406957191	1.1178238014
8.603776271	7.1630592196
9.3466247745	14.6235426696
0.1036324005	0.209982384
143.5777752066	114.0162254652
0.1944283667	0.5545949636
0.1302455447	0.1536172495
14.5046530583	40.4330847396
0.0877080042	0.1379288367
4.1327676835	2.9837506437
278.705863436	181.212955421
6.4236622132	11.9065819105
0.2381241336	0.4570983157
223.0758642495	431.7095185579
0	0.0157516072
10.822749542	8.0726138373
1.1133237138	1.2209634311
1.5732279182	1.1485835096
6.4065577943	5.2722252493
8.6631095367	5.147163869
13.3120528987	16.8750191765
0.7312920226	0.4648605792
21.8295934836	6.6141920509
0.9903539059	1.5850683929
4224.2845319532	3897.3027285959
1.0948019457	0.9160198809
0.3278230242	0.6250904759
0.0894396105	0.0827682603

gene_expression_table

1.5240428658	1.1148095128
1.0067525233	1.5903740197
0.002566	0
40.1617792932	23.8452751828
0.1749541698	0.0793648241
3.761433415	1.1375379116
0.1672353739	0.1676978888
0.0540213492	0.2404453107
1.3851878289	2.3123855454
3.2366771011	2.5739246143
4.5516761017	4.7627737361
0.9003687685	1.493709378
6.3930073638	6.272620405
3.5711038279	2.8968826309
23.1152399856	19.8651502557
40.3628861959	26.9916381425
5.8161448425	8.0659348003
0.0929593772	0.0168677423
1.3366231861	0.3638010944
2.0183657238	2.9037455489
0	0.3527473966
0	0
1.8427562719	0.9337553515
0.0474711033	0.04463497
2.5255868261	1.1226522266
0.008861	0.009647
4.4616356966	1.6606696086
2.6402918737	2.2344040632
11.2030705794	4.0121622788
0.0661965942	0
0.00612	0.0299856765
0	0
22.5982424717	13.5273220664
12.8136765385	7.0326430341
0.008739	0.009514
0.7279338709	0.1783156446
0.3796158248	0.7015125233
2.9624083388	2.4643439212
4.2548840216	3.6360655512
0	0.0567672978
1.2977655813	1.217104389
6.4493832535	9.6058747962
1.4651066288	0.6314688628
0.3307592638	0.2800802911
3.389937798	2.4604552601
1.1098389424	0.4190074375
12.8513016088	10.0782599354
0.7637954893	0.3789114998
2.8481164238	1.4520503373

gene_expression_table

59.8658352114	21.9093771564
0.2079715135	0.0943425505
12.0924968241	8.1616367086
0.0872226663	0.0712205993
2.5576420291	3.9482401868
37.3198912139	15.6519703669
14.6982163298	7.3492083853
57.1864354316	22.4150897425
5.8874994712	8.1458138417
436.8759324767	262.1457209167
99.099850192	101.6506158192
0.2971042596	0.4043280706
4.0635919125	6.94986138
0.3655918487	0.0459260837
0.0197382088	0.005372
2.2402964956	2.2024247231
1.3286044424	1.38289295
0.005335	0.0107878151
0.003575	0.004865
4.3241656926	4.6728683975
0	0
0.003184	0.0026
0	0
37.1578013086	32.6688739657
28.433214236	15.2246452175
0.255381815	0.3829348735
38.9683414073	53.4231314573
4.5891907796	4.6641271996
0	0.021872988
0.4940293185	0.3884530828
0.3320731718	0.4010115239
114.2074277128	49.3582230759
18.4339518539	28.3699970839
0.9677123182	1.075514114
4.5649260201	2.6569917017
11.2611306568	31.1021518026
2.3102141126	1.8154238022
202.0645642116	114.1777837121
8.0593710732	9.39228793
191.7186001874	69.9525301221
0	0.1189845832
0.1651460082	0.2696958984
4.4669176069	3.2759116925
1.3475220517	1.0024979412
1.1199806794	0.3882641628
5.9489968665	5.8252641779
3.3320413211	6.2036674404
29.1601033708	9.9677827881
9.2575899059	5.4278636598

gene_expression_table

43.260296405	29.6228622728
6.7616133141	3.8061807642
3.2215101592	3.3904024289
0.3002269134	0.3268621427
12.7701002712	6.2966599563
3.1883188424	0
1.830949952	2.6578484379
1.5424635225	1.175514375
11.1093955766	3.628496328
719.8683313055	343.7313333521
1.5419812672	1.2101214559
2.1008604597	2.5206345754
25.6783038788	19.3377211217
80.2903287153	77.7864139205
4.1691633278	1.8066936428
70.0198908717	34.0070960489
7.9792497011	15.2025033141
7.5202883622	3.5433150058
19.9303233672	7.6901972088
1.7170025794	0.5032811235
24.4819073688	46.3477283254
1.0525638513	1.5496290244
7.2110238929	5.5003563303
0.2174858055	0.4143658619
0	0
4.7148271348	6.619726853
58.3809210901	30.9566724783
0.5845527595	0.3926800676
5.7790636446	0
1.1902529562	8.882833288
12.2925424076	9.3944112474
0.2828062273	0.2501654559
6.1141482556	3.4771730365
2.552115881	0.6656899418
6606.8261821396	5115.8956972629
0.3038247814	1.6952434143
5.6636546647	7.5755152734
2.3360760298	2.0899194253
0.0395915416	0.0215519921
28.4791186826	18.0656520476
4.904977445	4.6951163206
27.5400488745	7.2603587146
29.7581023179	23.8340131367
2.7694049591	1.1410348855
2.5916075944	5.1159559674
17.7052721968	16.9617352459
180.4921868214	94.7156780863
4.4090719216	4.2701446125
51.4295203368	79.0128556179

gene_expression_table

0.0384985169	0.0733494818
12.3525336367	9.7402110978
10.8154810879	3.6390069386
0	0.1321209203
38.3547545829	46.3759371026
22.0061719378	14.1460354893
0	0.0512901417
29.4174588563	14.7786045055
4.5043052219	3.5349766185
4.6297376519	3.2519187488
13.4395537627	13.2706039915
0.7805493302	0.715366106
3.8645164981	5.006954474
0.4292919139	0.6091230077
0	0
299.0065351117	121.5185935483
4.6940144871	2.7712740207
0.002279	0.00124
2.9896227828	2.9689538686
69.6649219316	23.1439959781
0	0.0980922313
3.7934083269	10.673179156
9.3384639319	15.0986711357
0	0.0371779033
3.1232100155	3.1591363723
0.6885123423	0.7342972289
0.002295	0.006247
62.542810174	18.5627168117
0.3560731254	0.0484578579
0.8738445248	0.7597741612
0.193779292	0.39317287
17.7359352476	23.9523233036
0	0.002398
515.1095461159	545.678790586
2.1069930769	1.2969838343
3.064881748	2.8683234155
13.7436300011	5.5963690424
20.7480634581	30.1381737561
69.9487125537	30.2502009664
1.7768957541	1.6382883791
54.6874687807	50.3162766545
1.3547124767	0.7978959075
0	0.0247555407
0	0.00468
0.003849	0
0.5664143843	0.6214085426
0.0352678315	0.0671942032
1.0195982666	0.5550269801
847.8619190763	279.5018955485

gene_expression_table

0.891028913	0.5845343723
0.81346193	2.4281017768
3.5261376215	4.7248811725
506.6601569681	313.6995874349
469.6758599975	305.4758878606
11.703832851	7.6703089105
0	0
2.9814756477	2.1794458666
16.7561282229	4.7506983214
0.4344117333	3.5471357739
0.793780881	1.8642087565
6.0149023016	24.4310406305
20.9062099105	24.7306432662
0	0
22.3785107136	3.867280146
221.1103755892	587.0026127109
364.2905359692	502.5654434867
144.3460311388	229.0976758505
35.8648819273	71.7039518466
0	0.4343083902
1.0784408175	2.2732900622
35.127764455	30.7486868992
0.6608839158	0.6066824299
0.00999	0.004351
1.6454148981	2.0456776195
0.1630616398	0.2444902859
1.2007363401	3.1047473903
0	0
0	0
2.7894595458	7.2038852385
0.4121090129	0.5888794876
11.0393964662	11.6483367348
2.1828738963	3.695301058
3.4481321354	4.2812928709
0	0.6247209747
273.7548499322	264.9490515933
23.5600852906	13.510111295
0	0.009469
0	0
259.0613452329	160.1791124725
4.1830540944	6.008793365
10.5306665132	12.4919809489
0.0849737698	0.0462561936
10.0276344079	8.8937990625
17.6631203514	15.7373180787
0.0932027575	0.152207139
3.3252727642	1.7471790763
0	0
4.0888433842	4.1218456289

gene_expression_table

15.2810301486	12.8343241363
2.3255745241	1.4743642335
0.0478421798	0.1909841787
2.8610115478	5.889538464
0.3069672837	0.8624528991
0.3086742304	0.3274173663
1.9895921914	0.3040144323
0.06092917	0.0331673114
0.3828767169	0.1042110971
22.1620722442	14.0900071505
6.7380931126	6.0149820547
3.0008716025	0.8321858264
0.0679148418	0.078561295
0.8973374669	0.9274809017
0.002144	0.001167
3.8206262018	2.0296749075
6.6214610408	5.7429087465
1.5037365444	1.7224922456
375.136593432	333.4510674682
0.0695747243	0.1009962463
18.9478810098	4.2338749469
0.0114334199	0.008299
16.5031777572	4.7127318252
203.69630149	92.3720754154
224.4245961546	105.2487510476
0.0139227283	0.0353684588
4.6564559064	3.0650162111
8.2197487507	5.6806158373
7.9354721666	5.8450413334
755.4043619334	612.4089762614
0.236289631	0.8718002637
3.228205962	1.4171785048
0.1300871931	0.5665125516
3.7550046499	1.9476503536
1.1968889936	0.7818440326
13.1233197537	3.9911318478
0.7355087158	1.6015216767
5.8234967691	4.5364794102
120.0913331476	105.3864600781
0	0
71.7640881787	27.9345481546
41.3741004994	41.5346422281
0	0.0196071408
38.8700875317	15.3828465751
136.9557496392	157.1728716648
2.3290033495	2.0553087966
9.6165135931	8.2951935596
3854.7305536004	2690.0791754744
253.8465061216	231.4924250754

gene_expression_table

32.3986210314	25.509886374
11.6442949027	8.8114490712
7.4894124952	6.8849733478
0.1167493584	0
40.3767953678	25.8147922007
0.586184801	0.2844940496
0.896753569	1.1607665261
0.2458550395	0.4139494469
11.9781497458	8.5185970179
0.1726526449	0.223214219
7.262923516	1.5702376686
0.0397808196	0.0781987093
13.3214384358	7.8207255871
35.9198382751	23.0605820379
0.0393233438	0.0107029982
3.4605956285	2.9115904232
0.087501723	0.009526
224.8584637317	629.0367614066
1.648430168	0.6205881841
1.9120910091	1.5509273209
0	0
0.0151943104	0.0248134559
0.4021010315	0.312695876
126.2943004078	38.9747068291
19.9755706163	16.9059749283
6.4288976028	3.4301880325
237.6197936457	106.3568040062
4.797974113	3.8489949141
35.553857189	31.2121020227
8354.0620899376	6164.9375565954
0	0.021180193
0	0
2.2667401465	10.0770072861
0.0803900686	0
0	0.0297854381
0	0.0133937653
3.0645714757	5.9314685257
3.3888424706	3.455822664
2.7311755544	1.9531664226
2.8019334931	4.6906854871
0.2537582678	0.4144064079
0.4594119369	2.9009835821
6.1580727541	7.9824244155
0.9210711536	1.1051109013
5.3989738293	2.8834375516
49.9539151626	67.8364668218
13.6050677576	4.5023468054
16.7015580125	9.5671088001
0.4203699157	1.0445070606

gene_expression_table

22.070925543	35.8439112331
2.8870681311	3.9622029907
22.7698022322	13.8829411724
92.3074612066	43.8676078901
1.4261761759	1.6352927842
0.006165	0.002397
0.0145167329	0.033189689
0.2819786339	0.1331816244
26.1044544836	19.166667539
24.4665776499	13.2849566377
2.2779869402	0.1550051934
279.9315835033	121.4556711943
0	0
4.4925073356	0.7336603625
15.248853784	9.734434402
15.9915444909	4.3659590754
25.1693876584	27.225930164
1.3997497357	2.7092112444
22.8366168073	6.1026413259
62.1062927232	35.6841439285
0.3079749882	0.1955902687
22.3779985082	8.8781543453
1.7238862119	4.6920605376
0	1.3708918623
5.7564010998	2.0988844855
145.6040090908	95.5665742789
173.034341559	140.9182337261
28.2778063119	10.5282941161
0.0993706256	0.4032405494
30.3303111528	11.9576498805
16.3128580669	1.0403397541
4.4034724907	2.0871020205
0.92873381	0.676941816
13.972204101	6.3688595386
1.3964415593	0.5201127774
3.5826677428	0
8.0226299928	5.4960633953
0.8868052971	0.9654799975
1.5602190379	2.6287103448
0.1430841185	0.1557781114
0.3358267533	0.0457025367
11.4455765052	8.5957780272
4.7508856737	3.6797261674
56.2450684282	178.2975022567
4.814126352	4.4831933164
105.4304571958	138.2637974444
0	0.106044101
0.1848030242	0.2682642574
1546.169725526	1327.5156992887

gene_expression_table

80.2287248591	47.2800461795
0.3558494722	0.1383640599
0.1180911846	0.4371307903
4.0338442313	6.1742342897
0.3609417557	0.4715561081
0	0.4276870115
26.6711947511	20.5047579148
3.543530978	2.3147414373
0.1188999003	0
0.0426739781	0.2721221843
0.4883855259	0.1772378739
1.6527040016	2.1136671804
9.4671804247	3.5061881944
2.7256994302	2.1500747362
52.5737032169	43.4764354022
3.2483234317	2.6956828341
14.494463893	1.6716492757
0	0.009718
0	0
0.007377	0.004016
0.0115108689	0.0156650983
1.2920913711	1.4588226425
4.4170664064	3.9845463594
0	0.0105746499
0.0137708133	0
9.6976540545	5.538847556
13.8020430542	7.1178247082
0.1879201273	0.5562340547
43.2803462771	40.209108061
0.003643	0
3.6235748443	2.410862369
0	0
3.9933175651	2.0331389375
0.5001878859	0.4084222888
0	0
0.3047230117	0.3364166315
9.4330260924	4.8716172451
6.9625288032	3.352791133
2.1252705117	2.7792800783
33.8034884394	46.6366911056
7.8531619325	9.0235142683
1.3459731957	2.6178089126
14.5065980928	19.9688940916
0	0.120122523
1.4194543884	1.3384130283
7.5963937424	5.4973323221
18.4605565124	10.2230885823
9.0135742887	7.657781161
5.3996972454	1.2066891792

gene_expression_table

0.5160947766	0.280940577
0.9150225526	0.6759932664
15.7713177816	30.8452126179
0.595836558	0.5838276478
0	0.002943
0	0
5.6070762337	2.2370598251
0.0436035873	0.0118679916
0.9952049079	0.7488038611
107.9289319478	91.8830796991
5.3115001568	4.2447629097
6.9538629408	10.0663450541
1.2669121689	1.1034470468
0	0.1059656225
0.3788156887	0.618634617
2.8298072912	1.8983072383
80.3341752913	59.1558186624
18.3485760067	17.2399841487
0.66882493	0.5916308673
0.7261343283	1.0243209827
0.5860980681	0.7853476025
0.0142275996	0.0387245737
10.1854117414	6.0124668582
170.0515920972	96.0976364271
75.5501848183	52.4913304411
55.2048550317	59.4253996875
0	0.9070198922
0.6594121213	0
17.1006374146	10.4259425569
159.7648689433	97.2974210956
3.6300504748	4.6882726928
9.9993487781	7.396145223
3.5273528384	3.9624799928
5.7283323503	2.1014403928
22.977754921	7.0339151866
0.5710200439	0.2664339539
3.0203458404	2.5505418157
1.0905456434	0.0359786538
0.5232123813	0.1139260422
0	0.0439153649
10.8840123256	10.3389801991
25.1865692209	46.6387245759
1.9979184993	2.2501736104
9.5076752134	5.114334278
234.0625430963	195.8039377062
189.80411943	115.630543005
15.5049139268	20.0579622581
9.0496500101	5.2397427622
22.5959259362	15.228923399

gene_expression_table

10.4923068831	2.2211686024
43.3640990724	47.2358721181
7.8262777722	2.795822404
0.4425892178	0.9637088058
3.2286773088	2.34341057
2.3172785611	0.9049391103
0.0873802191	0.0815419967
1.0249498811	1.7110165426
37.7868818753	31.0000924693
2.6446719042	4.4478727163
1.3330480695	1.5924118737
61.705350053	35.306883715
378.582986985	264.4755778184
2.0611438252	1.4212014631
36.6902767815	45.5107443211
1.2693927139	0.7699766769
20.5296627902	17.8109473603
21.4265079704	16.1786829719
239.3291697587	137.6552558758
0.4518553653	1.3528421915
1.7781734291	6.4853575638
199.2626350642	109.86767163
3.6694534766	2.4328503472
354.5903773356	381.0911154916
9.6128589895	7.9849284693
1797.6569539513	969.0768401824
0	0
13.6592960144	20.3100776463
15.1631394226	7.2524624543
1.8889501221	1.4956597085
51.7851523973	19.1137793675
8.4509656064	4.0253105697
0.1090644986	0
0.0213300062	0
33.1311671802	47.6221452312
5.4421304379	4.9374499106
5.2056078888	3.9171968732
2.2602475145	1.7686783514
0	0.1060048472
43.2351659258	68.5597307133
79.6244300302	66.2080983692
13.2905845638	12.086442997
78.7332614306	80.28244892
4.3543907568	2.6412467063
0.00535	0.0116496662
1.2116231479	1.1832875012
0.1967913996	0
1.0036560835	2.2878352534
4.0592557708	3.2106612226

gene_expression_table

28.5486767033	10.4260491328
16.4112772304	9.9262424545
0.5079146599	0.1382438305
100.9346090484	52.4206546437
0.1518729204	0.3637625847
0	0.2467661308
8.4493844862	5.7534892113
6.161328837	18.6252471334
0.3968968569	1.1574330887
7.7297273176	0.3274507973
0	7.051298329
1.0925123533	0.655492524
0.799745529	0.6547638045
5.8329595339	10.8395478442
31.5597339424	22.2353857218
1.9786265978	2.0166645468
18.7819465833	12.9211625064
10.4289987858	3.430648708
220.5248550223	215.1314356377
0.0900732145	0
0	0.003319
1.2619510123	0.9533235805
0.1270042839	0.1935804111
2.8437495882	3.9904496274
1.4580093724	2.1645812476
3.2154658479	1.010161563
4.9060703985	3.1854873468
0.3050714868	0.4876941191
0.059309572	0.0573967458
39.8568475758	33.4186466119
21.2407013674	19.6074036291
19.977440848	6.9910005063
7.3913315925	8.9513805523
0.970514191	0.6016837085
4.1372447429	14.1441488635
0.3509364623	0.4641682818
0	0
6.5005196416	7.7849488258
3.811328747	3.3433534061
0.0184021901	0.0100173885
10.814571098	7.8848555941
33.2160692907	13.951265818
0.0102210554	0
2.0044332175	1.8152439678
43.6036575589	25.9894412604
25.5515094069	40.8301772471
0.1075661278	0.2501297013
0.0591462021	0.0262343789
0.6128391406	1.4428381371

gene_expression_table

4.6126233197	3.2525428453
1.4553834627	1.0035171157
2.191040797	1.6778825264
0.540316932	1.8833559175
1.7650012351	1.8571433785
0.0514968026	0.0662591612
3.703662713	0.8183076383
5.3023476652	4.491042702
0.2281510572	0.1200561011
0	0
0.00646	0.003517
36.9681171657	21.3261905873
8.365448065	5.3127698592
0.003408	0
4.8490036142	2.6275433687
0.0111076393	0.0110853194
13.6206874559	10.3998403622
0	0
0.3604042001	0.2388388906
1.8285763282	3.6515782271
4.2563702168	2.9249147529
35.7555885464	31.5567882481
103.2068505428	120.0474553689
1.6457347521	2.0426869273
7.730521958	4.1793521965
5.1070661182	6.6819342569
16.9298434467	11.6411420656
203.6016818138	1491.9222923286
2.4901894761	0.9838711457
0.4121345721	0.0934787318
0.0463847471	0.0504998624
13.1934300159	22.8211677573
0.3186387698	0
3.86969176	10.9612545079
594.9610143114	482.894592435
2.4260177073	0.7111048825
12.2262933669	14.9399386372
6.5945296056	11.7618021792
2.8642409554	1.6967480697
0.1705466982	0.0928385443
0.3179027257	0.3181943178
0.2144569348	0.3926758022
0.1006452284	0.1643612559
0.9335933383	0.8982306851
2.453275304	2.6943516599
7.8991786553	4.9734766512
2.1781206592	2.7841487473
5.494702384	2.4434239444
0.3076319505	0

gene_expression_table

2.0625949678	1.2073022547
0.1568571115	0.0853865015
0.5632295763	0.4792808916
0.0560038973	0
1.9434571113	2.0077103174
5.4141903829	4.8274095052
0.002003	0.003271
4.1866813082	4.8509398665
0.3495520569	0.7470315937
0.007689	0.020929043
9.5800894861	5.0670597642
0	0
1.9426375173	1.1094990053
0.0109989726	0.0359243051
0.2933996784	0.0760545752
1.875863819	1.1451382733
2.716779763	1.0698441076
2.8080479724	5.7218646275
1.0214106867	1.2162797202
2.8492704054	2.1058626083
52.0034472883	40.6344335395
0.2464145247	0.4389965684
20.8138072196	18.4920168518
21.0835774029	18.6388685433
0	0
0	0
5.1540290456	4.8683912336
3.592040973	4.9154276636
0	0.3719923293
0	0.0410343794
2.0916063972	2.6978489632
0.009577	0.0156403442
0	0.0122451882
0.0560210432	0.1829731854
9.1066615799	7.6046364563
0.7406547386	0.4326828004
0.8429215522	1.0955079786
12.1675538153	16.2658550346
63.4775353186	103.0012199154
1.1630009333	0
2.0135819727	1.3158620698
2.5252041559	1.8454401801
3.0002640165	0.5730593723
0.3081253079	0.496979643
0.7153293928	0.4218452693
0	0.0494982447
11.1837524114	19.7535218058
11.3337858701	12.0295124337
67.8837422407	30.2865932102

gene_expression_table

0.6862907757	1.0705811541
60.1157680388	35.0619955105
0.00257	0.001399
0.7286394307	0.440712295
4.4007306701	4.1607357587
0	0.0999597172
135.0166646738	72.9802120115
0.0782380442	0.1277686324
16.3812168875	3.3803971709
0.3500412433	0.0619280757
0.009395	0
2.1101733435	1.3923524727
0.217041577	0.1969140444
1.4816859851	2.1239633376
0	1.2160173877
0	0.074761022
66.2550663498	65.1005498821
28.7852069188	33.8966251226
0.0293215511	0
0.218400668	0.1387029693
32.2647374255	9.8527422299
63.5225529078	56.0180471238
4.7137036868	2.6609796421
0.1700161942	0.2776492799
0.2167913999	0.6721566749
1.5928743396	7.3534133388
0.1559812045	0.1713090319
0.008673	0.0216180142
5.6423514357	3.2829031689
3.9068672622	1.9488908394
28.2355934774	48.9481031116
2.3395384986	0.3793546225
0.1339572913	0.4132178086
2.4711765411	1.3553202785
5.5705223157	4.8927054234
4.9436719302	6.0998942637
0.8758657177	0.4015031123
6.9669075246	2.9604682775
5.2523223742	1.7154877884
2.1438443645	1.0211424093
0.4330172105	0.8014364329
0	0.009888
1.5568563102	3.1337345544
16.9788474373	11.2389771267
0.0118440807	0.006447
57.3371212145	83.6913462579
5.5562418967	5.8416052475
0	0.0787385468
0.9280514776	2.3816227643

gene_expression_table

1.4983942773	0.8898148984
5.008625284	4.5441462205
0.2088833071	0
0.229826391	0
1.2712301835	0.2988203203
0.4731010603	0.4807349534
0.4021961842	0.1946123648
19.2172642556	6.0652012697
1.9563673285	1.2424593753
2.5920710858	1.0261933969
20.7693567346	23.8528514216
9.5357122836	3.2833664507
206.8256375042	126.8286453219
29.2143221003	35.3141578741
7.540200518	9.0496044704
0.0867033554	0
12.4396327852	3.9574401474
15.1041512601	6.5957289545
4.4587060767	6.9240341144
6.7542439803	8.5219125677
0	0.6474256085
0.158145982	0.0573920727
22.7356885902	12.2382599085
0.5275175484	0.4494657284
0.0662184667	0
1.4039631454	0.6635429302
1.4123082259	1.0991020946
0.9929913073	0.7335944184
0.2603056308	0.171143651
0	0.003997
3.1720846047	1.9186124535
123.7072828542	165.4798621713
0.0322872685	0.0351516979
2.3501842203	2.9266010624
1.0273183577	0.9320491288
1.8804109237	1.5655328985
0.9315711688	0.6500701714
7.2206044372	3.5155653583
0	0.2961959264
3.3882656287	2.3889775355
12.1387284587	6.7359889028
0.7684791118	0.7361701373
17.3398353943	14.8272968738
17.4306788556	27.4377862536
1.3085037262	0.8247627727
0.8604759973	0.6809620486
0.7612205602	3.3903562922
4.0808330546	7.3082029817
5.3102614369	3.741176865

gene_expression_table

0	0
9.3621209278	11.2528897712
4.3987179966	5.2270254485
39.7030451333	45.8815115744
0.2724298969	0.4391947597
0.0117490604	0.006674
0.9133431541	0.6487094916
10.9872729597	5.1081104462
7.9268306482	42.9962676996
0	1.6565269404
0.8526298363	0
0	0
0.1562669268	0.0850652294
1.2402678153	0.5751280537
3.3743306452	2.1622296292
1.7852856783	1.2333775414
4.5807869001	5.9176246768
1.1535156143	2.0249983897
1.0109544409	0.6848447077
0.0729744221	0
0.0215784823	0.1644500227
0	0.0408228218
0.7728406185	0.5889833006
3.7767659515	1.2075632443
0.006893	0
6.1216072332	4.1719958838
0.0149010072	0
0.0126636322	0
18.9200508552	16.5177299655
62.4739038145	101.1079380868
41.3845701697	48.6096153446
0	0.0476690961
2.0166116678	0.715930237
9.7104712132	6.1215029943
0.002737	0.002979
0.0232197053	0.007584
9.3933460034	4.4567380552
65.5071256415	62.5684624778
2.5137528436	2.8425341529
0.2613734287	0.2354993327
0.165648683	0
0	0.1373878508
0.2533907843	0.1597147044
0.9459247859	1.0047262339
8.3436590161	8.7739626385
70.3140950563	104.5507599112
1.8565758197	1.0213943424
0.0564045063	0.0706198262
0.005948	0.0275221574

gene_expression_table

21.7477482792	23.9066999277
68.0991803682	94.8496539954
0.8371011991	0.3467154407
0.0106391209	0.005791
82.738354604	30.9719252182
6.8515272431	6.5697844732
0.1547158618	0.126331341
0	0
0	0.0511790001
5.9525352771	7.4602558743
8.153823446	10.5211332193
116.7565922458	87.1187835414
2.6533850624	3.350020055
0	0.2719583047
22.5633253612	44.5005795635
0	0.0140430107
5.6004500173	2.1665985852
0.5862874733	0.5813099629
6.89795593	6.852803685
39.5543315036	23.9670500922
6.0214339069	4.8074674444
9.5649565272	4.8813425252
3.3681774231	1.6219387693
1.3053910893	0.3045431707
0.0415603018	0.002514
0.1359477842	0.1850108288
8.695149856	4.5935509231
5.447862305	6.8652244114
1.5828224013	0.783293476
5.2527729478	5.8597390986
0.7802684717	0.0849491545
10.713959691	8.6703814374
18.6322736455	5.8757342365
0.3039380295	0.0693827818
4.7858249944	4.2284473062
33.5467244719	67.2040794187
0	0.1349220706
0.0816439216	0.0444435625
1.0168461309	5.1399105793
1.0521725472	1.5050422223
2.3651889735	3.9615714309
8.6928593871	4.9564760712
11.8102003992	5.4516037769
11.7279396759	11.2164461326
19.6303569655	25.8592423442
0.1132800622	1.2332992886
6.0943092114	8.2857668993
0	0
6.965476778	1.9500256135

gene_expression_table

6.103310101	3.5082566142
0	0.0293173725
21.785745133	37.5735923602
0.398369103	0.131254709
23.2692648242	32.2057589977
3.6546808896	2.3184218605
17.4403000138	10.8816367546
2.6167320603	2.6389034033
0	0.1302826378
43.9637937258	154.9979505246
0.0169944795	0
1.2895418046	0.6032580802
1.0815972837	1.7896941692
0.7292751984	1.594510375
0.2038760385	0.1577107714
12.7287623185	7.4470667428
99.3638389959	100.6721092344
28.5042533232	35.1762228942
2.4305982512	0.2646233622
10.0046723724	7.5617398404
5.7009674666	5.7685328149
26.6467281562	17.2021787704
8.9169557233	3.8862408051
20.2878113434	8.8350739943
0.0277508366	0.1812768443
1.6999072205	1.2800119256
0.009291	0.003034
0.7570259624	0.4224824273
14.5786245565	7.4733614901
25.6535771697	8.9177025483
0.7602597704	2.2466352729
0	0.1305102403
0.007501	0
161.3568526779	203.8330995626
13.8316220996	10.36299151
35.0403602796	38.5623169414
21.0857907139	36.3071957843
97.1237796526	107.353940747
6.7687922577	8.329284493
24.0981559439	27.4826688901
17.318029844	14.4344061915
9.2846095505	23.7063988563
29.8147041639	17.8955865364
13.6984641881	9.5784968249
7.3576588671	6.6753402054
28.6979031867	28.1558355192
3.2968152236	2.724021381
1.1291200578	0.9749558792
0.9117850304	1.7768897853

gene_expression_table

11.1246260323	5.4364430902
12.5369129418	15.7059793875
28.9175774029	16.1539707828
1.3409808275	1.0473544419
0.1838699229	0.3196459463
0.0144627754	0
0.0258394886	0
0.002865	0.006238
27.721931891	36.5766405442
11.3576688515	3.1455554888
15.5751834082	11.7573197383
0.1684897778	0.1834376844
4.764994908	4.3604981633
4.9613164134	6.720432974
0.127505707	0
3.7728508925	2.7072599914
7.1904894701	6.0773168014
0	0.1579635362
139.5852849639	84.0270223708
2.5853495162	1.516666257
22.5656409162	13.9280863474
27.0226542922	9.7206508603
4.0427189387	4.4134024312
2.9442746841	3.479747714
25.5454722308	20.2956147223
0.2127336582	0.4053118107
2.9517211425	2.010788527
0.5979054076	0.7606468704
1.6820866794	1.8313163537
2.215918749	1.7634579167
171.0219340311	79.9571045435
29.1487844971	18.9298205329
0.001186	0.003229
0.025690432	0.009323
2.4623797559	4.4353076489
0	0
0	0.0182257499
5.7290564425	6.4365169937
4.2924868412	4.4087767657
3.8703304593	2.0037462355
0.0880890347	0.0799200242
5.9285860091	12.140705592
23.8973523485	14.387816519
108.4962975641	39.3021755076
0	0.0188733288
4.3707855813	3.7837069993
10.8350355069	3.6594321884
7.2404419965	5.2424806506
4059.0257097875	4375.3827057242

gene_expression_table

2.2120112082	4.0440494954
198.6454873244	112.6932779197
17.8270160465	9.576809336
12.9671767456	10.8016608256
1.7008948695	3.1827694762
23.7050349081	21.9218585063
0.003352	0.007299
16.1860912348	15.3093097204
0.0889363842	0.003026
0.7226272102	0.3933682621
0.0355064215	0.0115969333
0.8059967571	0.4226993108
0.001402	0.009157
33.4414543924	35.8256436544
0	0
34.3515707783	28.4911472706
4.5181616756	3.6420379463
0.2890486152	0.9440764187
0.0369009756	0.0937410117
0.0669953497	0
446.514148786	115.1531401183
0.0579263478	0.0788317491
1.0497575342	1.5462614087
5.607266548	5.1440841595
1.5474999529	4.5910513803
0.7357999375	2.1322808711
0.4711990215	0.9111534851
57.0963735236	84.1919971319
0.0653831232	0
26.3459917437	12.6754129971
2.1247064343	1.8693419802
1.5320395499	2.7146514677
0.003238	0.0370143501
0.005415	0.0176873891
0.1041624807	0.0850525972
0.7082420817	0.7652630659
27.5560421148	17.7956667511
7.0478942201	2.7071203128
0.005297	0.0115335716
0	0
17.6390085658	9.3810405696
0.3484386071	0.3034808264
0	0
2047.5357146889	1555.588666482
4.9034273945	1.1386193315
1.7549681952	1.9229115427
1.6397510836	1.9591104104
44.7985219891	27.5085975423
204.0293647664	45.6160307606

gene_expression_table

0.1260251521	0.0316628596
0.3767969581	0.0369202727
0	0.003078
10.7811098972	6.2820837656
0.5201650206	0.3236071415
0	0
0.2109906032	0.0220874092
2.3798207997	1.274912568
1.3921741363	1.3230829575
0.008221	0.013425475
4.0110616125	3.0687474169
488.959686873	170.9564728989
14.0457580309	10.5642207605
0.7988953819	0.4348854895
3.2658958404	3.7276832208
1.1076767455	2.0501090448
4.4251997987	4.6855947604
0.736657484	0.4164290594
219.5134999555	93.5092554492
0.1636009876	0.0890575877
0	0
0.0190206309	0.0207080841
0.1090549332	0.1689618649
6.1926274131	5.1656474241
17.5893934608	18.1278962219
0.005614	0.005094
0	0.007893
1.7999963211	2.1659693827
10.9173055939	11.9298778209
6.5096342138	4.8584860632
6.9564349891	6.0475673295
0.043344534	0
5.2803072293	7.0422312639
0.0188207957	0.0170754335
0.2356692167	0.0427628469
2.0274717829	3.2496993952
25.3386451908	4.8801871779
0.3608860443	0.3536124925
0.0111537588	0
0	0
0.7943216493	1.7656159353
9.6904618867	11.8508764949
0.2494180775	0.3711124561
19.4122733948	7.0241039101
0	0.0508303956
1.2137469555	0.760653321
1.4801307038	1.9833150166
7.6499865261	8.8078302411
2.9233745823	2.5183718296

gene_expression_table

2.6386549075	2.0863536155
12.2178828208	0.9053592492
1.4434070835	1.5051953591
32.3913202318	28.6060346397
0.9829305267	0.6019499074
903.8184616247	1061.804693102
4.546540373	1.9077723277
32.4763885115	30.0058779075
0.8678539941	1.5689984062
51.0410351555	30.4595381357
0.0273206413	0
0.0125479454	0.020491742
2160.6795638821	2875.6746403131
0	0.0393787473
17.7813391945	24.4106566141
7.04743677	0.8480313038
1.0959638452	0.6182916765
0.2412365919	0.4640686581
0.2779702565	0.4302622526
480.4927849474	481.5770433373
0	0.0197251772
3.3013272383	6.4562680295
263.3464888203	126.1320488357
0.4882867283	0.2726184919
2.3924474386	2.4527574568
4.7523697265	3.0219739395
379.6691925915	448.5160518972
212.8716876688	126.883823938
192.0832302268	82.4188215713
0.0226674829	0.0215936646
0.4080259123	0.2142731122
5.5315278085	2.5809721411
3.1541995167	4.7012664477
38.0933856642	26.0411335165
0.0870260726	0.1894935284
3.648989404	1.1180049943
42.0869191926	25.1318923282
7.1170128893	2.9826987084
0.0234819773	0.0766956834
0.4578127308	2.3924568012
40.2635521799	9.5011462766
24.0521714761	12.4951498572
1.1829831549	0.3219834662
0.0120036647	0
0.008665	0.0117926003
0.0152637452	0.009496
0	0
0.0285335255	0.006213
82.1191964662	110.4230351143

gene_expression_table

9.3828678991	10.9430608267
0	0.1009507693
3.4286893808	2.0137864247
94.5646930764	59.695712495
0.0181057841	0.009856
5.4013615405	4.944021411
0.0008663	0.003301
0	0.0153528377
12.0277122517	11.1083727323
28.9333505315	15.1201106037
130.0771936809	122.4947653339
0.004646	0
16.1687884086	21.5537956435
0.006735	0.003666
0	0.002648
0	0
14.758773822	16.4909733447
3.8649601484	4.4715395909
18.9950728306	12.4758738895
0.2939468311	1.7381745133
0.008447	0.002299
37.2763901784	18.7432627628
1.3716967744	1.1346832663
3.6020243417	6.3549576962
0.3268089947	0.759045347
22.9415122721	26.2882927774
1.0588999751	0.8925231469
15.6033287937	9.5087875534
0.3267599385	0.1660162458
20.6889297033	12.5379901716
8.865281253	8.3153817246
2.13316059	2.2773128812
2.2320511	1.3603120237
0.0371566125	0
9.5336253641	8.0038484831
0	0.002137
14.569405749	11.0913159664
42.6545358647	16.2535513272
24.913632075	23.2372389958
36.3504267429	21.7686940735
404.2325495322	335.0172030638
0.207187448	0.1031170266
38.7162568665	39.5767534208
5.4662962036	2.5687017386
3.3669197301	3.099760423
6.6369086107	0.9917648305
72.1560641488	69.5917278487
0.0792138845	0
19.4382945331	14.2616068222

gene_expression_table

0.929283706	1.7149649247
3.0155958053	2.2114078975
0	0
0.0350812521	0.004774
0.009179	0.009994
1.1615829234	0.643608919
5.5722871314	2.2847385645
0.2905610768	0.2714528739
8.8898557431	6.3090996231
0.0776452734	0
38.2427280189	111.4166949812
8.1858467138	7.2221860367
0.24597252	0.1728491531
0.0342748084	0.0373155664
0.319660634	0.0580033274
0.3800566974	0.5015444669
35.3949125589	26.5050675186
3.1586131175	3.7574200205
12.7158813016	20.280090302
3.5052091667	1.9873582443
0	0.0531253306
2.1322699786	2.080801638
1.524194221	1.2969804934
0.3311861305	0.126198789
4.2352346152	3.0125016414
8.7987496223	6.5542909024
0.7206474096	0
23.1407067473	18.3654868616
1.8342229435	3.4708887467
155.9726227391	130.4211170468
0	0
0	0.287955852
3.3779922013	2.0551727295
0.443241798	0.8444885366
25.1856340132	5.1496149698
9.2639627122	11.0695416284
2.3845182723	0.7716651585
60.5668547358	127.7960629809
8.3274811774	7.7586351411
76.7058591586	45.3962915496
250.6445279869	211.9717357902
49.7282565719	9.4982452674
4.7975755293	1.20535431
63.4079407086	30.1888754576
2.4940794196	2.0688355422
3.5755247973	0.9731836526
8.258866797	2.9503584584
50.5784751731	16.9061192215
4.3354925634	3.5937311018

gene_expression_table

4.5223097085	1.7278752274
2.4836045918	1.2290647846
490.3535634793	728.8076004385
1.4841010833	0.5385886902
34.8872213976	5.5347629607
189.304214695	177.429651625
619.9764641941	524.2688490681
18.4914568758	11.8961601609
164.4174140899	99.9811392809
0.4836893313	0.0658250994
43.4544529058	13.5968539326
1.3483713129	0.8647092439
21.3700777445	5.6313772259
0	27.6001142781
26.4230115261	16.5869292003
13.6453947377	15.6916216336
0	0
4.8546968951	0
26.1676943752	10.3597140242
321.0194898702	67.5169245435
2.8084570266	0.7938038663
5.1403507867	7.7924379541
44.8370675228	27.7299172577
82.4671549064	101.9006889865
8.3721530492	3.1719870455
23.1836355526	13.0112577371
0	0.0727663816
47.2738058777	36.291394504
3.8798808536	1.8984684139
82.8881874406	30.0199464067
110.8535960325	61.4810147056
17.3558748186	2.7787699802
29.6028830665	28.9078360314
43.4709858976	29.2789396658
0	0.04011235
3.5177646718	4.1104857535
1.1807808758	0.4915285493
5156.7669241441	6135.1110454026
1.5606052817	2.5081324874
4.6032312294	4.5104544611
141.4985804454	60.4125134091
3.2774524751	5.5781639067
5.1246662023	7.3925873192
0	0.8062561177
134.9955317273	47.5028579206
1.1964353173	0.3907738387
23.1941086587	18.7063767673
0	0.7856573246
14.5370992804	7.6963178842

gene_expression_table

0.7995779995	1.1005463945
2.2659265283	0
1.3237026197	1.0465897966
0.008256	0
2.2292461711	2.0353565251
2.6357264418	4.0874548925
22.3435125961	12.9937962428
0.0991605964	0.3257348213
0.002162	0.001177
7.0590085072	10.1829728447
3.6473297674	3.1568733716
6.7362166136	9.1144036579
3.222237128	1.9722596062
0.2499890803	0.6243839437
0.2231669793	0.3170405863
0.0958034314	0
0.7841004717	0.6473614942
0.0524368412	0.0285444401
0	0
0.4471565718	1.1011562164
2.0782800598	4.0949960237
1.2522856985	1.2849165362
0.1112557067	0.3028149464
44.6515743096	35.7810889685
3.7309716804	7.6909114669
0.009292	0.0202331272
1.1544340938	0.8828189015
109.1160551675	70.967097358
0.0187670964	0.0122093998
0.1094365853	0.3931800515
0	0.003236
0.053949446	0.0629310844
6.5675489139	11.7393318329
19.2708797435	16.3940918954
0.0289612115	0.0885281195
0.2052583575	0.2147778296
0.7490694672	0.7712358665
0.004822	0.002625
0.001048	0
0.2939556877	0.0753022477
324.8148070084	238.1811490758
6.0417124914	5.899244454
74.8481740737	105.0945052364
1.4590317927	1.4807119965
3409.2992837266	5146.6430419897
0.4550112301	0.6068386121
0.0262892699	0.0143107875
0.1423442774	0.1875984515
0.6419186751	1.0432128128

gene_expression_table

2.9962842603	3.9756911924
58.9029621135	113.4583911453
3.9536845062	4.1597563349
53.0081956157	38.8866694774
3.9387747983	2.858807373
2.966119727	2.3176017185
3.292128607	2.2336296167
0.5035836245	0.8368179711
0.0837828649	0.5929028878
0.1388162902	0.1651253259
0.4815309922	0
3.3889235088	5.9117111919
3.3200222025	4.8078897459
0.7110790936	0.5644945056
17.4994777672	16.6349367446
28.6865983441	14.1590964016
0.846320156	0.2764209409
2.3164504863	2.1854275029
112.0475628277	25.3947100739
10.5018366804	7.6552070089
16.7784078216	25.3314992857
0.1257043271	0.2737128744
63.688556032	39.1894771358
33.5393856938	81.1257112291
4.0654056252	3.177695728
0.1623680892	1.3257967352
23.473581731	5.4513838196
9.100791163	14.668109622
1.4138069598	1.0621626217
12.0606876763	11.8970160456
14.6832926681	18.2451732492
0.1174954024	0.1421324903
12.5149593075	18.2207470236
3.4774897844	2.7281486626
3.376124926	2.546696603
1.3581234714	0.2938267642
5.2659920821	10.8930326355
169.2216372713	137.1210767061
49.7503828541	38.489328691
0.4476070867	1.1208301167
73.8704211024	44.0856236137
10.4952141446	14.4257264719
7.903539917	18.7417835255
0	0
5.5551489863	3.6287910642
0.0304960789	0.1361265573
0	0.0852932524
1.3928011711	9.0981978275
124.9954828695	73.7440344904

gene_expression_table

28.2660796548	44.6775690888
3.2210460482	3.8162317695
404.2452679668	433.744868752
1.5485375244	3.652824758
0.2334603383	0.3271290838
0.5837341534	0.6897731106
4.0662617121	0.8300640429
11.2777230176	7.7039991879
0.2282248785	0.4192970126
1.2730129679	0
45.0639478844	16.5317224194
13.820701752	13.4071139033
0.9133205017	1.9176702778
11.2540134273	9.8509582802
19.7459541872	27.4829265656
1.3582639574	2.2643589875
0.2638277879	0.5744675924
2.1121833316	6.0414138726
0.4699174712	1.1511160578
126.6004073427	98.2945445284
0.3180367923	1.226309381
1.5622765969	1.8055464396
23.1350508157	13.9953927555
150.2284962555	143.9219968179
1.2938415387	2.7806668207
0.5435390266	0.9104002696
3.6937803154	2.0544524556
0.1401642073	0.3334574117
0.9284375466	1.7087430284
30.8328591369	28.112468658
4.1609609852	5.8094452571
11.3133894408	10.7048961862
2.8145754254	7.2905670065
498.3190741489	241.4549670958
0.124275452	0.1392802318
4.4006660864	3.0049317257
75.6981222094	41.1004382219
10.5659734926	6.2039606928
1.7580751987	0.991202572
0.3431296205	0.2988568393
62.5817798775	17.081174599
0	0
0	0.0775603209
0	0.0504931843
0.513948106	0.6104116769
0.1195528996	0.1084660612
8.1403885338	0.369274139
0	0.00438
3.9887980968	4.1255386609

gene_expression_table

3.1921881614	3.8229284502
0.2854694451	0.0258996197
0	0.1327979294
0	1.6710260821
0.0204920773	0.0446201457
13.480668913	5.4508372956
0.3517031912	0.1641022462
0.0488461104	0
5.9145132744	2.8468179665
0.2838396759	0.1695847383
13.5795717346	11.5317622072
4.5429694785	1.6752607998
1.8698540918	3.1310595935
3.8521812292	5.4181108401
0.0123152986	0
17.9397028241	14.8669848082
3.5213384663	2.7767750456
1.8200176753	3.6962300917
0	0.001872
0.9035796318	0.6580439701
2.9460472455	2.4442689178
1.0162708568	1.6504267675
0.1264499276	0.060735964
61.4252471188	44.4588378405
0.0133796455	0.0236708021
0.0599444632	0.0652625558
14.1503750585	2.8233652385
0.2327436147	0.3197564814
81.4477897179	37.0684691256
7.3508666595	3.1963987672
2.3513319942	2.1883316188
5.8410704858	6.5153284743
0.0423767362	0.0485644977
106.358665512	50.207269175
2.6083203378	3.3885034412
0.0963486608	0.2467008499
0.6794000508	1.0140697161
1.5556377122	1.6300465076
4.1966613604	2.2304175428
41.2649703899	22.0813275203
1.3837768324	1.824096639
1.8043276052	1.5455222617
2.1711622328	2.5738951063
27.1037802321	26.0095671626
0.3354327563	0.7888132992
0.1067024279	0.2516989509
1.0703983263	2.0240477894
590.44401328	560.0265627384
7.2987421451	6.6464126831

gene_expression_table

0.0550792161	0.173900468
0	0
2.3566065691	2.3258676627
5.7537455299	4.5771679904
3.3385199529	2.6602935584
0.1068357544	0.0290784753
12.6630899781	7.5285841898
2.7420544886	2.908114735
4.8365940007	1.0126311698
11.7354601505	8.718210855
0	0
3.4062255259	2.7469745306
6.9889084194	6.1251994108
0.0212885745	0.1274747807
3.8268175529	2.8747616996
0.1430371095	0.1946586649
70.6650445922	75.478722394
3.5077151866	4.8065580487
2.8741901785	2.4324156806
10.1108287276	10.6649448095
0.987129596	1.2177410127
10.9687403337	15.5887675059
0.009247	0.005034
6.5243706977	7.8773462488
12.6811518195	8.7745369566
11.1783675815	4.7868976432
1.2529515934	0.7492718457
0.1472973846	0.2138202211
0	0
0.319339925	0
0.4698622466	0.4038529048
0.1658895442	0.3511798227
2.223160673	1.2958740243
0.2536970807	0.1898904722
0.899289644	0.7536277265
19.2992338944	12.8736538284
4.6794848179	1.6088319933
0	0.0125954432
28.3321213361	8.8015108796
27.6691571487	26.5048110826
1.849615723	1.3739941807
2.5592721519	6.191829077
0.3451136133	1.0404860004
0.5648849097	0.8456247263
0	0
83.2860443103	103.8744472168
6.2452669013	2.1297506647
0.0283406119	0.0462823588
0.3144001875	0.2757358885

gene_expression_table

0.235759205	0.201673256
0.8106114488	1.1147702653
1.0300500095	0.4222679627
0	0.0218376829
0.166993924	0.0272713684
8.3970859523	8.3889694166
2.2993800597	3.490816172
0.270975026	0.3365016164
5.155743203	4.5149211738
0.9205887079	1.1454406526
0.5857598109	0.4782949955
0.8710466921	0.3879504558
0	1.7239215099
0.9132119101	0.8920824774
0.062774664	0.3588051783
3.1939172119	1.7897723255
0.8088206556	0.6107226145
15.2885418313	5.6459484888
5.6211996659	2.3206315547
159.346793867	203.1731152558
22.2724723316	14.4015655664
7.901354237	3.8420557389
2.978876977	2.4044072675
3.6911518648	3.5339621037
0.1549050701	0.0666430753
3.6031253785	1.7572651555
0.0825853186	0.0449560199
55.8430978029	26.1049390387
38.5533356053	28.5338260536
244.4734928036	144.1484116234
0.0233607589	0.0254332552
2.1072343664	1.7796778442
2.7472300351	4.1185368926
0.7204663522	0.9818907143
6.3869098552	3.0154498324
10.211669598	4.4610610969
0.3953364089	0.2109850328
0.1020410453	0
0.0248493238	0.003865
30.2138345382	10.3702961332
2.8457989161	3.9212475158
0	0.1128856559
8.3112908799	14.0195723118
0.0808247276	0.1489150461
25.3467731883	16.1314365767
68.7892289691	61.258526112
2.8509354167	7.9638560309
0.007146	0.1050228743
5.0247630023	7.3048906427

gene_expression_table

0.7825408194	0.4675420365
1.3012814704	0.5620075046
1.6038799055	0.8730856549
7.4341153464	7.3680103335
0	0
29.6136790048	26.672455572
3.025268649	10.4691379907
4.1888648614	3.2232023004
32.0411128577	41.3280831504
1.896130824	2.2659465166
2.5292676162	2.9503463965
0	0.0153766117
0.7954042471	0.4717073018
7.5313949753	6.1473572385
0.1227277753	0.1336158147
269.9869091622	188.935490724
0.6826939881	0.0929075683
0.3774591129	0.0613750745
0	0
0.0633791876	0.0379510993
3.8760075502	5.2540679209
0.0209866601	0
3.8883627622	3.5609747442
1.0820364756	0.0883523625
93.742306767	44.4939584841
0.0670919292	0.4121775539
4.0059402483	2.6998741877
0.1483654382	0.1955338632
7.4498596289	7.6118912998
2.3162809919	2.1219809644
1.1386086836	1.4001955024
2.8299583422	1.1236674817
0.3702632914	0.6779609862
0.3508905179	0
0	0.0379980223
3.3515433565	6.0380312748
1.6624813479	0.6914498614
7.9832268373	6.5852584586
17.2864688578	30.899622442
9.2592677823	7.7263429935
0	0.4632353523
0.9699336425	2.1119664797
4.1209263446	8.2076971235
1.4637523901	3.3465854152
6.7916474443	5.4122363031
987.4899215272	650.1420530891
0.2210273028	0
0.027504368	0.0262014138
0.4259602744	0.6384506035

gene_expression_table

0.0864343354	0.2750689333
0.6087042048	0
0	1.9818138049
6.6800728905	4.1689518067
0.1322403882	0.143972358
207.430726731	186.9797547099
3.0430987799	1.9258922359
0.4895064753	0.1065868037
0.0161355261	0.004392
0	0.0368665045
0.2402315779	0.2979983711
2.7808681381	2.4547932979
7.9007675752	5.6341134521
0.005187	0
1.292480613	1.392175974
1.3433217981	0.6656884127
16.1154421542	12.5860598444
6.9901380133	5.7781771099
12.3803170285	7.8151505461
0.4714440318	0.2566345646
0.2141291961	0.4382770582
2.4965082531	2.5063441243
27.9828192503	38.8110650813
0.5509742495	0.4781453129
21.8713969063	16.7340720218
0.0433084545	0.0314337669
0.4353448495	0.173101114
19.4628017952	20.7707185826
0.0260251612	0
8.8544816844	7.196074765
2.7884654617	1.9363272355
11.7457873782	12.1440061914
0	0.0206970464
17.1195943876	18.6838528404
1.0553300533	1.13869723
10.3757920227	11.8393925032
0.1556082553	0.3388267039
0.9474846103	1.3720839031
1.7856213138	2.1967609847
0	0
0.5752821693	1.0830541074
2.5871623158	2.2586645689
13.7235850423	22.5867885868
30.965908543	27.4230756664
0.0803563003	0.0656139523
0.5425649261	0.8251758546
0.752846793	0.4249970136
0	0.2520326467
3015.4796328647	1800.1533640638

gene_expression_table

44.1313471944	18.3017002192
0.6867569959	0.7476840123
0.5654667958	0.6412846982
12.1792353502	9.601425643
11.0942927017	9.7819202494
1088.986388473	1191.6407015662
1.4882404409	1.6091749016
1.637634724	0.7195358759
2.1756320405	2.701819982
3.0361908199	3.318266207
4.8386537164	4.9323879361
4.0476753449	2.4305397117
0.0921159718	0.1132885492
0.0497512294	0.1997334704
0.3360566037	0.2090688774
1129.9575006781	1549.410924264
0.6270474807	1.1451360297
6.498249955	2.48782599
2.1170975694	2.9878593919
2.4738096961	1.2146158648
0	0.0368632419
28.0463140408	18.97289241
0.5461906306	2.2370054622
17.4730864456	7.9464192801
38.302530474	28.7183486513
8.8115375885	2.7656275944
0.3633456599	1.2432532977
3.8340260221	2.3546595976
12.0514069913	9.8091892409
1.80536071	1.2413854015
31.9678340571	11.3197229218
2.7388642038	1.0751855782
11.0606593219	12.1360053321
5.0225398263	0.976450797
18.2805153706	9.8774416229
34.339553074	13.9879797644
5.9033696565	8.2954415627
0.68934631	1.2471594679
15.0164935221	47.7688919739
3.4785493211	11.108990233
20.0114824953	6.0279797435
14.5286299197	7.6122037803
3.5148499217	0.8473355864
25.8232568723	24.0741832532
2.9189908468	11.5794450149
3.375037762	3.1034298714
26.1287857912	58.0358443676
1.3620758481	1.3205006098
22.2239484791	8.1721841006

gene_expression_table

768.1917958772	504.5803419907
3.3122244162	1.4610821164
54.6986810579	21.3684376558
2.0441003018	2.0243521519
3.2163226762	3.452345929
129.2108162451	53.4561243651
5.931267427	3.3545307248
1.2300831011	3.8213732466
4.7437456602	2.3113163423
0	0.0270839452
26.7332723266	4.417718341
6.9252706928	6.5851505204
4.7587542687	2.9804312951
4.0925655359	1.8565190204
3.7194206956	0.7976084055
2.4333899904	5.2985460723
5.6486558364	3.4064999962
112.5911856896	23.2479191361
0.6798023592	0.9251404764
52.9827290585	24.7538131123
0.0184476842	0.0200843072
0.8043103797	0.627560905
25.0268785251	11.4797797003
41.7257483297	13.3220063713
287.0442378975	157.3991711034
6.4821320138	8.9202113028
10.5366036772	10.8046785803
2.4823929551	7.3792217252
1.6417672226	1.1857141751
0.006249	0.006803
1.9901629601	6.0749277644
5.7989155689	4.2868615561
0.1715081316	0.2178444538
20.6932916696	8.79562249
1.997801559	2.191518088
1.2433030641	0.5076019406
1.6946457334	2.5016808261
0.0394401626	0
1.3210878459	1.82148505
7.6309530337	6.7472065268
2.5364831509	3.1455095861
0	0.0273883029
10.8309066558	7.4272976462
0	0.0910852719
1.8169428562	1.9956732368
2.1159906194	0.7635616284
1.0357127511	1.0107129071
2.5396266032	2.1758833487
11.1923191155	8.5626207751

gene_expression_table

0.0322196396	0.0210468415
2.7728451493	1.4946235651
18.4920189993	13.1229457998
0.0137321711	0.0523265682
5.5260649215	3.8198862168
1.892698456	2.0499912577
14.4802766356	14.7564621065
0.8514223896	0
31.012144248	12.4110699913
1.5306713482	3.5412443076
132.0916325645	37.5655255187
12.0352884638	5.1307018089
5552.5882908613	8016.457202062
35.7383229356	29.3652222838
18.8980854996	2.6028192993
89.13999241	75.1117160385
0.2835588783	1.0805037939
32.0463545555	14.0881360717
0.0764381182	0.1525690436
2.6247732501	1.0054642523
0.3915687451	1.0657688679
0	0.0132102636
0	0
1.0590794494	0.9666631513
17.118792686	23.9261416943
36.5959788098	26.0038215674
10.3532918563	2.5544740153
0.005182	0.002821
12.310199542	8.8892961618
1.4034840614	2.9031942026
6.2204531469	5.4420372747
132.9498333092	114.3043366703
0	0.0326145544
0.022788257	0
1.4869058751	1.3124002528
28.4773923919	13.4860574004
2.5370322669	1.2068098059
251.243968432	91.5326370413
5.3559428518	3.887404002
0.3554544655	0
2.529899408	1.1162343416
0	0.043817932
0	0.0178258385
84.7439140018	14.6780676212
2.0553937016	2.6499576941
3.4146700787	1.4173385626
38.9054964839	29.4916084279
24.0918838301	11.5512892896
7.0161724326	1.9860428021

gene_expression_table

6.555643102	4.9084629248
6.1054499155	1.8402225978
2.2073508878	3.2318633286
36.4506550343	23.2826093708
20.7016306167	19.6148499946
0.2195170494	0.4779838845
0	1.6501938088
168.9345056491	98.5706257109
4.6130533935	3.013385775
19.0402038488	6.9557101127
84.5305179629	76.0916876703
1.2476523396	0.6112531373
188.3546731719	134.4043314988
1.6190459421	1.3539447837
136.4250939041	52.4993522504
6.0852817698	8.281437097
53.3158898151	16.8994436965
0.3167204148	0
0.3395738174	0.2904784031
0.8266707664	1.6875197102
29.5878857704	2.3622744979
30.7808441435	23.5258399403
0	1.0581434474
121.5258855342	16.3350709704
25.1716508835	18.8103980738
10.2735670305	8.4657163207
98.4132605463	64.8099190519
0	3.1273083677
0.0761210547	0.1657485717
510.3112476203	127.888046864
17.583955265	8.2495314833
179.7499216358	101.8947594903
2.7657705621	1.3382850725
3.9076888319	0
0.6273972677	4.439877439
0	0.296349184
1576.7141486503	484.8095978338
0.5529603038	1.3545388797
55.7523385282	29.5018652117
84.801068671	26.7693067441
58.6086233603	7.2112011666
0.6871506722	0.7284254403
3.6241405261	1.1940823388
8.5685392711	3.7897901926
0.1971721182	0.1578416441
1440.4906632646	303.9886900591
14.6635873041	6.5525919269
86.6045546394	13.6254119097
13.2045794255	12.3728299374

gene_expression_table

1.0708487297	1.4217054352
1.2804728159	2.2343354012
4.1631708238	3.9421452477
0.0177247757	0.1061349549
4.9582239225	6.4154021256
28.4537909771	20.8926780344
12.2571210496	2.9654524416
61.1896224595	68.174371976
1.7010113248	5.0624204829
0.0807660692	0.0378309478
0.5648596374	0.956623557
6.4041378603	8.6244960259
8.6592615122	7.0461480825
49.9672669757	89.4951345194
0	0
0.1390852597	0.0189280607
0.1428550388	0
10.6105901871	9.8893386718
4.4757610485	1.5898663471
2.118091333	2.2842472935
51.9236538843	53.8517960119
4.8177883402	1.179155296
1.3145242604	2.0751601073
1.3043850918	3.818934285
0.020360029	0.0664989287
36.5815749742	35.6632523779
4.4060083596	2.6330788803
0.5888589987	0.6227836334
1.1484166532	1.4088533552
2.5547150925	0.7571484728
31.7812166061	27.5061429275
0.8230047629	0.7601711886
0	0.0192318656
2.3085158548	2.2093108791
0.1947386707	0.1476535127
0.5065696765	1.3787775388
0	0
1.3759996312	2.1885927511
2.1530064794	1.9952030252
3.409514626	5.1778133213
4.1231942171	3.4803890684
16.5245898533	3.3639451706
16.3901147836	10.2011769666
0.3398681552	0.3499872937
0.005179	0.0140966529
7.1070419228	8.4873206265
4.9892876128	2.6119455749
5.6057882669	9.5649690052
20.8922619491	8.0519250526

gene_expression_table

0	0.0126869096
3.2168910197	2.0047556242
0.024495303	0.0475031813
4.6749969895	3.8027885151
0.0558789749	0.0912545844
18.923700544	9.9772303892
1.4422544405	0.6056512404
7.1221565658	4.3527748593
0.316387075	0.0861139963
15.4596076111	5.745244061
2.6408197069	2.8751052936
0.7792248928	1.2169032136
2.1233872217	2.3714262763
4.2019596023	3.2577728322
4.2934861841	1.9863639367
0.4351236982	0.1666815691
15.9036341057	53.1888951335
4.6436231171	2.7367044369
1.85247026	1.7962266195
0	0
0.0103333846	0
0.1376184809	0.2318087069
0.4612325387	0.6728832823
7.2643068178	12.4023960363
0.0133283605	0.0133015782
0.0861848966	0.0938309616
0.4152901965	0.5583576287
3.111055106	3.2596384401
460.6978934198	522.9656603118
6.1304892527	7.3948961781
542.9667274262	634.8899439501
2.7981422793	3.2923171784
2.7629802429	2.1158694428
0.009521	0.036281124
8.2136845725	8.5319789901
4.055811955	3.6796928341
0.0160331025	0.009399
1.1944982484	0.7027387404
0.0990640589	0.0693338943
0.039307551	0.0356623323
2.4850754632	2.5640775416
1.8539065107	0.8815910564
3.7402010946	4.3471570135
0.6417733179	0.7551708928
26.4613627725	19.9150736302
2.262272463	3.5747337882
2.3893927828	2.0724267811
18.1051680797	10.9089832251
0.1297591943	0

gene_expression_table

0.0674798113	0.045210103
0.588527479	0.570303925
15.6162125048	14.2922370475
50.6266385886	22.8256178419
0.6395699377	0.6410154019
0.7012210092	0.5123025356
12.8264959045	10.0242546214
9.9112662106	9.3490764064
2.2301065476	2.2449432217
0.0647259504	0.0921507782
1.1332721677	2.4305181882
29.0574321283	14.1513722276
3.1635489032	1.5519566547
0.2818355808	0.2307850291
21.9861519678	15.7769080625
0.2473040883	0.0800455622
0.1033764878	0.0337643217
0.008945	0.006492
1.1468346426	0.6291286335
1.979232278	0.864589803
2.2355138041	1.7374535888
0	0
1.6463752882	1.8598215956
3.6905108444	8.1415785337
7.8899756303	7.643208691
7.5573530408	5.577314906
1.1630821037	1.1856866087
15.6521450648	12.8351850551
0.0197463585	0.0429963921
9.7212973581	14.5923643397
0.0436050072	0.0237367562
235.7888064703	206.999328182
1.9157778915	3.9629059005
0.1637325269	0.1782583846
8.6946691067	6.0759491694
0.6547263335	8.5537402309
87.581455438	60.2620967553
0.0584898806	0.0795986588
2.0244664728	1.5020336066
0.468452902	0.4707808943
3.4701042983	3.5342220684
0	0
1.2457849141	0.6781536036
22.4619049416	5.3997934145
98.9863082135	51.2691759083
0	0
0.043951268	0.0296217334
0.1257268588	0.2053214517
0.4739691411	0.4045058384

gene_expression_table

0.4829677384	0
0.0266726014	0
1.3555916297	0.9752730283
0.7163884299	0.4322351184
0	0
0	0.004986
8.3905605594	4.601306069
1.2369593082	1.7843756716
1.8344037799	0.4992866424
0	0
0.1078275426	0
0.1896508919	0.4335999128
0.7481740175	0.5414904704
3.6636829237	1.7936669247
2.584417839	2.3056705232
3.8319878562	2.5398274844
0.2742775535	0.1816847831
0.008049	0.002629
45.8233562095	21.3211340664
189.0532806433	113.2465031391
1.397110643	2.7934817027
15.8910614689	8.1164569106
3.4997982094	1.0086061201
47.7976248948	29.8405902318
0.244479025	0.1007123938
0.0144200595	0
1.6851068128	0.9655812759
5.9696815439	4.4980164498
111.3152064554	99.6287859209
0.005376	0.0117068743
0	0
0.003526	0.001919
130.8118249012	42.9096747867
3.0807375318	0.3194334577
10.7218837914	7.5980294148
0.4091700556	0.6569074275
0.0101391065	0
0.2027498915	1.9452470369
7.2697300217	4.6706794421
1.3164671349	2.224539179
0.0762976953	0.004615
0.1045890791	0.0341603724
107.7260886096	80.1737063246
1.0063323502	1.4189062195
1.9798141226	3.1744007226
1.6812025433	0.6382154627
0.6667919279	1.0481379765
24.1346167028	18.6937451341
0.3076178166	0.108845342

gene_expression_table

9.3868138827	11.6557371197
157.4564923604	37.7911839633
2.7920210646	2.3304525991
220.521339483	188.7336781251
13.5432507569	5.9138595101
3.7505089965	3.0723429449
0.0222643252	0.1454372955
4.5394071187	3.5350558477
0.6618826566	0.4954144913
0.2575499539	0.1401995058
0	0
0.4072557453	0.6650793764
9.7287400294	11.5725709548
39.1849813059	29.1923142996
140.3662448971	74.0890131263
0.917849941	0.8897688203
38.0701969635	34.5319373528
0.107647352	0.1757962522
0.1340202627	0.0416886107
0.1938366282	0
0.093603062	0.2292912996
1.1122724076	0.701999926
48.9933918938	43.7457910318
1.8593349722	2.6341717
0.0677970686	0.009568
0.0402750428	0.0438481235
14.3924571607	6.228111649
101.8176035196	207.0124327136
0	0.0190921094
1.7388663598	1.5221172717
35.8643730217	20.6477438081
476.7145471447	1007.7705401626
5.4209991071	2.6943611071
1.2355896343	1.258919456
1.3772942659	2.840818678
0.692884569	0.9574508375
6.1423393372	22.84391585
3.38389205	3.2836550445
4.4816146245	2.405484652
1.4484534394	1.7856706231
223.8107343598	83.0681420432
242.8868083091	124.6324671272
0.3137600248	0.2508594678
15.0595621814	8.7413823991
0.1053936911	1.1474390256
6.9028437713	4.2957976536
1.7473697511	1.4445727139
1.6550196865	0.2434929809
8.1506323113	11.7566724631

gene_expression_table

12.674586143	28.5236198448
492.1855053539	320.2209540499
3.2429577672	4.5898622027
14.2110129232	7.5049636782
6.4900165643	8.3018435951
35.6616528215	187.0367744248
0	0.5812846019
2.8879746985	2.1586956437
8.1225651783	5.6291637567
1.6400917003	1.1401131205
0.2431569568	0.2261227825
1.8645218099	2.67033324
0.1422779199	0
0.5354298836	0.4718970205
84.1419725873	76.3838224249
164.3654870424	41.5113320591
95.7672154141	35.7877058217
0.4607744241	0.6369873108
0.00137	0.009692
1.3480697765	1.5351453935
2.1858436835	1.526840482
452.4580416071	665.9573500095
1.6406894142	1.4900812334
283.655463421	102.673364447
1.5124909536	1.0404812064
75.6229375434	24.0134933671
0	0
5.976808242	6.1775816814
2.8556667528	2.7432466973
14.1777712314	14.7490625535
0.8622079842	1.2711569067
9.3571899735	7.3975443493
0.009683	0.0368971675
164.7444766905	99.9778559934
0	0
0.5704815515	0.5577776583
0.002744	0.001494
5.8465342343	4.7970741729
0.1180726314	0.1687188304
0.4888469163	0.3625721128
6.7333915525	6.768818189
5.0117133622	3.005709731
0.3123482909	0
1.7649959252	1.8085468786
0.0478318487	0.0260376733
4.0172519288	3.6468338988
3.1980097811	1.0713007989
20.2781345417	24.9436949479
0.1368760087	0.0520161487

gene_expression_table

0.0804228408	0
0	0
0.4264079507	0.0178552916
1.7164258683	1.609160066
0.5230464119	0.3050622415
1.3196977011	1.413223588
9.7636100654	9.9747499948
5.0252569091	0.7034249054
10.8014908311	3.4408206069
4.9807476967	3.3275196786
3.7605811987	0.6230317525
1.4171699922	0.6240931905
6.9995755703	4.2319076094
0	0
2.2744719544	1.2959845897
0	0.1248352636
1.8380117235	2.4003500472
3.999538335	3.7225554795
15.164756059	18.6721681587
1.2951894878	1.3994122697
0.2884040209	0.407718824
6.2825141994	6.411247497
1.4353842058	0.7766847652
5.3005647293	1.90216351
37.1042831765	17.2983143864
0.7371130494	0.4480256615
0	0.2597479318
0.1135348324	0.0487923558
9.4580674093	6.3475635953
3.3362921297	4.2596714017
0.072137996	0.0358542414
8.9119893427	4.2160255967
0.007857	0.008555
4.6132794072	2.3486039764
0	0
0.0116227033	0.006327
0	0
0.0321501319	0
12.5516321553	19.7548455798
7.1858493489	5.3459601412
1.6632857214	0.788372741
0	0.1492784752
0.0860453408	0.1873580496
12.31774072	4.862112912
8.5811309213	8.3324313813
0.4341059803	0.8270824766
0.4916997251	1.2044741552
0.007046	0.0383565734
33.8490940852	40.8895305011

gene_expression_table

4.9128947928	2.4852787312
1.3769450701	1.4731074836
6.4818627291	3.5284570538
0.0783975275	0.060966229
6.3724771008	10.5123470784
27.7820314069	31.5430598587
336.8773351043	115.5878296524
5.8648793213	1.6668176551
0.2944710938	0.3663950675
640.9174217272	452.5618022948
24.3547315275	11.4446855579
10.764830967	6.5733096496
39.7241949321	60.1033968358
5.4404500481	3.6663103291
0.0919385895	0.500475524
0.1848593046	0
4.3558558914	3.5246782209
2.3121760859	2.6889398574
0.4734061723	0.2577026725
14.1542216235	5.7305720407
0	0.4364596606
4.1413335041	1.2882114757
0.7154854597	0.9659118621
0	0
16.2855342205	6.0427886197
43.7738373215	28.5385439348
0.002702	0.005883
8.7202927754	5.9463766738
1.9615097689	1.3141717045
0.284693333	0.2324628524
10.7784117381	16.195617877
17.5379513715	11.9396478516
0.931703991	0.780897706
0.6811623045	0.814047463
0	0.0144712767
37.7354129008	102.5009549773
5.6283516854	2.8697515855
6.4521424378	5.8106359599
50.7473093607	26.5589601888
278.3752908813	709.9430559518
1.1754099482	1.2796887858
1.5531924105	5.6078649603
495.7565603438	480.6613465482
21.8115576482	15.0162408787
0	0.0590445753
3.1044080742	3.3068009855
110.4437855145	70.3380418483
45.2864598701	12.6591706883
4.7860300484	10.5276039311

gene_expression_table

0.9412161695	0.8295336506
16.303359871	21.9867808474
64.9231158655	21.1885080864
0.7341245367	0.5994403942
10.8699633769	22.8146050613
2.023166398	5.7215323324
2.2253284103	1.9151929018
3678.2271551092	4158.6327756101
23.5809241375	33.1943257536
0.117230665	0.6381550859
0.8541477707	0.8972962394
186.2517545329	56.8028481478
5.5161948646	5.7052963381
13.0456298656	3.600295079
160.1246997292	61.113607101
31.4138319285	25.0568160919
0.1864513943	0
1.5238271523	2.33846298
4.6234409817	6.8021875253
0.2398325092	0
41.3659340238	13.7446907901
25.5721985694	27.0506436408
1.2327419074	1.3421070642
4.761828745	3.4263945173
3.8012642296	2.2153152232
1.1361041181	1.4737482594
13.3182938987	4.184243266
4.9884301735	7.0349594618
3.2410439595	1.5785751011
6.8226382407	4.1344095254
0	0.4089277378
33.1731053665	15.6609739351
0.2918392135	0.2294718916
0.9123689778	1.4649559733
6.4054049267	7.4741240056
0	0.8066819572
4.7667474036	1.6943341632
8.8206177988	5.1813640988
467.4321466873	246.6237708278
8.8100563734	4.5422034724
16.6177328131	17.177243664
0	0
0.1812885145	0.1044909988
1.6580750687	1.1172803369
1.4204995867	2.6551733826
16.9364507948	14.0092115798
0.0770901191	0
20.1774614357	21.5705413376
0.0308017063	0.1229592507

gene_expression_table

97.9919741875	107.8939397231
1.8887476785	1.4731785281
6.9417178769	3.2219098104
0.0151717189	0.0211059604
0.00866	0.008485
11.5974365731	11.1064907153
3.3329217988	3.4517036483
0	0.1235694045
3.7990725139	7.7839382851
62.7935788108	49.8330652835
6.1537956894	1.3399483892
26.9700498441	27.9364722203
0.0532629275	0.005799
26.6280903746	40.3795616463
6.1689960448	7.8541748153
4.853583001	6.0980632292
2.6652033539	0.6991932975
0.1552323137	0.1901295652
16.0515362411	8.5941552383
0.3929478359	0.4044739512
0.5031872651	0.3160549193
0.0419476611	0.0608921753
2.6025080757	1.31708585
2.3522376704	1.5714743275
1.9452188048	2.0782078587
4.0438844857	1.6009620954
1.3779006054	1.0072394123
0	0
0.008457	0
0.4633885334	0.5528956749
1.9133832918	2.4132067823
8.4730089982	12.1545692592
0	0
0.033099859	0.0630636632
0.0173043085	0
5.4859232389	4.5391895731
5.6496073993	7.598076195
0	0
2.5548448373	1.4861952261
11.9827730033	6.0199518271
5.6528100987	8.1054890365
26.1002962756	21.6245513356
8.3749766763	5.9098014849
28.2779949631	26.0947615048
165.7314801159	128.4789285407
0.2418870971	0.2517963041
14.7016099394	18.1533498389
31.9408336792	37.0623263606
1.9474602683	4.5000865577

gene_expression_table

0.7084187525	0.6840408494
10.8723655087	5.9443659251
5.1106389462	4.6293688099
0	0.0160017934
1.5146044405	1.7471289031
1.1170396356	0.8208945233
15.0215319696	5.8723565002
0.003965	0
0	0.008493
0.2367317635	0.376687999
0.27592599	1.9955495892
0	0.5418582683
1.9287721686	3.4685634111
2.1489711273	1.4135212543
2.6384814494	0.1657245919
10.8601004743	10.6475751124
3.5371239456	2.9461911006
153.1837200641	77.8277356623
0.0240147268	0
53.495618263	51.4502600905
0.4488379548	0.3383013524
0	1.1932170617
2.1872721774	1.3784181491
11.4125569657	15.1283314723
3.7699407284	2.9223317593
1.7889603083	1.9798644068
1.9802170799	1.2432774405
0.009868	0.0107433516
2.4518385505	2.0276856295
8.9306901682	2.9318566995
28.57023751	14.5460047496
0.2099147525	0.2951946045
0	0.010131596
0.005594	0.00609
1.2181216484	1.2685293162
38.8714019759	33.0010939261
0	0.001885
0.9947204931	1.0696539115
26.2679955722	6.4167843536
3.7994297778	3.07006139
20.8505506881	53.4337437395
4.6265519907	8.8468137831
0.5113060891	0.6902678594
12.3703932636	6.456812279
1.0142788091	0
0.184716506	0.1407727994
0.2183922236	0.5361420079
71.8628082344	159.2850741027
9.4058176925	8.9602393709

gene_expression_table

3.7037138403	2.8067944135
13.2349645792	10.7505624744
104.6237055798	22.2450948708
0.5906503844	0
16.4053827487	12.7421696494
69.1668436661	73.1006592509
4.7151194148	2.609853391
2.1298486194	0.2898502984
0.2685414033	0.7309139735
0	0.1710960985
77.876051921	77.4013041326
82.2224377794	23.3879884348
3.2158081112	6.3228910127
108.3109638881	74.1652807168
0.1388420715	0.6802187525
7.2982705246	8.2346875542
2686.0363732423	2816.2850796648
332.3859698037	126.4326097225
1.6942757134	1.8445867621
15.6849316934	12.1974654917
0	0.0713492471
4.7319216499	5.0056694985
92.2645352455	114.799962844
0.0585338091	0.1274535053
42.705834164	7.9212966695
3.5479521767	10.1396290526
71.5458748237	29.5131711831
14.8206034061	10.5968880249
12.5219024493	9.3102103394
0	0.067357896
0	2.8620373967
11.065542023	16.9483824426
19.4215336309	13.3044382947
0.2336957972	0
169.9651400866	134.1275542125
33.8741432892	17.2697888128
13.3627166878	4.2615988452
3.7688783928	5.1290524444
3.9738198239	3.605304312
4650.4031583567	6909.1527914168
29.4581757397	33.014899387
8.1764471402	4.7179735857
65.6249651605	40.8824880427
568.9599808243	183.0987120984
5.6736929798	2.7348753137
21.8230967885	31.1611669271
2.2518928853	2.5775708292
0.0440541481	0
0	0.1494440156

gene_expression_table

0.0269008289	0.0585747791
12.7288853403	15.3510696525
0	0.0629467038
8.4380443862	4.9898668725
0.1679938078	0.0304829522
1.1571572373	0.8503763057
980.3548628492	2593.5259087582
6.6790398454	1.7109609847
11.2460169888	8.68721782
0	0.029898945
4.1348245423	5.5097460925
1.3534155107	5.451899927
44.1429561929	24.2628903141
0.933249262	1.5240664971
7.0247918091	10.3707018632
85.2025378262	21.4572751157
0	0.1177093335
0.8773951759	1.7333122437
38.6369523423	37.1940563808
0.8690148268	0.094611121
2.6792070504	3.2310257505
359.2690988278	73.8381011016
63.6141025063	40.9717312592
9.287466191	6.5653322993
3.7923866134	8.7115506174
7.5096766123	5.0023675465
0.1550693026	0.506479755
0	0.1118313364
0.8282434148	1.0520097946
3.3333970485	3.0786930206
3.6359388642	5.737837979
74.219582706	65.7146874717
2.8484487898	3.7594868031
44.2585441263	72.4199497473
6.9345934822	8.1355708754
1.6460344462	0
1.6709980018	1.559351933
0.0860474519	0.117101654
1.7307459994	1.6958633241
0.619247196	1.227979723
6.2107981899	8.4522519215
0.5661260253	0.6163510246
28.4424101076	26.8207155636
0.0851698076	0.0695443627
0.2107029574	0.0573489726
0.0407066668	0.3102262798
6.9657988539	7.2467265423
99.5228552416	75.2445998736
1.0137087608	1.2492613798

gene_expression_table

9.1730785968	6.7580435354
48.445363742	61.453925188
127.4657722082	82.2216798833
143.7743241437	253.3554793418
0.0609479939	0.0829438959
207.4996369597	183.9539674338
0.0153418667	0.016702951
0.0091	0.0321976504
0.0396377795	0.0215771621
0.5344142676	0.7123637562
0	0.0425073616
147.9802074565	238.5571426967
0.01210364	0
0.0655971332	0.0803438029
2.9429307731	5.1419333094
0	0
0.8129695704	1.8265117243
4219.2086014578	9047.3526272137
0.0386818095	0.0736987009
46.3681090158	31.4392660154
0.0813661138	0
16.1859406957	9.9364412214
6.0061114089	9.4180479337
0.0145920506	0.0158866135
1.6716426937	3.6444188462
5.798132815	10.4928951639
16.3191358254	14.0331615762
1.9311131887	2.026137675
21.5831368147	12.8526544698
2.5796283813	2.9115489367
0.3448987331	0.5621347298
20.4089249879	131.1898577146
3.5096620031	2.9607970822
2452.5586593126	1455.3918244919
7.7620188671	10.3694802521
0.5656788298	0.7295621532
19.4929751188	10.9297007232
505.4509137327	241.4219461527
28.9976708125	10.772283641
40.8672224504	31.5494680726
3.6944617207	3.8181974424
0.7284186745	0.2318639131
0.0582542857	0.0713502347
0.0155691149	0.002119
0.7133187919	0.6834100161
1.6068192089	1.9243085174
75.3897323957	62.3904345998
5.1708556279	6.5648671402
0.0103321331	0.001875

gene_expression_table

17.6958351716	36.0996502885
13.4893328924	11.4293751113
0.1935030549	0.3912444052
5.2333015769	4.8484251549
0	0.3067724636
0	0.003619
0.004127	0.001123
58.9614638211	38.0689035628
123.4402985539	138.5572655105
1289.3747918278	1337.1011520157
1.1957672644	1.5046769322
31.9870264899	39.1799231784
1.070257264	1.0307602787
4.1200008536	28.3148130946
0	0
0.6449860742	0.8701264369
9.2347205432	7.5849846077
0	0.0980390602
0	0.1044581779
1.2482956795	0.7709942547
6.321095782	5.0015182165
615.3109561207	224.9149453261
0.2212806465	0.2409120003
3.0901662493	1.7558294198
1.9007502799	2.5238689408
7.477512368	5.4406970129
0	0.094652816
0	0.0506069529
1.8977704448	1.1778900093
8.7913003493	8.8224677649
0.2696758875	0.3585174641
24.1324914422	21.2296343734
1.4770648015	0.6912032632
0.0336728828	0.008217
16.8521295116	4.6733433424
0.005365	0.0009735
0.0196981141	0.0321685074
33.0231632893	19.829680728
0	0.0170545868
0.7928569646	0.8174212608
1.05094014	1.469631008
20.6530943019	22.93210405
0.0326034278	0
0	0
0.9518502591	0.0818128068
4.3181557776	3.900405802
0.5245468286	0.6482001003
0.8881539374	0.6043426782
8.746543783	7.0064002651

gene_expression_table

4.1855821993	1.151220498
86.508616605	59.1718757692
0.524490941	0.4877481299
2.1882602884	2.8063819218
2.6470575557	2.3644651204
1.6029986088	1.5306366025
4.5829906905	2.9043823003
5.4939024058	3.4015818022
4.008768802	1.7559949853
17.1019629668	15.5952769199
10.9081973591	12.7081553228
12.8248328787	9.8347773685
0.2490320627	0.0774644111
60.8374649227	51.2489896862
3.0222537551	5.8588891807
1.9916073865	2.3466106898
10.5627357157	14.7758730028
0.006231	0.006784
4.3072561957	0.2131537736
4.8011102074	2.6675714471
0.5842086747	0.5187684223
10.3019231043	6.7428794909
0.3983748089	0.5523120328
2.1401982059	1.6828284473
1.1646110612	1.2591267717
13.1130574198	6.4349328771
2.1112661211	2.8879485633
0.3108134055	0.4327459834
6.2645145869	4.527507339
0.0301299452	0.0123011188
24.5606187936	31.9149623737
1.3056872109	1.6316953935
0.0425633697	0.2664519177
18.92105672	7.9679965037
0.4817890223	0.3710784159
18.8130823831	10.0295939109
4.3891636031	1.0239765011
0.5270095148	0.669391584
17.9964469931	14.2145567465
2.1257812104	1.9339290674
0.4515644712	0.0546251015
3.7332178048	2.5063908949
0.6243340214	2.9842227291
0	0.0130808311
18.7906732532	12.8371625293
11.0244423628	7.5015610953
125.6241950475	137.8529180568
0.4316493202	0.1958099794
2.2925675457	2.0279652636

gene_expression_table

11.7742502459	17.6744423741
13.0752027091	16.2370197447
0	0.0281543622
3.8185372543	4.4303734444
0.0164634352	0.2061262496
0.1800843661	0.2488465394
16.0936948383	14.4422092341
18.7168370621	14.7383266518
14.2585894765	21.1620685461
4.7393928739	2.8199221572
1.6238375121	1.2706777623
1.5438031588	1.5107997616
0.296420684	0.2420386771
6.8882321851	4.2271534972
9.65785983	11.4316536941
47.3840870402	17.4685119484
0	0.4011515949
5.2273030312	5.323147146
82.7883189459	58.187158707
1.0800728151	0.2519772062
185.2715202016	199.4395503668
2.9261090687	10.9224160119
0	0.4291504493
37.0964464281	31.6647807335
0.0561343705	0.0713001837
5.4909970372	4.8094824925
6.1818869781	3.9178947433
0.4257525831	0.7283949712
1.454157425	1.4022326551
296.5107518217	295.7798508845
0	0.0471303884
1.0872076652	3.2550690188
130.1728121552	77.5524565679
2.7845988831	4.6821997505
23.2366592824	42.2668589531
232.6903660173	176.2865224491
18.0447069049	21.6032678865
34.4589045195	13.6169166869
12.4293960149	9.6682351511
24.6701490464	11.10252811
28.253451427	18.9633062679
1412.7503035561	899.2456495692
0.6533034573	1.4817970341
0.6413396721	0.7082122201
0.006672	0.007263
23.5544199945	4.6159375208
15.0246247875	10.635116088
0.0357313461	0
58.4525121109	35.266581385

gene_expression_table

1.7272420017	1.1252038819
0	0
3.3519849089	4.1844199065
22.1983925344	24.6284431115
26.9122615968	15.9458725862
215.1812402359	148.2026965981
0.1293992397	0.0704395757
0.4587509126	0
12.7805616928	10.0800447481
0	0.1683386469
1.5306859986	1.8857580516
0	0.0273569063
0.1850283515	0.0805774043
9.0338742243	6.1634749656
0	0
8.5249913645	3.6372673818
17.3029627687	2.9505347593
0.6453295007	0
63.6153376211	24.8832949055
83.3338695448	57.6644490551
0	0.1350917972
0.77167605	0.6110086034
0.2374704516	0.3878071744
0.2071559791	0.045106847
8.2986861915	8.1901923298
0.1420627607	0.2319992127
56.3371010524	51.7176163647
6.080562633	11.1182250691
20.8068859521	9.5513715212
20.1693815062	6.5560292013
11.2881680069	13.8856749331
6.0793177708	8.0638695559
14.4138141983	7.6053876048
0.5359337907	1.4003525419
0.078730991	0.0342863072
1.3187715116	0.5743075825
202.9396057673	184.2842240445
372.8630948323	206.5757038105
30.3578870333	30.0942854183
10.6136012763	14.522388449
3.8818318919	3.4299726895
0.7298067489	0.3037996803
0.296479153	0.0968345677
4442.3216638957	2395.6518666205
18.4364218251	18.9448113006
0	0
3.4470731658	1.876443568
2.9061450704	9.2088697703
675.3970832228	1122.6789254953

gene_expression_table

4.0581747696	4.5217554897
70.5246678883	26.0579377776
10.2263489669	6.8392113729
10.6098677445	6.4975181176
18.3513700813	9.1572472179
158.6312729931	339.1066118845
14.5067272504	4.2589808059
84.6100112805	31.2622870171
1.4102247979	1.3434187403
18.1734174017	34.6249896456
179.747931204	118.6539263732
185.9325327985	191.0604663104
0.9023543894	0
2.4123471695	2.4293861076
37.1362142521	45.2421736403
6.3742232063	6.3433425015
2.6124027759	2.1331254735
109.5434175197	159.0894619823
1.2463066797	0.6784376311
67.9795124614	91.1183938042
222.1883136826	60.3065940842
15.1127314921	3.7277432855
2.0849421726	2.2018146161
64.1566370996	25.6625414555
18.4682340832	9.112472961
0.1059028906	0.0192163795
52.7887836689	9.1335686306
0.4357611174	0.1186051335
13.6645089177	13.8961591119
12.0376007099	14.0093708396
21.1631495277	6.1529090086
8.2147273904	4.1922718655
1.7221246962	1.3902907798
0.1870812977	0
1.9491602142	1.2482846175
1365.0185507606	1513.3220250422
23.1056715601	17.2260744493
1.4208113343	0.9880833021
0.4551785499	0
51.5784214871	25.7893840637
56.67793361	69.7852240103
28.2742607442	37.0791230255
37.2267395566	26.9688006288
5.7853523609	16.0328291023
1.5733852865	1.2235509285
107.3550363276	57.5433129484
692.886538201	648.0869088462
8.2739807996	14.1509021754
8.2745842916	4.0423566519

gene_expression_table

1.0980434335	0.5678428096
0	0
0.4807608947	0
3.9399161159	1.3787529529
1637.3308194674	1500.7120197737
86.1767764204	47.3709728572
4.978126356	1.6523691352
9.2625507211	5.0421481901
28.1388993921	22.4823557666
0.5875034371	0.3597890491
97.272428395	46.3668945757
6.1016503481	3.0034706717
56.6570937335	56.9726259826
53.6072803477	32.7682598578
5.9278396014	7.9411250377
1.3053910893	1.6242302435
0	0
1.2716841444	0.6922520697
17.2034149356	23.8377366177
11.1088632967	21.8830480351
134.2993004372	56.6177695732
0.1481581663	0.2419534702
19.8741067761	17.8000031269
18.3703900774	24.794713782
0	2.3282284131
6.4147047458	9.4936005012
3.1213801538	4.4439302709
24.41354922	7.2879125925
4411.7906218374	7374.3543500404
54.8035062827	26.1455599634
18.2460626412	31.1021844746
15.4787536942	22.5623117049
0.1078422787	0.2739560168
4.1452882424	3.1720264453
0.819746956	0.148745407
14.9391815943	22.103094019
4.5043676832	4.903981645
2.5963630526	1.4806547793
25.8001183074	18.4852146081
2.421027638	3.6356054249
8.1723010997	5.455905668
2.7059710599	4.4190550183
114.0437124401	44.8582861805
111.4705203931	36.8413830084
2.9759177496	1.7923029344
10.1419272302	4.2013972079
1.7286315139	0.5200236924
3.6920254842	3.6622756979
46.0040033463	49.9631808803

gene_expression_table

1.5206408354	1.3545388797
277.6941757233	324.6018049596
50.4539311289	18.7378215608
0.4131730681	0.1124571352
0	0.2176493215
1531.7776960262	1068.2662702337
28.6794422325	20.9698275879
0.6480722008	2.9986606787
0	0.7288676376
73.6501652597	66.1042252194
70.8831599786	9.2977952861
9.9057886094	1.4333962558
40.1974627933	51.1424176432
78.4235772138	99.4467507192
0	0
1.9391227999	1.3970884938
37.0930801338	28.5715856979
210.8354734274	202.4378304232
0	0.5278207768
41.5578945498	40.8005049903
0.0965298517	0.0262734225
1.493393099	0.4335686523
78.9666255951	55.5051523124
0.3498986425	0.0952351496
24.7671498569	34.8290385583
0	0
19.3222106533	32.1082186336
27.8624392476	9.8660138077
32.213156739	41.2454849795
0	0.1725826204
0.1199025889	0.0326349966
232.8837011834	159.5998732318
5.3510246306	5.7217201761
8.6238502369	3.3228320105
0.595571185	1.6210211759
4.8321873681	6.0223283173
0	0.1964817117
2.9589272594	8.7247181452
13.710272443	11.2378475011
1.3023341719	1.5328360488
21.064817425	19.1818991924
19.2882438633	15.4173095599
0.0224500751	0.2321968933
0.4260516569	0.5856102201
3.7082977885	3.8537737847
0.2202001876	0.2032541689
155.2294508698	32.786182587
0.0238657446	0.4027371474
0.6478726712	0.6171812388

gene_expression_table

2.1440963808	3.0148121133
106.3908332234	122.6312900919
17.8627049288	9.159392452
3.560753467	0.500213266
32.3222577562	49.3466039085
2.4175164849	1.8309504563
14.8189467323	11.878613436
317.7619785893	199.1150941116
38.136755901	14.3792672745
0	0
204.3691719332	79.9120402805
0.9683803203	0.5271460558
1.6397068332	3.6695298729
0	0.0611318379
26.03685935	40.3128263287
24.2201745727	24.3132743864
0.8490021565	0.7982790202
170.5800420422	133.017855563
6094.8065586417	10644.3543394693
91.9009091993	111.3277809713
22.3834941731	13.6336300888
0	0.1387125671
21.8894022783	13.4985771699
7.9154443483	10.7444777086
88.7981953175	61.4434572522
69.3925678716	76.5184375767
5.7264407849	4.9056781304
5.3817258195	2.9004863097
19.2339287062	8.8593598283
0.4546867839	0.8301192297
4.8584730968	2.8781115057
15.3872901602	40.6844104256
1.7109576733	5.6137631916
14.6237065191	16.2400096534
37.450940631	13.6367664197
1.3741930958	1.8545497691
3.277789507	1.9215458446
6.3462727435	1.0909413136
1.9673620381	0.556894126
16.4772172522	8.4394965299
0.0378319808	0
198.5179656596	68.6212378137
3.1523219201	2.8784402448
0.3591976636	0.6467606858
0.004022	0.0211622341
36.394724394	38.4797822286
4.763889405	5.5417689535
0	0
3.2199139577	0.8763937615

gene_expression_table

0	0.9160242937
0.516686144	0.65627915
1.9394522648	1.5628533557
2.5373276961	2.5322291342
5.150550277	7.6164748331
0.8198267989	0.7066094999
133.9344962541	73.941876187
15.7660904226	7.7066496463
0.2515288592	0
0	0.6639229401
29.801719068	42.0369582495
0	0
0.3106291238	0.2777966335
0.0428075439	0.0233026503
10.0493066825	16.4112764485
0.539880041	0.3232771166
24.3175202932	69.7601837237
0.6787900285	1.0672508282
2.5795238849	4.130760008
4.8717564236	1.9805941557
0.5972442108	1.1379023635
6.9262697277	4.3399985953
0.3459043415	0.6575874557
0	0
5.4502546986	7.6884707456
3.5784454248	1.9927377982
87.5731946947	44.7402520193
2.2470282684	3.1196928703
0.1580667862	0.1434083303
16.4759711162	23.4731225257
0.2349325037	0.3197187617
0.2719355616	0.1949669126
1.7449343813	2.0159108484
0.7410125666	1.4874507962
18.2854006386	66.2995058517
7.4551263136	3.3524767723
5.6545232445	3.2979511879
3.1915564729	2.0803471971
0.0300974088	0.065535121
2.2941664472	4.5301385272
1.1368975277	0.4813509786
40.4467441533	33.7473913982
1.735474181	1.6456414941
0.0379739856	0.0310071926
7.4112507995	5.0585845992
407.3073128231	602.872763515
3.3753116313	2.2613902362
0.507185705	0.5333573202
0.3915323167	1.4386541185

gene_expression_table

2.5338212481	3.5792146956
0.8720309075	1.1354484416
19.0682235574	9.3087091768
0.7453676041	1.3667273727
1.1985650417	0.9335856537
0.0779309102	0
5.3131938795	2.8199751793
0.9955509973	0.7352388874
0.0888471076	0.4159362307
0.7735473171	0.84217411
2.013655193	1.6574094104
0.659003927	0.4576955976
0.4061944669	0.9673799168
57.3296710951	74.5022341234
1.6856216739	2.3884132229
2.6904721296	3.2077904044
0.4108610511	0.3093110804
0.5708872588	0.0887906658
167.5740425529	106.994576989
8.0992786465	3.2696958542
1.0155841873	1.1056837638
4.7163512225	15.4298613084
0.3065010041	0.7833298303
1.0831708675	0.8823882435
10.9886361139	16.1718229708
5.7131501296	2.0154201728
0.2343046917	0.1159506817
13.3076207015	15.1268326041
0.8942078631	0.7622996382
12.5186599249	14.6776837905
70.3895319683	32.6378639501
42.7681495676	23.08222096
70.1892525123	110.2447616156
0.0485934425	0
10.9124908823	8.9130014693
10.9221888263	7.2854367275
3.656874057	2.4359275437
0	0.0828794255
0.081531097	0.1084896888
0.5410043285	0.5301005457
0.2964899529	0.3779047613
0.0287458805	0.0312961286
31.80527675	26.9291887511
0.005622	0.00204
0	0
0.0172076609	0
0.4931346175	0.0462831068
17.523520809	6.8671369091
0.0125285586	0.0008525

gene_expression_table

1.5445983725	1.5539117255
1.5531967973	1.3422247005
5.0975434673	6.0080975487
44.8320034054	75.8689486347
5.0545535125	5.3822989586
4.5930992261	1.9884216675
0	0.006159
2.0237489414	1.3037816171
2.2829087454	2.9537131433
34.4317909323	23.6594971037
0.2147783043	0.1753745924
82.111862251	125.7612903147
1.2054736947	2.4449108882
0.3706128656	0.4539290907
43.8433727452	31.1619529976
59.2451340862	44.3610185943
2.6032256456	1.042762868
0.2354529871	0.6152200041
8.9742519177	6.4602234393
8.3458112857	19.7455908909
1.5552689693	1.6054497257
0.1004357871	0.1421499927
4.1603547193	2.4804124847
7.3679637115	14.7597942425
0.001573	0
0.003435	0
0.5668885873	0.9257718582
0	0
0.0283200156	0.0154162411
3.7860741651	3.1306050267
10.4583014142	12.4228867704
21.7218274026	20.1046135674
0.7188187123	0.1117985925
0.0867784418	0
1.4376841968	0.0434786449
0.519475273	0.1696684674
136.4781209987	24.1452330722
2.532720023	0.9433262974
16.0866852891	7.4330424301
0.1221334071	0.1515224901
2.6167681169	1.5134887069
4.9038898498	3.5782312521
4.4522398146	1.321971586
6.1511830673	6.9360724523
0.6116135612	1.1652796366
11.5034809427	9.7047718613
0.4184949653	0.0698399576
1.4401768737	2.1515690231
0.6845664356	0.3908275832

gene_expression_table

1.3422187449	0.5962760999
0.0300544224	0.0327207604
3.9182680067	3.6358287861
16.4706267702	28.9833759147
1.8275358973	1.2499205136
1.6791956091	2.2383348724
1.6385442298	2.8499065158
0.0824532909	0.4825046071
1.9562840128	0.9528230015
1.0996141014	0.6346435736
3.4371130709	2.5855827591
17.1002198644	7.4895300063
0.0154551095	0.008413
0.2957196642	0.5519228983
6.9179248201	4.2355300118
0.9416539031	0.8137482193
11.6861742095	6.3614682298
20.2087557196	22.235675527
0	0.4217556625
0	0
0.0330492598	0.0359812908
0.6131848477	0.2612288208
13.1232863416	11.1297903805
18.6177708878	17.4338563268
1068.4616270792	238.3807732711
34.5714902327	36.9368329019
0.4033719147	1.7840788003
0	0
0.2421786668	0.0922824106
39.9618830334	14.979116012
0	0.0450695774
0.0630245567	0.1047295406
0.2356956134	0.1603786373
0	0.1543368875
6.1706355655	6.9438934796
1.2456870776	1.4299072502
0	0.0510387586
0.0747000748	0.2585044443
5.6635302298	7.0468361241
12.0012596776	14.2021471342
28.7809138023	25.183079386
0.006022	0
5.6783382018	5.3055364136
16.0225160101	12.9666958667
0.9529254637	0.6804161091
40.8133360144	24.3597617679
4.4457653397	10.1203769445
2.6933686326	1.1519813651
5.0585747141	2.0652585967

gene_expression_table

1.5267447193	1.2736283427
0.2753315804	1.1428280255
0.8141774368	0.9986872612
0.3936687022	0
0.1038873608	0.2968978298
8.0864536731	9.6387082863
0	0.1278120801
0.0409729825	0
0.1814669227	0
0.2220652634	0
6.796426429	3.8297597903
663.5766329362	714.3221658064
1.642102606	2.8338294363
3.4434580067	3.5651791307
0.3721772968	1.2524232207
13.5501731638	21.5495678272
0.0203340591	0.1106901783
43.87465634	44.0410407646
4.5430866601	1.6487118844
0.5975501522	0.2870130907
0.4651393537	0
0	0.1158463167
3.6798670681	1.7446937575
850.9763295778	1117.0249919833
70.5337458856	37.1854660188
18.6163583416	27.6937016644
62.3457662478	66.6929958981
5.2507422842	11.2721145073
34.5502231972	13.6603349755
278.5478557053	140.1318908119
25.8053208067	27.3196653374
5.8726985677	5.2266015355
2.1769057935	5.0786449978
1.9455596073	2.5929246613
2.3031233054	4.0479005098
41.1140227281	63.6834569638
0.3174849783	0.950541051
1.253825347	1.2449861561
14.5829787396	13.7557986611
0.1120376124	0
0.2601930111	0.2087300917
9.2364667989	9.2271155381
3.7841530478	7.4037817419
5.2411793402	4.2706034418
0.368904094	0
0.4606646297	0.2507667055
3236.9382522053	755.3174143808
1.0424895006	1.5196776508
0.041388821	0.0450607128

gene_expression_table

3.1364922973	0.9986540232
2.1036893819	1.5268815871
0	0
24.3932227161	20.8848796637
1.0647403169	1.498479183
0.8537286385	0.7107703179
29.0735755866	12.9918602266
1.9977440848	0.7249926451
0.9144119222	0.5599888872
1.1626590172	0.6995247169
1.8991790939	3.95708982
0.7586804099	0.9833193518
3.8399460511	6.9607231805
14.9407766382	15.27844682
0.0163685148	0.0106924082
0.020807365	0.0792866615
111.3068193007	53.5212678169
21.5941701674	38.705389087
6.2083739251	6.2460904808
4.5451690678	0
0.1557118866	0
1.8531296037	1.445899146
24.9488273266	14.5829910284
0.2963149417	0.3494867055
0	0
28.388958377	21.2414763524
0.1980434088	0
23.5804668579	18.5090119117
24.5303844952	9.0071944481
0.7707458926	0.5454306985
10.2354542571	20.6681136879
3.3095557421	4.4791695236
4.3773709907	2.3384027675
6.4934551167	10.9756767091
1.0392442548	0.6047367125
3.4874238845	4.544675671
0.4120030366	0.4777289975
0.0136565972	0
0.1427508606	0.2201716578
4.9922677199	6.5329983922
0.926040843	0.8697078862
29.7442074669	30.2674350721
0	0.0679465584
8.526201728	8.315410587
1.1431804911	0.3042355624
1.7367671546	1.3347161762
20.1463031219	12.7205130955
99.588296395	139.2738603189
7.425702439	6.4582982362

gene_expression_table

0.0376890089	0.0359035815
0.043037805	0.0234279948
0	0.0135368516
2.9910434537	3.3506364899
2.2309198137	2.5148169623
0.1036432895	0.0620610159
0.8993055883	0.979089277
3.151780818	2.3608878749
3.8038701478	5.6459764743
0.3930539887	0.51622645
14.7763771439	7.8811485468
0.1395556876	0
7.4523228575	6.8647933556
1.8763860375	2.2532760311
0.8095085284	0.8911181996
0.0447860922	0.0715661864
61.6310974861	37.9206704446
3.8747338072	2.488908241
1.0326285386	1.5739363342
0	0.0716377973
18.9629253667	12.0871816142
21.2528724978	21.3263229527
1.9044678131	2.8367208342
0.025862354	0.0211175883
116.6155695946	87.5199990352
0.3987364878	0.4054434704
1.1565973629	1.1350600154
16.1709805492	10.8857802715
3.3865009849	0.575162823
3.1908931561	1.398615166
21.3259306319	19.8241028765
8.2167783746	7.8876472351
0.1568493169	0.1024587101
16.7984284746	16.829210138
0.1167726818	0.2669780467
0.0239393231	0.006516
6.1056621113	4.5756340745
0.1164457106	0.15847053
40.9486949598	76.9460235296
23.3103019786	21.4902781593
9.2131805429	4.0122184913
1.4793942885	1.3422014193
8.6231456167	5.7519040168
1143.1612403137	774.3937442783
9.3159415364	11.5653907988
1575.1708186817	1755.8770497378
6.5382176443	7.1528233637
28.6372946013	5.4461412082
24.1082581135	30.5091529888

gene_expression_table

0.0608281909	0.0331123426
7.5117459638	22.3990865846
1.6855461147	2.3062525821
0.0946343963	0.0515150377
45.3281011301	42.4550622062
132.0255319231	62.2168815127
12.6764484096	8.0902793715
9.3333026134	23.6671152738
1.8714785094	4.5843985296
0.0916343161	0
3.0534228107	4.1116506663
65.5867385984	61.4343730168
8.4827033149	7.8144535244
1132.6893656734	929.9988585169
26.0539467931	5.9094530502
3.8722484364	9.274721893
4.0961639286	13.9980736299
1.178280103	2.4052754478
211.5771365884	296.8627327369
15.5598438046	15.1529905674
672.7340953272	924.0032603835
91.2544100617	24.6730696278
6.409157724	4.4489974592
0.3438664002	0.6551530889
3.1664740504	5.3177887876
0.6386313918	0
0.1841024003	0.0200435412
0.9313156373	2.5724012057
0.8827208823	0.7713556154
0	0.0810487061
0.3156751329	0.3436808819
0.160459333	0.0582316009
22.7454206714	121.2329226738
1.3817955846	3.1341340325
4.5819438385	1.7815857584
6.4884654029	3.5320512754
0	0.385297134
1.9854918408	2.7020483863
0	0.0256422005
1.1855157386	0.3872073395
0.2622495558	0.071378887
0	0.053007329
0.4768812694	0.3216712859
0.3925329123	2.3290970254
35.2543073789	26.3799844812
0.1393090086	0.1314456737
2.4014726802	2.124300846
0.1925877175	0.3878960136
0.6665474932	1.9956243541

gene_expression_table

3.3877720911	2.3710661024
3.8775118594	9.479215682
75.3071622803	52.2365120602
55.8827129805	80.2359077435
0.2971657962	0.2911765072
536.2084771148	526.7700976797
0.2200373408	0.6388223795
10.2043139578	9.7036220304
15.3169178999	32.4903866626
4.8018797982	2.5776392915
1.4124985158	3.7088386282
0.0355911379	0.0193743383
0.2339313462	0.0424475053
0.8331123955	0.164913386
0.2480772465	0.1350429571
5.6248043342	4.4536873221
30.3804139379	10.7617538815
0	0.0103390893
2.0300486566	1.7365452276
0.4922943397	0.2443389063
0.5626445016	0
0.0224607145	0.46461387
4.9473913072	14.0642512604
59.1288221684	38.6957334727
0	0
0	0.5691867723
0.5821423326	1.3141785785
0.0422107525	0.2297778182
3181.047238034	3105.7137417009
0.006968	0.007586
0.2619021745	0.4277060224
2.8548123894	3.2743587964
1.9287431872	4.2685586918
0.2230105558	0.283261279
165.207784523	353.4573059171
3.0175942179	13.9450759213
7.8423904203	9.1578477062
0.4728135409	0.4412229746
0	0
17.283529872	26.2445855971
0.7297876066	1.6458166369
11.093389676	2.1933308102
0	0.003864
1.5708921058	3.5498259728
0.225550194	0.2058373348
2.8692261194	3.2799639984
31.3352254447	33.1038725258
0	0
0	0.1212670315

gene_expression_table

1.2013239042	0.3503308259
447.3587685343	436.3710033536
0	0.3551534867
0	0.006224
0.0248387643	0.0439438754
48.6601599045	23.04532834
1.1170862785	1.6518412568
0	0.012841654
59.1411499333	51.3693287754
4.896368721	1.6084189162
1.6297968909	1.3186705455
0.5914626475	0.2128261186
0	0
0.0193759881	0
14.6031389664	8.1706306958
0.4817514734	0.5944231516
20.4877126408	19.2417814773
0	0.0250215898
222.8892697778	219.632084736
0.0218467179	0.007928
14.621370908	20.1771836456
0	0.008105
0.9644564034	1.5630980686
8.7982478974	8.7223032861
0.002037	0.004435
4.3614270059	3.7502183448
0.9916190371	1.5888342417
0.0716386708	0.1039923178
10.375974598	4.3089741798
12.796969675	7.8982282253
0.006099	0
2.711176974	23.2730542861
0.0373253354	0.0304775453
0.3486989587	0.3600775543
13.1692684723	33.1146884882
9.413754647	8.2639470017
24.6207032538	22.0585122609
27.7491685315	18.5481435306
0	0
1.234534888	0.9100400241
0.7696415106	0.5052175511
0.03482195	0.1042559339
0.2638754899	0.3540963652
2.7712341124	0
14.1650930913	10.0757290673
20.5561208333	5.9050908478
0.5615496799	0.3821054248
0.693484207	0.4972004175
9.129917829	5.8735753207

gene_expression_table

4.2390391533	2.9998240776
0.3241430595	0.7940251292
3.6727031564	2.8063107991
0	0
12.9091915796	9.1102993223
0.005039	0.008229
0.4799275729	0.2612526523
0.7613469411	1.0854529627
1.9908140359	2.1674330733
5.2134979322	5.2419749196
0.562355968	0.4447060721
1.4681711442	0.9897211407
11.7167154944	6.8435220924
18.2252572299	7.4255888559
0.016335883	0
3.1449043381	2.6630417319
5.6445558905	10.8860023779
0.1805595669	0.321673531
0.5674509955	0.5110144114
0.1918086222	0.1207271304
0.0291471135	0.007933
0.047456991	0
0.002769	0
0.2860993153	0.175022762
3.8061324465	3.3713820165
4.1948569572	4.6656820714
26.9684783538	45.2649377348
6.630878627	5.2366892991
0.0720466471	0.1655921968
0.005284	0.002876
4.362469562	2.9170125231
3.3662051962	4.5436596285
15.9655324315	4.3454866201
0.0336569131	0.0347142821
0	0.00277
0.6188593106	1.2403357848
0.8376811469	0.757857244
15.4986142385	15.6638583749
6.2004829857	1.9628379911
53.4855422572	41.4483359034
0.031100033	0.0507887017
0	0
0.1272802232	0.0364663532
7.319478403	4.0363345337
0	0.2892830051
0.0861108334	0.8203153676
2.923728521	2.9276779394
18.5706975923	30.6597884271
6.4625031108	1.7048374177

gene_expression_table

89.3889316864	134.700152624
2.5716303266	1.6618035021
0.1534970046	0.2785246624
24.029417703	13.6645738553
1.8529120364	0.3025945234
0.0252431045	0.006871
0	4.3389711335
10.7960634585	6.8629907716
10.2851517403	7.70588868
5.43763033	1.9338799126
29.6134364849	20.9743066008
0.8428721133	2.8184939522
0.3011808605	0.3606907933
6.7426414082	2.8724980254
43.4558601417	26.7697172733
6.617265522	5.7986066138
0	0.1376458038
1.9060601775	0
61.0979921849	67.4784821111
4.0946344794	5.1963229887
18.2159318581	64.3586362573
3.1595952492	6.459377247
7772.0898228795	4866.1816496151
294.9722796589	345.0372833311
203.371957888	99.7727365321
0.2854436294	3.1076733024
10.7440066024	12.4730161125
0.4395843819	0.2392914935
0.7799154148	0.6707233077
20.9457645821	10.9475771964
0.8754054625	0.8025842559
1.8212325552	2.6350459232
1.1424104826	0.6299572281
83.2733077551	94.1329831403
0.3356838939	0.5786525366
1.3361516808	2.8285659146
0.0281472771	0
0.489028686	0.7986207617
11.2452132452	11.3181284999
6.8831173347	5.3117582429
5.8331929311	2.473817735
88.2476406742	89.4553859933
4.706414991	6.6521507846
2.1669363713	3.4431282285
6.6160122045	2.1551039624
0.4706271211	0.7850221777
6.5346087024	3.8361634802
0	0
11.8422225064	26.9696930914

gene_expression_table

0.3471471712	0.0472431281
2.6654143269	3.6922318158
8.1616661092	25.6362010196
1.6859050095	0.7647805977
5.433812911	6.1467482436
1.5175657813	0.403871027
222.4325016779	170.0894053256
0.6295244623	0.2056121941
10.4628697525	5.4462076093
1.9615582284	0.3454617583
9.1865196402	5.5436996851
0.2367278127	0.1150578539
0.1746440133	0.0950689526
0.4091031889	0.1299076316
1.1513535123	0.487471497
2.293668698	1.7656659227
0.3528715097	0.2561181396
1.3196280954	0.5309549146
54.2717820503	26.3453190123
0.3658840141	0
1.2411190899	0.3524941161
15.6772549749	1.3482608908
6.7601691679	0.2044419738
2.3479218569	2.6314054393
5.7504410716	1.1107521308
0.1512463477	0
1.9654020261	0.4457847055
0.1389153971	0
0.163796251	0
0.7521366941	0.2047160002
36.2889427658	67.94487007
0.2418724639	0.3620796601
7.8014077733	2.9575668183
2.8248425927	1.4194403708
0.5712230293	0.2332125823
0.5431127722	0.3202853902
10.1526419224	8.515593997
4.6517411095	1.2126099039
1.4066761017	1.0825924012
98.3469072588	50.2693727904
4.1863641277	3.8583066666
416.1234337173	559.2847011699
8.4216532924	12.3014693876
6.8297015491	4.4047919755
4.6146720088	6.1457985701
455.8242746232	581.6879427374
64.6254159913	85.4750886208
0.3068224208	0.5845748716
20.6190679629	9.1456158024

gene_expression_table

11.063566961	0.6022546684
0.7912111431	0.4006534965
258.131050092	415.8602762168
1.0261077342	1.8153540083
0.3194126345	0.3477499633
27.5473738201	43.8678629022
4.5393014028	6.0010177033
0	0.1612909574
2.0133998157	6.1063486592
5.4218763023	8.8953255904
1.8187471357	9.4054793456
2.1752408856	5.7012745081
4.9606381058	3.6004873387
10.9522699877	9.0710308567
744.1320899392	732.6255779776
24.9753427629	27.7041193504
12.4235067965	21.4227985134
32.5483772474	3.2963694367
0.2340076549	0.2292912996
11.0447635981	15.317077803
16.7499182062	15.4453704754
45.8351115779	44.7801315532
2.3970876411	2.8592114536
1.0294962994	6.7249807001
1.3373310683	2.493357292
129.1555507121	116.7624926592
2.6447891677	0.261766083
671.672000427	790.6874997888
8.0893539071	8.4777827882
12.9067692521	10.4157688196
48.0370676574	32.1419535713
4.2439878564	2.3762580185
4.317778893	3.5635394377
8.9726734564	6.6565492021
2.1090587427	2.1214596531
0	0.1362811365
82.4800768799	135.2669386561
19.7759498178	79.5568869082
0.6012258389	1.4400425339
0.410073163	0.3534424503
77.0304423167	144.7893364817
494.8109964949	193.2832508152
25256.5639698776	20737.2101803098
4.4269784768	5.0874892954
26.6309290382	20.371963285
0	0.4415915109
23.0534692161	32.6077421177
813.9714660593	585.3300794042
6.757174513	8.0179227008

gene_expression_table

6.6977774543	7.1155651671
43.3236266234	17.3581039567
7.2579364078	2.5319271924
16.8998745164	11.7085694642
30.1419638655	25.7099123911
172.3050052793	75.0171957006
1.888208568	5.171432591
3.029208881	15.7568778976
5.6394126494	8.2886279251
10.5074422569	6.5691214099
20.8809703045	31.7804592867
0.4817790478	0.5245210368
3.4458068564	6.4331423254
537.8016157351	386.5696785316
138.1879651424	106.1709896864
287.2525864136	342.1411423769
3.3918938366	4.8502611449
0.6847190316	1.571959323
0.1324452691	0.0720977077
0	0.8817262651
6.4380712467	4.2502823602
0.1602902526	0.698042888
0.0945791018	0.0772274066
4.0735182815	8.575311511
16.3024171708	8.9613628333
15.2275539972	12.5410611702
0.0123815293	0.0269599628
1.5256378096	0.8304939052
125.7551901427	166.2805711818
0.5386408966	0.0977379163
1.4951036556	2.441617137
0.4452306041	1.3604758843
2.7318310556	2.9741908957
1.2139470127	0.8496287632
35.8974666768	28.6372094813
25.8426777231	8.2211129891
37.2132787026	65.4356593237
5.9077970711	11.4682330585
38.172378873	43.6468057943
0	0.0165017918
13.4626568236	9.9425030473
0	0
10.8698840806	13.7795799938
4.9230678494	2.0390648598
17.1526771763	16.6409752592
3.6522912595	2.5162596605
7.0919754704	2.7575550776
369.7328779189	178.8233288517
22.9717382435	30.1841470159

gene_expression_table

3.8968341407	3.5354579607
26.860850215	10.8886728066
14.4984806745	25.0597186167
17.8914908788	8.2585429093
0.2466003886	0.5638038711
16.0323925518	30.1009502722
11.078022719	7.374544621
0.458122794	0.8486114673
2.5778550949	1.1080523142
1.4013739849	2.0761651796
0.209595	0.3206457851
3.9602185917	0.8276650139
0.0762695386	0.0358564298
1.228014427	2.0850212267
11.6797503506	8.4282934242
0.7356189099	1.0068215878
3.9883742684	4.1645749473
9.239575439	19.2097442581
0.103886506	0.0801146282
0	0.008073
2.4971272831	1.8536351659
4.4876775293	2.9692100448
0.0296729995	0
0	0.0185108493
92.5504446799	35.7732219936
27.655445118	15.5211480304
7.252846669	11.8269377178
0.3840039483	1.0591147817
0.091828671	0.3245234348
16.4499054166	11.3635716298
9.90684894	10.0644145112
2.8379207805	0.8027142493
32.4309434847	16.3190720938
4.5488581084	3.8530231798
6.9582617613	3.5081534917
9.9598729054	4.7019057176
1.0327483267	1.3032478036
35.4421440672	16.8918580997
121.1398490788	140.0690722249
15.1266345002	12.5168894816
0.6056480308	0.3663218354
208.7351875206	83.1277015779
0	0
1.8524118254	0.719308297
0.0627168204	0.004268
3.9736915493	2.7665342862
0.1545613118	0.3617880827
0.549669119	0.588935157
0	0.002026

gene_expression_table

2.6317660085	3.5078224632
3.140357026	3.0086848548
2.3429164794	1.6261177794
10.6811240859	7.9205831372
4.3948551157	5.1133766284
0	0.0367159402
0.001816	0.0148283285
61.151297298	96.4425305726
21.187795137	12.3711016246
6.5383309975	4.745594714
17.9512928189	9.3195342072
110.2535467144	183.3601862025
3.1907360667	6.5133910875
3.3130386937	2.3046006101
0.7865145893	1.1885841397
0.1035270312	0.0845337287
0	0.000974
0.0203692919	0
3.3989854349	3.6191639292
0	0.1801648914
0	0.009211
0.008219	0.008949
0	0.001141
71.725446445	58.4260870241
0.235275924	0.1328179465
0.2395953095	0.0741636575
0.0133360753	0.009679
0.002428	0.001322
0.0426306281	0
12.5511529072	4.7631077801
0.7789152831	0.9401942085
1.8086257915	1.2928313768
130.3949584964	109.4299722781
1.3726424074	1.9137165658
9.3610695948	3.8218333321
3.5301356393	1.2417602067
0.0264039655	0
137.9770508297	264.0534155376
0	0.2739092251
0.0886539617	0
0.877133691	1.0905646073
71.0403665313	32.5654123455
21.8449735376	6.7282961116
16.2970430371	12.6283755947
0.7646539739	0.5076169367
0.2708984051	0.3291648408
1.1118404618	0.943885883
1.059869692	0.9094281993
35.379057074	18.0209451377

gene_expression_table

2.1279341488	1.5766553535
0.4486249828	0.2320021803
2.622785422	3.1383243267
77.5376195489	50.1017552106
10.0791720912	2.0636479237
0	0
140.4257561867	137.823701408
0.1241811179	0.0225330156
0.0415867675	0.3169335437
0.6658023232	3.1169423077
8.6596314238	26.9980426086
5.9541708602	5.5867114211
1.2471474774	1.3296984325
6.6112847785	7.912669889
124.53926791	74.5569547274
389.0274283826	278.7136242737
12.5666990774	9.6458750338
0.8040271122	2.137649562
0.009223	0.019170223
1.4616386138	1.9547583264
7.0462907487	4.7063904813
0.2751155988	0.1872018923
2.9904915833	1.6970084452
0.0116781755	0
0.5392850938	1.3629776791
1.4424722923	0.5163103885
27.2680312942	35.4531809101
6.1249069504	7.3788458073
2.8500547666	1.4997364785
2.8839064906	3.5154555454
7.6132070767	4.1072007032
1.3235873697	1.9755810538
8.7024178403	9.486936602
1.0201795908	0.8811449071
128.0189671474	119.1203846692
0	0
0.0410364481	0.2233853922
2.3046583486	2.7999128453
112.0486525274	248.242310296
10.3018599031	10.8099747205
32.7997056772	7.0525212389
0.4057744707	0.2056532099
1.8206886259	1.3257669401
14.1060870467	15.1141954398
23.0718164343	25.6849132604
1.8518522786	1.766471701
0.060626069	0.1430100351
22.3993808303	11.2396278887
0	0.0441754998

gene_expression_table

3.7514824366	3.5154842723
1.7554143689	1.7382359332
9.3934643878	5.2535056407
118.9745512542	139.4978140621
0.0694791031	0.1765005207
0.9311568983	0.1839798172
0	0.0159185814
0.4664737301	0.6273538484
8.9844319539	18.9129708621
3.1960668833	2.9576704811
2.0014663835	1.0448171718
0.1105985192	0.2307867674
18.0657065975	9.8759797927
5.4706192362	4.0921875461
0.0173628486	0
0.9719586309	0
8.6181993666	8.4474250837
130.9536966604	119.6530716778
39.543124443	56.0334732184
4.9782211675	3.3526359866
0.7864721253	0.7415698225
1.1179589769	0.8026074295
22.6122319077	18.7267571186
41.7717355204	34.7920724146
0.5951927487	1.4690374301
0.1339075654	0.2186811631
0	0
6.0091367591	5.3923994316
2.3992196789	2.1882583545
15.2208114101	17.2928962945
8.5536695368	7.4261420401
1.668346002	0.1224510098
11.751435793	7.5213140721
3.7131558638	1.9447240083
2.6225428119	3.07880747
10.1388919278	14.1678226919
2.4598591016	6.2632759528
0.3898443022	0.551759152
12.499184607	7.3368836463
11.3299021237	4.2355316154
165.1899172952	184.5312261513
15.5086848646	18.9163218592
55.2323545961	65.9996150038
66.8862330144	33.1736369015
6.9811195886	5.6651603201
0.4525077738	0.4691932413
0.449583474	2.5778709538
0.3927310625	0.0916227818
53.6864621491	50.7377545621

gene_expression_table

0	0.0363376014
0.4287917314	0.5880646303
5.9618664224	2.2988197907
4.3200424919	1.0957958828
1.8479592268	1.6895337982
1.9422891348	2.01017834
0.7107588553	0.8947238766
0.2685351725	0.7441860512
4.0508941191	2.3674215645
0.6582356543	0.522947926
326.4727495572	307.384114724
2.5361230192	0.8715657293
1.7248282262	4.6946245051
0.4788836079	0.6220290201
982.8745013757	925.7758313079
4.6040440216	3.4107619373
1.7388092845	0.5408774908
3.3239315885	0.904705202
1.0440773476	0.2238963905
0.0529714395	0.0865063597
63.1391149109	48.5261265951
2.0071304544	0.6474657883
33.5185821311	12.8057666247
0.4467880404	0.3316539084
0.9681355928	2.2119693694
5.0615887277	3.3221272785
3.3141443096	3.9377572476
1.4455251855	0.536511762
1.0547187317	0.7157675626
1.2613432962	1.648254547
0.6646526961	0.9209692362
17.93888255	6.618109904
0.5108342411	0.3475961997
1.6645233634	0.9060974365
1.0993298397	1.2015711224
32.1369147618	13.6926031333
2.0135466024	1.3762033986
0	0.0294089493
30.7509836656	28.0803559889
1.3441876776	0.7894873512
3.4289466796	2.4139181724
895.5972844784	920.1086718662
19.689708404	27.3295098864
2.3460771467	2.8607197466
0.005795	0
0	0
13.3802349502	6.8674363265
0.5493399005	0.6877870381
0.3115531737	0.0547085863

gene_expression_table

33.1426227503	12.4578314032
7.1233072788	6.9152533228
4647.4410892411	7336.6347357763
4.4494601957	7.4733216148
0.5499713647	0.6259796788
0	0
0	0.0193979608
751.5322985684	473.2209814024
411.9328749086	297.5840528482
6.3191904985	2.414548732
286.4519992615	237.5812013101
152.6472076809	50.2768564796
12.7591858205	14.023860357
18.9593233386	28.9904939119
140.6938372901	37.5803911798
0.1043846637	0.1846737057
57.7427231096	52.1029752587
7.8875039059	6.8958296343
25.8778622042	25.8860628063
1.3945228244	1.7201344076
0	0.2147969709
8.4434635064	3.4166971045
0.6717689619	0.3094241975
1.1327366449	3.03253189
3.4281725737	9.7795964079
8.2620572408	6.6517958575
24.6526792077	15.4634077956
14.1759986108	10.4542923776
3.419851942	2.008009688
42.2460993863	21.1114151621
0.3418751579	0.2658609245
1.79104049	0.8179817189
17.6953196375	25.3394825031
15.0244246775	8.0008759933
0.2143516793	0.4550682163
36.4738860537	22.3121556625
0.1478926405	0.0201266539
3.3011354234	2.5100967996
3.1125834925	2.2118509218
0.2354253278	0.1762141942
66.6004380415	60.6813148156
0.8470952291	2.0174152505
3.4896024385	2.472748324
1.0762746002	0.377986596
4.6048085877	6.1792248448
21.916752563	32.924278211
1.6423874959	1.5977495622
1.5285402683	0
58.3628020506	28.6623243329

gene_expression_table

0.2935673041	0.5220324645
2.328736254	1.4890061141
3.0365433686	3.045918902
1.1257041624	1.4368789852
26.8012267555	21.3478355002
434.645834624	203.4907527263
0.2899384508	0.4238875193
2.8572505402	4.22260715
11.4331151289	21.7133283583
35.4137142571	9.5363368786
8.9734315402	7.3158556602
3.6197184872	0.9404298825
40.3047782944	47.4795925295
9.2578198818	4.2541849304
0.2519263524	0.237706301
58.649986814	46.5228461903
31.0619010136	15.8766741493
57.4167376294	19.983625873
6.7795680228	6.5873716814
5.0864255654	2.8151793778
0.2785920359	0.3791348549
3.3942952053	3.0377661587
22.0022315569	16.8330500728
0.2455343118	0.409329735
1.7531857665	2.0501100372
3.168157838	4.1589721226
1795.4918542012	1508.4905106227
4.2034074474	1.7872023316
16.1081375517	17.2616465962
1.6598543206	1.5867321426
0.0707877732	0.2456537771
0	0
0.0522805077	0
0.004777	0.005201
7.8903205972	8.162669196
0.4056854513	0.1104191613
0.011382172	0.004819
0	0.001789
2.0121549212	2.2483163961
1808.0571358214	935.9430050477
4.1657601804	3.708378433
0.3150270125	0.2694805632
10.4737098277	8.9047427562
35.9517633485	7.3438758457
1.8859259961	2.2155684601
38.0522682819	7.3978841336
11.8908612565	4.3389711335
0.1260658061	0.0300234343
0	0.5162648185

gene_expression_table

2.4207923833	1.765098348
0	0
0.6443020318	0
1.5840838876	1.3473586319
10.2878573024	5.336739832
47.884909343	18.193784919
9.759836377	6.7517467001
11.8277454226	22.3113738748
1.2369660474	1.0839340631
2.6884455057	1.1576767496
7.4405134752	6.00942249
2.7376730696	1.9502372021
1.4787158179	0.2541952169
0.3648468056	0.0595822376
1.1461276884	0.7798804325
0.0554310089	0.0301743407
15.7241706153	17.4788182351
4.3816714682	1.8827743546
1.2577006715	1.5689667752
1.3461548231	1.9810914514
0.1367843497	0.3474787075
9.7332497946	26.8035554006
0.80670517	0
1.6616398985	3.3041041322
0.4629735262	0.3803264828
5.1763515596	4.4239318002
2.9441746795	2.7220231096
1.1071151633	0.949657952
1.2001023966	2.2703303356
217.2535039492	156.749634725
10.2434165869	8.6130689156
369.6527028162	287.1753825966
0	0.1898704424
4.7879880312	3.8402893821
2.6886646145	1.6587437527
0	0.0514040737
0.006382	0.003474
5.0046752691	2.2056760587
0.0496960654	0.5843334701
0.8324142752	0.7875861957
1.3090453723	1.0688849573
0.1606578762	0.1906529465
2.6285344993	1.8787880742
0.0335345089	0.0182547949
0.0149054403	0.0162278061
3.8598000168	5.203432292
235.5419747283	342.4680277888
11.827286331	2.8245374144
5.7101870231	5.4161320456

gene_expression_table

0.0337926951	0.0183953407
27.0198184077	11.7844952383
2.7104852208	1.595793419
0.9189345206	0.9246672331
0.008017	0.013091994
0	0.2050274529
3.1838867274	2.616012214
762.9836483113	1420.7802613821
0.6255322342	0.8512844673
104.0272542242	59.7057349745
15.7870039917	9.7946686864
3.35817821	3.4047484209
22.4493709752	29.557428295
0	0
0	0.1355447141
0.0648678193	0.1000488211
2.3951925985	2.7897879261
0.0648195305	0.0382254841
201.3175524861	79.2209062528
0.0555690936	0
0.0122764649	0.0217190935
4.1083231579	2.515121172
3.0731674502	2.2902863533
0.6922338025	1.7366641459
131.4901489856	117.9297366686
1.9163432522	2.3504510941
15.4050034862	12.8035883885
0	0.0295183317
40.6483456057	14.2697496776
0.4373931383	0.1255429359
0.5311872391	0.386959149
0.1285612436	0
0.7748031727	0.455784456
4.6920431819	5.4647006719
4.6009816016	5.352118118
1.960478109	1.5484905071
0.0420160621	0
0.0110037656	0.0179699799
2.598339356	1.5724031941
0.0216060739	0.00392
0.005791	0.011033438
0.1947695702	1.6698854103
0.267441663	0
12.9708753513	15.1577544021
21.4758160672	16.5423493252
10.2159841394	6.5522551976
0.0415916993	0.2188610178
17.4798915204	10.9241502356
66.8263625799	37.8648236163

gene_expression_table

0.8558778211	1.0227168975
36.4836938173	36.4752853256
6.9271533945	4.7237052204
5.0828271401	3.8347987949
0.161664549	0.20460807
0.6341998094	0.917812049
0.976895789	1.0945406115
5.3214711856	3.8259464905
4.3820364828	3.2302275337
2.8112238635	5.2809087726
7.734293904	4.2357451429
50.5142405732	37.5767515382
28.8355307071	41.5392677637
0.385901983	0.8102662335
1.1987799859	1.3660383097
7.419373197	10.7559590243
0.3522387722	0.2425854255
0.6949919611	0.7425329627
2.6406208413	1.5590743028
0	0.005409
0.9426398486	0.6130951823
0.0110084667	0.003995
0.2186957427	0.2182562906
5.8533809068	1.9345621346
0.0440726016	0
1.034493266	1.0826472499
7.3522391303	4.0364611413
10.7412905941	11.0835271615
4.7010798291	2.8345042865
5678.5411157583	4733.1656059776
2.6626116669	8.5276277957
3.8244373837	4.4189777875
7.3626728845	7.6488615497
0.1013803182	0.1765991604
163.0580715312	105.2024716238
0.2917942488	0.5647668578
1.0158077231	1.592993484
68.4017817497	37.6685613248
3.4770895398	1.9829157713
56.0810171049	27.3271653299
83.2979911435	42.9248375351
75.1713959748	74.4434935513
8.510762412	10.7576009211
30.3118399929	10.5578894054
0	0.0205830586
1.6912272466	2.0390698278
5.8129570055	5.2864444408
4.1010088515	14.8757599778
10.9133794377	16.4783532698

gene_expression_table

0	0.2299091198
11.1571580496	10.8602304177
6.0976308219	3.5647757176
18.6871863261	33.6001704355
60.9187027426	59.3711846575
9.1148829973	3.1508119175
13.8370358501	10.6607426893
18.2866672714	17.5338023664
24.8698993141	3.8391743175
0.6491107624	0.4266042311
22.2943660571	23.0661804097
1.0196193604	0.3792762828
0.3837705055	0.480490092
5.4254885024	2.3238076968
2.4833498842	2.2959198866
1.7482099223	1.5319291003
0	0
0.4369483803	0.8721407332
2.499591722	1.5597970166
41.8024026005	27.6408531469
0.5247003159	1.3182695787
0.1144862745	0.106836988
3.9814452204	2.8617219512
0.4663764264	0.527280862
11.2462406105	6.3626544164
31.0618276091	23.3976448282
10.1955930302	6.9865432214
17.2489999538	16.9085009171
0	0.0313411688
0	0.0245591608
1.0175179425	0.8434825536
0.9784749495	0.7682945116
105.409323424	85.039728217
10.0186702065	8.1504355867
80.7798102042	36.4300191703
1.3511427939	1.7862290046
0.9324635246	0.2537972214
0.004363	0
1.0894358086	1.2468380908
137.4138309972	130.9514598505
20.1530441819	5.1458949847
0.7030794525	0.8683125032
0.1686941186	0
0	0.2271892858
31.0856572808	9.1366592455
25.0264599541	7.5648582271
7.1531419516	4.9951097307
0.009601	0.03135747
0.3486600912	1.0956410261

gene_expression_table

14.5457864239	14.2296693075
2.1188872146	0
29.1780816235	12.8980348312
19.875550026	15.5559551286
0.2652842394	0.2508168992
34.7985772489	17.9400417373
0.007126	0.004364
0.0279424555	0.0253511884
7.5281743165	6.5465315527
7.9562146013	6.3743026349
1.0755916215	0.5875404505
0.021594426	0.003918
0.189846517	0.4306023529
5.0709665919	5.8221613662
0.6557555854	0.7525846328
0.00281	0.004589
0.0458649106	0.2473998148
8.5347797303	12.3271071661
16.1866204139	11.5592902854
0.00685	0.0205076172
10.0363745559	8.3958389081
0.0763807781	0.008316
0.4094788845	0.3636843482
5.0663555842	7.7196959698
8.9187752874	4.2665249163
11.0601365274	9.3558757437
21.1352346144	16.3667306521
0.4830052225	1.186013339
0.6125673583	0.7227047834
43.9134105722	54.6573153381
2.5568355487	3.869784453
0.0352983317	0.0106749705
0.004631	0.002521
4.6825125523	4.3597060118
47.8730052554	18.2637106095
0.0152803709	0
10.1164455164	13.9953074419
0.4644207539	0.0252811384
64.0524570405	36.3884873222
0.028610339	0.007377
4.8144285623	2.5159440928
9.5784393744	4.1376445039
94.7190645602	70.693873107
0.0369288305	0.0458337517
65.5762501821	85.1128208225
0.0332536415	0.0362038047
2.4086262427	3.1484450505
15.0182085316	13.8772575941
4.1593546948	2.1474697577

gene_expression_table

11.1899301451	4.9000688455
1.2209402007	0.6646291728
25.394891679	22.904346438
0	0.4088109847
12.6885813043	15.6624422891
1.2882332249	1.2376951711
0.0547835369	0.1789313029
0	0
7.5966851042	12.3352307254
0	0
1.291597853	1.3945631725
0.0102467372	0.005578
0.236162931	0.3428194618
2.1678816305	0.5244910161
0.7641313694	0.1733172516
15.5541387777	14.4764645774
17.7373565387	17.8611291424
92.1297719236	90.6042163131
0.710286808	0.2004855271
0.3479973788	0.05412438
0.5662963022	0.2901347802
1.568242065	2.1658327301
2.699766584	5.1534117709
44.7496645262	25.4795058734
0	0.1219253198
0	0.1332195591
2.2553817355	2.0357335481
0.6280742892	1.9724860164
0	0
5.0622779975	7.39043852
0	0.057330603
7.6482232811	4.9203526639
22.4026959019	17.5127277591
29.5016962753	13.8736227879
5.3655413157	6.6226943179
7.6231984352	23.4369688897
7.0076948723	6.6275565538
1.1871258206	0.634254953
0.0987188232	0
13.7049060774	11.865560063
155.7111204528	157.8189894201
43.3730076567	54.6848840627
352.3003633275	78.6627103277
0.2856373607	0.6997010597
0.7357658867	0
1.0271094257	9.8544149771
0	2.6515934705
0	0.7526204857
323.6514359797	316.0385486098

gene_expression_table

1782.6501880032	724.6846171332
34.3438826344	43.9658402825
0	0.0317544367
3.9946147786	5.9699977658
4.2347068601	5.9388168922
0	0.2392415161
100.743985642	80.7046905142
0.2491660605	0.2622289469
38.6914814119	49.0923591108
2.9481470459	3.2536662533
4.5123750577	11.4204310954
22.6190659082	22.465150243
6.5932844918	4.6701677976
22.0971684845	14.2415122569
1.2228391814	5.1686766275
64.1113543995	80.8887010406
1.6485640892	0.9219964418
249.1174270496	72.3396485159
0.4753095491	0.2587387918
23.3270558966	12.2386148064
0	0.5073022052
6.1280096826	2.8416364906
50.8971626116	27.0751798732
18.7005196785	46.8060299722
3.7612654929	3.7453844469
0.7676266558	0.6390862594
46.585506761	41.3045520627
0.7971551988	0.5966650332
0.8574940652	0
7.9228230229	9.6304993155
106.2069124326	48.0447664587
315.2785540482	65.073277399
0.9013340112	2.6396906934
0.1536806795	0.0321759168
5.4016760751	7.1213981543
10.1751919177	14.302070555
6.1048842181	6.3027071688
0.2708363926	0.5307555299
558.3491545316	380.1424839783
97.8538350893	62.0220339384
1.4613128028	3.0228165564
0.3297790967	0.1305585843
12.7445439298	10.9191803584
22.8094524583	26.2331208114
4.9821027156	6.8349929294
0.0711405633	0.3872597013
0.4646258415	0.4268076043
17.8828921275	18.61046407
78.3172763253	93.4660298072

gene_expression_table

0	0.413832507
235.5157801136	210.345908788
20.2976474534	9.8948031608
149.6218655146	69.5640716145
1.2973430555	2.0771168116
1.1793146475	0.7489649407
7.5012690858	6.6271242138
7.2561739172	3.5549639356
21.5407346723	15.3739341164
0	0.4034830501
82.191108794	46.4933518638
33.0336127487	5.6361893075
4.6231833925	1.3360095559
96.3336568796	127.132972504
59.3430865702	98.0864280212
51.3241569754	34.1683250898
0.7463610825	0.2031439986
15.5489441083	7.9939665219
77.1223811805	66.0429365474
18.9483717681	15.811766693
53.0236323719	24.3307578536
116.9944284923	37.9318192273
1.8874817042	0.4794844618
4.7157903197	1.4261558507
4.5198726113	1.0094076151
1.4056716339	2.4868652188
108.5653027486	109.4415648967
2.5300640763	1.9675169688
714.5995410595	1666.2408433163
2.2502341968	0.349981173
0	0
0	0.003262
4.4888214479	2.9040391617
2.5938865159	2.581950474
0.1957722294	0.1065702766
2.0689362005	1.9504284918
0.5161550582	0.1525284127
3.9085304913	3.2471739949
0.7842380599	0.5158455375
32.5604866833	12.2670099186
0.5542979519	0.7887170786
1.0322924713	1.0073751855
0.1917816167	0.0476599349
13.8492090075	12.2458859981
6.0099857049	8.1067996096
23.506153346	22.3176298
16.8172693556	8.8967467547
4.1857433195	2.2785449427
6.5923042877	8.9470300491

gene_expression_table

4.3204757243	3.3789778581
9.1942457758	5.1285452155
1.4307471892	1.0459775378
44.1705278815	22.411217327
265.5491320612	253.4547477051
0.3533646604	0.3297549523
2.1783544886	0.5929028878
2.5210767464	1.424157079
6.0093198458	7.4302381254
3.1036732094	2.7486072588
3.5350590879	4.4057245356
92.0430672288	69.9181246918
0	0
2.2162025423	2.3994868878
10.0473344832	2.7426025466
0.007017	0
2.2197156498	3.5674241267
2.1227809755	4.9871271921
0.2905908818	0.7347976988
13.5262931558	6.4723020508
18.6741742775	9.4090878968
0.6317536566	1.0757912171
7.2709137204	10.5166021316
0	0.7044823981
2294.6374877439	2123.5908732244
56.1108992071	35.2408323988
1513.9727235925	1349.3027530382
112.5496544518	49.2251553607
15.7973479087	6.7770268038
3.4238220886	3.3956660821
0.1752173624	0.3147574983
26.3065340408	25.5740175189
5.602272012	3.9451748634
553.5686011947	292.543601439
3.3931748534	3.5166010154
1.1050591328	1.9399933603
1.296302237	1.6902854225
9.7030232614	5.2436483546
0.7426798204	0.6822293696
0.8778081028	0.8673440061
0.1683651223	0.091650985
2.8954291349	1.088681931
4.9319749979	4.6494737509
0.7999644308	0.801260081
15.3885002886	14.6995698055
0.2510641872	0.2821551972
57.9377770431	28.6568598995
0	0.0805920773
4.3571351654	0.8964448065

gene_expression_table

96.8142575369	58.69562978
0.097980309	0.1688986435
15.000183414	16.4510351483
0.4312282645	0.6478900452
0.1741838688	0.0406364867
15.3829539879	21.1237569982
53.8175235179	35.8429316115
2.3472285956	2.5299129849
16.5395491297	8.5167714529
1.0287810587	1.1691764843
25.4901161061	15.5487254228
84.0874574305	63.4276078154
20.8460252327	5.9890696769
2.751687446	0.9532119181
0.032631307	0.1015035958
4.9303088972	0.8569503659
2.1838147048	2.0527534244
7.1040032158	3.3805326878
41.6057855074	16.9786435941
17.715285834	16.1430920599
5.8206964061	4.1677549322
0.9459323541	1.8787852021
1.36528037	0.8439751189
0	0
13.3763504214	8.1485094713
0.4593091529	1.206389154
0.6637811714	1.1477697488
6.6527308135	4.7596470052
9.3390883527	3.587444765
8.4850420806	6.0897291743
0	0.003609
15.816833129	10.2385158609
42.5808448819	16.6107394087
2.471561714	3.2609226048
9.5888948894	6.6802575831
12.215691564	13.209569982
1.5420870734	2.5890846221
0	0
0.3626201413	0.6391849596
0.4180487993	1.5474652294
2.5615899242	2.8494735802
6.2230387327	12.1296646885
0.003822	0.008321
4.1922190075	3.9991615724
13.6084967604	18.1971858585
4.9711375982	3.1248792407
0	0.0317230712
0.2774137179	0.4140665721
23.6813774657	10.7132006693

gene_expression_table

0.5023885761	0.5692838369
0	0.004242
2.2492368307	3.3047726562
2.8100849624	4.7403692614
0	0.0101470627
0.0117708055	0
1.0443128715	0
2.2164149574	1.9365222202
7.5245319144	4.4150493397
0.0520924516	0.030822792
1.3742639056	0.7003416661
11.8733868197	8.0915584489
8.8169603047	5.5273935256
1.1395074563	0
0	0.0284968624
0.2354494744	0.9541464196
0.3779879535	0.3215014911
29.4989305693	19.8475709276
0.3334625257	0.3012512006
0.5605462003	0
0	2.3856791617
23.7061046691	13.4450338571
0.1735010748	0.1476804264
0.1541698836	0.1296154708
1.3989078209	2.0125551631
13.4488300223	8.2781454689
54.5348551923	17.7506977854
3.5791161352	2.2879380907
0.1300963846	0.1112871138
13.3945922087	4.3227941929
12.1862451879	9.4741262417
8.8206975768	8.2037757287
34.0670374364	45.6229313944
0	0
3.5348423084	2.2092912905
0.2144897241	0.357575368
5.5124618477	9.2023167037
27.772218992	33.4033658539
1.5606502443	2.9287229479
0.3404093466	0.3706094406
0.008742	0.0808967441
276.8955487905	218.4252673451
3.9283682294	6.7195351873
1.9508254969	1.5652677463
357.6309828195	463.8773839135
24.7460010482	25.885600815
0	0.0196941128
5.5869879689	2.1322328493
0	0.0339605212

gene_expression_table

0.0718580261	0.1695049507
13.0087788831	8.9501524767
5.5468429018	5.1006884106
0.1819418082	0.2575080801
1.5176776649	1.5228896175
0.2700295703	0.1252161665
0.001502	0
2.000332005	1.4091617605
1.0927972767	7.2574564951
10.9560128102	6.5285298395
2.9662688796	2.756828216
1.4914814039	2.2733216114
0.9926385454	1.6710283603
0.1484413044	0.0991701229
281.7941608976	62.1942637033
0	0.0676749274
0	0.1410352597
0.804474374	0.3308747485
36.2259609677	23.8372534464
2.3376649913	1.5849448066
0.8133127893	1.4814551657
1.7737702366	1.6301778835
7.3256412045	3.489303157
3.4329041941	1.6079774654
0.6147041686	0.296377216
0.2496531143	0.3300447857
6.038698702	20.3850142029
1.1567497351	0.7034779396
5.0276784085	5.216132152
0.0886788687	0.3218206381
113.096283406	304.2280380771
104.1333558103	151.7818566343
0.0553037811	0.1003502772
2.6168225099	1.2036384728
30.2404597416	18.6625268235
4.7637979704	3.4911625988
0.7123830345	1.3572711531
10.1089122834	4.9787892222
0	0.0589152075
0.1510075663	0.2055056296
30.385160418	28.1958459355
8.6045203218	10.353980923
1.3137919349	0.6051470642
6.2013407791	7.7578615129
38.6819807231	41.6193181465
35.9135480832	118.7901602435
11.2263576947	9.148075263
44.0965065704	27.4334949088
23.1229074255	32.4351703553

gene_expression_table

35.7316928293	52.7951659368
0.4045679613	0.5807835594
0.4837247094	0.3830104085
0.118101548	0.2279357878
8.892693929	9.6450235004
0.0645027836	0.0175563192
6.8718841442	5.0690124218
2.6626526763	3.0503089986
0	0.0260735297
116.4269425735	69.0269037774
7.7623054312	3.4572083881
1.9217264256	1.9178648663
6.9579749891	4.4189049428
0	0
0.460179032	0.3020763829
3.2301096442	2.7310350446
4.4203654943	10.2132518176
6.4076448457	7.4222585239
0	0.0828503095
0.2630938563	0.6265760209
2.9560367489	5.5302755505
75.2180394721	52.3550225081
8.7955012762	11.2717438083
1.8615240601	1.9462493525
557.4337804831	170.3565316331
10.9985378801	10.8451400814
0.1180461369	0.578334759
0.432189305	0.1454371145
0	0
0.177113732	0.3570865368
0.010999145	0.0508935636
7.2625139556	6.067735517
8.0703073623	7.3157735316
0.0106675983	0
1.2663490225	1.6525462175
0.6516175999	0.8867839435
0.0248402304	0.3245277714
0.0236431815	0
4.0817028645	2.8409491379
0.2121498143	0.1603966029
0.7425436127	2.0104125221
1.622604234	1.6787237981
0.5267508007	0.4910444321
2.9398691942	3.595989346
81.9411428795	61.6351983113
1.1273893663	0.7720792021
141.0562171297	55.6869848764
8.2907938756	18.2913932075
0.923567179	1.4547074126

gene_expression_table

1.4263622057	1.6146095987
5.6136297122	0.7684243418
2.4091763498	3.097681517
7.9692952789	6.0971561808
0.0278137429	0.0302812945
0.4554429896	0.5154214907
3.7358975055	2.690936532
4.5964321984	5.3974020782
394.4388262295	211.7955039184
10.8088582259	4.4603711212
0.0117623179	0.006403
0.6364919537	0.8694681857
0	0.0382713954
1.6334443504	4.2079471654
1.3812693848	0.7103109416
64.0841494903	57.9298294417
52.7057763696	45.3154344788
82.9657488971	55.7418569586
27.6805352929	19.3327009856
3.8763186914	2.8054831934
0.73628272	1.5971342659
357.0424064505	514.1904451541
4.1450238398	2.3906872187
4.2596972388	1.3424645399
21.570175312	12.5360469355
12.3770233841	11.4965923602
2.2922553769	1.151823408
319.0744737183	271.4309420402
0.3393244177	0.1086553706
5.1302075738	4.763970027
3.7815843061	1.9707704448
0.7168344603	1.2661229096
0.2091511302	0.4383348004
0	0
96.1016232198	68.0843550187
1.3074266877	1.9955757301
7.0616735131	2.1382706018
0.0216230508	0.0353120743
25.7750469678	15.9063661814
7.1510830773	6.406397775
0.061632883	0.0671007671
4.7559008535	5.0939001681
5.1010560479	6.238297609
1.4009772567	0.6088770445
0.0276538286	0.2483843438
3.2986438558	10.162019528
0.0205937546	0.1149064492
2.5697278204	1.9855759513
0	0.2518048804

gene_expression_table

23.1748897036	14.4217186064
22.8327167214	24.8954687594
5.908983624	3.5530704498
1.517773522	0.7889961155
0.2093488038	0.2051294404
3.2416445977	1.4116934251
0	0.2724758276
5.3920714194	7.1259475988
16.561917748	25.5929437587
233.9744746112	66.6965713941
2.0754076791	1.0490682476
0.5342095322	0.7092719466
3.9560464434	3.1081551495
5.6794992977	7.5139654532
0.7010783497	0.9438358072
15.2435169138	6.1535270251
3.8143868748	3.2807023725
2.5749774776	1.8376087623
0.1262301604	0.155752777
29.6916480209	27.466367532
0.3117467313	0
122.8329912519	34.3937457849
7.5313092553	7.619313594
2.9573101068	15.9194980877
65.7757197785	4.4938167245
72.4807421742	33.4275830654
12.2740077088	14.3817945053
11.3409052849	5.3978710039
14.3024886984	11.3741433943
27.8224174801	35.4989564672
0.273955723	0.2137531801
762.3205410697	364.4847979031
0.6177888672	0.2718029937
6.522213316	6.2227830634
0.045490303	0.4952606595
843.6053854234	294.7575760424
23.1994134068	20.3102315397
14.0592776943	4.4528216881
0	0
0.1620679633	0.2205576824
0.7976290419	0.7499751622
95.7492348437	72.1649721386
5.1428952	2.409763946
0.377871433	0.9667783692
15.5557418662	13.9993512428
1.464997293	1.2231676048
193.3605435893	63.962419296
3.664354037	2.1535939407
1.6438698803	1.8642802865

gene_expression_table

16.7909812506	32.5651803343
0	0.3167394938
42.1983376202	71.6695937821
23.520384903	4.1459021604
24.9323511373	22.0347639165
0	0
0	0
22.5328302805	4.987249365
2.5585627867	3.1093325203
4.3795310413	0.9192677083
2.9307855215	4.505522135
15.4084461869	20.5006417587
8.6978908187	4.7685102334
0.0109084852	0.005938
0.0913943284	0.1641792216
0	0.007086
2.5065670378	2.5878834923
0.363485531	0.4353061622
6.4770267734	11.0109767004
0.2259402969	0.5141087354
0.009343	0.022885763
105.9714608053	82.4092359174
3.5090633418	1.3981134574
32.4943677549	43.7538337265
1.6038799055	2.2541484182
0	2.0354760505
1.4173404791	1.5931827528
0	0
7.4478235099	4.4030417988
0.6151097445	2.1684890185
0	0
0	0.8240923592
7.0683860488	2.9160680543
0.2199427912	0.1962204419
2.5328853366	0.334253977
2.5555227363	10.5327696219
1.4125124591	0
67.0547980866	64.198608913
66.9732040319	40.2671074219
2.4296773874	7.1503902149
0.002451	0.006672
0.0492603072	0.007219
1.0589476963	0.1894040723
53.9319572233	34.6261138701
0.9078043296	1.9766840022
4.1799271684	3.1657445168
157.9540896043	102.2717908735
0.632831239	0.4345836785
1325.73207966	714.5439267535

gene_expression_table

0	0.1191314268
6.2047316984	57.0055897004
7.2087413125	9.6501800049
2.9378455278	3.904895633
2.8101971109	1.4540242464
82.4300190877	76.9718487063
0.3423254335	0.2333700901
0.4196575018	0.3302507488
0.4603282309	0.4821010256
0.730357644	0.2069575726
14.5052178398	7.7937141097
0.1920223315	0.1866589068
0	0
0	0
0.0856814386	0.009328
3.9081219672	3.4253145257
2799.7305715413	2877.5789771994
4.9612944311	11.4848918234
5.914467198	7.1631125366
3.2408735486	1.5734730484
6.7397202576	2.1741179203
9.6892098997	9.6060396605
127.0574173055	67.8839553862
3.538109182	3.0093746828
0.7762681446	0.9625163657
53.1165981422	38.7671767356
8.2544218455	7.990292824
20.9528954429	9.7592621891
76.589278835	108.9204145877
8.831067316	9.8523483698
89.2010814666	34.9105250419
7.9885903287	6.0995208092
21.0613890897	18.3866024087
17.4699483582	8.3616588626
138.6615423772	99.1682798691
1.8398282646	1.4593666744
0	0
21.4809472049	30.1122512293
0	0.0858108008
2.2372936884	5.7114833399
28.3815665741	10.2078685049
25.8471802456	6.3465277128
0	0
2.2673967159	1.6324304327
2.2306373922	1.3095842602
9.5802260729	6.7276756936
57.0809279438	22.636074635
38.163300295	23.0248920453
22.0768122113	14.1823792557

gene_expression_table

17.604355739	23.0183528512
25.5933077146	15.4668086665
5.9008956216	7.6923800835
39.5130580957	25.8787796464
0.7989812818	0.9122030371
0.8074941773	2.3372062697
33.7687352929	25.7954870209
4.0571152365	2.5152647574
0.0687197521	0.1122245429
0.6619256548	0.3446585566
0.0779568939	0.5941109662
0	0.0369321763
3.6886878751	2.7465317469
13.5490799143	15.4859476295
1.1046282082	2.0330131592
0.4382444393	0.4988116309
7.7480507667	6.2756724222
0.8051233195	1.2737388119
39.41754419	27.1083436598
32.2369108903	17.7917891027
0.5428913841	1.5682661347
4.0043585842	4.9045648969
0.4335239221	1.0855651812
1.2507731524	1.4319306667
3.3768618263	1.7941941251
34.2746938706	33.0098138024
0	0
6.78644874	6.7533097688
0	0.0440928588
32.5215241249	4.8281912719
3.6513199055	4.3065252019
10.2261217829	7.0362788244
13.4803303316	12.5014553311
0.763800672	0.842223833
0.2035589297	0.3878316157
0.9630450324	0.846852052
3.337586012	5.2625806091
2.8786462873	0.4352821019
53.2594584887	56.9139276741
11.628384981	7.4255888559
556.9822136963	1005.4534199692
0	0.1933640073
373.0288947159	207.8145123263
20.6068305221	13.7952628888
12.2943774569	7.3411051145
0.035662203	0.090005835
1.8784465456	2.6937617023
2.6920068597	3.4326105784
58.0118924594	29.0867522475

gene_expression_table

2.3026063117	2.1438985144
0.5761012407	0.6272112112
2757.9985243791	2399.2085018163
32.706241532	49.0709541145
0	0.1366605081
0.266103891	0.2736167268
0.1239202895	0.2698282502
0	0.0966452967
0.0766236747	0.0556143312
5.0131009392	2.0092078488
6.1234059247	0.5882343611
0.0653019624	0.1777383905
0.2148550578	0.2209209998
36.5554570296	30.4953200018
33.7787822493	24.7392123406
0.4118557408	0.726942346
0.049117465	0
0.0645633098	0
742.6050206532	329.0689282421
0.0221520113	0.1929381689
8.4825159585	15.0939336649
1224.2320972662	811.045215439
5.1221377529	9.5810019637
46.5750170552	32.064174123
3.0603063236	4.0392090949
0.2613047133	0.2006996497
5.658553863	9.1210568906
2.8979078378	2.0213939052
1.4560010951	1.0779177324
0.0436484222	0
4.9757628091	6.046763729
9.2838359411	10.9435383772
0.5472322562	0.5337205304
11.7096172204	13.8307089244
7.6280859961	3.2767958144
3.8375000245	1.8947892683
0.016119643	0.004387
0.0146436356	0.0557997123
6.9397962811	7.0615881754
0.1856383658	0
43.9165932837	18.2172597123
3.4582801943	1.6704265518
10.7623294347	9.0724467749
13.8300810229	8.0202499169
16.0025312587	8.4709346928
2.1508015188	1.8456472757
0.1728478533	0.0276738817
1.0390128546	0.4054725559
39.7806892082	26.5893204719

gene_expression_table

0.7533044356	0.9672248313
0.0604242737	0.1233467505
0.00133	0.000724
190.4837971003	187.1620166736
21.5263833522	19.131939821
177.8863123414	108.5109578556
2.3786036143	3.837638793
16.3287061868	13.5855850414
2.1687327815	1.4616557647
0.3139690637	0.1772417917
0.0210559591	0
0.103534084	0.1083839584
1.2361113872	1.1432225328
2.035692941	3.8019640138
0.161446251	0.0680397202
0.8091868625	0.9753657197
2.1162182114	2.1330946809
1.7057760413	2.3651259907
0.096615168	0.1413444606
36.2249871195	38.4527901162
0.0280572058	0.0254552973
0.0510923721	0.0185417112
0.639092879	0.1559532175
0.006651	0.0362040335
5.2615758277	4.7107307601
4.4888621787	4.1357246161
29.5260857463	18.9743728167
1.580631883	1.0950932317
76.6931161858	74.6596053007
0.2664738167	0.2079154438
0.5010457961	0.9014570276
51.6350527928	18.8464592172
60.6933616488	31.7573450762
53.2121797721	17.8887570971
5.9186702047	6.0590549346
0.0397561012	0.1136182504
3.0339111521	2.8406407421
0	0.0773351593
0.176089311	0.3972967039
9.9125390659	3.989167135
22.2203766556	20.7155576333
443.3378969951	203.9966813872
5.0289120684	7.7587777452
9.7198938134	13.4270894872
0	0
3.5721339921	4.2004206074
11.0411325543	15.9974312078
0.9991660712	0.8260232514
0.2112817162	0.451836776

gene_expression_table

128.0723153467	107.6598868332
28.1262805465	40.6003974625
215.5587972554	283.8965407431
0	6.631692701
1.1860471872	1.3212992572
442.40167942	476.0673838698
2.353687821	2.0618790827
1.6128117058	2.692203958
30.677521635	16.0797165537
0	0
35.8188730659	25.848901836
13.3330806722	6.2493144733
2.7877947612	1.3584607587
56.8547609071	45.5838519783
15.3737089234	7.5543264488
0.0338538955	0
1.0599433728	0.9066972852
35.92815728	36.9231732406
19.033754414	18.3360660675
4.415465501	12.7281342333
0.1033257275	0
0.0505924179	0.0688510314
9.493649294	5.9595048634
25.2776861031	15.231858136
10.0580076475	9.4010818941
3.2673340641	3.0374810323
2.7020422206	3.6513941999
49.7286050311	66.5697879834
0.008806	0.0127829705
11.9344260985	6.9475637391
7.2495916549	2.5867007715
0.8242501135	1.0068110946
107.0288077656	83.8330286914
1519.0690748901	1924.6520142283
2.8197482364	0.8642177489
56.1280184188	27.4983873778
2.1527605665	1.6104273957
2.3805661004	5.785026796
23.8123981917	11.4288327766
0.2768433334	0.2341677555
168.6526893552	302.9367551993
1.0898854862	3.1071857311
4.3904296349	4.8184832214
3.793627048	3.3208366107
17.7565725483	16.6923368261
20.2557955906	6.6460580221
52.7732695291	35.1643307477
0.101407828	0.1825919347
0.055261311	0.1969001292

gene_expression_table

62.0296050715	49.7374578186
0.1290026015	0.1404473246
0.0332268626	0.004522
0.3392344978	0.4206262465
0.0255573557	0.0788367277
19.9151002295	9.5004960365
15667.5461607125	18670.9143107587
23.3105997925	29.4789764572
2.0065857944	1.013951249
0.0462644103	0.0251844248
0.0106585747	0.0232083429
0.7588497786	0.3614505344
1.2021941772	1.4297848416
1.1825128172	1.7397591892
0.0357495572	0.1362240266
0	0.0150686466
217.9111659924	127.6181448415
5.1610244807	8.8661785685
0.6824789896	0.7753319731
21.2091381454	35.3295395883
7.8900115206	8.2635292139
0.0335998345	0.219484265
1.8106441856	2.5517112735
18.4991139226	15.8119019623
0.4067593114	0.6981599206
0.0324225823	0.0176495082
0.0810325948	0.088221563
20.0510987601	10.4000545535
1.5840892884	2.2307648534
12.9154169679	5.2729627278
4.3949091839	10.8412639427
0.1708721426	0.0930157027
0.3528320651	0.122224539
0.1258471644	0.0342529866
3.5816258029	1.5318980595
10.2364904196	8.9985446569
1.496335048	1.7899827189
4.8750345787	12.8355644842
3.4381730493	2.8336354361
60.3306205079	6.5116739305
28.5251577909	28.7252822808
0	0.6626427184
161.469298534	161.4273364223
29.1335994595	55.574537388
21.1609602434	39.589494636
37.3365939672	42.2071954267
361.4836730508	215.7080186209
101.0203724094	81.5049596896
3.4448728296	10.1704507306

gene_expression_table

2.4977252228	1.8128772647
25.3578244959	18.3678894632
0	0.490825426
135.6338534175	68.4831912865
2.140297799	1.0280199646
8.5712815493	10.9758565317
2.9090675386	2.7894784169
3.3110809563	1.7156131952
16.4723046216	10.1813092798
3363.6377792423	2286.8163890884
1.5310293163	5.5958792043
9.6904756756	7.7143274043
11.6609765655	9.2408288506
0.913777848	0.3136900137
0.1015619199	0.2329913965
36.0468314288	53.8848766912
0.9144317904	2.1902263466
0.3776063057	0.7944631222
48.881854012	35.4277924163
5.4824839614	3.4260798333
74.274987644	44.38914802
0.7315809469	1.1409103866
2.9437472029	6.0018103703
0	0.0165312427
6.8935581954	11.6592671453
1.9988875575	1.3392140636
24.5469144039	9.7450465407
0.093885653	0.0766611795
3.8467529574	4.822574608
152.3932900322	95.839333295
18.1562013567	19.9298795145
0.1764752127	0.4611157515
453.9882496887	169.8222903451
8.8061902279	1.4631448206
0.7450398088	0.4258471882
0	0
0.2617176502	0.3287728309
289.3936825009	434.2566226405
26.8567625991	13.9083453475
0.0562528472	0.0656179615
0.0681617788	0.074208887
24.8489515544	32.2325848414
0.8140321533	0.3394151384
14.194631144	9.7626244943
0	0
26.9450251882	16.2819080987
444.827434654	359.3128166191
17.3920434761	14.2048929379
39.8161329973	27.9470333535

gene_expression_table

0.0489147414	0.005917
30.7212238048	31.7943251955
0.2808651348	0.4088181019
125.5726199334	79.7020036077
214.4983040293	140.0416799283
0	0.0460331289
2.9665444747	3.3177308548
3.927960095	19.0450620443
0.631403309	1.402335806
7.2295823499	6.9526894297
1.6193688471	1.7111804313
0	0.258961066
0.1109506715	0.5435724672
5.5624634966	7.3699751084
2867.2689972364	4049.9579258545
0.0620954449	0.0225347887
4.5637055162	6.1724256305
6.9399077453	7.7273135804
0.4723799318	0.4605564712
83.8682182007	66.1811514686
7.1013884391	4.6054340721
1.6113116902	3.0924497791
5.311898304	3.1035250284
0.6183828067	0.510944009
0	0.0100117851
0	0.0133625513
0	0.3077615205
0.8771531621	4.1183148274
0	0.0776418056
0.4426526963	0.8543189549
3.5640834889	5.8960072312
12.7741189203	4.8141001229
146.5088804846	76.7934357035
47.9389326587	91.018528302
7.2170577525	8.1245223436
0.0230493503	0
0.6566248926	1.1300859932
0.0795452648	0.2381562745
1.2611715649	1.3233554252
2.3031270733	0.5786431349
0.6333307487	0.1976233452
65.9831133557	31.7267759301
25.6023320038	13.8508170529
0.7070868401	0.4016438917
37.1354314505	3.6829762564
2.0808428893	0.7183131026
0	0.0477864244
0	0.0312258309
17.4325812138	38.5780221051

gene_expression_table

5.9050799374	5.5914909372
2.8467832734	2.0427476939
39.090571887	47.6383410116
1.9462991046	2.938157923
0.2696502253	0.1304767924
0	0.1141455237
0.113696263	1.0521559567
0.0387409179	0.1054447391
1.4582747304	7.9382424065
1.3168275569	10.991336138
34.0319352506	50.2427308344
5.0308729285	5.396385752
0	0.3267183332
2.1900681034	2.2850158476
91.6952741527	174.8107635883
1.3639485627	2.3042389337
265.5954271039	176.9588279807
0.6722113583	0.3659239647
119.689752238	39.0050249768
0.1848463138	0.3018679847
11.7117293548	7.8122261245
29.3153574077	7.8227748748
2.294357592	2.0718613691
41.5422911794	64.7982596994
14.91681755	19.921975599
14.2056134598	13.638105458
18.3254952127	19.8087689371
223.5490142352	324.8555119127
81.1108313509	76.1576213357
42.8006232525	25.2204403065
3.0426408849	3.6438323227
0.4798552466	0.0993746177
1.7693765118	1.1572477414
0	0
0.3017572456	0.7167888904
2.7686514152	4.4182495225
0.0689042689	0.1125258728
0.1581741364	0.4622394941
13.797663294	14.622235868
1.1753691927	1.2397688097
0.7096286207	0.928745484
0.8986501922	1.3045009814
6.5475492577	4.7835504674
0.1897609596	0.1603431499
0.0291074008	0.0118836457
3.4207864273	4.3277377204
2.0763770782	2.9480851232
0.1994048064	0.1240545151
0.4643213363	0.4376095929

gene_expression_table

17.7405406787	22.726393248
156.8988482976	48.2484140384
62.6413329526	63.99864284
35.7127838609	22.2135655312
2.3165519316	3.6699344007
2.2863685101	2.4326353372
146.8955376492	74.2828728054
135.5927838865	45.3304435424
0.2300148042	0
110.6580898356	111.4623867279
1.750326651	2.3170489731
6.7262085072	4.0855771043
1.7657915312	3.6635315486
0	0.2997483656
0	0.1399668108
4.7340093453	4.0049086976
62.4153942879	27.1451263759
14.6876647881	6.560291389
89.6953798341	100.6597913268
19.3998553836	8.5130368731
0.6300010597	0.6208512957
6.2716353058	2.7098767634
1.2620694338	10.9922915242
2.8217600596	0.8892915641
4.6127066951	4.161029511
0.6777102853	0.3689173524
240.2579028722	95.6541842468
89.5577879489	24.1164547096
19.3101201289	27.8139536622
98.4443161946	48.9822263288
4.844874373	2.6373485324
70.8555282247	81.2357259176
129.7683602203	41.3957504908
8.0130264947	3.6981826814
6.9479798277	7.4354453553
15.2552842226	3.0662191727
145.2236325736	37.5505162281
0	0
59.5130165995	32.1926652298
6.5257988003	2.7404028212
49.9846115294	8.9018891643
20.1458039202	11.6330143244
0.8748089471	0.6802995482
0.2630732992	0.3624906577
0.4838005371	0.9217632664
0.0153526122	0
0	0
1207.3338364115	1099.437062621
66.1933966768	42.4765505012

gene_expression_table

266.9323986408	152.9203058516
37.5733339876	18.703075781
2.0208046674	1.300049863
243.874719403	133.2971340095
1.9788912237	0.8504417783
16.5051966076	17.1906835902
7.4995160432	2.0746751435
0.2690326279	0.3661254925
0.0392006415	0.1066960115
2.2450110549	2.3627089648
31.6580927923	11.6493607236
1.5748957812	2.5272722486
16.1755379426	2.0012026192
858.0440020076	320.6097720235
0	0.1639691353
49.4476120436	36.2459420988
74.853528031	33.3468861403
7.3259448203	7.7226780653
11.6688933604	6.5726189352
0	0.0749743677
0	0.4022887144
377.9490231805	96.3061263331
0	0.0542731157
295.1139026086	236.0823610898
6057.6328982584	6540.7966239736
8.1805549246	2.2265772922
0.2743533815	0.1493465944
15.4856141499	11.451702764
93.1109613625	26.1193940216
0.8512501764	0.4633852667
29.5091609912	12.7939878546
1.1571360268	1.1338142914
1.7613416164	1.6020477004
14.1991176975	18.5812977777
43.6636544134	47.6724119165
30.8555136585	16.3425026366
336.229015316	56.5629354972
12.4488826283	3.5519019512
2.1385065406	0.2328228413
50.4993825858	29.2475506893
63.5537805732	37.366719046
1.3137825873	0.8476073657
10.3889148122	6.9919999212
26.0163664042	8.143282317
7.9692357354	4.0950368112
440.0939831506	429.2496465804
16.4516560659	2.8989221456
130.1780837404	32.0970179048
2.7421878526	2.5025234036

gene_expression_table

19.4672834923	18.4317570916
0.7761090863	0.4928951718
61.6379351142	97.92833215
190.4699400247	159.760872884
0.2002433327	0.0363347199
0.9958781051	1.6263441258
0	0.0970095172
1.020756942	1.0765868226
2.0060730972	1.4269099701
28.2726162225	21.0244388226
100.8770562366	42.6353743043
1.6293383167	0.5173840918
1.0264831395	4.1908111436
133.0415285304	7.4633654054
85.837882212	82.8022493701
7.3438323941	4.9202185418
0.2268532165	0.061744738
95.5459292566	34.2087340184
517.4369894181	328.8070014979
5.7026841084	3.3260405902
0.5156170412	0.2183070693
6.5801620276	3.4172789691
0.4282525818	0.3108305757
4.8509906313	4.8726795868
11.1052722044	2.2453783067
7.2957665452	2.4740569746
3.6022880785	1.4179076593
6.6925445059	5.3946547524
2.4609369978	2.4731667058
3.4219656249	2.2062666867
0.8951956462	1.9360589573
6.5067082455	2.4708180341
0.7609703069	0.884968667
16.5743006927	11.3232233591
0.5476150796	0.423108147
1.4125566926	1.1736410479
0.3554566489	0.7458385383
9.1143784297	8.2932924075
1.5250323247	4.2200018803
16.3658624989	10.6597776706
0.3291768486	0.1717239556
2.7475115433	1.605739077
14.9476573542	8.3772922379
12.6452853296	7.3137915501
12.660803302	3.5022364965
3.6640571182	5.271338798
3.6975968437	1.4933812903
13.7523944774	6.6333708262
1.7092662842	2.6606359874

gene_expression_table

243.2503877888	110.6207251203
1.6115037141	1.2099803309
2.8705217858	1.7781229839
0.751049481	0.0817680334
0.1299425982	0
34.0818454318	18.6483748501
9.8342455763	5.3792793802
26.1144698313	21.4917300917
0.0172939269	0.0188281921
16.5373451499	13.1571263609
0	0.098013894
2.9731160229	2.7219234495
20.6958979507	6.1835873464
0	0.0217670001
0.5673471113	0.8713706232
0.1913182624	0.3853391706
53.267781389	73.7677814099
6.8815708581	2.9679320452
27.7586691824	31.1835707749
16.7449001541	18.5414756663
24.2916855054	13.687718032
2.350415608	1.1620862577
4.4866312958	4.5780107326
0	0.0217763796
5.3033133029	5.2051747797
0	0.1749497111
0.1815126778	0.767661909
81.3871628569	40.1655272175
0.5754216554	0.7517656022
0.2175801788	0.2368832383
23.2353700463	14.9185915758
65.1977435116	96.0609524492
0.2425718995	0.1622280346
19.9021784265	20.0979874338
22.7554479887	6.9944522085
1.5502069075	1.4543262233
5.2750408376	4.3686270758
125.2409776453	78.7152739049
39.8442960889	23.9671051639
0.0968411111	0.1476055888
1.0587973864	0.5525157532
0.0256589493	0.009977
1.7638645733	1.1557658044
0.4569775964	0.3248508209
1.3193857126	1.0714411959
10.0517909148	6.8711692436
0.3330175676	0.699226493
7.2198767604	4.5729911889
1.8769314705	1.9072173764

gene_expression_table

6.5878768655	13.187502728
25.3987982618	38.5244075537
22.5367702753	15.3559670821
0.1768806755	0.4172414943
0.2169317368	0.178922173
2.6304708512	7.1361217118
5.204564909	3.7637455623
0.2666289588	0.1116474918
20.1885611582	28.4486342499
0.3914999416	0.6926280394
0.4054509511	0.137944169
1.7295876301	3.1271772228
0.4709679336	0.523627325
0	0.2351580343
78.7331844681	81.8159139538
0.1859630664	0.0276083387
1302.9207516617	1263.5295597972
158.2631540453	105.4302378627
2.8561503882	1.795052328
4.6290686337	1.6035554465
5.0564194137	4.4635214155
0.0418760099	0.0113977809
0.1781786991	0.2909792665
41.2051200124	33.855557877
5.0556517649	10.8339199378
1.2849614667	1.4343263365
26.5380498906	21.8619356054
0.0666796254	0.0604960345
0.1165811876	0.4653877072
0	0.0179961098
0	0.0153645462
40.7919666072	20.200115313
0	0.4144313963
4.2036166009	5.884134211
2.2142741637	1.7484327713
0.9031488203	1.1219402403
8.3322638516	5.9573880486
2.6459552815	7.1503001938
0.0235806544	0
0	1.7771755582
18.9289399085	10.0379709599
0.4399744899	0.1596692347
58.2519200995	73.6778484939
0	0.1050954979
1.0999950005	1.4670394821
0.0161776407	0
0	0.0205181697
2.8190889306	3.8191278618
5.2136084521	1.9881681287

gene_expression_table

6.7863770075	5.0920357142
4.4832484614	11.0320307841
0.8881360872	0.4834644257
2.9862113119	2.3094297751
1.7237489208	0.8992399814
0.9757293479	1.7173738819
10.1286315791	19.8343460978
3.5703256556	2.5913828109
13.9795082052	14.574248612
159.8343074994	99.8320267856
2.5066817163	4.1085953492
6.1409253969	5.2353863297
51.4458725943	59.4674029243
5.5283490641	6.370227316
33.1354445551	31.772268355
2.070499878	1.5964957871
0.0266889522	0.0508492527
1.1919165724	2.2084027349
2.5147857081	2.2987943813
0.7671842268	0.8613479587
0.002361	0.005141
1.1175794976	1.3079823758
7.3717639712	11.084443773
8.131270394	6.9700629208
0.5905714478	1.8829694311
0.9306015834	2.3341194947
0.1325212006	0.1467656364
0.0152495312	0
3.8690296582	3.558822273
1.033367002	0.588890332
0	0.2550630994
14.7183449545	27.7594180366
14.9720469617	21.9272824255
40.410945439	35.7799470613
0.2691006805	0
0	7.4950166581
3.444556105	3.1604059466
0.819268225	1.8953963838
88.9647234328	149.8998820738
0	0.194348215
18.9137673004	4.4680190317
1.4624064828	1.9442561767
14.3845082658	26.8410772446
112.0726045521	101.0783968049
6.8964396486	12.0298265367
1.981212654	1.6287399136
5.6172439612	1.9558865597
8.9832443412	35.2839911907
20.1328453376	13.9585338088

gene_expression_table

10.2027477902	4.4660648596
58.4525121109	52.679391728
0.8852050331	1.3767682328
1.778141796	3.4387576429
45.1916436917	26.9275253332
207.0670690464	101.904376513
48.3127906223	36.142557616
3.0975816035	8.0937353588
158.9772213484	120.3384193075
56.1777878561	90.275665347
29.2837718812	26.0850600842
16.2773096494	20.3756877929
158.6075829801	149.7149709518
0	0.1408964796
188.0443989549	126.8616085465
0.7992132525	1.574497519
53.9616339252	72.9137139844
6.7020335899	21.2851615078
5.5718193363	8.8969971204
2.5363082796	4.6597307513
26.0578467307	56.4794460785
4.0117238858	2.7989754179
37.8950608176	31.0944276677
10.10094543	3.586001396
11.0147470337	11.0248501633
3.8427509788	5.8571356134
244.9602420295	449.6096416747
17.7931386579	34.357341305
1.2020591686	1.0282660496
6.4697630622	22.1584352123
7.5771774959	9.1005306765
19.6598563276	37.0837085298
956.1580858793	217.090968646
184.1445152774	106.4796750503
46.9001359257	35.834961381
21.4470997004	11.5626522014
0.683234531	0.8612988941
91.5705150562	47.4794465291
6.6368789401	5.7892519547
4.3230676285	0.7303340474
2.0070595511	6.5553595252
14.3845150692	4.3355870665
4.0459885865	2.4073490353
289.2364588259	80.3013490097
493.1790855939	338.3843808553
4.6022502806	6.2008366662
30.8086026544	52.5032620346
13.4831815512	5.2248601139
11.7725770333	5.5289039806

gene_expression_table

8.4757212728	7.9693442716
4.7961816397	8.7276725952
21.77130225	8.5593396585
10.8166175051	19.5605264274
13.4539052266	15.3708283584
18.7405000661	18.9457365525
1.6941517087	0.88030652
8.1968964247	4.2332271307
2.2059264549	5.7817009358
16.6610485827	13.3776354663
7.5464584512	4.7901702032
6.8767661307	9.8748998211
4.712136078	2.1864800496
0.1359887835	0.3701332491
15.0487558872	3.9178738923
35.7603583913	127.3634389228
4.539151117	3.1856559911
6.3702031362	3.3231877804
44.0253017425	92.6236009234
6.1670479464	2.3797057886
6.8054567488	6.1155437085
1.4321395889	2.3387920629
145.2456361543	203.4495353723
13.4919241461	17.1982386498
17.3952632546	15.6847644064
1.0362250334	0.5127980926
175.4030010815	47.5183149288
215.9709394027	283.4884098924
1.2840540329	0.5968866853
1.6992009335	1.3977391937
0.0632108872	0.0516140754
67.7773142115	7.5335660693
1.9933857041	7.4971681729
17.7571861706	34.0753585377
0.3332209717	1.2092777823
1.1318772645	2.9148493007
3.118772312	5.1320699437
8.2186429216	9.9364807729
30.3988971604	25.6556557713
44.4957973092	28.1495029763
2.0236341602	3.462116272
17.6710522993	24.9762268634
21.383434115	9.5805844393
3.9051881511	1.218682642
1.1039557109	1.4874388022
1.1423373472	1.1793536994
0.0506667253	0.248227762
2.1845237786	1.8619806006
2.501403146	1.9219603679

gene_expression_table

2.1929197147	2.0830266097
2.1250092764	4.4342729484
15.1074387823	1.5116374893
2.7455150543	1.6335718394
2.7773429578	2.4110351699
20.2077603519	21.1690513263
0.437872564	0.2156587317
3.7741358956	6.7721845193
0.9057127734	0.5800381696
2.7572491942	2.4569396884
1.0540293437	0.9836054219
0.9035943129	0
1.7097888356	2.7822063065
9.66929631	20.3695632294
0.6934173229	0.3829381569
0.6176952718	0.7841128234
139.659932478	341.7005358207
81.1360987142	68.1076490457
15.0443642366	21.7806582608
2.1147129498	1.829525263
4.2806474686	3.4363176563
48.9377934662	52.4864467023
2.7252969586	3.0564469058
52.7161982367	55.2788125758
9.4230410437	2.531733618
4.5309107065	6.3044043894
2664.2303803326	1737.2830730398
515.8434193785	379.0452866068
248.1547501665	247.8665155693
584.1737912088	620.9390425474
123.6742786642	53.3942180254
22.1979682636	19.6440395219
29.5335877847	36.8650644442
0.2879696792	0.1567587418
3.2915224211	1.5723680108
4.1004504743	3.3998419166
11.8369062628	7.4948317439
1.4561354323	1.6804385546
29.0545389223	22.6136366292
0	0
0	0
14.836551886	7.6622285699
10.7105967611	7.6911717039
81.0637976089	39.8494516739
8.7702928753	5.6422168033
1.4899484486	0.7891453929
0.4739004749	0.035177966
0.2080937691	0.0125864013
0.8442190355	2.3788874634

gene_expression_table

7.2312386117	6.4897177612
0.0702520725	0.010926375
0	0.006451
13.0994175547	8.7470892174
9.6023060669	4.2128840683
2.0711520039	0.9395409935
26.3019657685	34.869939271
14.6792705122	21.2945178685
0.0604861923	0.1119489873
0.4194320183	0.1522142554
17.2156697003	5.3729910888
0.8334387051	0.0553279806
36.216274566	42.6017438772
3.4643724263	3.8915410052
2.888598392	0.9318121952
30.5669690908	14.2202619527
0.0154745443	0.1684739939
1.7366226187	1.6881165693
69.9130374362	70.4402325748
7.0996068064	11.0998677786
2.7412029921	0
1.0251288027	0.959127081
63.4448546764	25.401599684
8.3325439103	7.979465533
0.0652263939	0
37.5926618814	26.8027974861
25.8490604701	23.3805895251
0	0.2969124881
225.174177089	248.0521479765
14.6172432426	10.0538030095
2.871410391	3.167286886
0	0
7.7251734773	4.1654412501
0.653100694	1.1406295935
21.4204858046	23.9137498084
18.9294248827	9.8041800146
2.010308513	0.1367910651
12.4466711535	13.5509024067
2.6369554336	1.9139321291
0.1805947851	0.3932332232
92.0666011009	36.0403139756
4.5091937914	0.4675462772
0	0.4311966896
0.126391401	0
130.1222512334	127.9225601195
68.3482445571	55.9036735215
0.1280865014	0.4415915109
10.8988589485	12.6012547499
0.1693866567	0.0461035329

gene_expression_table

0	0
0	0.3071837971
3.168157838	1.18069703
1.6929126597	0
5.7363132887	10.1006902983
0.4063121135	0.8847178059
6.2214137846	2.4467640136
0	0.1823155148
34.073710147	25.3089139484
2.8731436865	8.4457089677
16.4267181428	14.2466138727
0.565973759	2.7728336238
3.4259601639	2.2737068057
2.0895127973	2.6860124461
75.3769834255	63.7329783023
3.8156753321	3.3530252527
379.3524646008	247.5008030463
23.9049869548	13.0793881359
39.6431325611	45.951108844
2.1169923903	10.3716251643
4.0748338434	3.114877621
37.4136634326	13.660420828
293.3951703088	206.2747607963
0.2487929104	1.7606229523
0.4171703017	1.3171231513
1.5091921442	4.0212297777
189.0129805652	43.4967638228
0.5785119148	1.767603565
7.6482959541	11.8255312062
35.3133168002	21.5328568755
4.0830115337	11.295292244
3.1846265218	1.6582055287
14.4338345044	9.2404868774
3.1437507297	2.4533015498
0.2211929932	0.2344792925
1.1117080657	1.5599879311
0.0127141313	0.0622894084
0.0107085302	0.0174878382
0.2307756152	0.2275465668
71.1773520839	57.8577856501
0	1.2176018295
7.1607896502	2.106197245
0.2848161058	1.4141715837
35.4309517041	31.8657089397
264.2349509498	82.0691674249
1.5299757782	0.8849087725
118.074074464	28.3190182648
3.439989036	0.9362936309
11.5430463412	9.4629591178

gene_expression_table

8.1050783532	8.5217518015
0.9632876234	1.9571116742
38.325187753	12.1726382669
54.7933803958	56.9468870204
1.7061053753	1.1585225559
3.682140049	3.4933902177
0	0
9.5498579376	7.7413135338
228.3774032003	105.7892209074
3.9403002829	6.9594684104
2.291952749	2.6717224063
12.9958061195	5.8665569414
3.3158430446	1.507373148
1.7906084007	2.4589852653
1.3706819013	1.1058895394
10.1150910882	11.1612887494
0.0651176671	0
0.2103953803	0.114530513
0.8233544452	0.2971213406
0.0417285145	0.021379079
17.4934666274	13.3754195826
1.0768407662	0.8206623896
0	0.1118095051
0.1994084057	0.10854966
0.3428987399	0.179480618
4.112713905	3.9768934914
6.7712775204	3.9889615605
1.7043603079	3.7974374599
19.369089766	23.3321490364
0	0.008082
8.0095639348	5.3592578539
1.7446071019	0.7322923952
5.370578839	0.8859152198
0	0.0816980514
17.0000604113	17.645329616
0.1655097087	0.140150292
0.1085245196	0.210048869
1.4384671214	2.1061124285
95.5490296771	45.0899093998
0.0614212036	0.6687030819
0.3090454451	0.1261736355
4.1369613751	4.9737424148
8.4870935447	4.8717937751
4.0173273929	1.1910611109
0.0170038175	0.009256
0.9146874907	1.6374826039
1.6349038912	2.9103167041
0	0.9326182611
0.709825936	0.6481544692

gene_expression_table

2.7921137306	3.6543408736
9.8920464776	11.4559396395
1.4258857043	0.776192999
3.5901487901	2.2064993546
75.5507970255	79.9686189661
4.8539125202	1.7759509756
66.8262941504	49.4308875339
124.22814958	82.0229160911
0.5437177185	0.6179527315
3.6164478162	2.4279943877
28.4885225595	26.0567506287
0.0343867524	0.003744
2.0752371164	3.4759167934
0.005493	0.023921154
0.2958185261	0.2526082498
0.0997010535	0
0.8533172252	0.2681995047
7.9802354359	5.2055989328
8.1846696778	2.5182664482
34.6016088744	14.6998030224
0.4868788607	1.1083350605
61.9080525385	22.1095372945
0	0.0287589557
0	0
0.5804227504	0.4476072462
1.2510832396	1.9700683134
1.7494073764	4.2057525427
0.0166262953	0
42.5378930541	17.4447761152
314.6120504791	227.5254368985
12.8912152985	3.9620010773
0.1040388824	0.1132688994
4.6544445613	0.3931582417
0.0308140348	0.0670955267
5.9948447918	4.8406279737
6.0234709102	7.799873164
0	0.0512874625
31.9384931742	31.6052463703
0	0.0307662328
0.9879016728	3.079970746
0.1081841775	0.1943402217
1.8524987992	1.1899396855
58.0773097989	84.6227058328
14.1010284222	24.3123576531
9.7486633973	5.9584760768
17.9812868259	20.5907014219
0.3954125019	0.3099544636
0.5814161597	1.1427868357
49.2160951737	22.7902454091

gene_expression_table

9.2977691585	23.1111686681
33.8244686814	13.1518835268
801.7355049593	617.0265493189
6.4639665255	40.514094731
9.8855695952	12.5078720944
3.3168185244	2.902574305
0	0
5.0365975012	8.4601480516
3.053630107	1.3808270415
72.8472563493	44.2533666388
1.5532863673	1.4400682022
3.2089550679	2.2447847788
0.9626214254	0
7.2758408357	2.9886342536
0.0866730002	0.0353858881
1.1909249324	0.9031351827
0	0
0.3957168751	0.6462355302
0.3028300681	0.0274746868
4.5103653149	3.357376144
41.7025233916	11.6811603579
26.7279960004	29.6097361604
9.2135996572	8.8585476844
48.86057676	33.7519241393
19.4536038737	3.5299115228
3.236999297	4.1470537892
91.1820796475	224.2490477901
434.3405644443	275.6883021437
5.0615492597	5.9742264616
147.8375801754	138.9679260314
0	0.2281849361
1.4803888004	0.9961352473
0.2748072135	0
1.6078206423	0.8580694397
0.1329697386	0
1.7567201092	0.6552326701
4.2379729606	2.7925206628
4.2318560804	0
8.1802746246	6.1112813916
2405.8042689147	2755.3514011547
7.6906187078	2.4532085035
9.9501566679	2.3532152445
33.7190680121	18.6983501817
11.336523387	3.1531335646
24.2728057058	10.570486428
1.1198991144	0.1016044331
2.6466208588	2.0581579331
11.9771809079	7.0081531653
2.4472205101	1.4697258241

gene_expression_table

0.1563278744	0.3723055297
0	0
34.819154217	29.0447757133
8.8272912772	8.131895561
3.733924402	3.6586682565
18.2022644097	6.0634455109
7.5693900575	13.6724414136
0.6202467388	0.3001214068
1.7851968738	0.6553912914
0.1452353262	0.1251784662
0	0.1319687073
318.6607854604	198.630720132
1.0817977012	0.6916630044
23.8229177249	8.7370551809
58.9091723617	26.5761981929
14.6239182452	7.6621296271
13.2280314216	6.5257171198
1.4459752295	2.1773001102
20.8304339338	15.1945597723
2.1861936217	1.8003020337
0	0.0537157505
84.92694196	52.1645479225
5.6351469502	2.3785738936
1.9551117227	1.7871899894
2.3104380963	1.8737261738
15.7723205696	9.1862914326
9.3333926779	2.6676092504
2.3808180427	2.016028827
2.1314666356	2.175528702
23.5898735161	35.8487634308
0.2776475044	0.2267096674
2.1446090868	1.0636640746
0.6069679483	0.4038321957
1.0236907923	1.2623526677
17.7988806712	19.0075073854
0.0696254652	0.1516048545
0.3956920715	0
427.6835979293	173.127643241
1.1463774439	0.6240403025
1.3669375737	1.2370436968
0	0.7747638683
27.3403036507	21.8404986225
18.1712711886	5.5299976152
5.0961283887	3.7601826833
8.8378953538	4.4044214523
1.8549577692	1.5415301897
8.049808124	5.4604323334
60.2023041401	30.2487604643
0.6005991267	0.7229259672

gene_expression_table	
0	0.0259868143
0	0.0239792418
0	0
0.9093735678	0.6513489852
1.6122819705	0.367392303
1.6542544512	0.6217789653
22.5446703009	14.8456244071
918.8216423258	590.8881449469
5.5834783766	11.2433603538
5.1461187212	5.9174956659
7.523383754	0.8190835747
7.7238283014	10.0038854506
2.829901532	1.7723813023
12.0014572087	17.4310968251
9.5894603079	8.7472016348
0.8807358077	0.690222547
6.9253301973	5.3013689132
4.013906411	3.7099548128
7.643485546	3.6377583511
3.3533118902	2.1841537048
2.7647611568	1.4771504647
29.5399451781	6.4599126354
0	0
0	0.1598802055
5.1084309911	3.6498233848
76.4709888613	40.6389762967
30.0885831746	14.2991059598
1.3151815225	3.3111773463
10.9789066226	1.4941152773
0	1.0264232789
345.5137898079	172.0659451038
0.3244357749	0.2649140563
0.3865338788	1.7183728442
0.0650255071	0.3008760923
0.2902069281	0.7108947327
0.3817653186	0
120.5222303695	70.1319415869
41.1498513173	69.9459449371
750.1773988152	570.579119994
2.6469062088	3.7462513032
104.8235714167	193.264586049
4.7151194148	4.5411117172
4.2927181477	6.5429772785
19.5903828518	11.435323371
3.3663632813	2.1461810753
10.6097664289	3.8722212952
57.7972148899	71.2719787539
177.3111508124	64.886443576
7.7371864054	4.0286812869

gene_expression_table

14.1878060104	6.7674046438
44.0664288555	16.3788588342
0	1.8205473288
0.0126590613	0.2549694999
37.6599826586	25.9221597435
0	0.0163182731
0.770961977	0.6295195547
406.4055429951	166.4734485232
15.3634016759	8.2283079527
2.6978082513	5.8742993808
0.2599558279	0.1415091638
1.49011479	5.6105001462
477.1182849674	602.5041616899
119.6305717736	86.2814058978
0.2599815216	0
0.1725111031	0
0.1481790322	0
1.0291606306	0.2801161671
8.8954951954	29.4338216213
56.2057190014	56.3389531979
22.2839488986	33.4054121678
73.5256649325	15.0890409413
439.4376356907	646.0418091319
193.57759158	222.8862054674
19.4742902925	26.5024884906
2.5576304296	0.8701674106
0.3332737466	0.997812177
501.1407140792	155.3169055857
93.4019253573	33.7536672738
4.2276437018	0.836855917
13.9384954612	14.2170543524
1.3771534267	0.5622488773
0.4566602509	0.2485868879
52.0212507627	62.2329039344
455.2027238479	1026.2903225166
0.9516376424	3.3871325484
0.9406752061	0
1.7814852997	1.5516266566
1.8477843694	6.7666751868
1.8604078762	4.3501306799
21.2238288022	28.2394704607
0	0
67.2459409753	33.6705206443
2.952502115	1.6072196141
591.4455423173	283.6906230476
8.8179789699	18.5460023308
1.2570432712	1.0264232789
126.5062909942	41.2686899665
0.5284506369	0

gene_expression_table

12.0915793178	18.3429143036
0.1089177244	0
246.2467531479	402.8358829164
2.362642664	2.033871476
0.7242853726	0.821397702
0	0.0344460425
3.6790080956	5.7021300021
69.2753965499	46.5462860754
14.1926063579	5.0647342908
24.3924500421	37.113594341
0.1388603957	0.1511796726
75.652737729	87.2093871817
2.473418737	5.3536482519
0	0
0.4887852752	0.4941382045
0.9665122341	4.5247106658
3.8293437904	20.306254213
20.8835300516	29.1682206783
48.9298302607	98.8356454751
100.0472464343	152.3128487564
257.5473057631	437.0992424308
0.6780742543	0.8366617593
14.8629074445	4.85444499756
293.2559751042	348.2798624205
1.3264564019	1.3719288455
0.9504473514	0.3880380689
1649.070592895	2246.6120655189
6.1885862441	7.9174785653
0.2543919975	0.3789991138
0	0
0.1408138201	0.4939872857
4.7033001669	2.9232078989
0.1655364927	0.139028703
0.6206431016	0.7566484833
0.0157428997	0.0514186874
0	0.0864998273
0	0.029093985
1.739306473	1.1457151354
0	0.1080567862
2.2634744188	1.2433428195
29.7927518327	11.680776495
1.2068480528	3.7775084555
0.710687303	1.3986790456
0.0163052002	0
0.00283	0.007704
1.1026024042	1.6863070606
1.7704818974	1.8064996307
0.06246255	0.0425025248
13.5232062193	4.1787180508

gene_expression_table

0.9216223423	0.8882432614
0.033298896	0
0.2328484705	0.0211255072
3.8128145533	1.9190904121
36.9051926919	29.999471721
0.1968016244	0.0357102122
11.5525390296	14.8057331689
18.4157972096	15.7585808217
1.4712321897	2.1203314977
1.0552249114	1.302020133
45.4826113388	35.4145518073
3131.6539437836	2835.8608877035
4.8043160639	2.5618974096
1.7190887655	9.5862498114
0	0.1271465146
2.2067130284	1.7674676559
2.3745080513	1.0714336319
50.4115994398	28.7283254389
12.3151503495	18.7480739231
14.2895155039	12.3533060508
2.8026803856	3.4650648521
13.0910584561	11.0774053306
1.0381846874	0.8177975613
1.3750571738	0.7881518008
4.508783902	14.949495775
0.4976687755	0.7949660751
0.3577427298	0.6361516296
2.6618911824	3.2068543652
1.6265256385	2.9513768403
4.7066489199	3.786220847
0.044132374	0.0720714984
16.9765117365	22.1270764873
14.404726316	19.9894642752
13.3551265084	13.5245933304
2.4017010873	10.1322445568
3.4501914844	3.2867468396
12.9284494972	10.1307182324
3.123666623	4.6038982305
1.5062923665	0.1261481614
4.2825767339	2.7157942775
2.7323429144	2.3737889397
0.0893238151	0.0162080592
4.3363813954	4.7433614211
0.3138389912	1.0250455295
2.8622547903	5.1860046774
1.3237719575	0.4906257112
0.5141277086	0.0186579858
0.9090974982	1.4979998421
0.1806568025	1.9668413105

gene_expression_table

0.5569852927	5.0027946685
0.2081806921	0.0566624643
0	0.0194407586
0	0
1.0606736071	2.5280174026
0.2072181809	0.3106649873
0	0
3.5425764916	0
196.8411877684	175.6029706748
0.3361716469	0.4182808971
2.4231669355	2.2708066524
39.1883957201	36.5405700699
1.827021633	1.5515054105
30.7198195086	48.4636901341
1.2436245328	0.296177692
2074.5191243569	1846.041079361
32.4490367457	20.974060954
0.2475664933	0.4582007423
31.1420813451	22.955803614
0.8378064111	1.7102513957
0.9102371873	0.3613763059
0	0
41.0167549991	37.1140610178
2.2026766601	8.3933202946
2.7475937099	1.5953877148
53.5574741509	32.3416031179
20.860162441	7.9769385742
0.7519415184	0.253392134
0.9653513552	2.3408512213
38.3437433925	29.3764524458
39.0526793391	44.3766734955
1.6401328418	6.6961518662
7.8883943419	6.4011644552
3.2087895894	1.6547986217
16.2000223995	9.7135326431
18.8848530117	18.5705577877
4.0020343214	3.3809830642
4.2707439224	5.5537264977
642.5901765679	1030.4158894966
4.6983878001	2.078055949
0.3381146661	0.5521667745
16.9408085704	6.0106851413
0.849711964	0.9135321572
24.7928180971	17.7137378235
12.701263643	14.2641021669
16.5050185397	8.3351545268
1.4562248643	0.6936198313
0	0.3597639382
0.1082859038	0.166121537

gene_expression_table

63.4611285148	93.7666409058
0.1377514032	0
19.2232832876	14.1866790895
3.078397302	1.5298794977
18.0207147645	5.9398360332
28.726809134	28.8003363866
8.091416958	3.5876434602
1.3892206695	0.4583236823
1.2898678656	0.3510752664
1.0960494315	1.4078535594
5.3830685572	3.2612917915
0.0252615899	0.0412540833
13.3701086291	12.227009669
6.1170032119	5.9959667093
1.2069840259	1.0324788735
4.5759577654	4.5463450183
2.6025304279	2.9208703119
23.7620375167	12.0531306427
11.6755481498	6.6853734958
0.7517368528	1.1496974411
0.606539572	0.7535281521
4.4582424491	5.2398592079
16.5505989348	72.7192060986
1.7369001648	1.3596393985
135.4232324117	81.8755633162
9.1356124053	5.8166903513
16.3648047524	11.6273259809
0	0.1212670315
2.9976304179	2.7614833049
0	0
4.5340865499	3.4853844448
0.0359763115	0.068544038
3.9929609791	2.783271158
83.7635005623	38.4719370515
27.5918361463	16.9949829024
36.0926656106	34.8860249371
0.0136765858	0.0163789245
0	0.0952351496
0.0404770307	0.009014
1906.0918297993	146.529779702
178.5584385745	33.3417929827
3.126068135	0.9724010011
68.0672061195	12.2195938599
0.9858377696	0.5688481167
81.2761544378	101.9671309232
4.7337727791	4.8141514265
5.1808940973	5.8816652397
2.0437126956	0.7987268308
1.2688956691	1.3186742662

gene_expression_table

4.7327526213	8.0668195722
1.4160770094	0.3083414211
0.7901825311	0.617161086
13.3244989488	10.1400707863
2.5953261421	1.4127878382
1.3899929276	1.5565463199
2.2203617612	2.1672753501
6.8445564533	8.6440705174
2.2020398917	1.9458335129
1.5091731551	0.9584531024
25.0868752359	16.6572950249
0.7544422903	1.1499237996
85.7540400573	123.6013296762
5.2829297076	16.0461732649
1.0707767332	1.7486592396
0	0.0794374743
160.1690883038	34.875761678
58.6153324789	11.8058690898
88.4249704486	17.6697675523
6.3731263205	0.6307755392
0	0.3131460851
59.6414704935	62.9458688378
4.3351459878	2.9642314163
72.0742649332	24.2217807067
10.9518018287	8.6623084216
10.1549405331	5.527928167
1.620248992	1.5737581151
6.2058807547	3.2456405646
0.9676972838	0.6371120864
2.0942093455	0.8255177135
8.5214439692	1.4926575649
2.6718512532	3.0131926893
7.1128835232	1.9020147435
0	0.009766
0.1308443041	0.1709429009
3.1710547539	3.3060938612
0	0.3101502832
13.4148916938	23.2412228421
6.0913876689	5.4269852288
0.3729128013	0.5720859832
0.1500103354	0.1781659653
135.0990920384	42.1760882212
3.0971140087	5.8359472866
10.0933547211	8.8573572163
64.7141104357	43.5795261129
0.0660853727	0.0359741341
20.003455399	13.6237440713
12.555139144	8.5890740618
8.9519117958	3.9306199152

gene_expression_table

0	0.7270633953
2742.6801811725	2254.3076287643
39.3601867265	45.4779540306
0.3035228849	0.0917918119
0.0357277061	0.1944868042
0	0.1235960703
0.3905190928	0.0708607955
1313.2287220339	1547.11799434
0.5680978206	1.1949987425
8.8878364905	10.444108571
2.9756640622	1.7764113918
0	0.1378445703
26.9223796656	19.9136409858
6.9620858097	0.473733821
2.234776556	3.3116367091
79.0128434057	37.1839735513
0	0
0.0296451308	0.0215167718
0.7828991002	2.0146585849
29.3990902131	28.1122221993
0.0610045352	0.6973750787
0	0
114.9263490604	67.2249040113
0.8578436347	0
43.281831984	40.5948962765
18.1364258572	26.200673426
63.4803174241	43.6419082142
15.7203843065	14.6931085765
0.225697478	0.3378659348
6.3615893982	5.3976632249
30.9394476952	8.4025677661
1.2155247707	0.8625487559
160.7354706119	199.5749801093
1.4708117956	5.0040556164
0.0813912909	0
0.4490206632	0.0488856427
31.2528730559	29.5305219964
0	0.1800138888
0	0
140.8309803444	89.6303337817
2.1431113676	1.9999215141
0	0.1199966875
25.7198573714	0.552664062
2.229550645	0.3310022286
1472.3200940136	1563.6825494555
5.3183139682	16.7842980493
20.912693251	19.1702302359
0	0.888704931
15.4132930551	10.8972320134

gene_expression_table

0.083088148	0.0452297394
6.7182028818	7.3819459228
24.1593060099	14.5195652454
0.0585941146	0.2073253269
66.5963142711	39.3253786075
1.615047942	0.6753007063
16.9574607413	15.1955438359
0.0928636556	0.05055112
33.7885582503	27.5204862334
0	0.9297795286
50.4570622352	37.8858024266
0.0862873841	0.2113707183
0.7553088428	5.3450642248
15.8420690187	12.9356473235
1.1027348825	3.0162373218
7.2451693496	18.0530508596
3.2747463623	2.9558238086
0.0660314559	0.008986
23.5951316939	26.2263982569
20.7255444604	11.6346926794
74.2602494641	46.5490762481
33.3932808446	33.6524499439
0	0.3111612765
3.0945447588	5.5130456755
51.1892994685	24.9525778495
0	0
3.4621428694	13.94638698
2.168477366	11.5682049842
0.4202067667	1.0579369485
1.0797974215	2.9773190885
55.1245588666	25.8269074965
0.1211730068	0.2968270014
208.9097003241	158.1766444274
22.9630022038	9.5302221786
2.5218849074	6.339149649
65.9882018255	14.5087284122
0	0.374587436
0.450404631	0.081727196
0	0.0419992806
24.0202050054	19.592909371
0.4208160056	1.7562398909
0.6765663326	6.3991192314
7.1829681878	6.2127299641
1184.7373432387	1281.2480922646
0.8161436727	0.4442747431
253.7068719076	518.0857749999
4.9892954579	4.1480198488
5.4114555476	5.474689117
5.251120382	10.945932778

gene_expression_table

28.8459887833	25.0176365357
1.5715774804	1.5981897188
3.2826478022	1.6637001743
17.481294771	43.1336850883
0	0
0.3247963259	0.6541808673
0.676639638	0.4884436244
13.7624747401	26.1553033892
14.0668801315	20.4545294946
10.8103494497	10.7548067494
1.189143527	1.9175339654
1.3806337911	1.9206526577
2.7628544755	2.4610635983
18.2847682357	38.2548987627
81.6275169125	42.4722196419
60.8238751014	35.2851022845
0.7283441976	0.3398403024
143.6019779041	78.2801341902
76.0808161623	117.03375225
9.8765157045	6.6129292522
2.9041173881	2.2153482585
8.8160898078	26.3951236905
0.6609910518	0.4705287403
16.6831536872	20.9896543889
1.8587454023	1.1026285586
0.1845059567	1.0043738529
0	0.0176969531
3.054615149	1.3856714265
9.041723027	6.9533993309
1.0606302601	1.443407736
0	0.0576955968
13.8848821962	8.5528738163
0.2451410107	0.5337783687
0.6528220998	1.1549500857
2.7840421729	2.0762583081
11.5739060354	9.1325132696
2.3163913098	1.1238878039
1.7260196116	1.6813419485
57.3897391634	79.7173731016
1.2795928465	1.9155324068
5.1795388735	4.6097012332
0.1362882407	0
0.5461028826	0.414062644
5.0699295395	3.1855821902
1.0610994077	0.9525638073
0.4540580291	0.741511039
1.0368052136	2.2575749115
1.6256496546	2.0892699093
1.359479827	3.3866438439

gene_expression_table

0.179978997	2.2207235169
2.7344754058	0.2658098076
1.6704126751	4.0399048099
60.4430290824	55.4284078092
0.149625131	0.0203624279
3.9329530977	4.2272571497
0	0.5240111524
6.7708825939	5.9644196418
0.1072340973	0.009729
0.4572517394	0.8492184964
9.9103654152	11.3490431188
139.7008295129	67.4225357393
3.1566110213	1.9728951473
0	0.0444573616
6.9143466872	4.9128582951
19.8469956478	29.7799276347
0.8642559701	0.2822790486
34.2746457546	43.9004580058
2.2645509659	0.9956645681
54.4585824367	44.7985116212
30.1630625054	39.0272998189
26.3394393554	20.5325023357
9.8628166288	14.1229580918
9.8901108568	5.6787667527
0.0177215941	0.0154350405
0	0.0138010648
0	0.9960768515
0.1136594164	0
0.0191219166	0.0208183556
11.8242719636	20.2628862697
616.4220849437	641.4141021866
13.7797870712	12.8986464511
21.0471851433	16.3508038132
0	0.1141152002
0.0537412002	0.117017916
0	0.011369386
1.211869636	0.6596915338
1.5378690008	0.5727882503
0.5688808965	0
39.1890634371	50.8737673485
154.8469385114	79.1756335079
7.0072234498	11.1615763493
62.9252595846	21.8338945217
2.4040322079	7.4050742306
4.1588822293	3.7354727521
0.1083680315	0
0	0.3912187088
3.5130057362	6.0238537473
0.3048105968	0.4645934675

gene_expression_table

2.6567726301	3.4434208479
0.2832306498	0.0308358022
3.4071666112	5.8953603049
0.1010124057	0.2749348068
0.1198820963	0.4568118643
1.148174345	0.681838321
7.7761821576	12.8124772524
134.3038225783	75.0418347795
38.4682634182	31.2027706213
33.1353864377	22.2135329963
1.7287959546	2.1880220849
33.5526047794	31.983069216
0	0.6211976026
6.8430257218	4.3132264394
0.0185034859	0
8.9346570822	7.0425746143
50.0530688636	46.4400561766
11.3330443912	6.7662621429
1.9956627342	1.920071011
5.8359419527	2.4219508266
315.6065658013	95.3342807724
1080.9916716746	800.4803499704
1.1142789306	2.867408601
8.0181129239	5.3448773244
0.001986	0
27.3941715147	36.6218509914
0.2421099357	0.3807399577
0.1750482844	0.0381156084
4.0823850397	3.0605097775
0	0
3.6184270865	4.4159885932
0.0129548369	0
31.6978210496	60.5437832586
1.1502134138	0.8030777886
5.2507881576	6.8793251411
17.0259153486	17.2655861295
20.9489792661	25.4892718734
2.055688096	2.9374571166
11.6394183085	5.480654063
0.6796122213	0.8534287627
76.2656621639	30.1606566171
0.6933706435	0.3043888722
28.4635886123	15.1858795789
502.9935057407	293.0547043685
14.3075749779	4.2710854907
0.8450286868	1.5639950564
4.1580897818	6.5883770578
0.0349631216	0.1141948339
0.4747947735	0.0516917139

gene_expression_table

0.1135245164	0.0823973802
254.695402431	301.2096070868
1.6004980273	2.0702844375
0	0.0419685051
24.409415618	71.1871846019
0.0544029467	0.0296147063
14.7735735669	7.0008917809
0.0274772526	0.0124645633
1.7806770149	1.0683217272
14.1772364678	17.0590723176
24.469449037	33.2165012046
99.3726164678	151.1362744234
0.1706058475	0.3508450282
0.7060066708	4.0394561866
5.0853194201	8.6791580057
49.3746254653	54.4443504789
26.2704091154	15.5246894886
1.9684440784	1.6352807987
6.8190523955	6.4147622935
5.9042324148	3.4835175786
3.9046938304	3.3269529369
2.9405959139	3.8875074757
1.4114980294	2.5689879652
1.4251192968	3.4909910939
1.1776044056	1.7094372386
2.0693345992	1.5423835177
2.789914987	4.0242715092
0	0.017518863
1389.651541171	1638.6434412291
0.7851193126	0.9662648345
0.8564949101	1.654695903
2.8909071147	1.7779445824
0.0909727394	0.4456960535
5.0983418935	2.1197369756
2.6608407264	2.5358272756
8.6300033741	24.553224425
0.1117886043	0.2458961056
0.0410289041	0.0223344326
25.0527906851	37.3077296287
30.6068398083	24.0745155768
1.0932927827	1.4221604126
59.3730241126	38.118520307
0.8602326829	1.2292217974
17.6964626363	13.2532188969
5.1609780391	4.308620669
27.9669623426	13.9727615141
99.1085252984	49.9817904763
68.3687067692	122.9896101452
0.5833907502	1.5878685601

gene_expression_table

6.1838929689	4.5203991457
4.2575721127	4.000319728
0.7918804952	3.3110933976
2.2696870723	1.512280695
3.0194996725	4.0030833967
0.8842264118	0.6417815475
2.7283093507	9.5645487532
319.1766654478	80.2559018133
3.4716477913	5.5226807111
1.1925604411	1.2363068092
1.1264737082	1.3950425917
10.7840788223	10.0893817973
0.0931452288	0.1330990415
0.0636506484	0.051973157
0.022777964	0.001127
0	0.0934177442
1.642178897	3.5757361456
24.4054303143	10.2332742156
1.4928103336	1.8203493337
38.853102909	37.9136849821
2.6293364779	3.8252167617
73.8275162765	120.5659074203
222.0551641462	82.7218024811
16.959247791	14.4075436157
0.1308963944	0.142509129
0.7379210655	0.0945161417
11.5840352556	11.1558958021
2.7578025524	2.3071584727
0.0158469925	0.043132225
0.0596846689	0.006498
0.0403325527	0
0.1436551197	0.1975576043
2.1830937623	3.1126217182
0.4551457324	0
9.111248495	2.7759993681
8.9492425299	16.1014259842
2.3902384339	3.6637549046
0.7853295152	0.6946887913
1.7053197572	1.2108330002
0	0.009235
1294.5189115871	1381.9466230016
0.434196607	0.2009048206
0	0
5.0748219	18.7174988637
9.2807874091	5.4240074238
3.779183872	0.7228108402
7.3034714193	2.2302745046
0.2046178954	0
0.0747474579	0

gene_expression_table

3.2578001738	4.8393085467
14.8687330828	15.424264919
66.0221251063	26.7201491907
8.5641801702	6.2159789954
3.8893853337	3.0943983958
0.4471742944	0.638985708
18.9755663426	7.8830476977
6.42787821	5.7687372283
61.1854627818	29.0435527654
5.5683939154	5.6337501813
72.4321646379	73.4974686688
1.6732589345	5.2829457695
2.4861164942	1.3533386385
99.1107500008	48.3592164704
73.494841111	63.3109029117
178.9625033621	135.2177260568
10.9692474064	3.8737234864
9.9715902058	7.6458945433
146.1250738096	81.733721688
43.830728726	36.8636931526
12.5801318915	10.1878163074
52.2626849617	32.9853701194
1.9341557116	4.047286664
1.7164989852	2.7284211591
41.1274494614	23.9224618901
1.3432534201	1.2339192595
0.5085930683	1.5591418178
0.5735466276	1.0785608408
0.2639270583	0.7183546841
0.3315931982	0.7220223002
3.751512976	3.1751515629
0.2883221577	1.0044839454
44.7628903154	29.0196698034
1858.529502719	1518.2136814105
4.7434352462	5.5131949531
10.7061023726	9.6259527668
32.0340449009	78.6477569585
0	0.5164510276
29.1665030364	15.7737124984
51.6460257208	16.9393218053
0.4405507037	0.3797110717
5.9364869398	5.3305921466
3.2987238936	2.3585160827
6.1963793757	6.6336684703
10.6922792656	11.1826979427
0.3131384577	0.0852297901
72.8922025164	47.2675994199
1.2682451291	2.0957964664
0.0644723161	0.0467947375

gene_expression_table

126.2090834189	204.3232471689
0.0844079597	0.1225285069
5.3865331826	4.517180842
22.835256574	13.3687218709
3.7013039471	3.7328439528
0.0603052226	0
6.1996248278	3.787296265
0.2080366224	0.1887441719
0.30375461	1.2897409432
0.7120085582	0.2491636556
1.4082680399	1.3645527593
21.5430650306	26.8986389172
27.8539942826	35.3316220873
989.3400467075	302.5166777887
0.8293109346	1.7035564302
0.0256924708	0.0209788722
0.4914308307	0.6687863711
3.1441422976	1.9623923244
1.0375875502	0.8129979084
26.9642546898	15.9111917364
14.3897576073	15.4569301523
0.0519603545	0.7919816934
128.6381927112	136.6538372146
22.1968183842	18.3644557374
5.8656828223	2.7622280726
41.8466848067	41.7041879334
0	1.5606108709
2.1937783095	1.6669067679
0.0684393314	0.1713754454
0.9229684911	1.0736044775
3.2438424636	1.4661600579
7.6280310361	10.5905552781
0.4822482952	0.0656289893
8.4278564031	6.4228853438
6.1029304988	6.2706186654
0.00605	0.0120749431
40.8044385675	21.3076718787
8.0638867073	10.2425055809
93.8004524112	77.4151756549
1.5345245276	1.3000191684
0.1644439402	0.1342746842
11.4631499482	38.9067932921
136.0669003724	120.2427860092
0	0.0419685051
0.3483609968	0.2585908209
1.7768729899	3.0968794383
4.1682723046	3.6902977825
0.4717255792	0.3274384465
4.075335132	4.3404325586

gene_expression_table

9.1347468583	2.4862885357
0.1406508689	0.1461685825
0.0647102311	0.0704511283
0.9136213229	0.9089272105
16.537045771	12.7088207757
1388.2177599612	346.2970402066
33.7531128938	24.5964456521
0.2711015764	2.0365549644
2.170490393	6.8594083796
4.7782962426	7.8679422399
6340.8461635636	8856.7690069158
0	0.2375349161
8.3203432049	5.7187493972
3.2769351119	2.3403816442
2.4521295542	9.3438629123
1.2989447136	0.4419322451
126.0998014077	64.710797954
29.7653064029	10.7225718485
53.9364080994	37.7495254971
11.8576014123	10.6740121101
150.0895151002	59.3824262037
29.475882431	12.8494027282
0.1058922321	0
35.4115090747	22.8385281395
21.5963097985	55.8416400405
473.8889460529	692.9122070259
221.0988459725	132.3150893605
157.5974446998	92.964075555
222.5442625502	135.8386517063
26.3211445194	9.6428918067
57.6287098902	43.9372944957
161.7827868823	115.1796268241
0.2772816492	0
0	0.1320447699
1.3221737877	0.6782132743
100.5361088151	34.9498583074
5.4952807564	1.9699481681
26.8299094428	11.9087650256
241.4664589456	212.4543664326
14.3980626268	23.6610044772
29.8406217983	13.8551730891
73.7163379149	25.6474127682
102.1791834966	47.2171159033
2.5492817235	0.7401190228
120.2560065277	60.0415983897
15.5977577227	12.0868636029
10.6840353262	11.5054572309
4.826682222	2.3355070938
4.4218711263	2.6430716621

gene_expression_table

18.118435721	13.2663279431
12.0323215262	11.134823987
6.3086572736	8.2379627227
18.2408174898	31.7610541372
1.9448622476	1.3749380392
18.5092731949	12.9616789732
0.0673502252	0
0.3577995028	0.4524684791
4.5945206026	0
3.6255402828	5.4508777266
18.676327399	20.8898016818
15.1565881884	7.2244729205
4.4270334239	2.7617803305
0.005801	0
0.2171365903	0.2256548279
28.4722246815	26.2696566736
100.6739353656	55.1990499816
9.7897087234	7.6149481346
0.7653230219	0.3661118973
2.7868115489	1.3990337485
6.4352815549	4.1884893646
4.3953736702	2.3388913873
2.5259141419	1.6397549231
1.7258668263	1.0821976549
117.9998405747	92.8190960575
72.216249813	95.4809754658
0.7242749855	1.6263441258
0.0438724712	0.0316441171
13.3564172042	14.1849525495
1.14360731	0.4110155713
0.0169701754	0
0	0.0130116644
9.8751730604	6.4086744222
0.0744430666	0.1350790529
26.1410780609	16.7763700392
4.0469021941	3.5308856249
2.1150523199	3.2931901996
14.0225500073	21.8290249174
5.3771804553	1.7228155929
4.4648756227	3.9050908612
1.5323990941	0
39.1036951461	36.9528423838
0	0.1344706673
10.0934582525	6.495388482
0.090918867	0.0553150999
56.7333205782	84.9757719249
3.6141917308	3.0981148173
25.8042449186	17.1734089491
0.226005331	0.1230279223

gene_expression_table

80.2950430378	47.2246427677
1.8273208103	1.6223370545
1.080541858	0.2823370281
0.4723915276	0.2463229592
7.6160477408	7.1548145834
1.9994476064	2.0372920377
3.4158486051	2.8384069919
17.76466146	9.3239440174
0.7237348132	1.0877030824
0.4546533406	0.1790385088
5.7227011193	5.2252062963
14.2654350316	26.3483478425
1.3567203497	1.1685795104
0.009914	0
4.6275386179	2.9465348287
2.7728570899	2.5077274704
190.309597248	147.2397599673
2.5762519946	2.3479653844
3.079685999	4.6861488261
0.1907672945	0
0.9753373979	0.2654666001
2.0506185389	1.223311371
0	0.8361229046
0.4930350804	0.1865068009
1.2003968499	0.7247831493
6.7325078267	11.1836057873
8.0939959603	7.1749660286
1.1641957928	1.6733580894
0	0.008952
0	0.006469
3.4757975144	4.4921897259
0.7271926939	0.7382789612
2.9349087421	2.8331527214
4.9544088835	2.9185390574
0.6718566651	0.4331023632
0.7897697087	0.9673151664
0.3221510159	0.3479028076
0.1020377466	0
0.020628276	0
15.0940664185	2.4166421503
2.1956978928	1.1299602149
2.4509302932	1.5552330888
12.0564654642	10.0969837242
0.0660773912	0.0581050444
0.0131994984	0
0.9413162816	0.8081689687
5.459831917	3.0690223935
0.5635917146	1.300230407
41.8798422824	38.3542397784

gene_expression_table

0	0.0538242825
3.1566129918	1.0811958409
5.0447357683	2.4833558069
24.9495639267	18.5671236619
3.544535201	2.8500598087
12.7044409427	11.4365852561
6.7324908045	8.3896578209
0.008722	0.0486658966
9.2919466756	7.4156686774
0.1745855683	0.3844684203
1.953250042	2.4660675549
0.058292986	0.1363312868
0.3334497839	0.8672441775
2.2147104739	2.5039311199
0.8056716637	0
4.4909793407	6.7793736293
236.8766959181	197.2247040236
15.9562061224	8.5427222684
2.1619422288	3.6102988837
0.2729686407	0.6844274379
0	0
1.7184270817	1.2782719378
0.3091337703	0.406930656
3.9529563607	6.5218905148
37.1965555154	34.7840987987
48.3498368253	41.9140922673
0.0109100123	0.0103931763
0.0681605172	0.1201454979
2.3866672692	0.8352016764
1.0465335894	1.5437627834
8.8009522909	0
21.6194222876	32.3891164488
884.4716471475	1412.8624721818
0.0979955186	0
15.6550674348	12.7829534718
0.005652	0.0353834486
0.7757999319	1.3106274362
19.286620863	18.382577227
37.4760754905	39.7472974406
13.9575330533	10.020854626
0.0347311421	0
7.7794547037	4.9797505672
3.4541178068	0.5412922604
8.4048806398	6.9569146506
10.5978659776	9.2601732198
0.0008799	0.001916
7.0873311536	3.3102529405
1.1174014635	1.139118165
0.094790704	0

gene_expression_table

2.7479126413	2.1131843494
1.9423308372	0.7091809299
0	0.0197392494
0.3789791146	0.271375156
11.2694947506	7.7540024434
0.3391658276	0.3616888872
0.6287094222	0.1711216581
1.2803714244	0.7379799505
5.901475672	8.8583486855
49.9633074398	40.9179855529
0.4589215832	0.4849405582
0.2807449614	0.1491871932
0.2680594739	0.3062725978
0	2.7639129794
2.6853390154	1.2727002207
0.008493	0
33.5360548384	12.7336835795
16.9927440307	35.1796838036
25.4141357004	22.7938221314
0	0.0103107977
1.4063454749	1.3828107731
0.7635752214	0.8599834344
0.1675123735	0.0364747136
3.0137043281	1.9312633794
0.2779199082	0.3911877071
1.4247638023	0.7289307164
4.1513140272	4.8093244715
19.6034257538	14.5548853469
0	0
0	0
107.0606186852	29.5466080772
1.0094133847	1.1600191454
0.1048423315	0.1712154421
1.945597364	0.702230977
7.8220745647	9.6496522812
0.0653467068	0.0550792802
0.004696	0
0.0309882843	0.0393603837
0.3074269294	0.5389252142
2.3183422077	1.7057927631
0	0.005467
0.0282367918	0.007685
34.8066015323	26.230468193
1.0596168755	1.4198435689
12.6149077259	6.3404193114
0	0.0679559639
0.2495803273	0.1542207897
14.9240456453	20.6318214506
1.8068052635	1.7863000005

gene_expression_table

0	0.0124029666
1.537217707	1.2905832409
1.2291416098	0.446062453
0.4757207615	0.5643066457
18.3355713175	19.4038376699
2.444624711	4.5708446288
0.2620858179	0.2705145679
0.2062221125	2.8064689809
0.7090352044	0.9391920565
2.2673722406	2.7138461133
0	0.0712722984
0.4859232042	0.3526885669
43.1788467199	26.831028824
6.9120259474	16.8859046453
33.6478345928	25.6412028106
13.8075106795	17.3505629285
6.4171585336	6.2549020581
0.6293083058	1.1418977452
0	0.1652782386
0.2840564843	0.1546285609
1.2876512701	2.0590227362
0	0.6132164771
0.0390522314	0.4251682797
0.4753310224	0.1293752405
4.3269666804	0.8479515885
90.1055987636	48.3869138888
81.5569715513	48.9905605435
0.2701073285	0.2100503134
6.6835513481	2.6237365149
58.3118232674	22.3467456809
9.0132371616	8.9133518945
0.7408728021	4.3210757692
1.4695511958	2.8944104255
117.7816553621	92.4535512312
1.9688011224	1.0230184556
28.1040458897	144.6544471295
9.921768801	61.4760785981
43.0550479385	362.4618253725
100.8832668751	212.9302101039
2.6649237752	2.4933457677
7.5499268169	4.7263468378
16.4522129821	22.8518109203
82.9661572986	61.9636971608
19.4841707036	28.4055760287
92.8927586337	22.2255970799
68.1747995716	61.2855084882
3.4699724504	2.6309803764
101.1853564433	54.8196889701
383.6617575038	302.5524105854

gene_expression_table

581.5453491925	270.5736342752
3.5676642051	3.3084248013
1.219373597	1.8016787422
9.946506898	4.4277171527
11.6264824598	2.4643794586
140.9245220462	58.6522820976
35.2635529068	17.6819628028
230.9216826512	165.5741994537
175.1691823731	71.9775189971
11.2593668607	9.1814886079
24.9489464289	17.8699618196
71.7634802153	53.8089700705
129.6893675299	153.5791169594
4013.8304684647	4001.6944083064
12.4414992231	9.7024908129
24.3490785651	7.9347431812
1.7819755994	9.0940646178
6.2257113491	8.387821712
0.2575000534	1.4017234205
0.0924312763	0.4025260052
37.0097384373	13.4738177545
46.0325792971	7.795101456
448.6458360529	196.0256524159
41.3558846454	44.3238211459
3.6224419066	10.4662757862
1.9198007328	1.147852613
36.4628100085	24.5161388593
106.0139307905	41.240259592
0.1302804876	0
1.8861130361	1.3597124657
18.2207780972	18.8824595983
6.2573891244	9.6321546461
23.6797602424	14.0961434793
7.8496717878	3.8232423229
32.9874184279	41.5516200276
11.2834486081	7.5335775145
1.7327213716	1.7195013271
119.6149147876	69.5952263491
2.3946658422	3.331311564
5.6872714486	0.3869893173
0.1228710987	0
3446.8729424923	3029.2630484049
1.1147082167	1.0619015567
7.9556212425	4.8292090188
348.3423702709	175.0926211838
12.8484490664	15.6936916123
0.2822277945	0.3212328414
2040.9690055147	1424.2422020272
32.3635836392	25.4517623497

gene_expression_table

303.0769597505	450.1474239778
57.6824195161	113.9159714174
0.8240055485	2.3324829944
2.1579304207	4.0275008939
66.4468779272	20.8532572683
15.611553177	7.7584312249
52.635298168	28.2658262352
2.4334991995	2.8192247503
1.3807680026	2.4052249433
0.0940843439	0.2560780603
0.592791266	0.2904218664
1.6112484196	1.0232795629
1.4206180159	4.0277369172
0.3577436839	0.4696690223
98.6321659545	45.0984099107
1.7065850189	1.0451183131
13.8829457707	38.0342777883
322.5699132288	123.885106847
34.6290252769	17.8114041839
0.0145321918	0.0237321663
5.6898647054	4.5963694029
16.6326737525	37.0566237421
12.0601625778	5.8859086681
2.8841888298	1.663487024
100.4610012525	26.3800822216
117.2664292755	176.8741412155
0.1313375631	0.2144841554
72.0930730668	75.8753359888
12.8040899398	8.2437235102
1.2868996579	0.7982838005
0.1238488144	0.1752872017
10.6899880272	4.8755340627
153.773418266	47.1149027188
1.1472813147	0.2161842689
0.2751510431	0.079295722
0.0221676931	0
29.3115982916	9.9442602571
2294.2983787397	3433.6647303672
5.659719786	4.1439228543
30.9742437918	23.7654195932
41.4470151431	37.3947969308
0.0540837472	0
38.7619412939	27.4372510803
0.0498682474	0.1900234295
0	0.6864144171
5.218831798	2.6584713239
0	0.1121598335
0	0.0892449264
0	0.5405068187

gene_expression_table

5.9723218896	6.2946523256
12.3005883403	8.6477220811
14.5133164651	7.7985058858
70.0716169612	63.2542114325
12.3348914816	13.0667700214
0	0.2846955543
0	1.0400376095
226.90391534	264.5629744252
0.5139408988	0.2355941855
17.2257340845	10.838784465
174.5256824003	124.0448377097
4.7393928739	2.8980021936
44.6148986819	13.4097234824
4.6558041128	5.4309139923
91.9711107832	115.969266865
0	0.0478722994
11.3986109102	2.9085612677
2.2982813502	5.0074603661
0.007776	0.0126993338
8.3738286447	6.0406302454
8.1265507331	9.0617699221
0	0
254.2437095439	69.1998618155
2.1696511777	6.4958742991
12223.4298033823	14433.804886826
28.6022914707	12.3678643275
0.0721264931	0
2.9129158859	0
21.8945506612	7.5077068933
0.5045600051	0.1997538372
0	0
0.4462970172	0
137.6924225466	89.6570822825
1.3608677986	0.9524570781
27.0411154158	23.6413100079
4.5523968352	2.2386134706
1.5223822203	2.359419421
0.9702927834	0.6278450688
6.2613287754	3.9517768373
0.0194058287	0
194.5332229167	218.9384403924
128.4378832472	108.3295433182
0	0
26.3957085028	24.560500547
696.8170499094	340.0362881868
7.8157596098	8.1172815459
14.1209995705	16.2753205784
0	1.3300300485
7.6362473884	8.27449668

gene_expression_table

3.8415038385	26.7203171631
47.3670088674	123.0192106045
16.4283241398	3.8163958931
2.5783058227	0.6282434866
27.1600594605	21.5457017761
1.243565475	6.382628369
1.7816709436	2.051643248
9.8507793229	7.276033342
0.7358354232	0.2381697793
0	0.4780836307
14.4954903338	10.459102928
1.6635528917	4.1033602202
0	7.081844694
3.7456336904	6.0274741792
1.1620777756	0.4111814924
0.0965359407	0.1576504788
0	0.2404467631
1.6763611527	1.1406767971
0.4196411279	0.399761624
434.0099024233	311.5852901173
0.5895471898	1.9255501332
5.0781094613	6.3260217714
398.1090014038	166.0916313233
710.7758116529	373.5108849164
643.5501357868	373.0410245851
1.5031719666	1.554702422
0	0
3.3151483828	0.9775074787
0	0
0.9399026499	1.5184273369
0.4669628899	0.6354880423
29.0951966112	13.0558279399
0.8120493064	0
61.1338200059	59.9406083605
18.8895012207	8.2261283968
13.2855937734	7.7678388865
37.0585425071	29.4931683907
0	0
1.4859408973	0.5716117513
26.5147350281	17.2834522712
52.1681700894	39.0403928938
35832.7583774279	72622.9416273127
1.8316759924	1.6064201846
0.513291647	0.2794146695
43.2368022132	23.0493623146
1.5935403302	1.000912176
85.5765563218	34.6135811439
30.8128242413	15.8186490468
8.5063315645	3.6724606527

gene_expression_table

16.1745646665	22.7852272127
1.0183991727	3.2254501418
2.4207195934	4.3758889293
0.3263477723	3.5530036577
0	0.3083414211
4.2454798574	1.1412656962
0	0.3138754293
0.2684317833	1.0520864796
4.1807696651	2.6716353164
0	0.1080598443
0.0172530905	0
1.7268372383	1.4251893749
2.4180298029	4.8126307229
0.3507410535	0.2545718303
0.7176588031	0.5469291345
8.7157531946	13.8427598701
1276.4652064891	621.5372940948
84.0524765049	32.0717764128
0	0
0.1165166354	0
5.6043619686	4.4958893495
32.3290632278	4.1740269876
88.6532285	26.6461499438
152.357484724	94.4852940116
42.891536188	27.5471862307
3.7423864461	5.9369824534
85.7621148422	50.434309893
2.8679711172	3.7396292571
51.3717380851	78.584184238
0.1432659611	2.2616532542
2.6552560707	0.1204509337
29.9059364288	9.9650582519
5.3129499732	4.4368201985
141.0037823094	104.8313758533
7.2489286113	6.0048067809
258.0574331594	179.24669778
0.2189522579	0.8668256148
57.3653543157	47.2557926895
4.7473498818	10.1567437615
29.7431953183	12.4750028172
116.1621805412	200.3922283799
0.5029031428	0.0391085141
3.2977126624	4.5014443017
45.1088754066	74.0864624334
1.2344982444	1.3920199044
4.2045888228	4.1299072501
79.3884625698	46.8621159633
7.0628652502	12.7927811169
0.1634336869	0.0667248871

gene_expression_table

306.1822712592	310.0267318187
150.7088866473	123.0594945582
9.6847060348	5.8483069056
17.4139036283	19.8346275388
33.9563241528	21.5924123279
2.6539803103	5.2456976618
0.7490473637	1.8394068961
1.1592759548	5.7352373645
20.8363321274	14.9824134039
82.6408210234	113.2203854032
0.6108599733	1.1305911779
7.9576580048	17.6049556978
46.3974951366	16.0725540964
2.5058095693	6.3388611629
0	0.0679492454
0.0693204123	0.0754703109
6.8973369051	9.1860702511
0.0354651707	0.038611534
0.4676824545	0.2036695345
13.3457814554	11.9193441879
43.6553634202	36.1548237236
1.677489244	1.3566882068
0	0.0322763702
0	0.0515335783
0.9351526941	1.8218929174
0	0
0.3869436172	0.5141997592
3.9702048606	6.5950470758
0	0.4105425574
0.0500425787	0
0	0.1228932925
1.2374084669	0.8840918801
0	0.0246172178
5.5125271168	2.2378780165
1.1249397033	0.2370466398
0	0
1.3265881708	0.8096716088
0.5154007811	0.82518469
5.9610208028	4.7174226245
49.7264488821	96.6911996498
2.2140612628	0.5074707628
523.7598109198	739.3184213064
31.2189553319	58.4857150707
11.72710387	8.0334814325
35.3359257586	30.1808916599
264.843227101	90.0709091144
36.4248944561	14.7521813982
7.2711708536	8.7670588995
239.8612996973	144.7629862546

gene_expression_table

73.7803659054	61.5382187636
32.3038980256	34.4782616955
0.1057219873	0.1151013243
1.8979291161	4.9842692074
137.0406225943	109.630008092
11.7241199705	5.3527494358
21.0715790861	25.1404828663
0.4415418708	0.5341268205
166.5702185474	156.558544783
1600.8109979454	2495.5351993421
62.6180934337	62.7604744188
492.9702667086	175.3902019862
0.204856935	0.3345468397
3.7996821059	1.9463930925
234.2060490095	141.4884630071
24.4163465223	6.3743729369
13.2925342356	5.1617686226
102.0998921373	109.7978808987
880.380911973	877.8810400327
0.0210415717	0.106905478
2.8022511275	1.8704667723
40.6200482486	25.9141738336
169.0817528804	112.5387451794
0.4856362495	0.9485866679
0	0
0.5752328974	1.0839216306
2.4242977373	1.6206683351
0.4264301073	1.031692677
1.7657393455	1.0252748975
1.6016128142	2.5408245011
0	0
26.775555831	16.7117993007
5.1224207303	5.0191798507
0.1908826593	0.3117257926
13.6505866606	5.7160098765
25.2337206925	35.4064040479
89.1742237916	60.519523308
7.0491877396	7.919295312
38.3368118369	51.4767908811
84.282934523	30.5146158085
1.2293330947	1.100458795
12.1856849238	5.481103658
50.7975543554	40.5842774825
2.9179611498	2.5174910091
307.2264036548	75.029488841
0.0673179064	0.1465802974
3.7898496258	1.5395797363
3.2550443505	1.9152273857
3.3277578059	1.0868959428

gene_expression_table

0.1112792404	0
0	0.0751139921
25.4629638939	19.7333810023
0.0254454816	0.0831087847
0	0
10.8833510868	10.5622674666
15.2531230949	5.2739277002
3.3120198038	2.7117181522
8.284025618	2.4359243214
61.5132785004	52.7713792264
0.2906478503	0.158216627
0.2400459077	0.0522684118
0	0
0.0815553227	0.0887906658
0	0.0443575116
24.6001445375	10.0354062353
12.6510447054	9.7822495495
11.4438151053	10.3359001142
0.0865393336	1.7901200202
576.7405376803	212.0563872709
14.9296184779	21.2495243724
0.5484207548	2.089762485
1.2704782582	1.2066136616
0	0.1002703413
15.241179382	4.4797422549
7.881237588	12.6841247011
17.639975712	13.8702354092
7.2448740104	5.6309421623
47.0123416463	35.6074367712
3.3193080657	3.511122694
1.3039854182	0.1629130753
6.5644250294	4.8431938184
84.3816963517	8.7674651324
0.1336127283	0.136909598
9.7568271874	4.6667551244
4.5141670263	3.0320893724
23.4074539449	29.2635134594
20.931270915	33.4227378562
82.245264477	24.6835807686
0	0.1162853661
91.1777205109	56.8536351198
38.9164009322	16.8903234861
5.8437052573	5.6552366427
241.3392300877	120.3089107761
25.4421870302	17.63441554
4.2585967315	2.7127911152
50.5029704638	33.3300167124
488.4127986121	833.1208839507
14.6146150663	15.0369391395

gene_expression_table

0.0789247032	0.1288899984
3.064364162	7.8508421985
29.2715961982	15.2826560062
0.0314495656	0.0684793531
167.3494425228	213.1923854309
0.0120912605	0.0394918825
12.6279629171	5.3255691597
2.755857588	2.8461254435
0.2805870228	0
0	0.3394374889
7.3636612509	9.0743926995
1751.438717975	2737.7737198927
0	0.0963323841
10.6451662745	2.0360061431
0.0220022003	0.0479083387
23.6856374724	14.4830848969
3.8896311201	1.630934646
2.3606885234	2.0603455059
12.851739238	12.3419178912
830.3350868832	265.0836744162
47.3210772682	5.0541047192
0.8688234666	1.5765047884
0.0522934999	0
507.0450210005	131.2964265572
94.6570924809	63.9196292278
9.668806673	24.4840782196
112.9165454225	28.4569819291
0.161793821	0.9688122537
20.4532142857	6.145323923
90.053308132	28.0957803802
4.2235685824	3.6541118218
4.6094306159	3.763774084
2.1719839353	2.8573166178
952.0396890401	827.729317348
165.0367396418	53.7780610572
0.1544320003	0.0420331858
0.2576261552	1.0518074001
1.8549699047	2.4816347675
1.1510619389	0.8354537962
12.4610252496	11.4369002528
1.0293097897	0.7885894129
1.8293632702	1.0364755401
20.6199579087	13.1767622194
46.8585714902	31.5172324462
421.0151498449	247.4703290722
13.5277902976	23.4054753857
17.3639672577	5.2615823282
3.2376997741	6.4896223646
8.5236798874	9.4921598726

gene_expression_table

1.1064909464	2.6873084171
1.2305792023	0.4019257471
7.2432230714	1.8254213081
5.7660734726	3.4349253436
257.762715998	152.6384270642
0.4416448376	0.7212393601
2.5825382624	1.4188435607
7.2411160554	7.9437056955
5.5726944121	2.1216194189
0	0.7943747429
187.886207332	99.794527413
0.8442247279	0.722167135
10.7783786477	19.7850881467
0.1103455918	0.6407206456
9.9710502085	21.0599645162
8.1532915801	4.9628415163
6.4845409986	2.8796674939
16.9258739641	6.7144688116
0.0464707927	0
3.8765723744	4.7529819806
0.4196373241	0.0830665975
0.1517765238	0.5783458826
0	0.017211413
4.8301489958	4.4887502116
1.4453890254	2.2404075593
1.5067203586	1.9919046442
2.128430611	2.4785867061
0.0346362451	0
0	0
1.7379658552	1.8395931575
0.0223148509	0
0.033901892	0
0.0289138261	0.00787
3.1440341858	4.8967393779
0.6646458131	0.7354736705
795.0129109512	514.7982113122
0.0268918906	0.0146388291
50.2479977666	20.3193153783
39.9601782933	12.4138231595
12.5729610764	6.7764338574
10.1594677817	1.2083210752
9.608270392	9.2655321795
0.2386826142	0.1556805849
2.1512788961	2.3036119545
2.7767027864	2.7779318755
2.5074519513	2.0367096393
335.9440150911	136.632077023
7.654166452	16.6151833569
6.1805351437	8.3121133256

gene_expression_table

20.4359886866	12.6731589503
0	0
0.5692893329	0.733026745
14.1374546703	8.8881573712
0.1340669477	0.1326917858
2.3577840873	1.2834798023
0.5295871418	1.3759069258
28.0572058132	10.4245503297
2777.3274568532	1479.4258885212
64.986126239	49.2847073797
4.0543592824	1.5406731693
5.3070325505	1.5577554361
18.0063389501	25.031473394
0.3333001403	0.5499741268
125.3571739343	249.6577236832
9.2306158025	3.0253815538
77.6788741413	45.5801023433
0.2319799841	0.3367474014
5.5130060403	4.1101360003
2.9635574562	3.226475366
0	0.0744210226
4.748067602	15.995916682
0.1077796781	0.1760123508
0	0.3193147313
0	0.3109079108
35.3860499326	32.6710448448
1.7436763673	1.2458053739
156.0171072056	215.8089965707
3.5271959935	2.9273032334
0	0
12.4497856455	3.162668415
0	0
1.9318306456	1.0038080439
919.5356287982	571.2588571842
0	0
14.0219257991	11.2676946714
73.6538054807	46.1709362875
2.8459432459	0.9295280329
254.4195120963	195.8674505709
0	0.1853691042
0.0837162013	0.6380027574
9.1912225282	8.5382744881
30.5684177674	70.1392447152
7.2163595199	7.2673302525
121.2732296867	141.463099401
1.5374747462	5.2076107516
0.4270069878	0.6973346465
0.1756942837	0.6216643955
2.0555887938	4.2607209778

gene_expression_table

5.1549146833	4.2091824147
0.6487286643	1.261217717
5.1631989978	2.4202657959
556.1417827686	431.5854223874
15.3421021811	10.4028747668
2.9964512152	1.6311436802
194.428249833	127.6140899963
0.5744195913	0.1042300618
16.8244750148	22.2262273275
1.2692948438	2.9092691939
0	0
3.400529944	2.4585019755
2.5992745988	0.946684611
1.6621567425	0.2262022866
203.0455683851	139.5974246645
65.2612193959	41.4290014023
116.6359677794	123.0839786107
0.540115615	0
1.1469259	0.4335686523
25.462497519	50.4672619825
1.0815105814	3.6091676493
0.029577073	0.032201062
1.2451700731	1.4451610715
10.4020648448	5.4050681866
1.6022290089	1.0498546926
0.730825574	0.5683301587
2.9191135793	1.9635324236
2.9408565251	2.3622744979
0.7968784787	0
0.0291671116	0.0635094602
0.0719612351	0.352554388
0.0372256304	0.1215845294
0	0.0210557395
0.5153027809	0.696598461
0.9979246456	1.4938790909
0.0726343735	0.0197695692
2.0710204939	2.1092871292
0.6327877417	0.6643222407
2.0075458457	0.858647931
0.6878777469	0.8967142311
0.5958911939	1.4597029564
0.0289058825	0.0786758138
0.0335030081	0.0364752943
0.0344085688	0
0	0.0240912
0.0449097327	0
0.373337462	0.5090232195
3.2617682743	6.6736989331
0.4484051076	1.4035355004

gene_expression_table

17.9636616103	12.2694656069
0	0
23.5563433222	28.2606088567
0.1783952103	0.3884437944
259.4346214077	198.0984755063
0.4283978901	1.5741137133
26.9871279721	19.6835806996
1.9520319443	1.2286372342
0.006838	0.0223342874
5.2614183819	4.786058171
127.1067652107	118.2117368124
5.4436400077	5.5950262744
219.5192011221	464.5551660589
0.0886091644	0
95.8939849451	146.8101284312
90.3703228839	124.8325420191
11.4768495696	7.9464077596
17.7266816811	24.5408036948
33.2716279541	20.7949072256
2.3415694763	0.3186633103
6.7975863249	6.4114522603
473.5335806025	274.1149234398
0.0305740627	0.0332865016
0	0.0201111061
0.0784787676	0.256323504
0.8236849618	1.7527578218
462.3722258126	302.1540498442
6.1442317555	4.5425766127
34.0194250475	39.3009305617
27.2757517681	13.2525704295
18.8615276804	29.6862732737
5.0500844112	1.4468717687
2968.1877578411	3943.8720047801
15.7864037527	17.7941728954
23.616520994	14.5820816045
24.5298885116	25.8079190516
8.6693613468	30.4605524071
251.5178446465	78.9424870124
0	0.0845129393
0.5919574761	0.1933422492
187.3490481802	137.607992057
0	0
43.1223086558	25.5499266748
0.7032779737	2.0492950598
2.5305927173	2.6992526894
2.4723430084	1.2950544744
0.2199392153	0.5986289034
0	2.6063444352
163.171592895	149.2257160547

gene_expression_table

7.2425161551	4.0657291224
6.1528960117	7.1745268304
0	0
1.7069684312	2.8422672959
45.6675796747	19.6601551616
6.5480041855	7.7770073839
43.3459327403	73.2642553628
0.0577535868	0.1676728304
25.0941226644	20.4706150667
0.9970780232	1.6127960285
12.2836700332	13.3271654369
1.2033052539	1.0390122145
3.4543028455	2.8687835073
4.6961239188	9.1216106483
53.9858540907	80.0478845395
0.4540980656	0.7415764216
4.6634654007	3.6396752411
52.0471878996	26.9157125354
0.1522641415	0.0828862793
0	0.1625959374
2.0554012491	2.8371476637
0	0
28.8185798431	32.3865677987
10.2211192912	4.2301287543
6.833571471	3.8912244648
13.1985818536	6.3927393745
0.5752856844	3.0177395417
35.3525391951	26.9630983461
38.8895943456	99.6836251703
6.3140193115	9.8425760901
13.833111924	14.8174352602
3.0442222398	1.5190525564
21.6636512911	8.6745061387
0.8667954563	0.0786412453
145.4994459047	58.5671951395
0.2109352883	0
0.0949075607	0.1033274742
1486.2157384038	2635.7987451801
53.436013893	38.1111228931
6.0729882713	5.8089082931
1.1429339259	0.9467740347
103.8095801138	147.2224493364
0.0143170436	0.023380813
5.3849002831	4.9438616934
1.0444109316	0.6709725174
18.93470986	14.1592139643
10.3927067088	2.1109545541
29.3606133903	24.6207478886
29.7489771001	11.2982152083

gene_expression_table

1.8140434793	2.6473135691
69.3160857903	64.8408383887
0.4843015963	0.5931758005
0.0896358168	0.5367342039
0.8708336862	1.1096979276
15.308569404	11.8055789314
0.811840446	0.7954780411
0.2900269363	0.9867414197
0.2977207748	0.8373453065
0	0.1550681439
1.7532831495	1.1643857879
0.430677535	4.5716380261
0.7226272102	1.9293776665
35.2969157269	27.2177587436
8.011258005	12.2900806726
0.3586821644	0.7987568889
3.6086102019	1.1103003974
5.58519959	3.3781676166
50.7340053188	32.0079591631
163.5782382595	101.0085290511
0.4827092298	0.8174969317
58.8285055089	61.5206421729
3.7410993343	3.1183894172
31.2131246192	39.4502469307
0	0.0176964063
0	0
2.9258507497	2.5281138364
0	0.2410032357
1.2429557173	1.5726692308
5.7410615751	6.875430432
0.1351156052	0
0	0
1.6288128254	3.6944087572
0.9895769653	0.9304552694
10.2514149092	19.871827872
4.7757247135	8.7234590108
1.0222942266	1.0016901878
0.5088190186	0.3776999404
0.047122233	0
4.9964003918	1.9082699333
0.0801237648	0
11.291130939	8.7842629691
0.9784363466	0.5770051507
4.2873226858	5.2922299432
0	0.0926545644
1.3672784955	1.6879426376
110.9519616411	15.4324015809
2.884960839	0.942271768
0.3228429635	0

gene_expression_table

22.3111151137	15.0217505092
0.6514494926	0.6501404557
7.1001908589	3.8806341011
6.230392775	6.9984720981
8.3215703715	5.5752831276
5.5947457309	3.1180604107
0.8944002371	1.0690067664
0.0804269392	0.96318393
67.405726161	208.9445307065
14.4553808164	12.9274939759
1.9085298072	3.7104443484
3.3181464996	1.3812585966
2.9828728971	3.5502378772
1.1814776366	1.8865656793
184.204811775	71.1299381683
1.4708323566	1.4652079669
3.8073452565	6.2973961003
3.4868850698	4.4289362046
4.4478766349	6.9005324051
64.0108798269	47.1430544631
3.685401303	1.5949127141
0.0845436093	0.0460220321
22.8120752396	29.5974252552
0.7448576006	2.2116521674
1029.6440658939	867.1839334192
2.3604949235	2.0262759319
9.3454793604	29.9302293024
0	0.0364317912
1.6532023627	1.9284316149
0.2456561331	0.2228750057
2.3626819226	0.7015341712
5.3432942794	6.2362791865
0.2206217693	0
11.8706992655	14.1525061953
0	0.3659707282
1.4537412338	1.4096035755
0.0226814094	0
3.0381165633	1.3543130308
0.1223292589	0.0856169634
408.3577892683	475.7239207285
0	3.2017520813
0	0.3197306604
1.0850853077	1.3079241163
2.605049825	2.9164307516
0	0
10.3782633584	7.1149665712
2.5128856413	0.5015672387
72.3899761224	44.8093456809
50.0748347247	41.6687235637

gene_expression_table

2.8042405655	2.7071739439
1.3782145713	2.8023775652
144.3893179957	53.3128329564
12.1860401368	4.1032419555
40.22540042	29.327543565
37.2402553138	133.249921098
3.4652506372	3.3658199067
53.9240099807	64.8518450709
0.6025046242	0.2342703655
0	0.1641571194
3.6515331884	1.7478430871
0.8768790232	0.8353389577
0.0955757113	0.0520274506
4.5148696275	2.2119368806
11.3498380077	6.6967012941
0.7406090302	0.0435845209
0.1438535983	0.3132317143
1.5892898798	1.9417664111
12.1355748845	12.9141869138
116.6366296106	131.3047519018
0	0.0359492964
0	0.022989772
0	0
0.066169534	0.018009974
19.7042370273	28.4300583984
2.3805956342	6.0333586741
8.0136146793	7.4938902871
2.343441662	0.6214814165
0.2396504179	0.1087131178
68.3975575742	78.001041257
0.660024602	2.1377755023
0.3479028579	0.3314217845
367.0328487532	857.2674886357
0.693541981	1.269892037
100.6231075108	29.9925045828
15.8772394488	2.8626199405
14.2886891587	15.512641132
1.2116412686	1.6788983783
0.0890591855	0.0484801244
0.4432573591	0.0804303033
1924.561817375	3039.2393288227
3.7857163551	4.1215737312
14.8994960065	35.0642988356
10.1808341486	12.2471879038
0.1796542676	0.8312687803
1.0559466258	1.7819219067
0.222582022	1.0097034582
0.4156828359	1.0182621772
0	0.2598657848

gene_expression_table

0	0.0776076138
16.1089600306	14.3883992145
0.3555295351	0.8951017958
2.101888278	0.490363176
154.7693864663	188.4704388636
0	0.0591647322
7.1097012665	13.6320709677
0.0863830228	0.1410699974
4.6768714881	4.681161286
15552.4610135569	14208.1391203758
9.5918744357	11.5779276511
22.8179444563	19.8128644629
0	0
59.1646795499	48.871373086
5.1050228918	7.5031989907
5.6566947204	4.618904755
1.9618408401	2.0815871881
3.7339768554	7.0083113719
1.4295116457	0.684250127
133.3313392399	348.0813601921
0.4812446682	0.550136211
0.9360082005	2.2340668452
0.2825973391	0.0769171314
0.1731356291	0.5654871051
77.3135814158	116.174665844
37.3427486959	8.8312112222
2.4531247797	1.557942538
3714.7032428419	6289.9477565253
2476.689505085	3338.6127851685
43.721652875	47.640983123
0.3930804052	0.0713255529
20.8905166234	12.010034535
1.0124569072	0.9369371847
2.2377815657	1.4942706362
14.745646089	38.2459021927
0.6370670665	0.3467928709
29.5274621191	15.6194705273
141.1980072087	92.0146403006
585.2959234663	259.8211940404
8.6690195759	8.9413663602
0.1338834261	0.3401093763
0.9685851181	0.6982599844
0.7006960828	0.871839695
7.4724870725	13.8094930368
31.8195429736	29.1545600069
7.2755602062	5.6707345508
4.1751794365	2.2727944033
3.5300651849	3.0341383876
1.820137894	0.8328527052

gene_expression_table

60.3076208682	36.2543796638
90.2412994995	22.6471914523
4.9962440638	7.3143858682
6.687266633	4.3134711073
0.017197676	0.0234042526
0.0968826168	0.6328665079
17.3605553681	9.2769646216
6.6445366293	3.4302160313
0.1041315536	0.2834244802
8.7949887399	5.6439503548
4.90830947	1.1756271853
0.340389912	0
0.0820114362	0.1785744886
0.1164167208	0.0792155389
2.772732178	1.5674126414
1.3212008091	1.4857300162
913.6002229463	872.9710555387
3.9373417721	2.7386936302
51.2775703227	20.5551259229
0	0.4935322616
0.4763855918	0.4667841806
2.6340214081	1.5931688168
0.2023226494	0.0367120178
3.3647710623	4.1720728035
19.6509895372	13.3863086507
0.1727944191	0
0	0.210999912
2.1869987524	2.7598217754
40.2273355075	35.1500737144
26.8704285522	71.5358864138
771.5088674579	1377.525896956
13.6536897106	12.0686171269
0.5643042199	0.0767959493
10.657913313	14.3687598458
25.308056181	29.6603287447
0.9667316347	1.9192595264
22.8140981757	6.8407523161
24.022229376	12.6124429761
4.2771923283	3.6965175476
0.0966956362	0.4210967298
2.0603365888	0.5607808645
11.715145933	1.0525540483
0.067744847	0.3134586061
1.3236909644	0.3431249638
0.9312196897	0.4345005864
0.7198509465	0.2712856011
6.1997434058	2.7681624631
1.1857829573	0.8714128885
1.4881827694	2.2810849509

gene_expression_table

18.9319489586	21.9877220024
3.0476177724	7.7338519386
10.4998670873	5.1580633928
0	0
0.0996271018	0
0.0721982583	0.1375560738
0.0622497467	0.4066341424
2.7575464687	3.9760681041
1.4358411262	1.4566411373
0.9100477605	0.5189823375
1.3208225354	1.6177521833
0.0488824205	0.0266095609
3.1464435697	1.8516684247
1.1763369964	0.8164450253
0	0
2.046815847	4.3676702656
0	0
0	0.0711925655
0.0349480242	0.2853638094
0.0538925994	0
1.1742167961	1.406228759
2.6815934877	2.1351540849
0.0396168845	0
0	0
0.7851829985	0.1672517101
68.7404127865	126.6666103117
0.1502420703	0
17.3192628477	30.640635659
114.8124822743	86.8318234434
35.3427517531	20.9580870497
30.899911675	16.8908617541
4.4958480458	5.6257337161
8.2018628443	7.3947483679
0.5598218703	1.6543234422
30.6051015993	16.6257253194
145.036751166	144.6692494912
1487.9300868794	1927.0245206742
1.2360002561	0.3364136209
3.1458541446	1.4011138099
0	0.283069616
0	0.0956966065
30.8193484985	17.115015647
0.4942201221	0.2421296306
0.94730962	0.7305410582
49.4222701564	68.1553628574
0.66616767	1.1604289014
68.9197018654	46.2474022934
0.2389609852	0.7154424354
1.1024573631	0.9547555076

gene_expression_table

0.5370828065	0.1461827947
0	0
0.0695909265	0.0757648243
0.1929479586	0
0.4358771691	0.4745468814
50.9435502019	9.453187802
0.0981173657	0.3204661303
3.9131036757	0.9894803161
0.5281411619	0.3194423657
0.5569172571	0.8395273138
11.1756357352	4.210263311
1.3074458015	1.5183343607
15.0599323019	9.2495783022
25.2029742439	16.8484512767
1.9399258126	4.0320576541
16.1828339161	6.3227775833
0	0.1559123968
0.1116926983	0.9930808667
23.194383369	18.9390895087
101.2742576231	57.6471031231
13.671747134	4.951042714
0.3326999846	0.0402462364
1.1703041395	1.183120719
17.8960773381	38.1175642183
0	0.2240344962
1.0379597678	1.6950666579
9.6488596547	4.3389711335
676.5256138462	889.1774435633
137.6294837233	75.2534973114
10.8780091464	10.5929712269
9.675195114	3.9325250882
34.4965645245	9.1484990356
0	0
27.6439428295	44.2326324791
10.8585729926	5.0174397987
35.9360558567	40.1448258841
7.4349046295	7.0537846895
22.4969772818	13.1425003095
0.3564177568	0.7760761377
17.277582855	43.2963472905
62.3971601674	49.8955060901
2.4538729519	1.952303481
54.4221821279	16.5446499834
12.0183797321	9.7717012861
0.1404217701	0.0573298378
0.0169468506	0
10.1158885738	3.603753391
9.443614001	7.1510456409
2.0673640239	1.9392484851

gene_expression_table

0.7508886797	0.4360028087
0	0
0	0.0256009382
0.2737466419	0.1490163106
2.1602406693	2.822268874
0.0158975147	0.008654
0.1334955552	0
3.4349531013	2.8307389439
10.7639177499	10.8127627425
3.1319671605	3.5519019512
4.8567664664	4.3644047275
4.8096171693	1.8507654299
4.8255729526	3.7084823156
0.6718679553	0
0.251213566	0.1025626795
19.3220355672	51.3579797011
11.7889635645	15.0744823559
2.9493595665	0.4225023529
4.3311359789	9.6636210274
1.5933546966	0.867356168
2.7847530291	1.3375623298
5.2111202339	1.9093291396
2.2242040454	2.5268126013
5.3660345174	1.4605232427
0.8132837737	0.2213589664
0.2666696789	0.1451639056
2.962746126	2.0663949115
0.5757292575	0.2089354089
4.8362139744	2.1207330821
5.7407735319	0.7543197229
4.4666866416	4.4140692558
1.6025769974	2.7334460715
0.1892177355	0
0	0
0.0800871717	0.108990331
0	0
0.0608176427	0
5.7469827764	2.4352961553
1.5518048159	0.7626108185
0.4348477609	0.2028969202
2.4680542026	1.082268945
17.7610411762	37.2189606345
3.2213584159	2.2256898561
0	0.2991947259
1191.7610908721	1374.6316557548
0	0.1478431052
14.2951698418	7.8944753911
0.1420090725	0.0773038453
2.533254939	1.562865365

gene_expression_table

6.924126779	3.0679593873
2.0767542135	5.0244391224
9.0404963026	9.0918396081
4.0319229161	2.4996464296
168.7609265938	69.037357898
162.5264970888	265.7002485997
232.9865214735	87.1834187578
4.4959703492	7.7261679539
5.8640349065	10.467909471
445.0356902505	224.8212966166
117.9089316861	107.3434258359
0.4339936277	0.2362481189
0	0
63.8209874716	30.2085264507
49.8775358635	47.7643452453
17.757889154	21.6177775159
10.4965014797	13.1418774723
65.5644074565	43.4899007221
0	0
14.0475559583	20.437267833
0.1132093673	0.2465059242
14.8503332304	10.4227059483
0.5553682861	0.1511597228
0	0.356405843
0	0.0133081811
2.1775655156	3.6746665035
106.1885692819	81.7360591329
30.5035254327	16.4255835907
0.3063548853	0.2001202619
7.4489745463	0.6839611596
1.3276870253	0.1628704707
0.5502371924	0.0698894679
0.1498515532	0.4690445562
20.4320124686	14.4878169376
0.3387460457	4.0936642014
10.3504715533	8.8086584854
2.3328390233	1.1182708051
2.8919825113	0.6220926405
0.1014683117	0
799.2377656605	357.2894928452
1.6014011888	2.0251105848
469.1756396863	85.6869079328
192.0697046907	216.5707374555
0.4381916988	0.5367000929
0.1599491058	0
44.7117360767	96.7773487362
10.0219701207	4.1576529359
1.9297118198	2.1665634913
0	0

gene_expression_table

417.1646881432	129.6536126831
1.6685401256	1.4663862091
62.6501790488	17.5233672619
0.8623355762	1.043154885
23.4657422469	19.1606642752
78.7608437322	68.4568316198
2.8422206785	1.4657560835
0.2524707364	0.5497383625
1.4020424326	1.4819066232
0.6989905313	0.1342946242
0.3602884515	0.2241440914
40.2267026102	23.2188180599
0	0.1445228841
456.7940330242	117.5738952648
43.2276717471	41.2020626336
23.7524422123	8.5001750551
21.9578132451	20.9566757193
43.348054859	16.4661861358
5.5418090274	6.4162296653
1.8089694271	0.6319895341
0	0
63.2459361511	30.347502728
33.6042348414	18.699547959
2.058484167	4.0615525863
36.0897249979	24.7433707748
307.7096511585	93.6905448155
4.0531414193	3.7685306669
5.4350750828	4.885178618
0.8113140252	0.4968513939
0.2249134711	0.2040559319
45.3033377435	10.5755389771
8.1384865739	3.4280374046
36.8232322162	20.1625563296
2.8302058225	1.4348006393
10.5766887512	8.6564910361
0.3117376188	0.4565839149
0.002553	0.008339
8.9159333745	42.5120942383
0	0
0	0.006455
26.7143456572	16.311350139
0.7170532138	0.7510972614
2.6041049864	1.6695785304
0.0879891744	0
0	0.0178842838
0.1602157432	0.2203321293
0.050119337	0.005457
7.3160836973	4.1366840864
1.3862255837	0.9089544272

gene_expression_table

0	0.00392
0.0102263106	0.0125252529
0.1291815375	0.2166649111
188.8854146965	159.8581462451
0	0.008864
0.0838184623	0.2889728505
24.2637021094	21.8132417242
1.7023018278	1.9702012762
23.0046351869	27.5751783515
9.2936614311	11.3384486028
0	0.0326936775
3.1673233279	7.5431972293
1.253530608	1.3895535317
1.1703099508	1.8116625971
0.1506310337	0.1024966039
3.5355980674	2.4223827255
2.5539889523	4.3847468536
6.9137846594	6.283260619
4.1123471665	6.6734744094
0	0.0274657934
0.1319687016	0.0426539812
0.2578260693	0.261986315
63.0385659986	20.1196551313
9.849003009	5.0444591081
0.0580350768	0.0334502335
1.4876567239	2.2270010908
0.9639532641	0.6133740134
1.8836894693	2.7961203475
5.2156212997	2.2964830233
13.5693331686	3.2671419547
489.3943898738	366.2774939241
223.3560693144	130.8075657259
12.0999450057	4.940030909
0.9625804637	1.1698355823
45.9121682006	136.3031877597
0	0
0.00533	0.002901
447.2526826287	635.9125365519
97.0234559153	69.4790658615
25.3350849366	45.2766998401
7.2402759863	5.5142932532
0.4845391749	0.7683531367
7.3794474454	9.1886640563
18.6311485063	10.2400822437
0.0316827709	0.0172467855
20.0399567609	14.5796950239
5.7688265854	7.4401185325
17.587256445	15.4820984578
2.7101026023	3.1774989716

gene_expression_table

45.2260312683	71.5349596127
0.2941417998	0
1.9082367761	1.5196745812
20.9247725247	39.259585452
0.6179799623	0.149512286
0	0.0227577458
0.1275190143	0.1079805362
90.3610543662	44.7682449652
0	0
0.0965093761	0.1050713978
10.8033997298	23.8350327157
2.6051766345	8.1618005656
14.774217628	11.387236841
11.2148586866	10.0321434489
2.5312675874	2.5761057325
5.72310648	6.2801825415
1.1113036137	1.7503149547
28.5203215101	14.9153576659
1.4335624191	0.7194053306
34.0454486722	26.144334131
0.1043794859	0.0189399534
6.3229305156	4.4849533629
4.2453544248	8.0805126931
0.9208342535	2.0122167148
1.1507459787	1.7803468938
0	0
23.4152658644	6.6616459458
4.0681113791	2.5076080401
91.2172172138	86.4369515727
28.0725166143	19.9630556527
4.1286375329	3.4465222025
229.5048881517	195.6600230491
2.0572529971	3.2490437059
15.5842986879	21.7816181776
0.6233297598	0.7133323577
0	1.1999668754
10.874664715	14.5429246928
0.0778041276	0.8470667598
1.0093903277	2.217504743
6.5636726963	7.0832979564
3.8716696936	3.641767864
1.9247163818	3.0243917604
4.4228608548	9.1531142462
2.7224493112	3.6923044712
3.6822781206	6.7830150574
3.3914743821	9.3088970053
1.7791816244	2.4155844547
131.8963976544	95.4412158318
2.4292756706	2.5820713259

gene_expression_table

0.0491656644	0.0802912415
3.136503679	2.5243557417
31.1477054155	36.1497518122
0.8033175934	2.7330797367
17.352854903	19.0689120319
16.5382107619	2.89373
5.0758684485	7.0384170901
1203.0805750304	1467.635589317
43.712602142	35.7447507314
2.5952824936	3.1690866927
170.8302333292	105.8081635454
0	0.0225667529
0.1315894299	0.1739630018
13.0468838913	6.6342088676
0.4164756278	0.626034402
8.2198845156	11.0465798292
509.5750213183	130.9321418254
2.0294806567	1.7676240644
4.6713450493	8.0534849971
25.0658546739	36.2042317988
1.0491806726	0.6242588248
1.0942747977	0.3790676809
0.1208132365	0.0563706102
2.7813625878	2.4201993454
0.5102091329	0.4092961553
16.4938869707	13.8385569164
2.400505151	1.7215720037
17.6107996545	26.9622799681
1.2400757445	1.2825869604
0	0.0271095844
1.8139715819	1.6457514069
2.1791310856	3.3350523222
0.080537754	0.0146138036
0.0418614314	0.0797566907
2.6182182975	2.7989837174
0	0.0748660749
1.3888920054	0.7506547707
3.7274348156	3.7239233769
0.1434759783	0.009763
13.294892657	9.421191201
1.0197050028	0.6142941584
20.1560386589	7.0896716665
7.6546847545	4.2626833255
2.1757315452	2.9384566962
1.0660722038	2.0784706288
0.3841117232	0.6828655181
411.183188642	118.5985443165
1.1992536679	2.8791208971
0.3554678089	0.1720017087

gene_expression_table

2.2088293159	3.3040602288
34.0663858529	26.5894620553
0.0611850674	0.3145624406
0.1109243529	0.0528347873
7.6102749317	11.3521228699
0.0622221366	0.1862913181
1.5693621406	0.4881689236
0	0.0148677835
4.0471447642	1.3463374476
12.1076334168	19.5736255723
0.3737981108	0.7088986841
15.2404409679	25.8303365917
0	0.1655569272
242.1392892902	114.0044137806
0.1438437649	0.1566051513
23.6276425987	25.0075354396
4.9500065761	3.350561583
64.2324251743	92.8308510271
0.9045623857	0.568161024
10.8684231794	6.0648453325
13.1642008978	9.1309278179
0.4505010567	0
4.1010424261	0.124024294
118.8689459372	259.4482226512
0.0373432198	0
0	0.0264217461
0	0.027585844
14.0890617155	13.4583571314
7.9235034673	61.9536161303
8.7518673033	20.5671985319
4.5602571753	3.0300062298
2.1969530328	4.1458908441
28.5606477395	68.9084911835
0.3736311143	0.8135570875
58.8095460099	31.8814617482
4.6693967477	12.2507669516
0.4319151141	2.1160499617
5.1243398149	6.694747009
4.3806854241	5.2887582849
246.7468861122	73.407636533
1.5319448846	1.5487219709
5.7004209823	2.2927160603
0	0.0497865255
0	0.0637487411
26.7016899438	25.9640964495
3.0276083528	1.4525665306
1.4331399658	0.5400982509
0.1245997511	0.1130448887
54.4729081193	25.5252957637

gene_expression_table

0.028608297	0.0369862777
1.7563255236	2.9645902645
0.4818851025	0.5763612258
0.2709126926	0.0867491919
2.2062642811	6.2890705194
1.6929789197	0.7372699683
22.6756329147	8.5942685262
7.2984959486	7.0973425161
27.2132140877	17.6794296519
6.8304221522	3.0984986146
0	0
7.7344502682	5.9015153712
1.2832652602	1.4043143088
4.8481965118	4.3828856772
29.8655647578	37.945243016
12.4598486313	21.4137144151
16.0980997012	14.1393961155
2.6059324285	2.6716240837
2.6599373484	2.9530752908
133.2650726778	142.6426468471
0.2560379343	0.2322940419
10.3317771467	15.0106648661
0.0596133158	0.0811275376
1.3745477666	0.8514532056
0.0889033054	0.0898769294
15.4623116891	12.5696132961
18.7264986079	15.315049187
14.143591455	4.5068395249
1.9080865063	3.4774719559
0.747867398	2.269126406
0.0531198676	0.0289162513
1.1985539413	1.3579301926
0.0100583266	0.00657
6.6284772116	6.8611760695
0.0372374878	0
64.0535409171	58.5115196641
27.0141013145	29.3518897631
28.4252052446	27.7774318294
10.2998750363	9.8001638238
0.1296517079	0.1411540177
0.3137485243	0.4212861321
16.6221466745	13.6724087783
2.9554640955	6.033119975
0	0.3046187584
0.182703283	0.0351021475
31.761430476	36.8081099498
267.2012415238	65.8770775646
0	0.0578763328
0.8331183926	0.2811793472

gene_expression_table

4.3328874065	2.8442472691
5.6695626674	2.8737467205
6.9959433042	16.3473353975
13.58801004	11.8562378103
22.7595034991	37.1920132086
24.7056933997	20.5638442347
2.1796180353	2.2780677082
0.2969644984	0.5927355429
1416.2615983157	944.0190139041
29.8227102607	27.2735328393
0.0558458551	0
1.2440312419	1.133572201
0.747007567	0.5936942781
42.5315791682	11.9409695632
16.9994611101	12.2282371703
0.0945857823	0.0367775531
4.5879605477	6.8957392592
0	0.002497
0.9941930136	0.9439489792
32.8108429043	27.2566491233
459.3367195023	156.2880386725
2.3868623955	2.3919094305
4.762923738	1.7284920053
1.6767544918	3.2144869552
138.0293344601	25.8311247562
0.2708968274	0.1671269885
3290.1216878673	3513.9586853918
7.6708346546	4.2984982603
6.578790385	4.1098138708
0.0974172455	0.0212119621
4.8031617352	2.0641909765
1.2230691287	0.3328940364
65.4878538385	35.6488696955
41.5079085565	32.3947509172
5.1520099479	20.107128576
25.8092489619	20.7015972154
0	0
4.0013494133	4.6607100044
123.5792014975	282.2641288819
39.5766491629	39.7125618285
33.5542987915	11.3401031861
116.7028101258	42.352110887
1.9372406818	0.2839182301
12.9306333389	9.9689686069
0	0.0158063803
371.8789132571	503.6198908782
2.3490627774	3.1968307079
0	0.1550891388
5.7316317434	3.8646227974

gene_expression_table

6.8708480875	8.7706346746
66.5062308801	24.259048446
0.602101623	0.5363331294
12.3298267734	10.9067497048
18.0746244235	12.4669029752
0.1832941741	0.4190665127
29.9554112549	17.9875633372
350.5477866778	458.2773088948
0.3322626302	0.1421121319
1.7772723277	5.1598575642
67.4031779596	59.8032157874
22.3384850828	13.1676589895
10.2493872922	9.0262638137
0	0.4784466955
13.2384958526	13.8124347708
10.3532124772	14.1116630362
1.6133968941	3.4939724882
99.2938922024	47.9245211425
3.8377050554	2.5069048277
0.8792676674	0.2724548086
7.9940899088	8.2290831843
2.6479806582	0.5114825318
28.8825496056	29.2485368472
8.9817811638	2.3727528465
33.5561773417	18.8252015902
0.2742246711	0.3731913246
0	0
0	0
1.3313027669	0.5888236034
0.3996134328	0.4700798035
0	1.5542583165
99.0288092234	47.227371795
0.4112941277	0.4328568096
0.2306830121	0.9543643589
1.194612378	1.4893908165
0.0812091091	0.221034343
0.9302787073	0
0.0206018194	0.0785034282
26.1424188669	27.8924617774
4.683345661	1.5459863535
0	0
0.4134964487	0.3052071938
8.0242501833	1.939271911
0.004697	0.006392
5.8760531023	6.7327042964
341.7706614161	151.3479724354
4.2350569899	3.908474504
2.9147904717	3.8198845735
0.0294454612	0.005343

gene_expression_table

3.0513341446	1.2303849401
3.3277241682	4.5419420123
5.4875714742	5.2170924494
18.6323252651	7.2283261746
191.5125851708	154.7877550701
0.0106904685	0.0756528157
3.4883388779	3.1325916525
0.018270035	0.005683
0.0190623284	0.0168622032
524.2644109863	429.4658633491
1.2566730626	2.2209194022
20.4008155342	31.2995727671
9.0686380447	4.9864547242
0.898337077	0.5798349422
0.0304355037	0.0773165169
2.0659232892	2.4634158694
61.9644737439	20.8984848341
1.2599907511	0.5417928331
4.4624704978	3.3797338903
0.090953079	0.3960886512
185.5912144073	439.7991802746
9.3911687906	8.3713729441
27.6369156857	33.2609014413
10.7795161397	11.4966608402
21.3917355013	22.6940746308
14.080556322	8.4000231498
27.1220135965	12.2666888537
70.8611885079	38.9891989748
30.5516266921	14.6291534364
2.6847594777	2.8793172499
0.7151556857	1.0366531464
344.6916643055	393.1901330815
17.8455405112	11.5517803236
0.8868883546	0.4023210099
8.4316379809	10.269491105
0.2003322959	0.4362103501
0.401043338	0.4016928817
5.0314844114	5.8434402788
1.6976962154	1.6796852166
3.3232381876	2.528287008
131.5989870081	86.774088963
0.6315397467	0
2.7242383075	3.7657244181
2.6276608406	6.350523623
8.9774951131	4.1375353774
0	0.009879
0.0617661518	0.1569070046
0.571419111	0.4306940979
21.4613328623	12.8582723778

gene_expression_table

10.283791333	13.0562842165
6.3552395718	6.4834129743
3.3761603925	2.8907716791
0.100013804	0
0	0.0235200341
0.2155681892	0.0547616419
0.1391986143	0.1515478969
33.8952579262	63.1945342312
178.7694997983	53.3775722641
3.3764811609	4.1845085605
1462.0598820364	696.0941208722
23.1910665558	20.1727772293
0.4740223243	0.3010444268
0.0302158243	0.0904653239
0	0
0.0125837381	0.0116451101
8.1558170993	9.8795262489
0.1082286908	0.117830415
0	0
0.6862548494	0.9515428093
2.8883256769	3.4024572037
5.9324789721	2.5980849707
0.5915506985	0.1288062597
0.2813733021	0.0875245416
87.277186022	53.9224809572
2.4733079878	2.4234591945
0.0720334936	0.0261413629
2.0834813445	1.0151439022
6.593765728	42.1153028511
2.1862443548	1.6510883109
24.079429033	5.6665729397
12.0716093189	9.2250705152
0	0
7.0471171748	2.7855519976
8.4424000768	4.0877472886
469.746890168	158.871529908
1.83170015	0.8158103516
0.1689469386	0.1365581024
24.8281961705	17.3725139507
41.1741816582	20.4253267967
2381.0073450402	2335.3427783576
20.0807614035	7.4709183049
7.5880608281	4.3270990763
2.1438625659	1.8477971903
14.4274093438	5.076160878
3.8270771784	1.0767628218
0.4638503921	0.829645822
36.3949603709	38.1997002296
31.6427099168	15.4751389788

gene_expression_table

5.2397895658	1.6756633277
5.9302162984	4.9271971223
0.1871014338	0.0911291758
0	0.4630106626
43.6271538508	13.0024314631
625.6703082479	474.6549385777
58.2337868918	32.5479036993
517.7510411118	493.6474498218
14.3886000369	5.0066931011
0.3500344501	0.1905442272
1.9867992944	2.0273997212
5.5710837059	11.7963572931
0.038758757	0.1898879285
11.2803600986	3.9016172714
1.7290426745	1.7957469132
0.3612360733	0.1474814445
0.6134446548	1.3595876565
7.9733633004	4.7233417159
8.0016518045	6.9199591239
1.1219690947	1.9951278066
4.2132423316	4.2698403844
1.6344238471	0.9179573506
2.1238562265	4.6143254141
12.0698923121	3.976789845
46.0031397512	61.1517393699
0	0.0362427507
35.6694207819	12.1309366035
1.8680818627	0.9039166536
11.5566224247	14.1082190184
4.0556392938	10.6662217597
0.0371582059	0.005779
0.185275977	0.2218844152
0.4657570686	0
25.9544640414	24.8537288381
2.9913639398	2.9872247221
23.7035133995	12.9880054845
0.248701547	0.2224146006
29.6898818379	19.8311365231
0.3999601684	0.1360760726
6.0968362426	6.7629694026
1.6211790724	6.177518224
6.9085410715	6.9643019167
7.5332593174	9.8614325183
0.1769798516	0.3131065797
5.2990034536	4.1340894009
2.6216242973	1.1496111226
69.7378101317	108.4887899474
2.230948308	2.7656476139
0.5313022904	0.5387411186

gene_expression_table

53.4007149186	25.092694925
95.3761692099	33.8329901045
16.3886667602	5.7323329653
4.3526510772	1.8982933102
20.7078559048	16.9720746152
0.5938284332	0.3232555535
2.5620419269	0
0.5086418443	0.1277923892
4.5704875769	2.5998999724
11.3536506132	8.0871926672
1.0762824344	0.9391367682
16.6936201184	14.8277377326
2.2167155571	0.6488793689
1.0277108678	0.9704625958
4.1559170906	1.8098470253
32.2993109201	13.6869015903
87.9858741844	32.09774793
6.6381401766	11.3365584636
0.2831391868	0
9.1204968858	11.3572920522
35.8604368778	29.964632961
0.1163105481	0.3798878109
7.332533403	6.3465277128
0.4755100413	0.8628264381
2.1915286556	2.5010663302
0.9327179143	2.0166293525
5.8134570547	4.9724088934
5.5529069901	4.2852239825
4.547593856	5.0614162777
0.3889391478	0.21172233
3.388147282	2.1517612229
74.5119906942	30.7874436403
0	0
2.5240612353	0.8455348804
5.2511504627	2.5390280264
1.9019255568	0
0	1.6798915155
17.6044032828	8.8075506181
163.1342228081	103.3908188601
0	0.1099950431
577.2149876938	300.5018366676
8.9200008623	10.5018157798
4.1378144702	3.7777385932
0.6318530514	1.0019546386
5.2498173785	4.4854993744
12.860950214	10.1676643347
1.0659632603	1.6118504398
1.869196495	2.9600378032
0	0

gene_expression_table

7.3223030913	6.9279744561
28.236895146	18.8644014881
0.4243143202	0.0944914523
0	0
0.565533882	0.5200222535
1.2754993214	5.8632217688
0.0925190568	0.1007270695
67.4354739288	31.6125039729
0.5532365222	1.3853314083
0.6185451017	4.0405233836
0	0.3427553499
473.6866970219	356.1242506792
0	0.0996250112
6.5444016249	7.7508459721
12.1685527071	26.7327936505
2.2896053707	3.9727920668
10893.7497186332	9159.8402113702
0	0.7228196115
239.0448079166	316.1461311358
1.9417026844	1.4435163555
0	0.0750549325
0.6191760473	0.5392859881
1.324813273	1.0642179887
19.7375355326	4.4259170484
3.6043799893	2.9067775912
60.4306961409	75.6865589334
98.5960571873	90.4410964722
1.697158408	1.8350695487
3.2343410871	1.3778929983
0.1221132513	0.033236693
0	0.1251899868
0.0687786187	0.0374402255
3.1313845774	5.1137874074
0.6040875995	0.530387448
0.8063935758	0.7873538577
0	0.003561
0	0.00535
4.6913921434	5.5818753432
9.4363972	19.8498955188
29.8404585725	12.8353496094
1.8413820052	0.3898113104
20.6146797905	13.944834609
0.2318419677	0.025241029
0.6189089518	0.3369083468
0	0.1721826882
14.591091021	11.3553026152
0.0179891809	0.078340508
5.3069921756	7.3545416412
6.8616689493	3.9571013295

gene_expression_table

18.0967965087	15.2933858669
232.7212938524	186.5014341074
1.0118671694	0.9656048861
0.9388631008	0.8417757049
1.2738784631	1.2482038182
20.5585795413	3.2269212314
25.4324243117	12.1710562177
8.5235354666	8.2589489431
18.2083452609	20.4632102428
0.0533258264	0.0290283667
2.9221182933	2.1001945853
7.5351523339	19.7535218058
2.3800433676	1.4944558791
10.5716225923	7.9981307134
0.1750851816	0.1111939574
316.507395627	185.2719299776
2.7522562396	2.3625683416
0.5627435426	0.9849227114
0	0.008994
11.2654990971	0.5704623403
5.3657073202	28.8277008969
0.6016211899	2.4071074099
47.0851846355	46.8796626365
0.1433375257	0.1560540002
0	0.1347316372
0.6677225231	0.2827070005
145.3137626253	161.8769999818
0.0436774137	0.0951046851
0	0
3.8431050445	2.1485681535
0.7899778892	0.4013624314
0.5431361359	0.5913215414
3.5868586977	0.7593199484
0.0589869448	0.0294342075
0.7495246433	3.9780985566
2.5231300192	4.9260649034
0.3157021958	0.8347251253
7.9222121111	15.8125860886
2.4469537587	1.5275459525
4.3285388003	2.5843036705
8.942561257	57.8397303543
6.0166662026	2.1554888857
18.9260977886	13.8580478982
2.6411773143	1.5169932284
0.6016383909	0.5614405205
23.544031147	15.6954383082
2.1400600105	1.772403202
0.5086014615	0.2693787832
0.0888486082	0

gene_expression_table

57.297817531	23.5894945007
0.1838932479	0.2502596302
0.5111045473	0.3179704037
0.254113457	0.2053973381
31.8883489774	18.7028916371
31.4990059052	25.9691464862
0.030587284	0.0208130599
0	0
0.0161926789	0.001763
4.7782585029	5.9453385543
2.2891501048	2.3981899566
16.164689233	3.5284666383
17.6587835221	6.9616469154
0.2336024019	0.720592897
0.3170831228	0.1726068922
16.180404736	11.9434537129
0	0.1310267637
3.3722951807	2.4397544032
1.2246707033	1.5833172709
0.1455148631	0.0396061261
11.8622621988	10.2437602624
46.2550832995	33.6234080634
16.7468384266	9.3463477419
112.5928754582	148.2572686057
8.3317321523	6.4837759589
176.8197072169	74.2583188899
5.7547755263	2.0031981629
57.9949213994	25.2437385455
76.9912766336	62.781899187
6.5837991526	4.3203744803
0.7110937267	0.7741798248
79.0808239378	67.2047124127
4.915075034	2.6060677196
0.0530395331	0.5389537164
87.4264987217	32.8920877688
0	0
12.427541314	10.8545138862
27.6423561886	14.5924315436
34.6311360306	19.0612170874
381.8006116292	361.7690842742
83.2346749045	28.9499653395
4.0462546558	1.9506802321
0.4985879483	0
199.5914962893	157.0744794726
22.663332644	20.2943283131
0	1.625574805
5.6838229074	3.5676144329
43.207143222	62.1287656022
2.4339786376	0.6309318825

gene_expression_table

3.4675219049	3.7751500258
7.2604493644	4.0236750883
0.1627532048	0.08859609
0	0.0219812784
0.1827434161	0.2558003948
2.7422166175	3.1033464321
2.1231216015	1.0853899365
10.6773881362	8.2167068162
0.3219896895	1.0304211439
0	0
1.0257492701	2.2335013244
163.0381774731	104.005723471
1.6006004167	1.5739620803
0.0268028332	0.0802469251
2.4471338946	2.8973569309
648.0496150671	393.710710721
7.1574504626	9.6683952393
14.4232119967	19.6794781196
30.2715206342	37.0969201954
9.2110610816	15.0789575133
106.1529816607	113.5540080207
198.6999586607	91.256820826
0.3716514369	0
33.4464812579	18.4827380334
56.5249451031	63.5409583599
0.9182832219	1.8705010275
2.06989828	2.4268821594
3.9189690586	1.6533261829
0.9197073584	0.6675340205
4.3258597359	11.3554581223
0.0484926588	0
887.5924355233	1281.4138134059
9.8306497641	6.6209485445
5.8555735362	5.057140862
0.8178081376	0.4070224537
59.2725002209	22.0713729853
854.6471733821	645.8277329633
293.8625097299	145.5071605853
0.0618986975	0.0240679157
0.0767271325	0.0531580847
3.5813496925	1.9336882327
0.4497500291	0.2285035666
0.9762440509	1.084504208
20.3438575236	10.7523414807
2.196379605	2.4488559416
0.7155585547	1.2545591442
4.8410941314	2.773384563
41.7631085175	51.8880767962
2.3060260393	2.0266367766

gene_expression_table

54.0906259102	30.7398353655
1.5397012382	1.3096085188
1.734748634	1.0541304104
1.8999347431	0.9115385138
17.8786101775	9.8819487773
9.0781052145	5.4495908911
0.7234402674	0.3759103632
0	1.7421876491
18.5550943959	17.9868791831
152.9988651447	42.5033794482
1.4763250365	0.6792756613
52.5848843533	61.5742636869
0	0
15.8040608157	22.9856511166
6.7556395776	4.6714059718
55.7401934264	47.5840028829
144.7970381529	80.654556172
0.4575539108	0.684951738
1.0947346046	0.6589589392
2.5007412882	2.3595862669
5.2869482192	9.5830295503
30.710834642	63.0351515244
0	1.6034271826
19.1269575627	10.1759576383
6.4737269644	3.9421333315
0.4243804449	0.7893015957
15.5257928794	14.070767361
58.5796380615	49.2026870166
381.4738120108	188.5278504386
0.7865036203	0.5351749109
0	1.830828523
0.8575771054	0.7626420634
2.0041208329	2.6678935914
33.0598332054	7.9762442632
4.2555456895	4.8005458124
20.7115200393	31.7519024529
18.1691743919	17.4763198546
0	0
3.1455299978	4.0643509029
3.3959938165	1.711265833
0.252954994	0.2409718507
3.4951304368	3.9562082173
5.8285385557	1.2793606809
117.6924312397	96.4909641659
9.2338439415	4.858970697
0.1780405079	0.1070134741
4.781083684	2.5330346645
0.8168493014	1.2295491152
6.2454098762	4.6428193814

gene_expression_table

13.6347112483	12.3702848731
0.7761539903	0.5302036325
0.0196556113	0.1319629548
0	0.1818614916
14.6717812912	6.0907541993
36.2292832853	23.0617817864
1.1242240393	1.4512690114
0.6046029783	1.8677603621
1.2918716642	0.5809384798
3.6383328384	2.8024887153
0.0185344517	0
0.9367651019	1.1304606255
7.1016251402	2.5772199923
0	0
2.3430379207	1.5393393463
6.6209397394	3.225576066
2.58960081	1.5140912944
0.0655100634	0.0129676217
1.3602904288	2.8385283384
3.106843399	1.8720606428
0.183387977	0.3230571003
0.004009	0
0.1955296818	0.7184581453
0.3272912846	0.7440958365
2.0038095512	1.280493496
3.0135018335	3.7916417788
79.1086630072	44.4132235475
1014.2115307064	1035.6777269092
28.2670613222	40.7021945678
0.0146742708	0.1837254723
0	0.0598791625
52.5650553809	34.1282184322
6.4502231179	6.0930232939
1.812514212	0.650774104
3.7196199254	4.5097967687
22.2116906486	26.7685814524
9.9214412115	4.8864569389
2.2141838779	3.4573360286
1.8918640802	1.4181572483
6.3677317663	8.9324629201
2.23053894	1.4570553902
12.4692322525	9.1283299532
9.2733596032	8.2981349538
104.408560978	34.5002593333
3.3987155173	4.2288449626
3.8770897024	2.3743425641
0	0.7288058063
7.5099587294	7.3585977254
12.7548529643	5.1011357809

gene_expression_table

0.7122993051	1.0770727201
12.2297322387	10.0388741724
15.5738776563	19.039664377
3.5037767194	2.1404263728
7.9266093182	3.7450224197
0.6349819319	0.8641445254
0.0471264543	0.1282684291
1.7380636128	0.6307531308
0.296603878	0.5713158999
297.8299307654	479.7867089746
0	0.252699841
1.6200909469	2.0125644692
5.5614814572	5.290374404
13.190327129	19.2871396214
0.0220913603	0.0601280985
0.2878298562	0.1709265032
5.1327683439	5.3520138649
9.8552773673	14.3251680647
5.2180704348	4.824342934
0	0.0340119475
0	0.0237010672
0	0.0297266928
4.4283826838	5.5601652929
0	0.0101413432
1.4019256735	2.2894504582
3.4233855347	2.9712933048
0.2080020152	0.1436058183
0	6.6952030668
0.0705545829	0.0384069867
3.7554261202	7.8364761222
0.0310498604	0.025353383
0.006084	0.006623
1.472903197	0.942491004
0.1816145914	0.2824669887
2.7039637774	2.1639766239
0	0.6242443484
3.2531136133	2.8120189541
0	0
0.0568765575	0.0782631278
43.0629726542	35.3324099693
7.8933315587	8.5936042092
0.005375	0.0009754
24.2928306044	18.3811979453
0	0.0346068997
21572.2013649138	24839.7075771527
0.5729390209	0.1247536897
0.0743880952	0.3374482641
3.4204981079	3.4912072677
8.7911674819	11.5627660596

gene_expression_table

16.9140072554	11.4068013117
6.7108457149	5.6366927952
0.025065549	0.0750455452
10.6736759124	9.1690063745
0.0557607152	0.2569956687
4.5470538765	1.8600821399
2.5245271011	2.0672445218
7.578790691	5.9394113057
0.1626064783	0.0590108121
2.6983042175	2.2848697334
0	0.0159768708
2.6608877681	1.1402902991
0.6533845979	0.3082520634
2.28147813	3.7258260182
3.8582944987	5.1393591857
44.0540108052	30.6088424803
0.5556171289	0.8661208651
0	0
10.2770965123	6.0196542517
7.8791345859	5.1863283939
131.6713059086	101.4452192091
0.0509957938	0.1896932902
0.0262616847	0.0540062468
5.5786491034	9.992002396
0	0.009879
0.8724180185	0.6925744021
0.1015116535	0.2235466851
0.1298303576	0.1943542104
3.8741892022	5.3314698366
0.1338306675	0.2314117938
115.5204067583	80.9204111866
0.3046752562	0.1953374649
5.566229063	6.44548149
1.1708296641	0.9596895517
0.0286209754	0.0467402135
188.6224218056	75.7115537726
4.9653123702	3.6087500809
3.2559957494	4.1689526072
19.192725611	4.3880437731
66.0971721763	136.1012867452
0.2884341316	0.0968238017
23.9987956228	9.9337745626
5.1067754922	3.1596125623
281.7388206049	594.6003769015
588.0435716253	518.8351505023
0.0333073291	0.0362622552
2.5897618717	6.6271842696
184.6534037198	164.4812442488
7.9151003584	6.14791866

gene_expression_table

5.492780643	6.5041808489
0.0458347223	0.0848317699
18.3945112233	19.2083567293
0.7726892666	0.8879754878
0.014604726	0.003347
4.7391446471	15.448764346
3.3538265286	3.1747837689
1.8681254173	1.0816436684
0.069182951	0.0515894894
0.00452	0.0184523651
3.063509208	2.7300003431
2.6740123645	0.7021232404
7.2924506644	6.0521769839
0	0.0143242151
0.058787273	0.3440145293
2.1078214874	0.8237819241
114.888234939	146.0772771424
5.7217616199	5.8570692823
0	0
103.3539861255	87.5379060564
5.169997699	12.1126649603
2.9773109079	4.895249484
6.6833180816	0.5197315695
2.5475334069	1.6406339912
93.9990751295	30.3911963989
0.262655197	0.2747431696
1.5681717269	0.2667648764
5.8051817746	0.5745636412
0.0114465634	0
0	0.0116043478
7.2910719973	6.0422927385
0.5273073871	0.3635893919
4.8293431011	5.3203806184
1.102068941	2.2197061921
2.7989352837	3.6012935744
0.282901942	0.0859535308
7.5009362693	8.5192657862
0.6286018004	0.6728351459
0	0.0381422609
555.4062068953	444.044076231
10.2383184356	8.0228222622
26.5533792531	25.4955796525
18.0610881689	15.9292557485
5.5972432773	13.6739238214
0.024411722	0
2.6451407446	1.7778416907
21.6806859742	15.453825852
0.0877573842	0.0119428694
473.3601569521	281.9820315955

gene_expression_table

8.1160061129	2.0680079061
27.0621375262	39.8282170976
64.9314141841	57.1271440999
0.5452573711	0.4387707141
3.1768323618	5.6399925347
42.3136514585	20.2099409526
17.6525502387	19.5566475675
365.3176740196	292.7670918879
4.5899106487	4.8472003135
357.8189446787	157.5403803551
22.8103662736	27.3620487839
79.0993864213	89.1018322363
16.1772309385	10.6780651858
6.2399530001	9.0984949212
0	0
51.5208431209	62.1885324057
47.7885791671	26.6644721136
44.4635921946	82.9856030532
105.6562284402	302.7705640543
16.0297129161	19.6411738433
0.3785716355	1.1849524477
19.0930538771	31.6017550766
14.1547389387	17.2690581783
14.5625635709	34.2853788254
3.3114840688	1.909934163
17.1540293537	12.9294576535
0.3765057141	0.4099081694
646.2170842562	527.0502256548
1.6327798883	2.1726652594
2.4624494651	0.6008937507
0	0
12.7151679731	22.8184936106
0	0
1.7622202172	1.8642602557
0.6495124501	0
0	0
0	0
24.5591510684	12.3079522039
0.4706092267	0.3956199497
0.9424693218	1.5333590431
141.4305537788	109.1418123588
150.6276273626	107.0279546271
14.5769441239	13.2363944307
0.033623457	0.0183032145
8.7960693466	15.2854558646
4.8165345686	4.1950744306
0.4954276561	0.7491395953
29.4332101947	16.6352830705
0.1261716295	0.6868259859

gene_expression_table

354.8755271983	164.1658562122
4.9601889877	5.1557866443
2.8118191045	5.1021254064
1.0342247572	1.3651238536
0	0.006906
32.5694809179	29.1186057867
3.7552163046	2.8234584309
18.0195866286	6.7196300264
38.8757470354	83.2204044093
0.0321752028	0.0613019576
29.8184447955	14.1839707933
0.0206396064	0.0898827612
0	0
16.4561233941	9.5594531484
55.376064105	36.2755017515
50.4745341066	41.79484627
4.1283724921	7.1700038686
1.6573890769	1.723632386
100.3508897211	125.1725891313
86.7978075131	45.4318500497
0.0945205267	0.0779591695
12.3079731279	17.5619895082
4.650142201	3.4118120443
347.2181568143	542.9369774228
0.2786051061	0.3526119572
3.6214034554	2.7487722888
0	0.008993
0.1312198495	0.013317577
18.8415656586	15.8744846259
52.686060444	72.5973309195
1.4876971758	0.4983634454
3.8084132688	4.4557084444
1.4804919024	1.6484693461
7.2710521596	3.5231074848
14.0725797182	7.3014410799
0.0745486756	0.0216433093
24.3546207232	37.0029401012
0	0.0811798575
0.233706179	0.0848132963
0.2559341323	0.2786398393
34.5949922221	29.1041205055
5.2488298141	3.951136805
0.002647	0.0144089851
47.4875133651	36.2307149573
16.2394469065	16.9822606997
1.3536767038	4.6055338503
418.568651057	499.8642525356
3.5659970148	5.2723428477
0.9528143247	0.9632490656

gene_expression_table

27.7199021495	53.9854799533
231.007241221	196.7981787462
1.0272347747	1.3979599454
17.376538986	33.3994592371
10.0704906942	19.5879689467
0.4142304008	0.5637245961
12.1168355239	0.2198634125
0	0.2996307558
0.8166468535	0.4303609309
0	0.8366463538
24.676030615	20.4423411451
8.8478957194	6.9462346273
7.8714869884	4.1348555842
4182.776500034	6169.8559407968
1.7061814346	2.3735344795
1.4426675485	2.0150490603
0.0187152844	0.0509391205
35.2033675352	38.4531737688
3.3246357052	6.4175506519
5.0152516958	7.6702665558
0.0339235348	0.0184665644
207.8094326885	90.4556969867
0.5685734764	1.2380312124
3.9372438255	3.7960137945
12.2234629762	7.8622495505
1511.8479166877	520.2192622546
0.414111829	0.8033337711
0	503.7964385508
633.9152882333	372.5276431753
42.2552533448	27.1527441685
2.2830413453	2.7402565988
1.7128166703	1.139583266
0.1143884777	0
0.8402217799	1.8826164281
1.9673620381	1.1293657101
10.0598933954	12.1482580533
1.9051653736	1.4660141218
6.5912872828	8.2763736055
1.1007710746	1.1738450336
0.003076	0
0.0710638525	0.0461495862
0.4514431911	0.5408933856
3.3722603141	4.7728682469
0	0.0572916064
0	0
13.1257129549	3.3830934554
4.273428453	3.7478908676
0.4030750147	0.3575689484
0.1928683778	0.5511950865

gene_expression_table

3.973516029	2.4413001303
3.8973463368	2.7648633943
0.0470632143	0.089667412
0.2119636605	0.0461536879
124.1366265046	44.9346678645
3.2823877418	7.4519074732
3015.5501119765	2438.3781596335
10.8151351383	4.3600585594
20.7897225898	26.667928618
184.2304875718	192.1857999811
0.2954989779	0.8272665233
0	0
25.081186086	16.8656642378
0.1777482503	0.1741657867
0	0.3710444348
0.378605692	0.7213402892
0.2984526904	0.1444135627
3432.0605977444	1978.2757431357
52.4428061071	40.6166280127
48.8034616806	71.365124128
308.7212293543	414.776990339
1.0103827318	0
2.0746627954	2.0308672445
7.831001777	5.6494121566
0	0
2.610503841	1.520967522
0.034274064	0
1.6998991984	1.921116559
0.0380229317	0.0482955806
0.0127047663	0
79.9710429818	59.5220148401
20.2029475324	107.8233886755
0	0.0103498322
87.5373507983	109.0061522192
2.3035472753	2.0899258881
0	0.005247
40.7030836744	39.3689379055
5.7455028969	4.300468318
12.1927900124	15.7564679749
0	1.1148305394
0.2601086373	0.3838725849
125.2553830947	100.8552516455
2.8778682684	1.6713418851
0	0
3.0647210392	1.6202487144
0.003409	0.001856
0.005623	0
0	0.0173374963
0	0

gene_expression_table

0	0
0.0191710437	0.005218
0.94117737	0.7767703625
2.8830587236	2.2939953317
1.6035951088	1.7204360831
2.8747137104	1.9679486562
0	0
166.8690542771	73.9092173672
0	0.1190942692
2.3641998955	3.2900824172
2509.4207601714	2380.6053954531
19.2799460895	9.4246918252
164.216181269	81.7466865049
24.7829880894	13.2696690006
7.5882045936	9.5743809566
133.0070369919	674.3252345787
4463.4546844883	3955.3340496545
12.6342095208	13.959124283
128.9831069093	303.8149594933
869.4811176493	892.924101188
15.0603492188	14.9587090064
68.7475794931	134.0131504108
0.244599609	1.730948382
73.5699071791	130.4433733729
42.8014601435	43.0026376515
0.1736987136	0.0472771853
111.0059234208	200.2523259179
11.2111646733	28.3683915863
78.7083331394	58.2659684542
65.3331182941	52.9631660722
0.4505975238	0
0	0.001868
9.3307669113	9.3934300727
5.5163425253	3.7535849084
5.6569733812	11.2253782142
0	0.0639247207
0.001268	0
0	0.0222961768
2.1280329524	2.5465934716
5.3160564737	7.4413041754
9.9116126777	3.1848263848
1.9672555556	3.1422233938
13.1729542563	2.9070849655
0.7573379119	1.2441518277
3.7220492928	4.0772722588
1.2188104627	3.163053849
14.6331317621	8.5615267901
0.4605616803	0.8645195315
0.7857928676	1.2832590734

gene_expression_table

23.5865521397	32.526834857
0.3744448937	0.2038322596
6.205874842	8.6247821147
9.7817474846	3.8630737709
1.2289277876	0.4649629347
0.003137	0
0	0
0.073742897	0.005018
1.3844569908	1.9541196329
5.4616503449	5.605524323
16.8503170092	11.1936975171
0.0265044013	0.005771
13.0058793709	8.4254485552
0.3045801397	0.672956136
6.1491224545	3.6985897739
1.876156965	0.8347179692
1.5796340506	2.9058257705
1.6655935025	1.6838342408
31.6421360923	30.0228809078
1.4333022798	1.4580060694
0.1151503522	0.0358188987
7.8309585603	5.9176814544
47.7099907479	24.8566891249
0	0.0468924341
5.2738654455	4.7354613904
161.8126157304	82.5973540058
0.8193722494	0.2881202088
9.5070936307	6.9588338633
1.6117414172	3.4693720573
12.3890887647	20.3736607556
55.0786469411	37.6533844156
18.5710354972	0
0	0.6138737295
4.9695463813	4.8110706315
4.2947624382	0.8182616492
0	1.032591688
0.24106969	0.2474591444
1.0379942143	1.2544946318
4.1731528471	3.3519359843
3.84385901	3.220797105
56.8699450709	32.8541417696
287.3071016822	225.2525548272
66.2382299875	58.4262507634
20.6335221281	12.5297580354
0.9355504924	1.2541843568
1.3070126932	2.6426528714
37.5477763905	26.3734853243
0.7607702227	0
23.26018887	14.1874093424

gene_expression_table

4.7630567089	2.4021625688
0.5951047613	0
15.4383654141	7.7805628582
1.8220221236	1.5184703355
69.8438174569	15.8289738713
0.1184314743	0
0	0.0962811033
4.184740532	3.5895742872
68.7115244405	72.6585805599
2.9615547729	3.2818717073
0.138887891	0
0	0
21.7444946857	17.9186923907
632.5483468264	646.5487082986
0.2559860228	0
74.8229297203	66.2666695437
148.303502011	47.6211854363
6.0798473408	2.8282177887
43.6840917596	39.9868770663
10.7623713177	18.4357410888
691.7678536785	681.7367813974
5.8335502394	6.3058281426
0	0.0425863774
0.0436719748	0.0237732106
0	0.0825517713
116.6184703516	110.2932893696
1085.2691601452	990.2188569225
0.8006322998	0.4358309955
4176.0935810415	4424.5325993927
4.6477977603	1.5812926273
16.616574996	22.0862501183
130.8844102021	156.4406523529
24.5580806031	37.5713198382
44.7995666416	32.9838896155
1.3694458128	3.3546125905
987.8435290518	485.8132380778
278.8861562934	103.3421303557
25.4877128141	15.5664595113
17.8294353659	17.8219874683
19.0980239607	13.3665063702
13.0093809565	8.3122868754
0.6326790247	0
0	1.0685525926
0.5688396379	0.4758077925
188.9891564302	107.9738511083
16.8145693086	21.6347268768
0.7485733834	1.1550721075
361.6362823311	151.7671148774
42.3609980559	19.1054139198

gene_expression_table

19.2964152508	12.996681953
24.5153408571	9.2898685479
44.286630747	29.8974205207
0	2.6132129483
0.1079584661	0.2938405419
0	1.1078224171
1.4260045712	1.8713355395
6.1960224071	4.3902139035
0.20447209	0.3339183589
4.1656012109	1.9496953099
7.9266093182	3.9892630123
0.5952955612	0.7345228466
0.0471264543	0.2565368582
1.439041916	0.5798859428
0.3194195609	0.6830950977
289.7567564489	464.4052553416
0	0.1263499205
1.4539277728	1.9673383014
5.0278039436	5.4126951994
16.9452377715	20.7546393752
0.2691396058	0.1546477886
5.8556934628	6.2177808136
10.002058094	13.5718126127
0.0439465925	0.0362699016
0	0
1.326228161	0.9900940369
5.8424450415	4.4268753975
0.20447209	0.296816319

gene_expression_table

LZ2_U937_2H_R1_001 trimmed (GE) - TPM	LZ3_U937_24H_R1_001 trimmed (GE) - TPM
1.3325805905	0
0.9204665456	1.9155273612
1.4468298815	1.505455162
0	0
12.1421774075	4.5942458914
2.9668126357	3.0870273376
0	0
7.9696731586	0
930.9824901997	193.7411458709
6.9401076856	6.2584769621
1.9214327885	0
3.3767181735	2.5096729803
0	0
113.2224549592	60.6207866384
226.7290690418	31.0415906829
0	3.6329001792
66.0132547456	27.8230277177
1.4347470146	11.9430615965
7.5056045568	8.9254060252
48.132631313	27.8238648194
31.7953647534	15.880179399
28.1700328476	8.3747078268
0	0
21.6345155674	10.0049520695
1.5354820395	0
750.8327479475	415.9936423484
46.4671477718	26.7197302366
267.5930291598	83.2107136289
0	0
7.9491866528	0.4595159018
25.8709483305	8.4603308099
0	0
23.5843290878	18.2744396098
0	0
3.2415068225	2.2485680549
0	0
4.7392583904	8.4536438882
0	0
5.2586262463	3.9083605814
14.9620614742	29.4978722236
25.6089333694	23.0937222847
17.9505718396	14.5818893675
0	0
0	0
0	0
0	0
0.1235090833	0
7.0433586537	0

gene_expression_table

11.7933452989	3.6813628439
4.4973675418	1.0635454652
0.4727609349	0.2459585605
95.5227169019	39.2664809125
0	0
0	0
0	0.9581076669
13.5264501417	28.1490788238
21.1837964931	29.3895467041
0	0.0469155122
0	0.2534766775
87.5377115785	60.7231490269
24.1253515376	8.0687913241
0.1992489756	0.2073225074
0	0.9008641186
53.212066434	27.6841047861
0.7356296632	1.9135931043
5.8912527219	2.4519860792
29.86217467	31.0721844914
0.7711159398	0.4011807079
11.7834738305	11.7832391374
0	0
811.542537981	1337.3048943448
0	0
55.2031329201	5.8612197659
2.4452804952	3.8165442162
3.860671047	2.2763593455
16.5382941465	5.7361409272
0	0
1.7938198681	1.866505119
21.9000727058	19.9390271685
30.6275048285	26.8366532102
45.689782237	50.7105320576
0	1.2799002462
0.3385793248	0.4403731209
32.7913942829	20.4720573264
3.831128168	5.1253261408
0	0
0.6105362365	0
182.6623184568	101.269494801
4.5609542455	0
1.0902851567	1.4638236266
627.2361386882	828.0337880897
0	0
0	0
6.1975369342	15.0468733104
0	0
4.5567762912	7.5862656446
0.8696343987	1.1310897807

gene_expression_table

5.7722849236	2.0020589488
9.6012597895	7.9922408552
19.5925903555	2.265164279
12.4279866821	18.1740933401
5.2346197855	4.9020530542
6.7145013355	6.4276459583
25.0183800322	27.6591276981
0.9289585024	2.2553993699
0	0
1.011630339	1.286537284
1.1701426517	1.0146305138
40.2675883772	37.8704521425
20.9716364003	12.2745393266
0	0
21.8791071001	15.1770963286
23.5571238789	8.6511720716
1.2834297452	1.5580064293
1.0410486693	0.216646354
106.0905159715	55.1946420763
0	0
427.1406298866	203.1763609573
6.005617121	3.1244818107
1.7089583145	0.8891024955
11.3704013624	5.2582790813
0.5704217623	0.2967675736
0	0
8.1195607945	3.3794255614
18.2926307075	17.0302821331
0	0
35.1741120591	35.4187360702
6.5434717089	9.36184147
2.6987913155	3.27617015
170.5190849613	202.7754135997
10.5998446751	23.3313139874
14.4974654466	8.8428724597
10.4088610709	9.4767979301
45.3324058208	20.5083767658
0.8863858906	0.737841667
1.3212230694	2.4058278738
12.0757873729	0
1.7165692759	1.2365476249
0.0816449922	0.0707943602
0.244840612	0.2547615085
0	0
31.782428305	17.8070557809
0	0
0	0
0	1.1333223892
1.4918166544	1.0348431938

gene_expression_table

1.1129262422	1.1580218086
0	0
0.3822152884	0
0	0
5.0058836211	2.604360552
0	0
0	0
0	0
712.4265635971	934.6749890483
3.2396163636	1.310899731
2.9181508127	2.0242624977
5.6132398863	2.3362749334
0	0
0	3.0109103239
0.3154618289	1.6412214208
17.1363723252	14.4874721695
18.8794945487	5.357587689
0	0
2.6049100724	5.0821135296
6.911898206	0
3.384703275	22.892030387
0	0
1.9217282231	1.999596297
17.8638125147	22.5008405752
0.9487742152	0.3290727906
0.4740317615	0
0	0
118.1670684379	37.8323619392
0.4689520589	1.268680166
1.8580464746	0.241666772
0	0
6.374722311	3.3165124429
1.9084137088	0.3309570468
5.0302074635	4.3404155731
18.10560721	15.4578404773
91.6279327334	18.2567259007
1.1069872841	6.9110532305
52.9651019427	67.970527021
4.0912762876	3.4056432398
15.8851910236	11.3340727133
71.5392512411	93.4434575221
0	0
0	0
0.5640742496	0.8803956516
0.5335228614	1.110282219
0	0
3.5009635661	2.428547977
9.0044080295	10.7077314121
0	0.2493648262

gene_expression_table

13.0022782116	13.5291281317
11.0654625329	3.837944346
3.893854931	8.6820711774
11.0746546433	8.6425482084
148.2735765993	258.9093427179
0.2990558211	0.6223470158
24.000135762	22.6674522139
0.5838886596	0.6075477206
1.6886053663	1.3515594961
0.6925398568	0.3603007222
0	0
6.9618393825	10.8658977494
1.2806106643	1.3325007727
0	0.150694667
0	0
69.440944131	47.7396982329
0.9772040603	1.5252002834
0	0
5.4495050931	11.3406360729
0	0
0	0
4.1500005478	1.8891940402
2.8428158606	1.2941277283
46.2870432595	18.657578257
0	4.9937119772
0	1.5472668307
0.2972156909	0
9.1237813165	1.3562107509
0	18.5949946975
1567.1238074218	2955.2716556734
18.7202481045	2.7826841589
54.1552524004	36.9794337021
129.7810362575	51.0961178228
64.0206937172	13.3229600887
4.2398134015	9.5584880304
41.495128207	23.8215189874
6.2294608942	0.4051173439
143.426309202	141.1710024286
86.4335350952	46.0136682009
0	0
0	0
0	0
0.369003932	0.3839559034
0	0
0.8384838274	2.326557434
0.4806630105	1.0002787745
0	0.325612314
29.7286975562	25.7777490913
3.0282119038	3.5010161031

gene_expression_table

19.2924168241	6.6033361852
63.4252831471	101.5311753027
5.3802639485	6.6818076251
42.2431757417	19.4554304769
0.2452658264	0
3.3640588886	1.7501849678
6.7625028282	8.5178904503
0.098381152	0.4094701527
7.3871941373	10.5689675907
1.2782531698	10.6403820237
8.4696221609	1.8884592197
1.094626023	0
525.0828221761	420.2762165299
0.8679246152	1.3546391413
3.0969311605	3.2224182411
0	4.8046086327
656.1835724015	180.3548705619
0	0
0	0
2.6121211434	1.9414027224
758.742975633	298.4646358794
0	0
249.5848219694	186.4498124242
0	0
1.7080934349	2.2216313332
2579.2306725771	1602.0497469707
17.6687611676	11.4904350739
6.9693902961	2.2158243275
1.5960718872	4.982233279
3.4465381906	1.7930956419
12.6726894103	0
4.5461271005	6.3071137785
11.68390485	3.4735241497
34.0340985884	12.6129041641
0	0
2.305240915	0
1.7752835384	0
0.8993543579	0.7018470232
8.1826673697	4.8652728831
2.7911542709	2.9042513283
1.295947319	0
0	0
0	0
12.4070349779	12.7080506618
0.7148705883	1.239728355
15.7530573901	5.9604975914
143.5434891033	47.9078747672
0.9023248545	3.2861041202
2.600286573	3.3820621329

gene_expression_table

31.0490577302	14.0826081331
14.1275195263	14.6999640173
53.7012972885	25.3310263335
0	0
5.7896652836	10.0404357588
4.3658490282	2.1981060132
9.6201457637	10.3806912735
39.6848553708	15.8818763102
1033.7832862639	937.9859794262
2.1698680436	6.0207751929
43.0609472211	19.9136750565
2.2933618638	1.458287395
68.654849363	40.1505715634
13.7081874757	6.1129888754
4.0189084522	6.0825511025
1.7775179809	1.1097256094
36.6917454364	16.735775653
0	0
2.5037368864	3.3495272283
51.4656781179	37.4857405461
14.5381411317	15.1272239346
3.9157558136	1.8108540082
0.3691020083	1.1521738614
0	0
140.5518278075	106.609934917
4.3458150546	2.7131440085
0	0
4.0285060213	2.7944935625
1.6959438527	1.2604737039
19.0343650195	8.6649648692
1.9905144021	2.0711696793
0	1.5340911754
0	0
13.0056606982	11.2772063966
0	0
0	0
0.6501984617	0
72.982829807	45.0216192355
54.0968393888	50.5450748577
6.4851160622	3.3739458857
7.7819626184	6.579045128
13.4269108137	3.7255911383
79.9101054525	72.7545421907
0	0
0	0
0	2.3482980167
129.7113813808	77.8657284697
0.4770988741	0
23.2756832184	15.8674959569

gene_expression_table

124.4141677073	14.3839340983
0	0
0	0
1.6760119254	4.0691551138
0.4988949069	0.778665055
8.2787573233	7.4656495735
2.8515719669	2.4725976151
32.811480895	37.9344400688
0.5029755697	0.5233560472
29.2046918659	27.9570157567
3.5614009729	3.7057082848
0	0
0	5.06938534
8.1367568493	4.7623819158
135.1711253978	209.4760939668
0.4105639777	0
0.4148308915	0
0.7504373303	1.5616898255
0	0
3.7241033362	1.6145847158
0	1.6429112108
0	0
47.5678018304	7.3326282082
0	0
30.5212208326	40.8316308213
3.2744144435	5.299922622
2.0583365275	0.9178885477
252.2229168122	52.6952365825
13.2665976854	21.6114273471
3.6232904995	3.2115714061
1.8540928543	1.9292203555
16.9873461515	8.4843217397
31.9078931671	13.526249866
25.087823221	13.0521886003
14.1336531195	1.4006043945
3.6471708148	9.3148858757
2.2292642944	2.6095428824
1.929297002	2.361731484
104.9531136364	71.6663026303
0	0
61.5781490054	24.0274816011
16.741597925	10.451978635
19.1461783341	13.0671038208
0	1.5161172122
7.842158388	0
10.4358334376	3.3699387376
88.0947307907	34.3741174007
0	0
36.4819846661	17.9811606175

gene_expression_table

4.8241623942	10.0392731331
0.2094268935	0.581100887
64.2245730055	7.0344148298
23.4618073254	18.1349817555
5.8630933867	3.4860942009
0	0
18.8500499404	16.0476958592
9.2864790051	1.6104609042
64.4683469309	24.0288689492
0	0
17.1116278522	6.6768704488
38.0759784644	29.7141075779
413.0883008208	52.417873505
2.6632444883	2.0783689986
2.3145794914	3.4118515873
26.1515723647	11.51244315
49.5119701679	25.7590930432
81.1631672362	27.1963693704
0	0
40.0683637064	24.0530344784
42.8513567902	36.6255991161
2.2043103935	0
0.2974491133	0.92850509
30.3564861364	8.1890991694
379.5578337532	284.7706856984
1.1165635268	1.8933142562
0.8714876359	0
73.7784901662	49.7370017803
0	0
0	0
13.9591670549	14.5247899348
0	0
0	0
5.8842493966	8.5717493389
0	2.6304357639
15.7033191118	7.0026920194
72.6326363901	39.3845183887
67.9747685486	116.9481053576
3.9800779973	6.538973724
13.3740974308	1.4395875928
3.8829350672	9.0906094833
7.0525849553	11.1822543233
0	1.0384376905
1.7427929904	2.7201159625
8.5045096068	0
1.9814026009	2.0616886696
0.6999476335	0.7283093828
3.1232825876	1.9499024539
0	0

gene_expression_table

374.3400547348	349.2142884908
15.0280337042	1.5636966864
0	0
1.3954537807	1.9359964148
0.7693359759	0
0.0314689194	0.0654880685
2.405471926	3.0470588591
0	0
0	0
17.6024035175	38.666371522
0	0.1299593971
46.5123539129	38.3523601732
267.3256504614	314.3342078529
7.228013454	10.8635095528
0	8.1618416359
0	1.6931776736
9.6727792829	6.7098123461
1.1951509	2.4871563891
2.8221145766	2.9364661398
10.35312461	10.2596488702
123.0444644068	26.8450426606
0	0
4.1912944101	0
0	0
0	0
113.7380585226	53.0519706333
17.811657305	11.1200294285
62.0865206843	82.2210519141
0.5178312563	1.077627367
73.3516878111	90.6346130821
0	1.5385073495
8.7231820845	6.8857297922
0.5215389975	0.852769754
6.2834845924	4.9035676737
39.291686589	25.5523615612
675.1598174205	147.1488664711
38.9814890633	24.6263286084
0	0
0	0
3.1058606329	1.5208044866
6.8937892614	4.782082889
1.1173537698	1.0334477679
4.5927116204	9.0656788388
7.0209380756	2.4351417314
14.4066686828	16.0124986267
39.7850377885	31.5112407471
7545.6321906978	13496.2700502612
1.5159270968	1.5773521837
28.876427958	0

gene_expression_table

0	0
0	0
0.7213794457	0
2.3247049942	1.5277273343
5.6759491058	0
282.6901878639	235.3157937974
0	0
0	0
0	0
47.9079224833	11.5036483119
0.113010895	0.4703603026
6.0144677703	7.8227161217
364.0458774304	292.5072968193
31.1277495296	53.0820381244
72.5397966533	33.7669639386
5.8927109528	11.9709896742
26.6122430127	41.5358493024
0.2950006475	0
0.6689032193	0.6960070547
1.0999243097	0.1271658934
0	0
4.215547592	0.5482951006
7.0376384845	10.7025572086
12.0143612906	9.7231407769
540.5072895817	632.2156951473
12.0100319644	2.7770391665
0	3.5419941897
0	0
7.0365608651	3.8351662466
0	0
2.9946245604	5.1932769941
0	0
2.2773087835	5.9239622906
0	0.3411136969
7.7331064245	4.8278702841
16.2787072194	17.7082409598
0	0
3.5646174491	0
0	0
0	0
0	0
0.1069799424	0
0.4174157816	0.4677393455
92.5343020294	40.8476620859
10.7585764032	26.586965855
0.2880206463	0.2996911899
2.2207066644	3.9911905913
2.7073934068	2.3140435448
6.4990142191	6.1827228152

gene_expression_table

0	0
26.8179579181	42.8191531155
88.4323580019	20.4479157493
15.9252680691	17.0726950911
0.1612722736	0.2517104946
9.3332884764	1.9422943215
15.6243099387	14.1596745402
43.9206340504	21.7076377778
2.4320575849	3.7293113209
0	0
8.3149704322	4.3259457519
19.3257602833	25.9524300555
0	0.3330420159
1.5970916437	0.5539351677
4.1531179108	7.2488024896
0	0
11.2541526757	11.7101688708
38.2156854638	58.3207944076
48.3484890806	23.6741463339
6.0219870819	2.6276761152
0	0.2977574825
15.04744249	6.6424324019
4.3743664885	2.7309690081
0	0
10.1005656465	14.7137741904
20.3668222666	22.7618660197
32.2224557274	77.3725470068
1.7042649346	0.886660718
1.2015708829	0.6251291569
45.4075928463	47.2475001511
3.7219694661	2.2130188479
0.3848145518	0
2.3224286216	2.4165330019
12.4195756257	3.2307036361
0	9.0594736444
0	0.7644080654
0	0
59.3550210247	26.2710769141
0	1.4845747051
1.2301393966	2.2108821774
0.9821416449	0.4087751374
0	0
0.3688977415	0
0	0
3.2783950828	1.8368188721
2.9395341564	3.8233044243
140.4178224761	120.0168970133
0.1072077468	0.1859196416
0	0

gene_expression_table

0.3024700349	0.0899217329
3.0041844333	8.5962619424
0.0395416392	0
0.2001752141	1.2497176617
122.5574394879	59.2872153692
0.5705999863	0.2968602964
1.2319043855	2.1363682074
0.9392071111	1.221579513
3.8264023894	5.8673963305
1.3417541525	1.1168974271
12.1929930141	8.0265015562
0	0
0	0
0.7553011342	0.5894293479
2.1317118812	1.9223433271
0	1.7078531031
1.7685637372	4.7027987922
0.110233017	0
9.6388996897	22.2877025134
0.1431493341	0.1489497187
0	0
0	0
4.1841253071	1.3605204045
1.8157759679	0.3148918127
0	0.1918547528
344.616964204	213.0031130049
36.8918741373	49.3543621123
1.6373144601	0.2621012524
0	0
3.6117439477	3.7580911477
0	0
4.1061287287	3.13317276
38.1200754635	52.387331573
1.5626956653	1.626015806
0	2.4449848499
1.6267655774	2.2569090922
0.1705148476	0
78.6982531718	51.0590102472
0.056816966	0.059119179
1.5884650247	1.6528293352
0	0
0	0
0	0
0	2.4835940209
13.9140725835	6.7218673989
12.710385611	17.1930305256
16.8575114276	21.4384801742
0	0
0.0895629316	0.2485120136

gene_expression_table

40.2350385231	84.926862754
0.1797935702	0.0623595909
6.2877495175	2.4178907718
8.0854269452	9.2272127915
1.6678429671	1.9089660229
0.2882398439	0.5998385386
24.4514249966	9.7854585527
0.4294221809	0.4468222886
0	0
0	0
0	0
0	0
0.2076273526	0.8641614989
0.3178263036	0.3307045669
27.8992764668	8.1646171915
102.9301096407	149.1011398131
1.3279877736	3.4544939845
3.1207090964	8.1178991364
1.7709067368	4.053859814
0	0
1.1348548277	0.3936129788
53.1483728201	32.1108010286
10.4818138217	10.9065349886
0	0
6.4936127271	5.5816487684
0	0
1.0095262656	0.350144028
0	0
13.7550181517	15.1075005642
20.5181519964	20.6823704971
2.0473827486	2.0415780574
11.4051726654	14.410302769
0.7668829943	1.4819200538
11.446913718	5.734801008
4.0796008261	6.0641507153
1.2339567993	0
0	1.0700958131
0	0
0	0
1.1978569993	3.7391818334
1.3290027175	0.460951221
0.8032984293	1.1701871073
2.0213674702	1.5023377915
6.5937973933	4.2881105313
4.3619678429	4.538713977
0.4527097811	0.2355267491
8.6826029205	5.5596433186
0.5169374547	0.768405236
0	0

gene_expression_table

0	0
64.2799867872	16.7211500053
0.5974469069	0
3.3983179437	1.4144068645
1.1207981017	0
103.5965335704	102.7805601812
0	0.244473493
1221.8674420071	1769.4064571649
0.2587789272	0
7.2378472669	8.4000992952
19.9234103418	14.5675212111
2.3510037894	3.8441323332
26.9879940927	12.4806856205
0.1370386627	0.2851828881
0.0583882365	0
54.6996379512	19.5648946671
17.75734635	8.5277865027
1.9963864777	1.4281297871
7.8842074947	1.3672790219
0	0
0.3692942255	0.3842579596
0	0
8.9244974388	0
1.4266862068	3.5256762647
0.1976076206	0.4317907544
0	0
1.5775096491	0.7034700213
1.4462522846	9.3300957982
0.7357433366	0.3827777606
3.3022722286	8.5901992289
1.9133803978	4.9772755484
0	0.5813663433
4.5008654142	4.6832396524
15.0289372385	20.850542679
0.4754057117	0.9893381273
5.063025435	2.2577906973
3.9662634899	1.2037012623
0.921102508	5.2713397665
0	0
0	0
0.3103130501	0
4.5525437985	6.5133915486
0	0
0	0
37.7311394141	13.0866660796
0	0
0.7617825864	0.6605415638
6.3472532926	9.510397672
0.2110002225	0.8781996508

gene_expression_table

16.363745409	7.8585237052
84.0937926387	67.4488860967
0	0
3.9763425588	1.654985291
0	0
2.82517658	2.351721772
11.2757558018	14.793337965
2.3139474263	11.7977699355
0	1.4913419244
21.5235215687	33.5934760519
15.7795591278	12.8496083161
1.2793326097	0
50.5126625297	33.4469076572
0	0
20.0295511714	10.1047975265
5.6166452897	0
10.9462602303	6.8338804081
0	0
20.7954866307	15.7701522818
0	2.0837388158
14.9726743707	12.7467526749
0	0
0	0
38.0274910296	40.9021228424
8.6700645521	6.0142493147
0	1.6792400305
1.1582925499	0.7231358105
61.1419809096	49.4817887844
1.7168186718	1.1909225656
147.3637002248	226.1039317032
6.4541388747	20.1469781822
5.798798307	3.0168822735
3.4497488079	4.3872057712
10.194634566	21.9731327991
2.5651355885	4.9568524765
16.8212901725	12.8968631874
1.0559236202	0
0	0
0	1.2879620111
42.4620530619	5.5228259546
355.4799292748	356.3350493892
12.6414462921	3.2884188423
0	0.2149850297
0	0
4.4891505792	4.571666089
0	0
1.4819991618	0
20.8133887276	5.7751315755
0.2377937582	0

gene_expression_table

0	0
1.4505660735	2.1801617411
46.9586947009	36.8953823999
5.9376421915	3.0891171801
13.2743241792	46.9614709961
3.1236338472	6.5004058315
0	0
22.0911453906	13.6359255722
3.1021721128	1.1737714749
0.1692122516	0.1760687009
2.1267039832	0.829829114
1.9742821492	8.2171187942
0.5751267994	10.4725395496
1.5525048048	0
16.6509630593	9.4503583734
12.32067026	18.3141450733
7.5323260255	9.9750438961
0	0
5.2083871407	3.3688348829
39.0354455537	13.539051541
0	0.2027173335
46.9198399252	47.4261368261
77.3721628602	103.6899900005
20.8140076763	27.8452124184
0.3543068519	0
4.8197208767	8.7762763892
6.2190133293	1.8488590299
0.3562445691	2.9654362676
0.2666461842	0.2774506385
41.6588298016	21.9477660344
2.1834629955	3.0980952466
0.1785019664	0.1857348332
0	0
0	0
3.5331778346	3.3087073951
0	0
2.8422412133	3.2860092268
35.6970794172	47.9770447357
1.6708506076	1.2418236905
15.2098710505	2.8261021832
0	0
0	0
1.0654522589	2.0588734927
0.5786917587	0.6021402422
16.9261728828	30.9544563932
1.8527987445	3.9628517178
20.1237980705	18.0510436763
2.6456764105	3.3034544781
0	0

gene_expression_table

0.2068541816	0
0	0
0	0
0	50.4064899868
0.9189184767	1.9123057685
7.4595284577	0
0	0
40.6854484964	38.7311204553
1.1224481342	1.6684707515
2.1964658725	2.2854662654
4.4189081922	5.5175538467
0	0
4.8139513202	8.6519293719
0	0
1.050368849	1.0929296014
11.467267916	20.1924791562
0	0
0.143810238	0
1.0937279936	0
6.0821589263	2.7515682115
0.4546209781	0
0.8341886457	0
5.2275479869	4.3514938154
13.3505170484	9.8057488532
58.7668040413	34.9417280714
21.5784256676	11.6754453421
0	0
50.5853888366	32.0387562064
370.5718131447	142.0584844034
16.9245476261	28.1765234895
6.7290880576	5.2513121004
3.2408764245	3.3721961407
118.8629570226	486.4717645133
0	0
0	0
0	0
0.8687163934	2.1091387841
1.9062670527	3.9670172856
8.6736135323	6.0637167269
0.1964561169	0.8176659305
1.2793129673	0.2662300987
2.9909518231	3.4579384895
22.580740616	23.4957080697
4.8080168998	8.8686653421
0	0.2989085175
1.6795592194	0.8738073249
0.2056417016	0.9985465725
0.4524854483	3.7665606029
0.1770925556	0

gene_expression_table

0.4937508985	0.3853181955
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0.5613807167	0
72.9303570003	0
42.0822893297	0
32.8690070504	0
124.8283638545	552.0171412783
156.0354548181	324.7159654578
0	0
0	0
29.9857608179	70.2017512366
114.4021961641	39.679250699
0	0
54.9080282523	85.6993371768
81.0271632475	35.1293204122
0	2.1023075358
0.2365885341	0.2461750579
2.5626326507	1.5554408648
123.824524021	26.0945561406
262.0867899834	165.1878073208
0	4.4324725346
281.1464614783	175.5230786113
0	4.0119927245
0	0
50.6388546988	43.5271262457
9.4476396328	6.0075010428
3.1119399415	2.7754587216
9.0541564912	2.5693716125
2.8836453668	12.0019605852
0	0
0	0
414.3661657903	183.8262896202
355.5111802576	154.902504162
1.6346804691	5.783119231
6.9897880045	8.2427479851
0	0
3.727317169	5.9467993078
6.9257223614	4.503969598
69.4993438671	33.5120352511
3.6716921066	0
0	2.9788408444
7.9288374435	5.0769922938
0	0
192.3893997065	42.8967820228
26.8814623855	0
0	0

gene_expression_table

6.3207802273	4.0714124773
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0	2.7962961709
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0	0
81.8419827096	12.1654578266
0	0
50.3027624071	38.6326584173
7.1141557931	7.0659464366
100.4047860909	89.5484310375
9.6596965943	10.0511057224
6.0313378844	6.2757265854
24.9469858901	49.319883017
0	0
625.2732736666	358.2005882027
2.3495240315	4.2782710475
0	0.6229730745
0.3849523348	0
4.5941173919	2.7884909401
0	0
226.1455361079	89.2551044033
0	0
3.1408540875	0
0	0
2.5260855805	0
7.2603273134	2.2219160117
30.8903096536	42.8559724206
500.3054689055	267.9444324241
0	0
0	0
0	0
876.8071701178	71.0201081351
0	0
16.3819971242	0
3580.4011325775	4422.0266833429
0	0
3412.127415635	1592.9188042253
0	9.0030283258
0	0
0	0
3.2688478962	1.1337670038
4.5769257277	9.5247638316
75.7173913328	32.3583082171
114.6048467148	92.1466562809
160.4965052632	131.3481526763
0.3563931345	0
3.4246992549	7.1269348769
5.0733196056	3.9591671867
9.6994276087	8.0739573042

gene_expression_table

13.6532798517	4.7355027461
45.8523733617	61.0691879567
4.9849197052	38.9018080065
813.6741758829	654.8628426659
35.0716819802	61.4615243436
9642.251815583	14041.1565847411
2.9733473446	4.2673473542
142.0688581781	50.8444264767
0	0
122.9422574843	193.1158197634
9.4133701604	7.0927848938
326.9538567303	256.4599442248
0.6467414357	2.6917891187
23.8591609583	17.540059076
1.0279484671	1.0696007498
0	0
74.4693541068	43.0482436828
0	0
36.9840694214	15.4685190334
0.0964290931	0
50.2197485924	24.1919646122
15.169683244	40.1783607706
42.038057367	21.8707158572
331.848910143	75.0642101967
2.7330195284	5.6875219534
744.9880282904	974.6129843448
30.5523078369	14.129014101
8.3857524592	11.9976197075
0	0
0	0
186.8519485546	84.4007495093
0	14.9044460679
5.7682888801	2.0006729613
0	0
97.0483411165	149.0667801494
1976.3272511574	2361.0606554269
250.7550644988	229.9595238162
0	6.1608927182
9.3990900026	9.7799393996
0	3.8269328085
42.1395886928	40.4742249884
8.0002816009	6.6595612311
8.0514973183	12.5666137616
71.8621577194	54.1466890207
12.5039103917	11.384245722
1.3415381239	1.3958970017
61.5187355719	33.460537694
239.4856530511	272.6980174121
19.471766202	13.5071723898

gene_expression_table

2.9248945282	2.5108138409
90.3041373362	54.2095640541
25.9055450113	28.1271995763
22.2600406048	17.3715100149
0.759255104	2.8440719317
0	0
6.1289395272	12.7545660577
14.7956609774	18.6362686344
10.1281674173	16.0029968435
237.1686661932	294.682796882
7.193864267	7.4853583231
110.0699245348	68.7179625711
0	0
21.4301996128	10.8479419574
1.186978637	3.7052243788
10.4775772239	1.8170211208
10.4576586108	9.601236188
12.1550595001	0
9.6737151168	23.4866153034
9.0664811642	1.6406701413
2.0409781475	8.4947128257
33.2958772719	11.5483400303
78.6412335381	45.3290479297
1.7211925816	0
0.3180386002	0.3309254658
8.9782805746	17.2828458745
1.7653163744	1.4694773352
173.7402596828	36.5864656128
4.63613481	0
0	0.6906923942
0.947659174	0
0	0
146.5509923834	41.3530065415
9.8142441546	2.0423831043
134.4595991897	113.6751503887
475.3483890446	266.5860932427
5.9984113893	2.0804886382
12.5580908625	0
0	0
0	0.7625926887
0	0
0.2974119534	0.309463031
3.8307192862	6.9753938215
0	0
0	0
1.9862439302	2.0667261687
0	0
0	0
0	0

gene_expression_table

0	0
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1.1228938278	0
13.2862544263	10.3684582578
0	0
166.541777135	75.8143834404
1.057934648	0
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1454.4535619821	809.1610942362
0	0
100.2497109993	12.0359781736
8.225363561	10.6983172233
0	0
21.5390361374	12.0678890324
8.5375502239	10.3640718856
33.9563672261	47.8024869682
13.6401177899	17.9775629463
12.5794199468	6.5445678639
0	0
0	0.4512878369
0	0
7.0471881847	6.8089718849
0	0
0	0
5.5984623376	7.4140321833
0	0
12.1159891676	31.1855558147
0	0
0	0
31.1149467089	19.5760159115
0	0
46.604916509	23.7518395828
27.1152595112	32.9162923086
0	2.9372122564
37.6665750259	41.8499578973
0	5.5319293525
27.884965583	29.0148592561
0	0
0	0
129.251156228	142.6392007617
164.4531569859	96.5274079504
69.3202436546	39.670997943
9.3015107025	5.8070437225
0	0
20.8960333224	8.15352628
42.3429228511	25.8156154053
0	5.4994711562

gene_expression_table

12.5203505444	17.6804131455
14.1345093932	7.3536185562
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1.9006143447	0
1.0610331449	1.656039019
15.8043769167	0
5.0498747196	2.6272473569
71.3591289156	20.8829777866
0.7581436264	1.1394694517
0	0
0	0
2.1059758087	0
8.7286779569	8.5481057705
4.3392840784	3.6120888565
0.2785276291	0.3864180231
14.2844942854	8.7129685931
0	0
100.261920493	144.8188991925
36.5732175454	33.2982628904
26.1364281283	17.8713097677
8.121915857	8.2448920905
0	0
30.4941965534	13.3060517809
13.39327834	20.90395727
1.5331771472	1.9311540879
0	0
131.4221319616	116.4383227741
12.3120608036	24.0757381604
8.0976982069	8.6736335492
0	0.3257009975
62.0989742421	150.4854308563
3.2231626576	3.4779781195
0	0
47.9814052641	58.8675020146
0.9899362347	0
0.4991339915	0.519358809
5.1248055892	5.9990194895
0.3536942294	0.5888413672
3.4880178416	1.8146758413
0.7422758006	0.2574508932
1.5107049746	0
3.1684735383	2.4726446272
13.5871068688	14.1376539384
7.0195053894	6.4274623211
0.8090783403	0.4209310229
0.9776308342	1.2432985347
1.5349870193	0
0	0
0	0

gene_expression_table

1.3328825777	0.4622969115
20.8650114513	8.0638843536
14.3479350414	14.9293107286
0	0
0.395983903	2.8842036852
7.0647579628	1.2251701092
0.1155279326	0.0601045516
0	0.3449340075
69.5939454519	85.5800391879
2.7255409885	2.3996748834
0	0
0.5664758507	0.1964764493
130.8622975056	137.6777560898
0	0
0	0
2.3172615692	2.4111565814
8.6345008158	6.9110532305
9.8356764295	7.6756621712
0.7236662574	0.7529890809
4.0324702547	2.7972434715
0.1993621995	0.3526485425
239.52117605	159.7252899573
44.4473636967	46.2483626931
2.4931745676	3.8912963134
0.0394034516	0.0410000722
1.5238863869	0.9249531567
0	0
0	0
0.0863929047	0.269680588
0	0
0.8472254939	0.528932949
11.1598342269	4.098363055
73.695033354	32.1566081627
3.4516012635	2.394306341
2.8215933061	1.8683151121
0	0
0	0
20.6970646755	15.2544583649
11.8294204836	8.2058309496
4.7878368503	6.2814493231
62.4893066312	35.3202459349
0.3292680756	0.3426099574
5.0458521521	4.2002473221
0.4516672708	0.4699687455
0.5061070421	0
1.5885731837	1.8890764305
1.750481783	4.8570959539
327.3146807986	148.0771354009
0	0

gene_expression_table

0	0.1143856334
112.167757162	675.7055339022
0	0
1.066465287	6.6580695848
83.4524280198	5.9885451754
0.4070887868	1.6943357979
35.9453068126	8.1927761206
0.3111735178	0
1.5009084549	0.7098749951
0	0
0	0
7.903478894	5.9042138286
9.8969546964	1.4711396399
191.4487328292	160.0764109129
0.0569719717	0
0	0
13.5098532704	8.3583767796
1.1017635315	2.2211631498
23.0241738227	7.5370680341
4.7067943918	2.5429393562
6.7019669735	4.851150916
17.08575032	16.8891586894
0.3709864256	0.1286729091
32.6926669398	20.8269598696
0	0
15.4892275433	13.2726985116
6.0194976162	10.3482369116
2.5571508181	2.6607660986
7.7365768684	0
0.7245607435	1.2924339625
13.9302036777	3.0197193681
23.2366998483	4.0297077749
0	0
10.289957749	48.1810722442
25.4634185232	14.1549653514
21.6316181275	23.0440351058
52.9507268778	18.9393464512
2.6340628194	1.4356542934
0	0.561195953
3.4624668436	3.87990116
1.7781628475	0.7400854715
0	0
0.841066264	1.3127191714
24.2217828119	10.8013907114
2.0145411501	1.886552988
6.4684621626	8.3400455295
8.0507296122	3.7475800738
13.2268166766	10.0092835301
1.1417228401	0

gene_expression_table

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0	0
9.4954909257	7.5278068345
0	0
0	0
19.6632289965	5.1149948541
0	0
1.6790233489	0.3882349035
10.5787708372	8.4914388138
0	0
0	0
102.1558599588	42.2894868204
16.3030834205	5.9004109079
0	0
0	0
111.6850599354	59.6343447674
56.0173384204	24.9802074271
0	0
61.4213666182	43.7279967451
14.1726935699	19.9517809183
0	0
4.9428690929	9.669128089
24.2924002545	15.7979524011
7.9885631666	9.2358425287
11.2674689483	16.6090350148
12.3350011655	12.8348131424
19.0648513609	14.8780167219
0	0.3318882317
0	0
152.575055108	119.0680261946
2.4409823604	1.2699452582
40.9751329594	17.0541751222
4.5463725682	10.4959982219
12.7756720136	7.9760039353
9.1013580418	8.8782594324
17.0046801781	11.7958044595
501.609629335	284.5269346995
0.3049441256	0
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0	0
0	0
45.4592041134	27.5923682401
5.5405491063	2.1618941761
10.7791633729	17.8624119564
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gene_expression_table

25.0219017636	0
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3.3761806585	3.7639102258
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105.4118717026	23.9158729244
0	0
0.590147552	2.4562408889
0	0.5109719333
10.2021574591	5.3077735008
5.1497486324	0.7654879285
126.4560088489	77.8360463131
64.4192229622	34.6704196657
9.4581510538	9.1384369085
0	0
14.2408956759	29.0659477511
3.1175565111	2.5951034617
0	0
0	0
2.1071781629	2.1261194029
17.5100729544	2.6027968411
0.2038356868	0.2120950713
44.1666997972	18.8931563859
11.8893243665	6.1855388008
52.6527221945	30.2026491629
3.4064976645	0
0.3777789847	0
0	15.4452190221
22.2170789443	25.8913882014
0	0
7.2994246932	15.1903920766
9.2827169171	12.7321216384
0.1144247145	0.9524894632
14.9478800434	33.8987963664
0	0
0	0
0	0
0.4361543806	0
0	0
1.2676545394	0.659509834
51.2942190418	91.0474640789
3.3780708621	1.1716498906
0	0
0.0478281947	0.1492985531
4.3824190224	6.9919905464
1.378377715	0.7171146632
44.8093212546	13.9874960114
6.7137902746	23.9514233859
6.8707352225	3.7731551898
2.971667437	1.2732089401

gene_expression_table

31.6716881367	64.6617420431
7.2049387106	13.1763371836
4.8979876285	4.0771625486
124.7404761011	133.6502323995
0	0.9382349337
8.5969567413	0
5.9558922711	7.1506429959
3.9998207636	4.1618927647
8.9182637535	2.9526095961
0	0
4.2199510191	1.4636475526
0.0508809712	0.0529426588
0	0
10.4315728026	3.1012166322
0.0820972214	0
35.0153381132	19.7704707118
3.050055196	2.538914297
0	0
0	0
0.2446824346	0.2545969218
0	0
8.8516982981	2.302591871
0	0
6.642188439	3.8012307806
0	0
16.6519908379	20.8809267376
6.1654089377	3.2076150866
33.0640427874	29.2592994965
7.9141829765	12.0033613968
0	0
0	0
32.3927288073	82.7311325317
1.22663002	1.7017771235
0	0.744486392
5.1761411942	1.0771754965
5.3089896102	4.4883384748
11.606429652	16.3620078034
19.1343954663	26.0357846178
0	0
0.0870295201	0.4527797014
12.0910390862	7.2224062723
7.0603038946	4.4603058518
2.1603041969	0
9.0339911791	6.1461844716
50.4790095575	11.8603505851
2.2679959953	2.3598947756
55.2002470229	54.3736468261
7.4581627162	10.5823174047
0.3271254174	0.2269203194

gene_expression_table

0.176954153	0.3314237448
89.5552470009	22.8205736637
0.8658727307	0.8008513194
201.4921563071	156.2147077067
6.1042441665	3.9086689333
2.2405263081	1.3987872131
414.3748005775	120.4155038573
12.0004224013	16.6489030777
1645.6637774806	1331.8244884455
12.6835403479	18.5589493149
4.0112897473	1.0983753867
44.2889244547	23.773235944
0.7741033173	1.2887517461
9.7904119779	0
12.4447718523	18.3444615995
0.0507095761	0
0	0
3.7685632236	1.9606323559
62.9594770232	8.1888229306
0	0
0	0
0	0
279.8740450512	244.0754537195
152.2714416536	69.7142390753
212.5266104784	97.5609483615
94.8376557986	61.4425506636
0	0
5.0652238828	1.0540931645
0	0
0	0
89.553863669	24.9361806353
0	0
33.5979568036	0
158.674367747	153.3106936437
0	0
74.7484259362	44.8714721525
0	23.2811930121
11.960344052	19.9119599867
59.3573876209	77.2031725532
10.6351922343	15.0183169327
5.8431229224	0
12.9250279943	8.017522697
15.4323710977	12.3520676417
15.6845548718	4.7380906883
6.8649172295	0.5102201723
5.645436787	6.4925245146
0.3196031295	0.1662766947
3.5573540136	3.0284978265
0	0

gene_expression_table

4.6189300967	2.6700490523
0.68831589	0.7162063232
12.3116491293	5.6046002626
16.4360472509	8.1438251716
0	0
38.2544311611	10.9462357595
13.5848916398	13.6641706505
35.6496406691	30.3497652662
18.5227065003	4.0575248755
2.446916161	10.7500511813
44.8824416616	69.1358976519
0.2814570017	0.5438858056
0.2866692741	0.0745712651
15.2745981435	3.1787044098
11.3690177708	12.4523034509
0.0534798433	0.1112936734
2.0316649428	2.1139876324
0.158783313	0
84.791074628	94.7621113932
2.0863688362	1.5788422673
453.3071866396	874.0832465652
130.0791666706	459.1282636742
12.0464252034	26.2085922833
3.2018282685	3.7614452136
17.6016136544	23.701541859
0	0
15.1429783375	7.3349545497
0	0
4.3405546184	5.4508675257
0	0
0.4862094728	0
0.7470898671	2.5912060366
1.475901345	1.1517784469
38.3446538761	22.442834359
1.8003766759	1.2488850716
0	0
4.1024073881	3.6362456352
0.0210469645	0.0218997836
0	0
0.0722326872	0
0.171746154	0.3276263404
49.4787311135	17.9412546122
0	0
3.8795862925	2.9358446655
28.2970197955	14.7218049148
8.3376532072	3.3049498593
0	0
2.2809279847	4.2192902522
0.8170083096	2.0544405618

gene_expression_table

0.2755638587	0.669035863
9.7590692051	6.0927029359
0	0
23.2921609662	8.7408362445
0	0.0920622491
9.8224830221	8.9816411686
56.3569744785	72.8564393086
272.851448473	117.3995212401
0.9645718642	1.4497255336
0.0912058549	0.1581691656
1.0113033622	1.6699244944
24.6373687832	5.3969832488
2.7706132142	1.3566484479
37.4425598221	58.242821892
5.7413978143	2.8003304048
2.6406217408	1.5700681416
3.7541307895	0
4.6286844704	1.3760679752
0.9267371024	1.4464324788
0	0
2.5285386117	5.788187968
0	0
0	0
0	0
0	0.1057990686
58.9152050616	9.8521775883
16.1649428854	16.8199433959
3.5340020304	7.3543982846
0	1.4982034825
2.4962467318	3.3395068156
89.4409417346	93.065072232
1.7888135009	0
0	4.0106007992
66.8907034788	69.6011024725
0	0
0	0
0	0
3.4402714258	1.8357285081
2.1593352285	0.8641658056
52.3148463631	28.0178264826
66.7572459219	19.2950659
2710.1678714175	3469.8056306817
0	0
0	0
0.6595395803	0.6862640027
1.5379382817	0.5334184193
2.5076026069	1.8481905605
755.3353688192	385.9533753742
4.4431134851	3.1883776729

gene_expression_table

0	0
57.7564071566	29.0790416828
9.7485175831	5.5964279842
22.2387223254	27.7677975132
19.0565555245	13.1333104675
154.2984507319	98.6870633239
3.1140200249	0.7623998925
0.6583930534	0
0	0
338.8641644175	340.8417153918
3.7901517462	3.4507619977
12.7480223051	9.1193917531
240.2762971407	61.4436881852
1.9568232772	3.4904801078
1.041439026	0.5418189718
79.0687878582	103.8731794316
0	0
2.1271224832	5.1643972211
1.710230498	1.6748505629
24.4584126215	6.3623657498
1.9934999997	0.638238847
4.0030768599	2.776853865
10.3094530872	0.6704493893
0.3254328246	0.8003728975
24.8970805475	14.9288269956
0.8589402743	1.3406165641
0	0
0	0
4.8131443117	1.9262200128
5.6868664243	0.5379361096
27.9092054506	11.6160325275
0	0
6.2227731795	3.2374594017
117.8104319478	136.9004789196
12.5307306599	9.193795459
0	0
4.0894272839	4.0778330362
2.9945133502	1.4956082304
0	0
0	0
1.4817042491	0.88099579
2.4838814678	1.6446995649
0	1.0288869967
17.501915036	2.8754351703
0	0
287.7419868988	215.255792924
0.538929119	2.616909996
2.1397774235	0
0	0

gene_expression_table

3.6994128623	3.8493123906
0.3588244858	0.6222733132
80.2210521883	72.3420485304
19.9323535681	12.4440053197
0.9914577184	1.2035699698
0.5855647273	1.2185834046
0.5695639412	0.5926425673
1.5200753968	1.2653348576
0.7871129436	0.4680037801
4.7209112926	4.073533158
0.8929211046	1.5485035056
17.2123245666	14.5621452032
41.4980324047	74.5290432197
4.9292572875	9.2962941675
30.9831982772	87.9925008282
0.8624446409	0.8973907391
11.7106479161	1.0444423898
0	0
0	0
21.6193480741	6.1350982034
87.4424435466	40.4380423401
0.3259544958	0
0	0.3050156125
32.2222442866	51.2779397682
18.2268915659	24.3841395311
787.0895939131	903.7046282969
4.2527973905	0
7.134830844	3.7119664383
2.3694847966	0
178.5947017433	79.6419969375
51.0902347621	8.1785233341
119.7726696308	131.3623678443
13.1879830444	11.1085752729
0	0
15.9317271267	116.0409444437
12.243469675	16.5614446566
11.2215839821	5.0041202142
68.230374118	28.3980225278
54.4594332502	83.7673070311
0	0
70.2036295927	27.3931004036
52.9765710042	43.1398736694
0	8.4255746139
0	0
0	0
7.0389835706	5.6008602684
0	0
18.0165808275	18.7466093667
20.4598975747	15.9666966441

gene_expression_table

14.2793982073	14.8579967946
205.5818156863	86.4290719275
0.1528398428	0
0.3345653101	0.5802030582
12.2164436891	8.4743011593
0	0.3344079512
21.810155695	23.3713290162
0.4189503124	0.8718522038
12.2001463526	6.7703968199
21.150320786	7.1200178472
0.4698683708	0
0	0.201302939
0.0228645962	0
20.2848325768	65.8034602204
0.5846607927	0.6083511404
0.9305099103	1.0562334552
0	0
1.8981663656	1.4433274858
0	0
0	0
4.8650654164	2.7721554845
9.457767636	12.9163054648
1.9483079737	3.5016189118
4.8044291925	2.6465843537
0.4035497415	0
8.3209213614	9.2352891344
2.5442796677	1.3898710411
0.5179841656	0.8084591829
0.0368375033	0.1533206086
0.3894080238	0.1350622551
32.9004065604	12.1473798312
0.0854383873	0
9.0664983214	9.0565163181
0.4232813456	0.1468108759
2.4561876109	3.6318010938
0.3223760775	1.6771934842
15.7701914319	12.8929402535
6.9128539441	5.6944278649
101.9180831377	49.9648218299
8.3409122299	8.1002921611
6.6544270406	16.8155820561
1.5699726255	0
35.8799084596	16.4042260099
0	0
1.9424859045	0
4.7262573744	2.6637890789
0	0
0.2420138049	0.2518201597
601.4953360884	217.4067151709

gene_expression_table

35.2596383487	50.446484557
2.1322482982	0.8874586427
9.8782374479	7.7088763584
1.2782175169	4.110942026
0	0
0.3544770525	0.1844201987
0	0
2.3136154626	4.0122712255
0	0
4.3904958778	2.443561701
56.3852526552	71.1308518758
0.6399487942	0
0.9527012399	0.7269566471
0	0
0	1.847152108
1557.4750353883	1698.93246441
1.0494905444	0.5222683821
1.2241221269	2.2290158278
13.2063455939	10.4245591141
12.5205099824	5.2994598275
10.9199432995	9.795187407
0.3634367945	0.756326373
0.7485799123	0.3894561163
0	0
0.3415663311	0.355406536
2.052702653	0.9708535394
4.8817263669	4.515140463
4.7297785926	0
16.2744644134	14.5147737566
14.0953827236	13.3332045794
4.6994713742	4.0749109078
19.5877449359	19.947789165
2.1844145542	3.4635072455
0	0
290.6786385598	159.4585610261
4.9525434831	4.6164259217
0	0
65.6196019609	35.5919820382
6.0675720279	3.8582065682
4.8971038251	2.6818597741
1.5631982475	3.7178028635
0.243823234	0
0	0
0.7119792606	2.5188169994
0.4391403696	0.0913868513
6.7935534344	0
9.5826164112	10.4044197543
6.2429380091	4.7095280134
0.5978988375	0.7776569855

gene_expression_table

2.7886632115	3.3852692201
0	0.1390289731
22.0323249107	18.9472045189
0.555328876	1.4445767495
13893.4822011259	15865.222649441
11.8577508313	14.394595498
4.667421394	11.4194423551
7.8464662519	28.5754126708
17.9733286928	11.0733185507
10.581043474	2.8973119495
0	0
0.3900566802	0.6764361751
6.7577398924	0
4.4634749402	1.2666365791
9.4451981914	8.4723412791
3.2706299839	1.8906418383
6.4263461307	12.2590242374
7.7139281297	8.2434273771
4.3708480262	8.5905797471
0.5429795893	0.1883270074
36.2457476428	21.3715039109
0.2353256595	0.9794440475
31.0798706519	14.5955777505
1.1376697552	4.7350716973
373.9291511744	265.857739351
1.212714711	1.3319566706
12.2340960694	5.4556368816
0	0
0.7602518584	0.8841226678
6.4300655593	6.6906106323
0.1851438158	0.337130166
127.299547775	204.2833573427
9.8776519321	17.4724173696
1.0534871558	0.6851089134
4.1236367996	7.8242647009
2.7897291518	4.7895679649
49.3995536639	17.6232735382
0	3.3946422387
91.2854816044	85.8051924006
91.8180118437	42.992307353
1.0650424813	1.8008214358
5.448277736	9.0704655153
3.8157349812	2.6468985736
48.8064039298	38.2961540979
6.0793034345	1.2651271381
26.7193570334	4.7934518039
29.8620125143	24.7163761769
0	0.9665189128
35.1224859618	62.3425668371

gene_expression_table

8.4302954722	4.3859447465
0.1479928473	0.3079789804
2.4353168322	2.2358783135
0.0705576439	0
3.7040097001	6.1665527862
9.520127533	7.0166659552
2.6003250489	2.7989893875
2.006979163	2.6578383864
7.7223857	12.0529430209
26.5594615143	19.9590776714
2.9859499327	7.4566561787
0	0
3854.4589164493	3693.750738539
2.0252523668	0.421463044
11.4344050194	14.5416638966
22.3763236372	26.2872672691
674.1033408893	206.7925236266
98.1392306044	73.7503102309
0	0
0	0
0	1.0542213373
0.5636783444	0.5865184872
46.632489855	21.3496930949
10.9810887717	16.3229149538
6.4676026098	15.9829631084
16.84227255	14.0197746671
3.7845628391	3.5003667811
0.7133537909	0.8164846308
0	0.0266742443
0	0
1.4079251939	0.399538381
12.1924719495	11.3741112204
0	0
3.8486343128	1.3348600889
25.5249267847	16.5994950751
159.9092627613	76.1140057048
4.4779219601	1.1648416334
0.4460502648	0.1547080465
45.2842026483	16.8282536446
12.9902122519	1.9309390374
2.2345577135	8.5253724628
0	0.6497239417
11.9269819273	9.7123782051
1.3211078535	0.5498555602
69.2581922856	45.7332540225
39.8130054683	21.0418900938
68.7055732341	56.9843923608
1.1794133587	0.9544911996
7.5419994842	11.7713998728

gene_expression_table

0	0
37.170081579	55.8656315293
0	0
17.0162558624	35.4115028362
40.1234026675	83.4983911177
80.3758194915	95.5801518904
738.0586128599	788.1742070658
0	0
2.8898962238	6.0139885738
0	5.9792526053
25.1351230386	13.076796799
0	0
282.0160804928	160.0599928195
76.2589462709	83.5252049877
0	0
117.1911854752	85.3578255191
0	0.3823599501
0.409368836	0
20.8650507359	40.2786884731
103.7308501259	34.4137407505
0.217756608	0.1132900328
21.6058428297	12.3647191825
3.7966623653	1.4365463366
0	0
0	0.0152648105
33.3848145067	19.7811111512
0	0
0	0
1928.3996036152	2407.8456007564
5.6576427006	3.5321336049
0	0
121.5919829841	106.2758489146
37.9216110062	19.0487802712
3.1224632892	0.9282814077
161.5874752172	93.5707658979
0	0
438.8896353132	44.0167096442
19.8210961339	7.2184851554
605.2513283744	404.5833702129
1.8555379773	9.6536201734
184.3276679695	234.41805585
4.0126623103	0
6.8175429003	0.3733572886
56.1919793601	27.9633716625
0	0
2.3383267389	2.7806574948
0.8350246317	0.8688596761
22.2342716138	12.0495834414
21.2168968136	15.3867223046

gene_expression_table

42.7001179542	20.4139302938
5.1206718877	13.653411461
8.8777180926	5.7734009974
0.2296525829	0
0	2.5393945651
9.5224560087	7.206039399
0	0
0	0
0	0
0	0.519358809
0.5658074908	0.0735917383
8.1577751685	6.0630905121
0.9410102954	2.4478496486
7.5904017935	5.5578261506
2.1158692959	0
0	0
30.0205451844	30.2903972364
0	0.8589178004
0	0.9174029181
0	0
8.3251574381	9.8999900402
0.583604273	1.7003050701
2.387818681	0
2.3757340615	0
0	0.8565841306
94.0684435386	22.5877106671
122.9628073912	56.3826471288
7.6176614249	3.9631638319
114.0841749566	99.2820883185
42.7494756318	29.5329163756
20.9541410199	4.1929228764
32.4498859178	17.4269673924
8.1065982231	8.4350760911
0	0
2.4389103405	6.0905628927
1.9609240919	1.3602535835
12.5675615193	11.4421971991
0	5.6777447791
24.9096959261	8.6396774068
92.1845438636	17.0180369477
0	0
10.6031303762	11.0327672675
0.5505823655	1.6040972127
2.9031488248	3.1984770503
2199.0703856013	1525.4508752569
128.6604110537	80.7492202337
0	0
2.0844021282	2.2411571094
0	0

gene_expression_table

3.0101410093	3.2481154938
41.6795879964	71.6522006423
43.5587866632	17.4322233391
2.0826828188	1.7027000126
1.2875094982	0.3653670399
0.7396995981	1.8692036464
3.3751061417	1.7559324107
4.0630468303	29.5937651806
27.9906019729	26.4770691028
50.5014799597	40.3491963788
1.150313148	0
20.9589690155	7.4607077256
72.3337647644	34.461866117
3.3459665846	2.7078679715
0.027926838	0
0.3370464287	0
4.5198227759	1.3437043322
8.0355518373	1.1944501313
0	0
1503.7725989997	2800.7825730843
0	0.7343808125
64.0430939828	21.8811699105
7.6797411632	4.7005428598
1.2619269436	1.7507466548
0.2140987021	0.6683218262
4.6528329726	3.6970422936
0	0
0.1511705378	0
5.8185051237	1.2108539761
0.9797511067	0
0	0
0	0.1891714402
4.4911970286	7.7886325093
0.3116827654	1.4594044215
12.3768241803	11.1985485375
4.7725154862	3.4545369985
13.2235301685	6.8796725886
0	0.2224538481
2.1161238349	1.6224296297
0	0
5.2779355126	5.6634151284
0	0
0	0
0	0.8149566459
1.0956695864	4.8452801447
13.5154797847	6.3510885011
1.0388874978	0.5713767434
4.5123816908	3.1927513451
0	0

gene_expression_table

0.7106471388	0.1848606075
2.7987717302	1.213407269
7.1614037708	18.6289563337
0.3432458615	0
0	0
0	0
0.2039055217	0
0	0
0	0
13.1964060972	18.4511952458
0.3021816944	0.2695080351
8.4143330344	8.3904769161
7.4817711855	5.8754197562
1.2957732655	1.1031363488
4.6798951314	7.8453436113
2.1409404725	1.1995259157
12.2623889438	3.0798210623
1.2924295467	6.1860733485
0	1.0625385698
18.472225815	5.1484063407
12.768348634	6.3968280377
12.2646451331	15.9520078707
135.4015048076	38.5994380443
8.4509313622	0
17.647555411	18.3626311082
89.3795751353	2.4474005018
0	0
0	0
0	0
0	0
15.8701188088	4.0031934793
13.8171606518	4.5401145658
0	0
8.2591005685	3.2597012358
0	0
3.0896582241	6.4297012133
6.4630786205	5.7642526086
48.6295722496	25.4210694953
80.0321972337	42.1273970215
9.8171349482	10.2149234495
2.3641064796	2.8113138732
3.8550445486	16.8472510255
2.2219872002	3.963465793
4.2455578739	0.8031976541
0.7731671289	1.8771566769
879.4211465261	563.8218474852
0	0
0	0
39.5162960779	17.6217810523

gene_expression_table

0.5918110907	0.6157911672
0	0
72.96720292	26.281322499
14.6389252879	37.445559122
0	0
0	0
2.2989250041	1.6132612475
198.6462789116	41.6864651238
100.185182104	63.3920273779
0	0.0193543278
144.7991862595	94.4857226703
5.8937033593	4.6723924835
9.4872534515	7.9913561266
4.487669462	7.3933892541
0	1.5726312856
10.8493402178	6.3970736424
9.2226647094	1.1995456733
0	0
53.3551331096	37.0113821888
5.1417558666	4.7016020355
43.44845953	42.2922745255
1.7312057526	5.4040616732
14.7956295509	4.1986761101
3.8363632664	1.3971341999
4.943656183	1.9912150535
14.7452006665	9.4667559793
0	5.6353046979
0	0
52.135142086	41.6850351231
242.4513714793	194.0580434063
0	0
87.7268191965	87.6302340136
130.7140310015	75.5614108221
10.3063979227	6.2556732406
0.6155188722	0.8787701263
14.9858103121	9.8882645678
20.3651126872	17.7227991279
18.1778964544	18.9144614731
71.0179807057	52.0285461091
0	1.5697838634
5.1944652457	9.2656183224
2.6388499804	1.9168622783
2.8279572656	7.3890588845
0.2580136647	0.2684683309
4.9332701523	6.8442204679
3.1078797929	3.374410967
0.6363652066	1.0878188554
2.922978217	1.1628946421
0	0

gene_expression_table

11.5073678729	16.7631020216
0	0.3512860873
79.5877357301	37.6420982426
25.3608707195	40.8805273181
674.1125118163	901.8352629311
0	0
0.9559584627	2.3209520219
3.4982198642	2.9119736714
0	0
1.1470075935	1.9891402169
0.3011884815	0.3133925834
3.6755523004	11.4734550092
0.7723041825	0.4017989029
3.8369037592	3.6121482606
0.4368500634	0.6993094577
3.3627881503	2.0511658974
46.9573666322	21.1688829973
0.9425884395	0.2942345849
48.5714412919	28.6072908416
2.3492756149	8.5556374066
39.408337571	30.3081588981
0	0
13.83144549	4.3175679347
0.0668846841	0.0695948392
49.6366182025	37.7911352462
0.6236326361	0.3244510579
2.5338099603	0.8788264912
0.5825574891	0.2755284597
28.8553407525	15.6649846168
13.8355922761	13.5964185993
0	0
0	0
1.6254961544	3.3827219187
0	2.065440568
0	0
0	0
2.1288434561	2.7688797514
0	0
0.1182086779	0
1.0389855802	0.772203632
0.1893272731	0.1969987793
3.9205410805	6.4590510823
0.2517765543	0.0873261646
10.3917994924	10.1949948212
1.1249214645	4.6820123006
0	0
0.1643417938	1.0260053582
0	0
2.7059489445	1.0167420964

gene_expression_table

2.5192880472	3.4951588469
23.8426845029	9.8899888902
0	0
0.2287457664	0
5.4870806075	8.7320481589
1.5769509231	5.2507157895
11.2002706322	20.09328196
0	0
0	0
3.4324586147	1.4286164824
1.2424359686	1.508242453
0	0
2.3273293783	2.3035039297
1.8290565597	1.5769119501
0	0.4400916881
9.1855668351	2.0480923527
6.2921927821	0.5951955705
0	0
0.6135709343	0.6384327156
1.0062548502	0
6.8767705171	4.8958109424
37.6703115307	36.7659021713
9.1879181665	0
2.9015699292	0.9057423026
33.253429227	16.3392912501
296.7511077944	168.7797781372
51.8594345015	31.5867917519
1.7530120019	1.6213722005
0.1047689655	0.1816903078
1.7280940105	2.3974880823
0.3475989023	0.3616835459
17.2252690832	22.4040422702
2.3559866587	2.3793493103
2.9393767581	1.4564189349
2.0514227986	1.2197406131
9.2872553151	8.697215872
60.0190687785	56.6480585477
7.5132038081	3.9088187218
54.4043177649	24.3417714043
1.6152942133	1.8908388422
361.4963953007	57.8683327238
25.1502966716	31.4032584765
54.3534087158	31.3468187331
127.0265811677	179.5491787971
0	0.1637831621
1.9037824465	2.8813430704
64.5396648855	68.3126416113
6.7508959184	6.7317559377
11.8228134344	14.2701711242

gene_expression_table

4.9048524586	9.1135646026
0.9704793742	6.0588181191
1.0677122951	0.5554879004
11.3506095411	22.3556539279
0	0.0841469847
2.605008479	7.4088720445
3741.5856505312	1757.6070056203
7.8009830878	14.0403502473
0	0
8.7413139352	8.5902042355
0	0
585.7603660156	347.8432591453
19.6172169617	13.9399727685
4.8528850205	0.688571322
6.3004108032	0
0	0
0	0
7.729400081	0
35.3009853297	44.6023836348
7.7158008031	19.2682647157
4.1109063397	4.277479508
6.9600110989	7.7248314322
0.1776387433	0.369673265
0.6132999623	0.2127169213
8.5344531462	7.7702341648
5.8192711436	4.175908234
13.4069104663	15.2183520118
0.553475259	1.4397549367
0.4270452445	2.666094235
0	0
14.8453768032	4.6069727818
0	0
4.9019035065	3.1387862981
0	3.2356470527
0.0488522774	0.0508317627
0	0
122.0901447025	87.4314949572
0.7337994969	1.9088322936
0.0547712355	0
0	0
28.8078115412	12.1932605136
0.8240820183	5.1448420202
40.6324065743	20.220307231
0.3754638287	0.195338777
4.0303734384	8.3873668567
55.7833386956	32.352209125
2.1377416099	2.7804531331
0.8229273075	0.6422041279
5.0537251768	2.8546149322

gene_expression_table

4.1371863393	1.8449247293
0	0
2.6133866386	1.9261570805
3.4158853753	0.7898436493
14.5538805471	7.3671572959
19.1652881097	11.8884177644
0	0
30.2963491452	4.9774660479
1.0302426261	0.6431927206
0	9.8131480223
0.0987282407	0
9.7065460815	12.5238183924
0	0
0.3544261636	0
9.9796092397	6.1359888728
0.3555946265	0.5550048829
0.7739743372	1.4093373611
44.8305204696	63.5364922022
19.7961918463	5.5457042029
635.374639685	434.4140359739
1922.6520420622	595.16587081
36.2758185552	15.462097272
0.1545492926	0
86.3729786826	16.8511492278
0.5781525523	0.4296994195
33.2939207625	36.6808069101
8.696943713	4.5246711358
60.5365842191	31.4947577349
0.7558364048	0.0983078446
2.3645537399	4.1006083705
6.5397305835	7.7433012305
185.5231887467	52.1350401878
11.3596363835	38.4147619667
6.3304990515	9.4100138685
25.1007055074	13.0588907374
10.3546472621	3.1688869598
3.0622798287	1.7702015799
135.5811354197	58.1624414863
4.7046861911	6.7310639133
1.0745338031	1.118073715
12.2829509109	3.5146798008
0	0
1.7921319075	0.4661871906
1.713112419	2.3767032252
0	0
1.4276181423	0
0	0
1.0298224308	0.4286202584
0	0

gene_expression_table

17.4767410097	17.115195613
30.3024422507	10.0531364629
1.2186678579	0.7245988887
0.3714798612	0.1288440523
0.3372169366	0.3508809048
11.339989163	5.8997417184
0.6609521507	0.4584892068
18.1230574276	43.9731519754
3.2142377666	1.8008728173
0.3195510369	1.4962463375
0.5762105935	0.1498896352
3.0639394753	2.2504162863
16.420935398	13.853763793
3791.4931684958	4610.4410901324
1.6749169882	2.1784803954
0	0
19.4768234753	8.4441753241
0.5013664917	0.5216817697
0.8759539843	2.9622043052
12.5081889606	7.2730985596
2.2401146958	1.1654418655
19.5078566867	5.0745778623
0.0815340753	0.084837821
36.1182031801	36.6650791467
0.9000684088	2.8096170451
0	0
6.8942213818	7.8257170509
0.3334028658	0.3469122885
8.9845733096	13.4620222557
0.0827330463	0.5165122444
0	0.0298080979
3.5681368235	2.6814067734
0.0804858081	0.0837470783
22.3170860174	9.0708477482
0	0
3.5190516889	0.4882190688
1.1511607388	0.79853704
0	0
34.3610350311	16.2677687201
0	0
0.4718172869	2.9456114194
4685.5501750301	7699.3790380982
41.6496042074	29.0743498826
0	0
0.0930644547	0
15.3218365363	7.2466702422
105.1181813186	83.3131130701
0	3.9715603654
254.8604754868	165.3856747601

gene_expression_table

12.868911912	9.9860295861
1.8127473702	0.94309978
2.8640691887	1.4900603726
1.1014995422	2.2922642019
89.8537676956	18.2428538195
0	0.5701829126
2.3979243101	2.2015480251
20.3394458677	20.541137751
0	0.5720074076
1.5132428218	1.5745591424
35.1944806221	50.3532624366
0	0
4.3436951843	1.1299252284
6.4300655593	2.2302035441
0	0
4.6258394378	1.2033194001
0	0
0	0
0.3896234966	0.405410969
0	0
92.9054683195	44.1919912213
36.5953040342	104.7148823003
220.7999615878	211.6088352304
1.8064592493	3.7593132912
43.6457306735	26.912146754
19.2849258783	47.657575373
5.660525331	5.8898887756
27.3807132053	64.1028929961
799.5463138067	237.192482894
8.7904979953	13.7200310342
0	2.6073629225
13.6917014794	5.5747121883
0	2.0733986076
0	0
0	0
14.3448236623	4.2645923648
0	0
48.4134077701	25.1875550712
2.4036617012	0
0	0
5.3753840894	4.6609947195
0	0
7.0651739626	4.6967619655
6.2703571371	2.3151206257
0.8102092582	1.0537984853
2.3791257869	10.3972156089
11.5674317818	14.1601670454
11.1491352799	9.9821664885
4.4825262374	2.4073070325

gene_expression_table

0.900463972	1.0618773539
0	0
0.7409336889	0
0.586053073	0.6969140979
0	0
0.3327858969	0.1154234401
15.2951599228	21.2198893171
2.8069351025	1.7524029577
31.3328246097	4.6574892709
0	0
0.0933741985	0
4.0773339465	3.0459310126
0	0
2.7652639345	2.0141183441
0.1466333466	0
0.4147741043	0
2.1885248153	2.0092971512
7.3904702365	3.5245515847
7.9587982549	10.6473693798
3.7065361598	1.9283621614
12.5023199613	4.9344147695
28.0788519806	28.0691220622
0	0
634.3040544955	247.2798527965
3072.5020094641	4399.7621772143
3.7484500403	3.1911844467
6.041614971	5.0291360781
0.3050637472	0.2267320529
0	0
0	0
34.2778634281	15.2108395326
0	0
1.224789395	2.8674396808
0	0
9.2370137228	8.321975648
1.8892375493	1.5726312856
0	0
3.4011674076	2.2118638031
0.9129179353	0.5699455212
0	0
14.9240672335	13.5876892296
0	0
182.7166232946	64.8137274687
0	0
0	0
0	0
0	0
23.6183160463	28.4556404759
0	0

gene_expression_table

1.2091734443	0.7549013578
0	1.0318257992
25.7413232567	20.8197732496
0.3723014806	1.5495482724
5.713220957	3.2010028716
7.7932595049	3.6040181981
0	0
0	0
6.7447481836	3.5090220693
14.5153183956	4.6872857872
2080.8310469867	615.9466892678
3.9793867865	0.7528419649
2.2796405054	0.4312747489
6.5325701978	3.3986343699
0	0
0	0
4.409204015	5.8622708585
94.2511966188	37.1990557016
1.5439226622	0
0.3603972053	0
4.2071665172	0
11.4286377997	6.7952709143
2.68913774	0
2.5784599373	0.6707346648
0	0
0	0
4.8070922811	1.1115277279
1.1298280125	0.7837389571
5.3791435037	3.5617943508
0	0
4.5151794194	4.8938892275
1.7726397803	0
16.7328049331	8.4821919764
0.9619225406	0.1251124331
13.3103726634	19.6204175614
2.5088295338	4.2420411227
6.4366885186	3.827143973
48.9829301649	21.6226646278
2.3545865877	1.6333293353
3.893822437	7.0902989595
0	0
0	0
0	0
0.0173533407	0.0180564948
18.8513422789	11.1152772791
11.7401340028	7.7737176821
0.3306203193	0
0.6549197279	0.4008570322
5.7642983655	1.9992888914

gene_expression_table

0.7991637967	1.0761180509
20.2170027768	45.0775543036
20.1661038791	20.6876922362
1.5481778683	4.8327292518
0	0
0	0
0.7921936953	0
4.5257638382	3.3905858083
0	0.5441526578
15.3077621979	17.3760326234
12.2206277783	14.2244602406
0	0
11.3274634018	6.5480278522
0.6384409844	0
22.5100328262	15.9696376455
8.7014524056	11.3175420695
0	0
20.4348087978	35.881014638
88.9629561848	36.7897343932
0	0
3.1565303964	4.5982053979
67.5226360396	73.0689864573
0	0
146.1417371674	105.9835633206
0	0
0	0
10.0337266491	11.9317616071
0	0
22.3022530286	20.7068353933
10.686994383	44.4801177138
3.3086100597	2.0656045982
12.215647687	8.8974364381
167.4832821565	135.2092297687
81.6891498754	44.6605856779
2.5356627008	2.6384072867
21.3844374009	9.0063291611
0	2.408979238
57.577544927	81.3072108967
0	0
0	0
2.1134374743	0.6872104912
2.1658530815	1.8384738038
2.8330464966	1.3686404732
1.9993665106	1.1095362526
0	0
1.3644212692	2.2715317886
2.1135308105	1.5708362071
0	0
15.6035454818	24.0289814439

gene_expression_table

3.101311381	1.9361855684
0	0
0.87329158	0.454338597
2570.7346568792	4759.4418373041
0.4317742586	0.2695618032
17.1304713563	17.9911799019
1.2694893406	1.3209288151
0	0
23.4437325785	25.7488721027
26.676143068	20.3551740153
3.9765165125	6.7236718732
126.4139802266	99.7556806214
4.4170545465	3.596895222
5.4246701089	14.5143687685
0.1674748663	0.5227827513
0	0.1499933614
1.4748001806	1.0230392084
56.4531935547	40.1909823881
8.5914692771	8.939594031
7.1382435907	6.3133613211
3.8290909158	4.1834572237
3.2389167531	3.7446189598
27.6691681188	35.6999939708
1.1634193841	3.147458401
2.8348709816	3.7925221269
1.5914078627	1.9870696996
4.5862897224	4.3219248343
0	0
50.4414273918	28.4295400707
4.3774977047	2.8467956913
0.1684388978	0.0876320055
0	0.3613519059
0.6830005188	1.2732937369
0	0.4528095565
5.987216861	13.1518375487
14.8728460609	26.8545285797
0	0.643885353
1.0199269585	1.3644697
17.5410333804	15.1049319927
0	0.0181716774
0.3867500411	0.536561442
0.7773749393	2.022185072
76.3235763293	68.0710230813
3150.1459896519	4814.80335284
2.827781313	4.9039374856
0	0
38.5339974797	35.1804694406
5.859888944	14.6335933572
13.7926502824	20.7299819037

gene_expression_table

0.0635749607	0.0661510064
1.939477399	4.0361293325
0	0
4.5102034106	4.4796398399
26.1385754988	23.9598836521
0.0940343903	0.0978446465
3.2320396537	1.9782360621
14.4258801991	12.3712205024
0	0
3.2147743573	3.6237894578
0.506341552	1.3171460463
7.3069689638	7.8745833585
87.1804760614	37.7301912086
14.4735185375	6.950761313
1.8781019683	1.36794162
0.2088058562	0.434533262
13.4147412872	20.3343196043
52.2369936393	84.0942908414
0.1517113959	0
16.962225628	4.3291304632
1.5755849214	0.7806796821
14.7584091851	10.2376114726
0.2983757959	0.8279091418
42.5631328024	39.6259112035
8.9848545804	8.1426070751
1.4760246418	2.6528022623
8.7574329758	12.4768176429
0.295539514	0.3075147207
0.0453496392	0.0471871983
3.542236228	2.1264040316
1.734539326	7.219290161
0	0
0	0.2060684115
45.8668866017	13.1244862114
142.9964524551	22.89086806
6.2650207162	3.4511708131
0	0
5.0174702244	1.6314928732
1.2870394327	3.571173423
5.5219147667	1.723698521
0	0.1706458087
0	0
0	0
6.3397478353	6.2085960007
16.9974533697	7.3692446049
0	0
10.4545712513	5.4390942771
0	0
3.6541139293	0

gene_expression_table

39.2667873589	37.1435185051
2564.8774348636	3690.7125664652
0.0369169057	0
230.8619357761	158.0371177128
0	0
1161.0438196023	2368.4006678765
2.5393655733	1.3211300995
0	0
7.3177407956	8.7020049209
38.6149501094	20.7242254553
0.2326091758	0.0968137827
1.8857653051	2.2074481892
6.2750260099	9.1410044725
54.455294681	30.3074814785
13.5154797847	25.2415055812
8.3940495087	2.4954785285
0.2410406528	0
83.9855713255	24.8536530987
0.2882548013	0.2999348328
0	0.4420663757
12.4066308625	7.745607157
3.6097322076	13.9508493143
0.3586305143	0.5330887954
1.0466718949	2.7227071186
0.1750739245	0
4.205279102	2.4309312429
3.5174980237	2.2875164976
9.9950395015	11.8857561857
0	0.6129315149
3.5524592996	1.4785617186
0	2.8734497565
119.7871812827	75.0526065161
4.0041164321	4.3557426063
35.4659996267	55.354613106
0	0
17.7777470433	4.268791865
13.7213557633	20.4641910219
3.3778426218	0
0	0
277.8925141537	177.2226027722
0.8317633458	1.0818328044
2.6791016851	1.7920661093
27.5839913044	11.1103314407
0	0
3.2348998495	2.2439849307
0.6415542916	2.4476831624
27.6361303061	5.228352949
0.2975393975	0
0	0

gene_expression_table

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12.2117415442	9.2411338647
2.3706886563	2.9366053861
4.2556676525	3.7955198764
2.8652555187	0.2710322859
5.6472720986	3.7393354248
10.7696486485	6.2863110995
27.6636563323	15.3517773842
0	0
13.2617560024	7.2533835449
14.8010623442	8.4337706982
3.7018445385	2.180288263
37.0547651034	12.1176683149
0	8.0838380212
1.4587348192	3.0356849712
11.6345728936	8.0706690973
0	0
0	0
1.259082511	0.6550501513
41.4227105354	34.7203717536
1669.0530404218	953.8257658938
7.0366669797	3.6608957153
39.1923484821	81.5608304584
26.5524482946	29.0331798979
2.9824763444	11.2495557966
0.5336082797	2.2209199559
117.1692128146	136.5469142831
0	0
18.7606644479	24.8447094234
0	1.3109917632
5.2716967653	7.8361499256
10.8152461032	15.3994960528
21.9504481757	12.7634602829
0.7922125252	1.2364692464
0	0
16.9837817672	10.6551532444
0	1.0056740839
3.7482201022	0
108.5368865077	92.6644358341
143.4224597613	126.2748481363
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108.7057180338	158.3546352096
14.2178276833	14.7939314442

gene_expression_table

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11.2961102014	20.5691963884
14.3002745205	7.4398595061
2.988448785	0.7773850449
116.8939002541	64.980635117
11.9416600319	15.5319173732
8.6431940619	2.645121969
11.2143920421	0
40.0110121839	0
4.2835424797	1.3928471352
0	0
96.4284336246	9.1214269098
5.7109618145	9.9039482268
5.3583879661	1.8585029534
0	2.8328430903
0	0
17.3392406659	1.6401657733
3.0362844676	2.0219610594
17.187416702	19.6145425986
0.4896884186	0
83.6621727808	81.2132849966
0	0
154.1748346743	14.2597307199
15.0560938785	15.6661640314
38.6265251729	74.6416633182
0	0
29.6347123436	6.8523345408
185.1620730508	52.0715692356
74.7223862191	55.9800889603
0	0
154.0855581286	72.8768529929
44.4388975322	30.8263689875
77.0211984539	29.1425757234
0	0.1224287771
3.9651624709	1.0314575311
7.5371264471	12.1994902144
24.7892697279	16.1210789842
31.1604087034	17.1378834424
180.2226377928	129.1840445131
62.733724494	44.3874647557

gene_expression_table

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45.0076903729	2.0361475523
25.3030467273	23.6954893712
4.9928852216	6.9269280158
100.7334917921	144.474997603
67.4679618404	33.6968405936
0	0
64.7551091764	35.1542474515
3512.8804528693	6029.6178000583
46.4934659315	9.2147376407
4.8237495433	6.1103389407
32.826517106	17.0783207687
0	0
67.8705458142	32.8468129484
6.8367534665	7.1137774586
72.9273460864	29.3507197908
4.3290262565	0
0.7619141631	0.1981966962
73.2348344301	41.9112630433
16.4945656669	51.4887672958
9.9059193293	2.9449443878
7.0979205429	3.2311680524
14.0051619359	9.7150990132
261.6903453368	147.492577898
5.5713787612	3.0835797889
155.4169883383	141.5001490885
31.6052504001	43.3495813886
910.7886770049	518.2699739032
5.0247110946	2.7517428755
6.5860493463	0.9789878362
0	0
10.1369431371	2.2805816665
1.2432294473	0.7056026595
0	0
8.1470188416	2.0462048903
23.2693919356	11.5558529931
111.9532529048	140.7812436844
8.0461363416	8.9123039379
0	0
3.3274270603	0
13.0825769937	18.1502408075
142.895627044	94.8512425416
1.0153178285	1.0382435215
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4.6352751123	5.8948946304
5.2810402543	3.5717675718
0.8997875618	0.985522935

gene_expression_table	
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0	0
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18.2185624778	34.4030366124
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66.9747221285	31.8576116765
1.2314037224	1.2812999745
1.1506507103	2.6938684469
6.5089684892	6.2435926714
0	0
0.9067682324	0
1.7469646099	2.1207098434
14.2276016614	5.2871790936
13.0443364781	18.9648608262
109.7939980006	108.6700095874
3.2468751241	1.6892189533
2.0787209997	0
0	0
0	0
0	0
0.0221574522	0.0922210724
1.6301404859	2.4264990037
0	0
0	0
60.4321967323	51.5510066499
1.799553645	2.4966283034
56.9433206381	36.06561518
0	0
0.0968668568	0.100791884
0	0
0.8830971452	1.979126324
0.2724574353	0
3.8730833378	4.0300199618
0.8057180847	1.8444043931
0.4300538471	0.8949590996
4.6047489844	9.5826651315
33.1420182227	20.2852510008
67.7614394995	77.8857727077
0.0447300604	0.2327125711
0.1456039158	0.1515037597
1.2181792766	1.7084230424
7.0591156081	8.7223652371
11.0670955705	8.9565250803
8.7914132781	4.3330925018
3.0238465946	1.2235892286
0	0.5467693332
21.8487106444	9.8115228581
0	0
0	0

gene_expression_table

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0	0
4.0845826342	7.9689171951
1.7552345189	3.0439271643
26.2498031588	35.7175758443
0	0
0.8245386909	1.0295386163
1.544242865	0.6886351293
14.5288461853	6.0470209435
2.0903896857	0.5437729728
0.0703925292	0
1.7435223451	0
0.2710856967	0.1410350196
14.6872478379	7.3581793119
0	0
54.861030335	57.083989187
11.372556807	12.819484942
9.9552631636	2.4533641408
1.7339240666	0.6560663093
0	0
4.3878606221	1.5859646904
1.5517338048	5.1129309478
16.7307127249	21.5535519645
34.2603519456	41.1329712702
0	0
0	1.0219739822
0	0.2002613882
30.6550453569	50.6859332837
0	0
1.1459200619	2.2012662128
130.1073772901	41.3658985274
1276.1022509492	1846.1661502437
12.0295867859	10.6394699142
902.7884378766	1302.7973660665
1.6982152833	0
0.3586481561	4.1049856475
20.7258299396	12.0201909777
5.0443717685	1.5746306353
0.1585585851	0.4949500494
0.1556768733	0.8099243575
1.0978978235	3.0062748454
29.672596284	39.0177616349
7.5553105473	3.0884269193
0.1971044103	0.2050910447
3.0373110199	3.5554300913

gene_expression_table	
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0	0.1084363043
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0	1.5167803145
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3.475535144	2.2012645494
0	0
0	0
18.3973908227	26.3214183551
0	0.1130654635
0	0
26.5891152869	15.893522049
8.0643373508	3.8141376436
15.9898163256	8.3188603701
30.8424968413	20.0576432105
0	0
0	0.1095647857
0.2299515189	1.914152897
0.1703840927	0.1772880248
1.3808618958	1.7960177071
70.9250165875	29.0546792149
11.5299261355	9.5976932964
0.5408823945	1.6883965487
0	0
2.1035832586	2.7360250813
0	0
0.020010767	0.1041079981
0	0
2.8570474857	4.1619403336
0.665582427	0.5540413636
5.7591521152	9.4881438399
9.6996157937	1.3456856587
35.5790637631	22.885536543
0	0
218.0452765728	118.9470221029
0	0
1.7085812883	0.9523996541
0.1392870946	0
32.5017331916	15.500236326
154.9309141658	152.7240185931
0	0
3.281781197	1.5521628941
2.4734692125	4.7184385046
0.0645215225	0.5706553432
5.8172695243	5.9016596094
0	0
0	0
16.3538631743	11.1487536311

gene_expression_table

2.8828139617	7.1991001268
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3.5700323742	8.442475975
0.6684015151	3.1296825966
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0	0
48.5876914289	100.0811470831
12.6593187737	5.8543431291
19.273587927	36.0981902924
7.9677679056	4.1453101973
2.3284818782	2.609203192
4.0792362491	0
41.4084150114	14.3620921221
3.3252691958	2.0760050949
0.9286824016	0.6442082944
0.3871613636	0.2014245354
1.7523593109	2.7350468814
1.3846769069	1.2006531336
0	0
3.5628645959	2.0389771675
0	0
1.8008468539	4.2160878833
0.0240475777	0
14.9829686782	3.6682531321
0.3584707145	0.1243319606
1.6618608425	0.9606661877
0.1280610664	0
3.2285785622	2.896034458
6.3422873699	4.0067030955
0.4998376297	0.2600454792
0	1.2056621162
0.7743647051	0
1.2254144801	1.0929154709
0.2137417153	0.2224024903
1.129113529	1.1748650014
0	0
0	0
10.3638174131	13.9290199585
1.3656139125	4.2628450108
7.8920900427	11.8615987803
0	0
4.9843775273	4.7148578066
0.6933033751	0
0.390269825	0.2707223244
1.5074525613	0.941120557
11.9169901213	7.5776948913
90.6586728102	32.4041721343
0.7635199567	0

gene_expression_table

2.0833337385	6.5032501146
8.3205575755	5.8148765174
36.236740157	32.3186110275
11.1964345484	3.8833706719
0.0611010808	0.3178844267
1.2105612796	0
29.6551674896	18.5140736509
27.8172271752	18.5791603348
11.8944261053	8.2509240413
1.4995210667	0.8510625733
0	0
0	7.5211812021
3.3934565803	0
8.8706952046	15.3835569027
122.7688851838	209.3275149082
5.3186736824	10.4534612377
11.3244698861	7.200927141
895.7077057336	747.9025322522
0.6097320469	0.6344382772
50.5206175929	28.1612698497
0.8283421103	2.3702425454
0	0
0	0
4.5278050739	14.8068514068
1.1524891657	0.3527022984
0	1.0470913379
0	0
0.736079149	1.5318098814
2.0052085667	2.1907822112
1.2836686623	0
0	0
9.309824902	12.1088216169
40.8285637362	19.5421476272
0	0
0.6484401087	0
0.9600522281	2.711444855
0.9803274648	1.360066871
9.1555923197	8.0609482761
1.1945654757	3.3145841305
0	0
160.5432287282	92.3435314406
7.8229896831	6.175154044
33.8096257252	13.423789218
0	0.2421324697
1.7801763208	1.2966161164
34.0502369913	8.3364579593
2.7997983739	2.1363801717
0	0
0	0

gene_expression_table

0	0.0951493791
5.166459265	7.167737658
2.7131842833	6.949223412
0.480503628	0.8332892443
1.355799743	3.2917184978
1.6775866489	1.7455621511
0.4783588304	0.9954836843
0.3093022491	1.287340477
17.9035094269	11.1773738002
1.1995167677	0.3120302416
2.6057293255	1.2324149992
1.4393817868	2.396328435
0	0
0	0.1733203314
0	0
2.2860644112	2.8544343845
10.148956501	7.9201427628
20.0448292424	24.9267087724
0	0
0.7068993465	0.5884342223
0	0
8.305192134	20.0123972416
0.5283719328	0.8246721994
0.1327009601	0.5523119145
2.9870203575	0.9459294395
91.1268841193	98.8541937425
41.7340837421	29.5290959713
0.8124429752	1.8597986331
0.7343276351	0.5093883038
1.0602680634	1.9612976536
1.4145198185	0.6690163187
0.1420947371	0.1478523897
0	0.2077497461
1.8686461734	2.9165450587
18.5781344198	8.200995094
125.8001345568	24.5432874104
0.371397071	0.6539855587
8.9111104137	8.4292608796
0	0
5.0560032083	1.1690825617
0	0
15.1654998886	9.0854563607
3.8349405298	5.2181259571
2.2926081546	3.9758403585
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0	0
0.1605846	0
30.8823414782	14.8309330481
0	0

gene_expression_table

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478.6428734784	477.709337694
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48.4807781364	48.4614099368
11.8612172167	11.0194924601
66.2437097447	42.7608223054
0	0
6.7093709927	13.962466941
0.0474756963	0.0987988055
0	0
0.2485359886	0
0.6309748481	0.8441252137
0	0
110.8239792242	15.7965132144
9.3779327938	7.8844033229
75.2709247395	37.0993683583
5.4604420478	5.3265920199
0	0
2.2893012054	0.7940210896
4.7699986617	7.4449171944
8.7531161806	7.2395260501
0.2367168003	0.8620798253
293.9305914227	192.8125552561
5.6655988972	1.0718487131
0.2996796607	0.4677339382
22.2054242876	26.753370939
0	0
2.4370556558	5.0716094049
9.8007762642	16.996503191
1.4181517794	0.7577482579
0	0
8.3191213452	4.3281053055
37.773222789	28.0741334459
0.1335046672	0
4.6393615185	0
103.4264488725	94.1651108519
0.8183413612	1.5813578905
221.0479668463	206.6639231629
33.7104499625	48.3812292284
14.3998042475	7.1231994802
0.1545994747	0.2144850893
7.7459266406	11.8210255716
0.0953253474	0.0991879129
5.469072814	5.6906786379
0	0
2.8648405645	1.9872822513
2.5559049725	4.990241032
0	0

gene_expression_table

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4.776473859	5.5222396673
1.1967243893	0.8301436275
2.9779461356	0.4426588521
504.7059850717	283.5201161054
3.2961650743	4.2871563456
0.8705489324	1.0783612082
0.5552456127	1.7332321883
1.0428402112	0
1.2461194804	1.4406800138
3.703241461	1.9266480617
0.2068233745	0
3.6046667825	1.3237860766
0	0
0	0
4.3065059714	5.3577231313
0.3026787979	0.3149432871
1.6305857705	0.7540696915
0.6103797002	1.2702243466
10.5589016788	8.2400598236
3.1740054424	1.4678291372
9.9093872885	8.1237502963
24.8082069198	16.9825203278
10.2982243076	6.4293038767
42.2658683539	84.4386692362
1.3453286974	1.3998411686
0	0
31.853630769	3.207516196
9.2438822952	10.1116961764
79.6691412237	57.1705656296
3.4742551619	2.2761308448
4.4939453911	1.4387813019
3.9503583204	3.4938621956
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0.0659004907	0.2057122992
24.7677779161	13.7447273167
0.4888265693	1.5259011958
1.0119579727	8.7746860289
1.0158767038	3.3221252142
8.5635080034	5.3462998629
8.2722481755	11.5755202695
1.5292196863	1.5911833865
48.584800509	42.1278730696
10.9252097298	8.525922913
104.53666681	73.140111363

gene_expression_table

6.2980296956	0
46.3098140185	36.1397093694
6.9155633047	3.5978903285
14.8195523118	15.4200378439
93.7247010321	29.605016917
111.0226962167	16.6217720048
2.1548569955	0
91.9625747653	73.0257252553
0	0
0	0
79.2608160503	134.017730809
1.1087641497	2.307382138
0	0
0.1806204716	0.1879391799
2.748371113	2.8597346046
29.9564314019	9.1677236732
4.0850036172	2.7048809531
0.3676525377	1.3389241279
62.9279224887	25.0139720347
7.1651671685	1.104518285
0.3874872479	1.4514773757
0	0
6.8082635023	2.8336532345
35.257307133	10.3179168925
0	0
0	0
144.8865415115	337.1481827885
12.8921462431	16.5101952444
3.1482712085	3.2758385785
7.1973596392	8.425119743
3.4220268953	9.2577856676
0.3614769966	0.4231394752
0	0
0	0
0	0
1.0477430835	0.7267982936
0	0
0	0
0.2746600505	0
0	0.1897562643
3.8211304103	3.3133015927
13.4881315861	21.0520022931
8.2993921256	4.9346754098
0	0.7515042172
14.7241534897	1.6415114442
206.6514710361	33.080761632
0.5749496332	0.769174054
6.3317929766	4.8383239835
12.0757873729	9.5734065178

gene_expression_table

0	1.3683579984
5.1111644403	5.6981441601
0	0
68.9331399155	20.0411715161
0	0
0.3332384133	0.693482345
5.5392701718	2.5616535021
1.1203083411	1.1657030289
4.6869882083	4.7143406376
3.8105725889	4.9562203611
0	0
10.4480166612	2.4158596385
26.3915060074	12.8722898313
5.9759152179	10.1043445794
5.5345687727	5.7588284807
20.4482106568	8.8041800231
7.7224862617	5.0454837107
5.9819931167	2.593492657
37.0684533843	40.9811140613
0.7223801021	4.5099048651
3.5611895661	8.0285580091
0.7140676644	1.0807295341
11.8019293976	4.6391645307
1.4647610596	0.4354608309
20.5358291599	7.9508603453
1.3535788957	3.1689577427
0.4697888949	1.4664739634
1777.8301670989	2834.4251064891
0.997628535	1.0380522596
1.4242019122	0.7409551558
0.4123978959	0
0	0
73.5991172917	98.6471498027
0.2815534665	2.6366576502
2.8645966805	2.1290497219
0	0.2081612552
700.5606547378	656.0525191761
4.2538829801	19.9181229099
0	0
7.6630532992	6.3788470468
0	0
5.814440188	3.9638194638
1.2687161458	0
11.354218556	3.5442868206
2.3196807593	2.4136737967
0	1.9748115205
6.6317914338	2.300170134
10.3085639394	24.752919353
41.993558352	54.841846344

gene_expression_table

10.2708295322	2.413193922
1.965719847	0.8181481813
3.7507509733	7.8054614249
0.3022807494	0.3145291097
54.1301347932	31.1945416019
101.7261111655	76.9803887034
45.520176809	24.7753532898
1.070026106	0
10.0503437091	2.3239070637
8.7193261344	6.7262613768
14.6722212036	17.1750790197
27.9038646148	2.0738945767
12.1791716456	3.6207626969
0	0.2037499346
4.840135514	13.4300184378
4.5321149237	8.252571926
0.782301501	0.9302859587
0	0
1.4245671546	2.964580707
1.8341218495	1.0178347356
13.5880300941	7.0693072863
5.199667151	2.8855235771
4.2460004012	6.225430647
352.669157741	258.0812287322
43.0121119206	16.2745290106
1.0785162881	0.6733305418
2.5569589494	4.2978381203
0	0
1.9280365041	1.1800942285
115.3218682715	156.5930693392
8.5110248083	0
3.929091459	4.0882975217
36.3418372938	23.1516746034
2.1101090946	0.5489025817
0	0
1.485847179	0.8433018727
23.4053182227	4.0589495682
13.6455161307	14.1984299328
0	0
0	0
0.2750567223	0
0	0
0.0685720552	0.0713505823
16.5834336016	9.9126715858
1048.205633881	770.6592246865
1395.3840499119	1592.4336020309
458.8688363811	254.6464624939
194.024940713	123.375263978
0.8213930548	1.5384163504

gene_expression_table

5.9287795373	5.1875787714
0	0
5.7369135825	2.387748906
78.7077940405	33.5033261054
0.2120056958	0.2836235926
0	0
0.1722233179	0
1.9760825658	2.9373615252
0	0
1.5665781129	0.9314603256
0.4656993789	0.969138864
0	0
0	0
0.1857647765	0.3865838622
22.2741572224	10.9784377769
0	3.9525490211
0	0
1.309511903	0.8175438505
0	0
6.2155992242	6.4674541608
0.2461425133	1.0244646503
0.1566927427	0
0.1250044	0
4.5353453522	5.1685563979
13.3790693912	21.876150718
3.2254895398	5.1329900199
3.5561075127	2.3126252091
55.6042261414	46.2858393205
0.2876304047	0
5.2996383388	4.7266103219
6.4486442901	4.0259653019
12.4995268463	3.9583494615
62.1078128859	29.9478973324
0	0.3480962103
31.9295926704	29.0704521527
11.7449293099	10.6932277234
2.4710105361	2.0949992378
2.4053270077	1.0011161661
0.3884971809	0.8084780303
0.1713066297	2.1899032972
28.6022187171	23.0800951735
0	0.0996038357
3.2854426684	2.1366051254
9.5902797968	6.9084527324
0.8276701443	0.5741381241
9.6903563538	7.5622558573
1.1476098838	1.044846972
3.1867516397	22.1058548642
4.6624009441	5.8088180536

gene_expression_table

0.29017215	0.5032164535
1.0118699003	0.5264353412
0	0
0.1477062339	0
0	0
0.3503588804	0
2.7896941262	1.6327867605
10.5649409084	5.2575362637
1.5449328927	1.7473187926
0	0
3.1240521163	2.7862612569
1.1842372495	0
0	1.3336280999
0.2499862977	0
3.5598673333	1.2347041675
0.4834659136	0.5030558634
10.5561593849	14.2790609264
0	0
1644.0089553363	3669.216381163
3.5776270018	13.9597192106
6.3552368715	9.6185453088
0	1.1345335471
17.107211082	8.5932927507
6.9841394725	5.2546979903
0.6369426976	0.1325502997
3.1001574905	1.9354651809
0.5617537864	0.6680182245
0	0
0.450739762	0.6395504375
0	0
31.7877897133	12.1503030986
3.4921598019	0
3.0903903479	5.5379991265
0.3349504059	0.6970450694
0	0
7.4759259677	4.6673094672
2.6835083051	1.3961217839
0	0
18.0715888493	16.1175825457
0.1539809339	0.3204404261
0.1365339793	0
0.9884829287	1.0285360751
0.2417610123	0
0.3730460003	0.3881617555
1.770338167	2.6607705854
1.472396764	1.0417994467
46.5687878282	32.1160180556
2.9339855558	1.1741808117
0.4874396447	0.7607859142

gene_expression_table

0	0
0.304141462	0.2813024161
4.311158333	3.6702373706
0.0857845197	0
1.7075871128	1.7767782283
0	0
0	0
25.9351775348	13.4930330776
8.4069411266	2.1114869599
0.8385541476	0.2908440691
4.5334359063	1.3477513985
3.1533348928	0.4101384303
2.3334621436	1.7342954287
7.095506998	4.9220104238
113.829143269	74.4489297853
45.2780507392	65.9577926304
2.5039446922	0
13.7024700134	4.9591970701
8.1478037314	26.6449896081
26.3343808558	8.5835852187
4.6223400951	6.3399753402
0.1330005313	0.0988497774
2.9887295295	3.5047316396
0.8674953969	2.0309538391
0.3425755283	0
4.2924319425	4.872393267
0	0
0	0
0	0.2261559964
13.4256488013	11.350343566
0	0.3384967117
0	0
233.1273568078	133.8337293233
0.319186864	1.3284810278
36.9744946368	34.0577950022
0.7732538286	0.6034394486
11.1492671171	8.3527440254
0	0
16.5937864192	16.1150860181
3.5997098073	3.1837339782
477.4655761012	5.4001347105
0	0
0	0
28.5352509839	0
0	0
0	0
14.8393469052	0
0.6487159716	0.1928576638
5.0889884323	6.7393369361

gene_expression_table

0.5181452203	1.6174211077
0	0
0	0
10.3953657216	5.3022470723
3.3415310394	3.4769292621
19.2121127214	11.9943503957
4.4647795095	4.2233559577
0.3279687979	0.1706290166
68.8334844055	7.1622604525
0	0
3.9376404465	2.0485964563
6.3440407169	4.7150714851
0	0
0.2804022577	0.583528211
26.1149250924	16.9831856567
0.3061036089	0
0	0
3.6851840591	2.3007042234
79.6878944971	135.7913357196
2.592297826	21.5786980545
0	0.1732562554
1.8715142337	1.7850686755
6.421028338	2.2906996198
1.4031261093	0.71218562
1.666601509	0.9909325117
14.4454849363	5.7260241246
5.4630951995	5.8874751977
2.5211761646	1.3116668794
11.9533664221	0.8291809753
0	0
145.0285540504	80.4827116629
550.2663016663	237.6249567113
21.1727546393	15.2520028342
4.2992625607	7.1575486214
1.1810409748	2.150568941
3.2491303656	4.4372796957
0.8487616672	1.7663066676
2.6407114064	2.1589170009
8.5914692771	9.7909839387
5.3950343004	24.5596754255
4.8893763746	1.3014516991
1.1710060133	0.8123033076
1.0299285083	1.4288813626
178.3847319792	80.8314017605
6.503760908	5.4138336824
3.3214346409	0.740575406
0	0
0.3368227567	0.408882545
0.1263569517	0.0657384561

gene_expression_table

0	0
1.5831832201	0
3.5585107195	4.3759192678
4.957567156	1.4329019069
0	3.6279595262
4.8671714284	15.8262134966
6.7582537499	3.516048474
0	0
184.6372642893	13.403632483
0.9504562232	0.2472421336
4.8972079711	10.1912838735
0.5165551773	0
1.008609755	2.4487830187
241.9433603249	67.5418406905
295.052878445	110.523012039
0.1425773785	0.4450637629
0.0864693358	0.0899730574
15.9852149396	0
0	0.2464970155
1.4689165059	0.7994899831
0	0
1.3939428335	0.6216107745
0	0
1.001241504	0.5609754907
0.1723742945	0.5380766075
0	0.0740993152
2.7395942551	2.7555820398
0.7080203542	0.4604432554
19.1620389895	8.6400085558
6.9463686911	7.7441081486
25.2621322505	21.4180178665
2.8813186401	0.9993563803
0.6008829241	0.9378458843
12.3372841566	8.55812576
2.9711618529	1.7175293246
6088.5598370746	2055.7139521442
0	0
2.5713621343	1.9263983434
0.0586098124	0
5.469120496	3.6714375819
7.1846218008	2.0932075791
1.9301268531	5.7572276821
53.2293433822	32.8128248221
22.3779593112	9.4594134797
0.3711709658	0
3.9317179603	1.461082303
2.2469105494	3.8965915855
5.5786162996	4.8684251916
0	0

gene_expression_table

0.2488570298	0.3884110063
4.2854242863	4.6242195892
0	0
5.108310698	5.9797108207
0.9574184723	0.6226330579
0	0
0.4282571406	0.6365857731
17.8464158938	23.7277575426
0	0
2.3449670596	2.4399846933
0.1823199083	0.1897074774
0	0
21.9936473203	20.9777570399
0	0
1922.1266876083	3254.1662184747
55.1039235846	58.3426318724
2.4978536249	1.1370914599
2.0746289337	2.023774234
20.2063023471	7.0083526664
16.5833282661	13.8042253402
97.5170865872	54.4923216415
0	0
0	0
0	0
3.0517727503	0.7938575051
5.2348643309	4.6089831362
8.1069208866	16.8708236578
0.3200645313	1.7761785984
0.3412671447	0.8877380664
21.0034054457	12.6083420588
1.2541634797	2.0214426331
0.2144072175	0.7808323548
0	0
0	0
0	0.2375156846
4.336348315	6.4457947866
3.4519819248	4.6394801462
0	0
0	0
0.4018661757	1.2544491576
68.5101977029	138.2520597419
0.6186458346	0.5149705999
112.0383661058	88.5993864605
19.5404863959	25.7143330075
36.0269564148	34.1791065822
151.293976912	94.9176414918
0	0.7507721058
0	0
0.3959707303	0.7416277046

gene_expression_table

0	0
0.9319196161	0
2.1955253878	2.8556095905
0.3783765599	0.2624722056
0	9.9511234178
0.3422940654	1.0684912738
0	0
0	0
0	0
5.1027383154	9.6234693531
4.5372975862	12.2749849282
0.6917636602	0.7197937964
5.8192657535	2.5617567169
1.54038341	1.8165060572
51.0322663438	51.3300815708
5.3345373322	4.4934171739
1.5260470668	1.9054586557
7.8875245423	4.5595142139
5.3190509335	1.1069155797
0.5521548847	5.1707528909
2.649555195	3.4824185481
0	2.4463646382
139.8057916031	101.5550145709
5.0377186084	2.3297093508
1.469216361	3.0574974751
7.1220864445	3.4203101891
37.9120236067	36.9094655199
0.2284442137	0.3565510968
1.1972545854	2.9067899487
0.4250194235	0
0.5625176903	4.6824864285
0	0
21.9818900942	30.0955160987
0.3845474545	0.0631783021
8.9829128309	4.4509041931
0.2419786632	0.7553507822
15.8973501745	8.2707539388
0	0
0	0.1794085107
0.3803976391	0.9235596567
45.4666554174	32.4561441823
3.5938293238	4.4873407519
0	0
2.0498655007	0.4265851347
0	0
27.814874316	19.2946186026
0	0.4522850261
6.4320746594	1.9122003259
2.0571447268	1.7837498771

gene_expression_table

0.1467314706	0
0	0
0	0
0.1996526664	0.0923300247
3106.5676153784	5502.3248187758
0	0
0.3652472099	0.7600939192
1.6289311857	1.129956785
0.6166131346	1.9247945558
0	0
1.3889680875	0.9197037938
0.7338318101	1.2726108999
4.2578682216	7.3839937638
1.0703447465	1.2149617294
1.2546744899	0.6527568346
0	0
0	0
17.2723576597	7.8628508057
0	1.7722641614
0	0
0.4431481605	0
3.9881743627	0
1.1192173394	0
0	0
0	0
0.6207590313	0.3229560365
0	0
61.9962298161	35.4795681008
5.0067039664	3.3151838934
24.5170462425	14.5774128251
2.7563391095	1.2469675926
0	0
0.1952133938	0
0	0
5.8195295457	4.5415018588
23.0571934619	16.660740762
0.0193829932	0
0	49.1910143417
0	0
8.1431903123	6.1194978614
0.7211671632	0.3001554896
23.6544876857	58.1760947728
0	0.1449746046
0	0
0.3251087444	0
1.0770455049	0.8405153929
2.0141254903	3.8920838997
0.5654027553	0.1961042569
0.607752975	0.3952368836

gene_expression_table

1.623168747	0.6755756983
12.2847726355	12.7825493616
0	0
0	0
1.5031035148	1.1171492804
792.776031244	796.6491985396
42.9825476813	31.5700183076
0.3392938395	0.3530419634
0	0
0	1.0929843608
2.3017838951	4.7901035099
0	0
0	0
124.574791977	59.1755072177
1.5691110104	5.2246115191
17.0481704088	16.2607125413
0.1432822604	0
0	0
13.9951616174	6.9645509954
0.3001262772	0
0	6.4031877974
0	0
74.4952461984	31.0055119454
33.8757011273	51.6975628432
30.6318670761	6.1975403568
1.840441751	3.19169352
0.5867812174	0.3052787422
0	0
0.7675023465	0.5989510503
14.5375181321	3.9806778135
0.3674903869	1.9119051487
16.6363048563	8.6552024336
11.5010738483	8.5479251742
2.3058332876	5.484034807
0.2086529136	0
1.0013872893	2.6049082948
56.1727637345	24.3536974093
2.5205455002	11.8020489298
0.3736286842	0.3887680498
0	0
9.8723854115	15.0135261827
0.3896872737	0.4054773304
0	0
0	0
0	0
66.2533818073	30.9833513007
2.4829898792	5.1672003443
20.7440018313	28.655344181
42.2822466947	20.3979208453

gene_expression_table

2.2365904019	4.1372740148
15.6474991311	8.4422763268
1.2709173921	2.6448294618
2.603638243	4.0637057782
12.1995509331	0
0	0.2548850883
13.1758505059	3.5764522287
18.8691299203	4.5811975047
0	0
0	0.4083804182
62.8115935588	27.2848391658
11.1923344708	3.8819486012
246.0322821049	68.2670573049
119.2761820266	67.3735825263
0	0
4.1931554982	1.0266026793
73.2120906927	70.924932434
26.3726532743	3.5572014503
1.379480691	2.8707539895
0.7733525106	2.414065836
0	0
11.8080884727	8.7761071745
8.8472556063	3.2490863912
0	0
5.4631271809	2.1316845333
202.0929732546	105.1408716678
6.723464324	10.1940225974
1.2209680976	0.8469610001
0	0
1.7824231046	1.8546465608
10.96808711	9.0877410219
0	0
0.2271277013	0.2835970488
1.4533492172	3.5285568734
4.7818896536	2.798803655
0.0998004933	0.5192219547
0	0.0394444793
18.6888193168	10.9384238452
2.6613166914	3.1303465914
0.2429505642	0.5687884718
11.9383773338	11.2665723083
0	0.0157209946
0.0604100174	0.1100011853
0	0
0	0
2.7841383381	1.1851163637
8.7047855698	4.5287509395
0.1060211851	0.220634288
13.1008259874	10.13636929

gene_expression_table

1.1626185373	1.6129701686
12.1681035737	6.5224120953
57.1604861621	27.8197086724
0	0
50.4876874613	36.7101141851
0.2260242424	0
0	0
11.8300425281	9.0268886943
0.6558536965	1.3648575352
0	0
0.2716402584	0
22.3986378691	36.6240702976
65.2005293347	27.8327970392
23.7863257819	12.3750716623
0	0
0	0
0	0
0	0
1.5614071822	1.9496101367
9.8017370304	5.949359273
5.0304642414	3.4895318177
0	0
1.0163812256	1.4805907281
2.2917431461	3.5769062348
4.8136277064	6.5112775197
3.3403077458	1.9550567255
0.3124110683	0.6501398146
0	0
1.0987478511	0.5081195164
1.9689714276	2.2536291662
0	0
0	0
3.5512946162	4.5479291328
1.1014267399	2.2921126973
6.0103617499	3.5736574296
1970.4463155384	3513.528476369
4.7058486621	0
0	0
0	0
1.6590521745	1.2330547595
3.847745688	7.0063973614
1.5942534685	1.5080475688
0	0
0	0
592.3431246887	1821.6411768361
6.6085207318	3.7507073321
0.1876706035	0
40.9527911828	51.9336074694
4.5363768547	3.4328654617

gene_expression_table

1.7399422171	1.2069629037
9.0937621342	13.3584560502
4.6922898708	8.7546852008
93.5644466251	134.1929378343
0	0.039304286
13.0888533425	13.987298062
0.2767835931	0.5759976267
22.7068900049	12.9948329548
0.403125091	0.1048649114
0	0
2.3647774336	1.23029889
0	0
3.5302875447	3.2494878986
0.5468293891	0.2438514923
1.4891726531	1.3558244481
0	0
0	0
6.4780993118	1.6851476759
6.3640918229	3.8260234435
0	0
0.7706167202	1.0023024599
0	0
0.4038871699	0.8405052074
1.3910571608	1.7369070491
0.411065283	2.1386078633
6.7876733668	3.5313543212
0	0
9.7213451081	10.4969598537
0	0
37.2279553859	14.0859728314
0.2404641524	0.0625519289
0.1316438503	0.1598077074
3.8734209267	4.1983033644
0.5404497073	0.7497981733
1.4033926965	0.7301289551
2.6450579675	1.334417081
80.4039209598	14.5498909632
1.0128079732	0.3242605433
3.7021902218	1.4980786676
51.8842936745	37.1158120471
0.7720662411	0.7230152008
0	0
0	0
0	0
9.8603131481	8.8918710592
1.0671909304	1.5268458019
0.05000191	0.0520279782
3.1410443756	3.7352216178
3.4269529026	4.9921373648

gene_expression_table

0.4805105555	2.9998845285
3.6222112537	5.0253101161
1.4645293506	1.2190974483
3.4235479665	2.1049774318
2.2655146796	1.5715419449
13.1120633471	11.0027110811
0.0872113984	0.0604967922
6.581819638	7.0499406336
5.3866781299	6.5391028924
56.3594063576	46.2971677344
7.2071734345	14.1651683538
44.3028564377	43.3041818431
0.3908571764	0
3.8895055606	2.023553805
40.0941496764	47.407678684
240.2786150005	210.5386612689
6.225644913	8.0021202871
0	1.1995318429
3.559939759	6.3500363362
1.8663441118	2.9129520476
5.3425454768	3.7060162908
0	9.8858794501
2.7979493913	0
3.5614432573	0.6176253804
2.3540876642	5.8175027997
7.8654241806	3.507484166
0	0
4.7518068362	0
0.9509114076	2.1202332062
8.6334127229	4.1274332242
0	0
5.4530174514	7.5652969533
0.854879143	1.7790373771
14.995026673	7.801311197
0	0
14.6695304354	7.6319685543
412.0428407104	587.7092851131
2.4677308714	20.541782977
17.9524377682	1.966301815
0.105526834	0.054901381
2.3774287145	0
15.9948533559	18.1365610121
2.5266874463	3.0046495504
217.6670137745	197.7985079035
0.3685999176	0
0	0
26.5153698214	20.1876349217
2.4387879667	3.0209609598
2.203703112	2.4840798195

gene_expression_table

0	0
1.5397737705	2.0027064003
0	0.0684723395
2.077074403	1.0806185378
0.8442895215	0.8784999775
0	0
10.0417881798	7.9608987342
14.2852918536	6.6062796668
0	0
1.227322623	1.6419259411
0	0
52.4234291783	48.6450762475
0.9687719173	1.0673220463
4.4351303707	7.3549029028
2.2290992236	0.8283649693
18.6556163774	38.2521494353
0.2368053796	0.369601035
0.8979610995	3.9709718514
0	0
1.1451749983	0
0.181152563	0.376985663
1.9557213493	1.7955589574
2.7676290761	0.7199432242
0.3053072674	0
198.7742799791	156.1766807574
2155.4581090666	2828.6020288326
0.5250625924	0.3902414514
0	0
10.5794104437	20.9677832528
25.937099727	19.4913811691
0	0
0.3493686799	0.259660739
0.9888857651	1.0289552343
6035.4771074484	8345.0283026313
0.2538398564	1.0565016028
26.4108776174	18.320694345
0.2275611378	0.5919546831
0	0
2452.0748816874	2650.5172620469
1.8795756896	0.6984770538
12.8386645413	12.5730681087
0.8384803117	0.8724553796
0.4482981351	0.2798778558
43.5556298752	44.2665309585
5.0297556968	2.0934241888
2.0508241127	0.4267846256
7.1465598919	17.3509867612
0	0
2.9554999689	1.5376281418

gene_expression_table

1.0739004982	1.1174147487
0.0712536358	0
1.1866968851	2.0579693741
0.4590115534	0.6268639349
0	0
4.5726055511	6.0900949586
0.666650128	0.6936626685
0	0
0	0
0	0
75.7061550756	71.0885101996
0	0
1.2953261319	0
0	0.9235842529
1.5086278931	2.0603063481
0.7615659709	0.3962122419
0	0
0.355435354	0.5547562938
0	0
10.3991179873	10.0475963103
5.4185701019	3.5238309782
0	0
1.2959221241	3.3710816252
3.9780125916	3.9592356719
1.0654425276	0
0.4824668688	0.7530245063
1.9519281493	1.0155099593
6.8043226076	6.2470875065
2.5048228731	2.6063178349
0	0
0.50975094	0.3978044657
0.073940445	0.1538729964
3.3211383443	6.9114205174
2.0338450274	1.5390953117
0	0
9.2491970184	5.1327854823
11.3036250278	4.0713389423
6.0360712012	23.0290562161
4.5761679249	5.531851164
1.3203855934	3.8718644195
1.2011811421	2.1247497275
27.1716575278	13.592619274
0	0
9.1591844604	7.6242503432
0.0357048297	0
1.2252621708	2.1248492807
0.0378315	0.7479240821
1.1949152335	0
2.3942989284	2.7681283114

gene_expression_table

1.1269754903	5.8632016486
2.7760430742	2.8885278287
0	0
2.446357395	0
33.4011140101	20.0506851936
21.9656237802	45.711333626
8.0476368744	13.158711719
0	0
705.2999270644	1350.6488212933
1.0901307533	2.1425716737
0.3805511047	0.3959709654
38.8820497207	61.9823085529
0.747161046	1.0689743268
6.6175004069	7.711917142
3.1515020276	5.786824076
0	0
1.0258918108	0.6099775761
0	0
0	0
8.3961036752	18.9286765435
0	0
0	0
1.2703603121	2.6436701563
1.9054859967	0.9913479693
0	0
6.9599230131	2.6334319319
0	0
18.2102505699	7.7515063247
1.0118821885	1.1581718154
0	0
12.4491989031	25.9072763028
0.1392766176	0.0724600403
1.8883740854	1.4736679918
11.236495097	7.1949512678
0	0
1035.6988359075	846.1243713176
6.7598937225	11.5555341111
1.6577617841	1.8576212162
2.0381534916	6.6970708293
0.5367362334	0
0	0
1.337903103	0.6960573452
1.2865426214	2.0080096374
9.0755835827	16.9979842064
1.5201793952	3.558997765
0	0
0.6826111733	0.7102704524
0	0
12.1639318063	6.3284060421

gene_expression_table

0	0
1224.6743064273	961.5867467628
0	0
2.0763723021	0.5892290524
3.9360294909	2.9253690582
7.5393997472	2.6149649458
27.7553868302	35.4436731772
12.2740187457	15.0457114583
0	0
99.2948771338	83.1586214692
39.1410616455	15.7090051001
0.6873317164	0.2383940903
24.6788412464	23.1937759305
19.9003899864	11.0436000672
3.1029072621	1.4675620424
6.8351356829	3.2825049797
1.6767286203	4.3616733884
39.8058130909	90.1466635593
16.111056698	8.1424529644
7.6522036848	4.644657249
13.7555803623	11.8237445648
114.7144172916	95.8518044159
1.1413579226	1.1876055355
17.8339865498	5.3018904007
0	0
53.1683422243	22.2349662579
0	0
0	0
0	0
3.3402658999	3.1280515734
0	0.0992677884
0	0
1061.5459597555	806.5038397882
0	0.8429670664
1.874953485	1.6257718793
0.7305632721	1.064231786
0	0
5.9969209347	7.1313315054
22.2491142518	36.655186755
9.7279264718	12.1465203144
0	0.7816016478
0.6277744467	3.5926646345
20.4976464632	28.437609767
0.9868643746	1.0268519374
30.5052578509	9.0689500813
22.3938219934	11.6506077695
62.6488217089	32.593670217
2.2017741787	2.5773633711
0.5297555506	0.826831722

gene_expression_table

32.7963758848	30.2337998153
10.1580541349	11.1914011258
41.2822458064	46.950808279
7.0943323008	14.7635866798
0	1.9404467945
0	3.5480338073
0	0
29.8278432424	59.6855037706
23.0389414357	15.7238815187
16.3972207802	7.5829480659
0	0
0	0
81.8434550319	121.1888561677
5.8044537007	36.2378945777
0.4849854944	1.0092740348
10.9008863498	11.9395665878
21.7980203722	3.7802120243
5.6738521258	7.6623210585
0	0
78.4010868642	135.9631407902
18.6845993735	10.8009421673
0	2.7362841337
73.4122756589	38.1934637785
0.6550158825	0.3407785028
16.8840796095	0
419.53767274	436.5372620232
30.6459499737	35.4307980291
17.8785393998	29.7647592412
59.7083001597	37.2766016957
13.0893296703	9.7283620711
2.1113121214	28.5592073002
115.9825702754	120.6821626763
0	0
0	6.2508408635
0	0
0	0
0	0
0	0
0	0
0	0
239.6215063011	302.2193037986
0	0
0	0
0.2242139076	0
0	0.1248404026
5.4462050611	3.1667882785
43.7965481592	21.7005601094
16.1322232087	8.392948962
0	1.4269118298
2.8898461094	2.4055537135

gene_expression_table

14.5996487539	14.2417723447
2.1533255685	7.8420227347
7.1355812074	3.5169696211
52.4678191982	43.3950762266
17.8738041404	23.9117752215
0	0
0	0
0.7267036565	0.4158822552
4.441577313	3.8512910068
34.5077453758	26.2389947876
0	0
0	0.2370902504
0	0
0	0
16.9603171755	15.6590902066
2.7231623602	4.6550429392
15.2708023282	14.2736837064
0.2794922653	0.2908172405
0	0
0.5610027462	0
0	0
1.6975233345	0.8831533338
0	0
32.6436563655	254.7477848499
27.2594109726	45.3823316609
18.5924841632	31.2509855531
1.1133475798	0
12.5750127766	10.5922547456
0	0
0.7835398436	0.4076443669
0.1919043112	0.3993604771
8.7471585199	4.5507958866
4.1428431509	0
2.220337775	1.6502181807
232.7084340746	329.5843809847
0	0
0	0
0	0
7.8109147291	3.2509646225
14.7474217474	147.3118517985
2791.3630324664	4330.2985636498
21.6276786648	7.1821366671
0	0
37.1472660608	42.0135504833
4.3027592498	7.5766413677
33.6998717383	17.5326921693
0	0
0	0
5.1970365976	8.4118526552

gene_expression_table

65.5776270053	46.0964119913
9.2920886062	2.8200090119
0	0
21.1394167469	107.9802753842
0	0
1.1494800189	0.2392113475
0	0.667969974
28.427080965	28.4834247183
19.0148180906	10.9918305666
0	0
2.3900202021	0.7105323945
7.2078661655	4.6874547349
1.0856408192	0.3765435951
32.0111949833	18.3769835654
13.2136112007	9.7656621158
1.9798724694	0
9.7293377379	32.2113549939
4.5925121955	3.0719571071
21.1695937289	19.5798949072
0	7.8354417331
0.0160367016	0
0	0
0.7119792606	0
18.6363079564	7.7565790899
1.672647453	1.74042282
0	0
21.532613604	29.2989914961
4.8970280854	6.1145457145
4.9925905879	6.3755461304
0.2063225096	0.042936532
7.9136606395	3.6231011133
15.2419999158	1.5104383759
10.1174480052	10.048886721
9.7426098742	4.9150926706
2.8072309318	1.5728350683
0	0
6.5369478089	11.619782207
0	0
15.2179319213	20.782859635
175.3408503811	237.4292436967
0	0.0473388241
0	0
87.2842971271	221.2307403663
60.9865931366	63.4577586659
5.301284102	6.6193093897
13.2989334235	19.1600359729
0	0
21.3069693486	11.0851619125
3.4736704412	7.2288458563

gene_expression_table

0	0
29.1600710929	5.7403087202
1.2326540718	0.8550673253
1.149123333	0
9.7169601018	8.7161116696
0	0
2.8939110141	1.5055858779
0	0
775.9643100955	729.7997262653
0	0
1.6053962639	2.0283994732
3.8735511238	1.8967090364
0	1.1264020109
1.5731272642	0.7015157535
0.6442013319	0.2681217005
48.3944234687	17.9347845427
0	11.1474333368
2.6727258869	1.4636969726
26.9201150009	10.7734281177
11.0797438996	13.2240891248
0.2009233973	1.0453238821
10.8613068018	5.2160330559
0	0
30.1985863629	15.7111137621
0.9173503564	0.477260612
0	0
10.4062205169	7.4441665766
1.8867349646	4.9079627952
0	0
11.2755411649	8.2817110713
0	0
1.5482785553	1.7721159692
11.5982570275	15.359547977
0	0
176.9631513629	52.1133016092
757.4812079352	806.0872572264
13.1054281836	2.8708332045
1.8893477053	3.0892772847
10.9386831555	22.7638331674
0	0
0	0
24.2715877114	2.971184468
0	0.739543612
0.9005450729	0
0.8499738128	1.1792194604
0.8544481238	1.778140409
0	0
1.4956101273	0.8299797196
91.3128031484	47.5063905629

gene_expression_table

541.9377747829	178.9288537616
53.9783428505	35.7417043251
134.4777935457	91.2937107431
7.8127456983	8.1293167161
0	0
15.6811541904	9.3237438126
30.5697442361	7.4219657508
24.7662442126	6.4424419675
10.5219008553	1.4597661788
4.6902861172	4.8803356475
69.7263036593	48.3677337669
34.7782676339	54.2812149562
0.9578174311	1.4949420256
1749.4394016943	1571.0885246594
16.2899184502	5.0849948843
0.1866720425	0.3884719185
0	0
2.7714263387	0
300.0959343131	254.4306244241
469.2140596106	67.5206898969
0.6844053791	3.5606867952
0.3305154021	0.6878156508
2.0497646463	6.3984621976
0	0
0.8687616815	0
0	0.9292763769
0	0
0.707235351	1.4717847944
4.7632317534	2.9154335455
198.1280007168	75.730816227
42.1243628868	48.4106170079
4.8752081704	5.0727507082
0	0
190.5847331637	79.6935442373
58.3689094626	30.0934268578
0	0
12.0109063242	6.0594356547
4.1536855869	3.4575937299
3.4196627603	2.3721512439
6.3459208928	4.9522923296
63.0429963597	20.714995885
7.5116459656	5.8620123582
0	0.6532240556
0	0
0	0
2.759722874	25.8439170322
10.6262308781	16.5852056963
1492.3866756139	2596.3784239063
11.762130558	17.1342218927

gene_expression_table

0	0
4.7774493966	5.2634443414
0	0
1.1216332957	0.7502667881
0	0
226.8932702795	80.370023432
0.6163781248	0.5019289458
0.3123575298	0
17.9672092448	8.4978351166
406.4115062949	387.1932151196
0	0
6.2473978078	7.945105932
16.6139141365	9.5079087837
5.5223776173	0.6760168638
1.914204586	1.4938258526
77.2303188317	40.1798385682
15.1496241587	5.1472601278
18.2797887045	7.2277833038
0	0
0	0
17.5813272075	29.6184027574
2.0470293226	1.9363405218
14.2703405491	6.5993653874
2.5367756461	1.5083230448
0.5874799416	0.3056422604
0.2511807457	1.0454341732
3.9242294405	4.4435242447
35.2229232585	37.1891224147
0	0.5499820019
15.943017416	1.8432250608
12.2483065457	18.3203706544
16.9097783608	20.5274527124
2.9496003613	6.4792483196
21.6600865315	8.8964799676
2.2180017624	3.0771663807
0	0
0.3083579108	0
0	0
9.6897374099	0.916578526
77.0851235342	97.0946193001
77.6645179907	53.3932926558
0.4372071197	0.2274613359
0	0.198217087
5.5913926233	1.5514546196
1.2558027773	0.8711251164
4.0467670167	3.4451519493
0.252088866	0
0.5114848799	0.1064420306
0	0

gene_expression_table

0.2323197571	0.0604333277
0	0
6.1372157775	13.8361050344
6.3462649334	5.8697017071
2.1824384612	0.9350643095
1.6283153699	3.8121624203
73.8747421645	34.3883753433
0.9249368138	1.3473811166
8.9226770879	2.475792619
16.1026875307	5.2911048839
4.10475639	3.3917402886
2.495089892	1.854421768
6.8390916175	32.4182915993
0.8775453699	2.7393100404
0.3243687087	0.8625308433
0	0
1.4575865105	12.1331811811
9.4396350967	5.0999507516
4.9643154942	7.7482029665
1.2169794627	8.3575222272
64.7608933715	65.6681777471
1.329845268	2.61371289
5.7851221036	2.8216566499
0.1910123571	0.2732841961
58.0647615839	163.4827418632
2.8624703181	5.212299905
0	0
5.5234312376	4.9262054183
0	0.3269168382
29.5628642444	16.4057312333
11.391593294	12.3090700407
29.0197415317	6.470489168
70.1258455551	52.7848784032
0	0.0728539904
0.0488549986	0.1016691882
0	0
2.5462525802	2.6494262662
0	0
0	0
0	0
0	0
0	0
0	0
0	0
318.7216011531	284.2595500893
6708.5643389954	1022.6055096802
0	0
0	0
0	0
1.2468826468	6.4870305108

gene_expression_table	
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6.6392775198	0
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0	0
128.6840662129	0
0	0
0	0
0	0
1.73310622	1.6029612134
1.3905696407	1.4469152666
2.5677329083	10.6871078924
0	2.6792077496
4.4514869576	3.7054883119
62.0510554324	42.3710127606
289.5391489791	111.5819340762
0	0
0	0
0	0
25.290640377	30.3639374658
45.0394231745	0
0	0
0	0
0.7447194251	1.5497906382
36.7871668313	0
0	0
0	0
37.9603338829	0
0	0
0	0
894.4269630421	195.930311361
0	0
0	0
0	0
0	0
34.8631518297	0
68.4377272056	35.605405658
0	0
0	0
0	0
1.415792581	0.7365801179
2.6309735672	2.7375801319
10.2815891144	11.670760596
7.5868821191	3.9471505931
5.6759491058	3.9372916793
0	0
2.9718388898	1.5461286273
3.010085631	0.7830134367
0.4979557334	1.5543984243
0.8650187685	0.9000691698

gene_expression_table

0	0
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0	0
0.5391674186	0.5610143832
0	0
1.9586961183	4.076124249
0	0
790.530900463	1101.8283058659
104.4374635464	188.9900006043
81.5245961922	59.8785584649
0	3.3474580223
0	0
9.7547679832	2.9853027607
0	0
0.9496573156	1.9762745105
105.9597990291	40.0920983941
215.2509099216	379.3088371504
33.9087037218	26.7293016331
22.9482288834	19.5366165497
51.3011106069	28.4118408307
18.3046864835	12.380152857
166.8568341567	193.5739162019
0	0.8677726231
24.3002720627	2.8094349571
8.3594615373	7.8283668422
101.3749074668	22.6034142984
64.2085434112	97.6457672061
18.3308619234	18.119943821
1635.846328503	1884.6201476261
16.5072177652	32.062029423
875.137312718	89.7772395622
0	0
33.8711109239	38.1805256133
24.4827422741	8.4915928283
0	0
4.2188826771	5.4872887834
58.5544152304	27.4171632114
0	0
1770.7352912771	2257.0443202338
3219.5192405909	4781.2792726854
1.072919558	1.116394061
6.1553508648	9.6071468234
28.5515475293	15.5615695611
0	0
0	1.4475192049
0	0
90.2414435446	6.2598673485
44.6054244501	37.1302624314
189.1622789498	139.6837481581

gene_expression_table

0	0
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18.2851039085	26.160767811
0	8.9673328161
33.6658314638	35.0299647585
75.8230447508	30.87210544
87.4781447484	107.5723327229
4.5161481232	0
28.4309300565	13.7349392652
0	0
0	7.0803726237
0	0
0	0
46.4482128124	48.3302858467
232.4831015153	110.6578806596
1.4662431547	7.6282752872
17.9672092448	37.3904745131
1.2627556698	1.3139222971
31.6679623254	12.2389957227
114.6526335789	75.9171236661
3.0633431203	0
89.1888124617	35.6933564336
19.8387935412	20.6426578041
401.845966452	675.4386547773
326.3356299066	272.5405271534
1.0510619095	1.0936507446
11.1412913753	15.4569792683
3.4797633273	1.0862288091
0	0
66.6488250376	71.8261882742
15.2160213427	9.4995430362
20.1587740821	20.9756038977
19.1386983003	7.2415253938
0.8080191318	0
0	0
4.9670898881	0
0	0
11.5610328506	16.0393116986
21.0411446649	43.7874559481
0	0
16.2899184502	16.9499829477
4.5271900501	0
28.5986242447	35.0087473359
172.9409150537	323.9072083832
73.9783048871	8.1027254932
24.4438380265	31.7928723056
3.5024351775	40.087885269
0	0

gene_expression_table

12.8065987124	619.6366676874
0	36.0856697238
7.5282736604	84.5998335737
0	0.9940284657
0	2.3996446935
0	0
0	0
47.0778739085	12.2463651736
371.2896748068	349.3448132764
76.0679519552	73.2139455154
46.8517633444	30.4688676075
0	2.6916846562
0	11.5368147408
54.4848696973	25.6466463143
0	7.4878980807
0	5.0366226288
0	0
26.9762631721	28.0693363908
87.6597854144	96.0123618796
0	0
11.8637303568	28.8037085639
4.6089941665	4.7957497618
3272.7291918465	6031.7566519061
32.7735828869	25.9821428064
99.6387837045	64.797580551
30.1621476463	15.6921561588
121.3495823792	135.7071419543
14.1305143368	14.703080177
85.9577239774	73.8858081528
54.3516965754	72.3149729629
0	12.1619025463
934.8193957117	1330.0157770063
0	0.5157594454
11.237077933	0
21.5082428686	4.4759505822
2.4362783063	1.843633349
37.7957403466	18.5069255478
5.7807949266	9.7744264687
0	0
1146.6620745228	726.1698324217
91.5972145909	82.6008879519
4.4233737246	4.9313657291
0.5997389577	0.8736563779
1625.7195851119	2255.4579246476
0	0
6.539843779	5.3805688265
204.7783842974	139.6371626691
2.7287680653	2.6365274418
69.6111543333	72.4317854949

gene_expression_table

11.8956346336	15.700500891
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3.1946352464	4.2738187868
11.1310589126	32.5746207312
0.583807363	1.4174139698
27.0822100345	27.0054271923
6103.1161247497	7726.8216469254
2.1284809147	0
0	0
3.9780237502	4.1392125404
0	0
0	0
0	0
12.6666511679	4.7211587613
0	0
9.4397112664	6.1843523223
2.3737036642	2.4698856998
5.0894123027	1.4442639143
1.3997384885	1.6991982401
0.4962652345	1.5491214314
0	0
22.3907668385	11.4698026288
4.0391465549	4.849398496
648.2040075782	148.5539569004
21.4434018423	1.5937346099
9.4214080589	13.7244264912
0.5066661234	0
9.3881003035	6.8195219396
23.104001985	25.7573270283
0	1.0461437439
95.0090454651	61.1983013577
176.6452485664	88.6192464503
1.778238745	0.3700585303
1.1070314065	2.0733986076
8.1755275466	8.932138339
0	0
5.6985551709	4.8830843581
35.2793364707	33.6497779671
0	0
2.1879390004	2.0178900354
0.2471568597	0.0734776029
334.4902706698	351.8614194614
0	0
19.4749753209	9.3526604938
5.7598867311	3.8528204666
0	0
0	0
0	0
0	0

gene_expression_table

1.4254201159	4.4495336298
47.1250238942	85.8104120807
10.754998129	5.8898887756
0	0
2.9019741532	0
0	0
2.5821889223	0.8956062474
6.548828887	2.2713954094
2.6801994169	1.5493336689
12.1122812791	5.3065552367
1.7127016007	3.5641999086
5.0414722658	0
4094.8434003539	1759.4206627165
3.4761999568	2.4661738222
13.7157091149	9.8802464703
101.5101720279	27.8728272888
44.0150274561	5.9340259882
15.259678812	11.6438653385
0	0
0	0
5.710472569	11.883719733
144.0353210731	39.0290640034
1.9796546942	2.8227847299
0	3.5423559868
3.9860972046	4.2814071016
0	0
363.3707551088	273.0682292196
2.8778592474	2.9944695745
703.2846765681	226.1576819231
0	0
0	0
49.2161446384	25.6051868805
57.5451178081	79.8357805206
17.3465217093	11.2808747352
72.5082578157	63.5836565807
5.9843381961	0.6226822478
266.3184346965	178.3140090471
152.9630101778	15.2620178408
6.1214350096	9.5542116444
185.6380680972	243.6788808135
9.6724673785	16.7739899608
447.1305054283	110.3690869667
1.1785977586	4.0878477428
840.8139910188	572.7330909081
0	0
130.5652684039	208.7539558558
15.7097809962	23.6113777334
4.0901382413	1.4186232967
5.3063482167	2.7606802349

gene_expression_table

17.7930076397	8.9583759844
0	0
100.0391525584	157.8179957603
91.4365495928	30.1854690703
0	0.6452510905
10.8886963626	10.5485316224
49.4272474263	21.7588590132
159.1832386845	34.9501488717
0	0
75.2193062767	24.0019348083
45.0421898938	83.0829251996
10.2855120199	23.5450139625
296.7763672634	76.5828193787
5.76788958	6.0016034042
0	0
122.8767221994	33.147764836
3892.6471812162	2402.3851915484
158.2915875157	114.378842714
100.5602758009	22.7467303626
1.9148094421	0
1.8887664711	1.9652989409
15.0431499158	11.1804968441
0	1.0049746468
21.4562081757	15.1593646667
0.2720393512	0.251610965
1.9349100643	1.6519485243
0	0
0	0
0.3166306279	0
0	0
3.1863454253	1.1051518518
2.4520185171	2.667345395
0	0.4207880158
3.5503401454	0
6.0655476021	9.9929272515
8.9531374095	7.5691824727
0	0
0	0
0	0
194.0528338902	53.179474964
4.7456653991	8.7363888012
0.2204602007	1.376359245
7.3215988616	6.7476094199
26.8731641853	23.4881302757
0	0
6.6914533369	15.9144909589
1.3757377551	2.2903718331
19.3472804869	8.0524914925
0.2429948465	0.1264204765

gene_expression_table

29.1388799511	36.2562833751
12.2049118021	6.8939885445
0.7713360394	0.2675301446
0	0
0	0
0	0
0	0
0	0
0	0
1.0065486118	0.5934891399
7.5666825857	4.533102432
47.0546536641	26.3637766916
18.4710098279	14.6845249299
14.1991055244	14.7744506669
3.7742177221	1.9635741648
1.6561803021	0.8355337809
600.810521664	756.7668857216
29.9895381777	17.7866839847
5.4349450075	10.2228036541
0.0335430774	0.0349022367
0	0
0	0
0.6862994743	2.7136111701
1.1277305137	0.5867129733
2.2743044183	7.0993764443
3.5174550159	1.7853569004
8.8282822347	10.8561848979
0	0.0335756312
0.4332147308	0.5409222144
0	0
0.9674370308	0
0.7243897663	0
4.0758946898	4.2410491925
4.1944592435	4.3644179601
9415.8226244757	17474.4025222791
7.1454598832	8.8647988723
0.1117483643	0
463.6453572075	393.7090218858
39.0637284917	21.6781779096
0	0
2.9967914749	2.375787363
0	0
0	0
0	0.5089098996
4.8646934592	3.0129821088
5.0715183205	10.5540306188
0.6258059474	0.8682179857
54.8962319128	62.0876273111
3.830548071	4.4286235264

gene_expression_table

2.1860929522	0
0.7205996097	0.8435229449
0.4820906031	0.6688331008
6.3071308946	6.5626946776
0	3.0837333373
0.2263892285	0.3140833045
0.8268050535	0.8603070421
0.7331022266	0
0	0.3345875514
4.5110034603	3.7159158881
96.0734501375	24.0303674651
0	27.2638876658
2.1478541368	4.3101349542
0	0
5.9091285154	4.391832368
0	0
3.382384691	3.5194382962
2.8397229675	0.9091655445
2.2787100765	3.3589775683
7.296228798	8.2245265332
0.3767924159	0.3430524783
22.464057391	120.7672004536
9.2188829662	7.8254037533
0	0
21.5493075547	30.3362985415
7.487866195	14.5200999709
0.1661002265	0.2592458657
43.370785635	18.5821843062
2.3389272212	3.931361735
2.2450438837	3.504018973
0.1349778196	0
6.3286959553	3.7629334575
0	0
5.7363391013	3.255695185
5.9781483033	9.8489378061
0	0.7998815645
38.8406632667	8.0828959587
0.0680556652	0.1416265365
2.0052660502	1.3501005692
1.0484564736	1.3091276844
14.0980670373	4.8897727063
40.9059278438	40.0223283016
1.2306307702	1.4405576653
0	0
34.4736999888	28.6964543739
1.8926276632	0
0.4465574583	0.6040474497
1.0547206693	0
0	0

gene_expression_table

0.6320627252	0.5261390324
0	0
0	0
4.2471747749	2.4858391022
0.2636342816	0.5486333883
1.5327010186	1.3494510461
3.5770809087	2.7294839504
4.9392000517	0
2.5735488378	1.3389142815
9.4887325692	9.8732142664
21.3511679367	5.9243502218
0	0.3467411725
0.9224131117	1.0162473049
0.1946729271	0.2025610382
0	0
6.8114148146	7.6620671235
7.5000389636	0.5202626108
21.9779137144	20.4430125644
0.288675491	0.6007451375
2.667464857	3.4694375526
0.8195947841	0.7309753833
1.2336256706	0.8022574723
1.6075090058	4.3010870781
0.4384263766	0
0	0
98.6623285918	52.9510030672
0.9810969979	1.0208508677
15.6474991311	5.4271776386
9.8890594545	11.872802681
2.4125933657	0
0.0839953154	0.4369939505
0	2.3254826995
2.405556702	3.2731923143
4.1822321519	7.6991534513
0	0
1.4260910166	0
3.8416105829	3.3310599473
1.2101861916	2.0987045222
17.0564744884	4.7041830518
148.2646248997	29.7392347398
11.1705015204	10.4983093293
0.8354851386	0.9935301059
0	1.7726265135
1.3534872817	1.0327755806
5.8248550079	5.050730884
0.2345792283	0.3254457807
1.9730744228	6.1590691057
1.0877667477	1.1318428561
317.4982298038	296.4797945484

gene_expression_table

24.7305508527	22.2686205763
0	0.1085714177
0.4601633758	0.5985113889
0	0.1737632283
24.1807785846	4.1934298804
2.3156392012	4.4482494931
57.0379460624	59.349113139
0	0
27.7305915565	20.2759454213
0.4779335372	0
0	1.044788513
0.822509291	3.7086279362
0	0
1.67552511	0
10.2493081076	6.9730130445
23.1491960695	15.7304145199
0.9338154645	0.9716534952
0.0668374707	0.2086371382
0	0
0.4107478164	0.9972462321
25.3915529126	13.7845638069
0.0651242788	0.2032893077
0	0
4.9642785232	5.6819731928
9.3444096584	19.4460868359
0	0.068144451
0	0
0	0
0	0
0.0163088418	0
0	0
0	0
32.9720793091	27.1875524444
1.2133095869	1.6067833957
11.3316355798	28.7400539593
3.7840376728	0.9843415457
176.0855008425	154.8873931968
0	0
14.1501117216	15.4596452265
7.2853305729	7.2646753757
0.7941189695	0.826296524
0	0
0	0
0	0
1.6157369461	2.1985005589
0.5425244069	0.282253698
0	0
0	0
0	4.6554051966

gene_expression_table

1.5352274178	4.7923036506
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0	0
0	0
3.5918282693	2.4915789931
0	0
0	0
4644.5026000567	6835.2277196205
0	0
1.8866815629	2.4539119407
0.5120632551	0.266405982
0.111942785	0.2329573721
0	1.0594710265
4.4076413111	5.870384801
55.4620541588	102.5944291297
0.2338298616	0.8110153484
0	0
5.8911485902	11.4934815878
56.7275687794	29.7697151886
0.558852641	0
2.0473072177	1.8364342495
1.6352971615	0.1890621224
6.5585656451	7.5825750199
3.9215405517	9.1809914695
0.0911888862	0.3795353723
131.5435575199	185.6232075032
0.246359023	0.4485975293
0	0
15.1473291088	27.1441099439
0	0
4.7461679142	2.0577007352
341.9311929671	132.8268412701
7.2933548841	7.5888802816
0	0.6196411915
250.3861088	354.6126023443
0	0
8.8080403921	9.3999390437
1.1182265748	0.7160227137
1.8761672521	1.6471596407
5.3720147273	5.5896877753
7.1116068824	3.9175241741
13.6658980813	18.282391401
0.2989083087	0.3110200184
27.7253838097	1.6969888976
1.3406747043	2.3714976142
3369.0955218611	2470.3967684151
0.3211150488	0.668253143
0.4986937962	0.7936129532
0.2124907437	0.2211008295

gene_expression_table

1.2572302206	0.5232691831
1.0943076954	2.2772976836
0	0
34.0244555007	24.6282575133
0.1539467947	0
3.3097846041	1.5823308092
0.2788196633	0.0967057949
0	0.4189630337
1.634710852	1.3428545012
1.337339425	0.9276854482
5.2066820196	7.0846268372
0.6790785075	2.8263785746
7.0787406496	5.7643590662
2.7726252121	2.5964743278
14.2253187581	21.8130699772
39.685943371	26.1247821481
7.6766691835	2.6625754686
0	0
0	0
0	2.375970479
0	0
0	0
2.3287355122	0.9692381786
0.2734106894	0
3.4569586347	1.1011328456
0.1403392696	0
4.8318905656	4.3992181468
3.8655965146	4.0222297739
19.611988235	1.9434916561
0	0
0.0323134954	0.0336228322
0	0
21.6538998523	22.5313118889
13.36307248	12.1664740027
0	0
1.0705971983	0.0856905846
0.9493597616	0.6585517629
4.6259770201	2.4067103788
4.7075103318	3.3514395364
0	0
1.0007997795	1.5620280036
10.4041348726	7.3811648882
1.6856185213	0.8184957543
0.2182828588	0.3028368535
4.5453650275	1.9213765926
0.5670444757	0.2950105068
9.1301031863	10.6177066149
0.8939045928	0.2480334513
2.1881906334	1.2259992312

gene_expression_table

74.1717434451	27.1163025648
0.8234983235	0
13.348059435	5.1679703615
0	0
1.2092436379	3.145604919
34.3117365129	11.3597405604
15.1739460339	9.3486265664
49.4765053496	16.3804086219
12.6276303025	2.0214307013
456.5436443329	276.9792992526
112.7113821427	136.8248310362
0	1.6321378535
5.6170397004	2.5570304879
0	0
0	0
2.3832086628	1.5154185684
1.7343407546	0.3609231846
0	0
0	0
4.1662482595	3.7006642811
0.5557826366	0
0.0252174697	0.0262392769
6.162938822	0
45.1595073047	34.105182263
24.8656445158	16.2905307235
0.3309471548	0.1913094848
36.3062888335	92.202499464
6.9593651882	5.6321668548
0	0
0	0
0.5440964665	0.3145239751
113.7916201231	61.2426391174
19.0235006559	6.0243611221
0.6386367201	0
2.7808608241	5.2083734272
15.019906782	9.7678191502
1.4237638684	1.6295999702
204.0300211996	116.1447003275
8.0904778925	10.2890364716
147.9916141367	85.5490039464
0	0.7204517432
0	0
4.9131984712	3.0673682214
0	0.740259245
1.2137217661	0.4857313649
6.411707978	2.9006561762
4.2107809214	8.1786151801
33.5286687281	11.3383543695
9.5626931377	2.4121628372

gene_expression_table

40.305046599	22.5821075141
6.7781644568	2.7126209358
1.1338767486	4.7192849032
0	0
14.6566284737	9.1503074171
0	4.3787455948
1.9333214635	1.3411061956
2.443057904	0.5084100321
12.1817153323	1.4083684662
573.7899116755	109.1363026444
1.6281960503	0.4235425636
2.356801879	2.9926361379
16.8584588514	10.9634753133
63.4912531976	124.3555898194
5.0296185822	1.6881992908
98.5656307357	52.9339313301
6.4261396219	10.029788425
8.0074894947	2.0829878738
32.4954331779	7.7284896342
2.3907733192	0.9328676303
21.3167032994	14.7869681292
1.8944564969	2.3654634305
5.6112867977	4.6222686255
0.2066812246	0.3584265163
0	0
3.155349994	2.3256029715
38.1584335005	18.467258699
0.1969902427	0.2049722511
3.5204889671	8.791532477
0	0
13.7433592203	10.3279493824
0.5599095042	1.1651938686
6.4280525805	1.3086227129
2.8070927087	0.5841671177
6431.3531858448	4201.9223650577
3.6091365668	0
1.2814969682	2.666845979
2.5766260397	3.6462014156
1.2541551514	0
34.8388569503	15.8993513254
2.1822568978	4.9954994005
44.5332928881	4.7525921764
29.2890822093	24.3806963438
1.8108869524	0.4187252796
1.6539338674	5.6322031525
15.3425685818	10.6428310913
178.672322382	92.9560460001
5.5695715729	5.3494611581
59.0585227381	87.68088897

gene_expression_table

0	0
12.947278934	5.9875112415
13.7730970191	8.9569877346
0	1.9999806869
34.9862491307	24.820831027
18.0128482674	22.4912706767
0	0
28.016921254	11.40736764
4.53766823	4.4592262831
5.51938046	5.3328086875
13.2024879925	15.2168681089
0.5587736709	0.7994457312
2.2157039771	5.6196169927
0.2229316483	0.5799119942
0.0522386095	0
321.7961216125	284.2940727454
4.1907478859	3.7145478902
0.0721779375	0
5.7589862601	1.9974464411
52.7360334638	25.3259482309
0	0
3.2574883622	11.6748796581
8.8303820233	10.9109726297
0	0
4.2100008188	2.555343745
0.8902141628	0.3473570538
0	0
57.6926612408	16.6041413687
0.2014188089	0
0.7689188762	0.4000376638
0.3255219867	0.725811595
16.2848534021	25.802176103
0	0
463.0410514802	658.2384337651
2.6753907537	1.7581876387
1.6739195561	3.9811347849
10.2841367393	4.4586866946
17.8724159769	28.7947401025
69.2434345204	44.8305920178
1.97317279	1.9450661573
50.7358479088	36.2545101482
1.4070066341	1.830022855
0	0.7494740904
0	0
0	0.0634410423
1.2421735713	0.7180590088
0	0
1.0887024254	0.1888027412
866.6280307743	348.8120093854

gene_expression_table

0.7237291138	1.1295817264
0	2.2343705374
4.7734486479	5.4635546994
613.4015487098	303.1718216191
490.6488747051	337.0895898897
11.5226531461	7.9930326205
2.8508402317	0
2.4603384442	2.4774492631
5.5290599119	5.7530964019
0	0
2.8737000473	1.1213031916
0	22.8757685428
12.7356412492	6.6258435443
0	0
33.7567587601	5.8540960687
167.0230144881	594.2522634586
275.8153677586	643.4161038994
110.8236052989	264.7954725216
10.328222234	134.3339987252
0	0
1.4537084289	2.1428676047
30.4182397788	43.1601562584
0.7136949419	0.5940909837
0	0
2.3190044137	3.2172933943
0.4984120034	0.2828768542
0	0
0	0
0	0
1.0274731225	11.760167588
0.8159076102	0.6791744291
11.3771881034	17.4457531999
2.5980335484	5.4066107793
2.1477355014	3.5117678335
0	0
231.0865915949	295.2896919794
28.4110868087	16.7666769411
0	0
0.1152062674	0
224.9702398744	143.2466521808
4.2859753717	4.0880054462
12.5093856434	6.5081318236
0.3364679893	0.3501016103
10.6111160278	10.6849127383
25.1213447061	26.13925697
0.2624370173	0.4096063754
3.2058731421	2.7003889067
0	0
3.1981166962	6.3780989425

gene_expression_table

13.9382138664	11.934750317
2.582873353	1.1684916982
0.2525855853	0
4.1668628232	4.6066847965
0.6273490532	1.3871343829
0.3073080018	0.5232437435
2.7642548145	0.2876261911
0.3216791154	0
1.5160650086	0
24.9589104555	15.4716328846
7.305407144	3.6354621681
2.2419731703	0.4665635021
0	0.1399084418
1.3493009674	1.4975726872
0	0
2.1872406582	0.7586224157
7.6308427428	3.868226119
2.0317986259	1.2919663364
314.0969197302	344.9809618361
0.1147886952	0.0955519296
24.2446407384	0.6818115978
0	0.0628093228
8.5701139494	8.9173733893
186.778892925	116.382298528
271.8036954896	75.4179016547
0	0
6.39686526	2.349199434
9.6335045026	7.4462903038
8.4694991739	8.8126817216
813.99452656	800.5677124964
1.2475049214	0
3.6286165787	2.4026847438
0	0
5.0497046958	2.3352523559
1.2638090835	0
12.6860470498	6.0923461576
0	12.1215187385
4.7708521542	4.9641662054
152.0187005357	81.0182408865
0	0
62.521897556	20.8176874681
55.4411183616	110.5811826409
0	0
42.0177034877	17.107925126
155.2130962193	145.7459801344
4.0625911941	1.014529594
14.8407379853	7.3146704007
3287.7112847496	2472.1555354175
218.91984435	150.2273844148

gene_expression_table

45.8170751528	24.7902587948
10.1335278654	11.5985502043
6.9906371064	5.6827315901
0	0
24.3215978509	20.8411448984
0.7830209094	0.581963409
0.9758053297	1.7486493468
0.3622342479	0.5653678694
8.1599150812	6.3679150038
0.3418236498	0
8.1585168778	0.848909848
0.0700083877	0.0728451146
20.3288643789	5.7999026738
21.6853928175	11.9456899111
0	0
3.6868554369	2.7279972555
0.1663093665	0
188.0717627702	222.9407042843
2.9281065802	1.0155843066
1.8098598894	1.3810097246
0	0
0	0
0	0.3155622951
146.0098122772	55.7062377657
18.7210993367	19.9666667071
6.8691618197	4.204411172
276.2759578394	104.2785541734
2.9997455732	7.2830209941
35.7344728381	32.053816466
5089.1260638077	3092.3670605887
0	0
0	0.8530863207
0	0
0	0
0	0
0	0
1.5409127881	4.8100508719
3.5783183901	2.6063178349
3.816900269	3.9715603654
2.4317213738	2.5302542763
0	0
0	2.2713954094
4.2671875488	10.7830834928
0.5954508986	0.9293676892
5.3866200907	2.9425645963
56.2394165755	85.7732921933
11.3913437138	4.9387161935
10.0613840605	12.6501256348
0.2147775045	1.1174012473

gene_expression_table

23.2275232763	36.2530473666
3.0914254625	4.0208618166
24.995094498	12.5395189361
113.9242530734	35.1230941749
1.9911048743	1.5002574353
0	0
0	0
0.0656789419	0.2050207217
27.7334811104	11.7833716364
23.1597566316	6.1093991935
0	0
288.5869841315	101.0034327065
0	0
0	0
17.0916749767	9.7389811791
14.8074238842	2.4327502065
25.6641477021	19.5829731119
4.9267070435	0
32.881978245	27.3714799612
68.2322365548	42.5981965331
0	0
30.0371062988	12.5016817271
0	0
0	0
7.3111040741	0.894982196
178.9210210418	138.8651555527
159.3585328378	188.269922158
40.6506446041	17.3723112243
0.1430817348	0.744396902
33.1583671214	19.8596521484
11.8916933065	2.2497350056
0.6012514774	3.4408774216
0.7479616954	0.5188459771
14.610868626	5.1912335773
2.0371643677	0.605631398
1.6689621006	3.4731762755
10.0695263298	5.2387708417
0	0
1.5394237862	1.1802743876
0	0
0	0
33.5708835104	20.9587017189
5.109414174	3.141536684
38.2702932307	73.0051638594
3.7809612194	5.9012476082
112.8643113311	152.135011133
0	0
0.1951356742	0.8121701431
1474.9116853359	1405.1243622518

gene_expression_table

92.0209837219	47.8748285229
0.8051691827	0
0	0
5.6374190618	2.3463384978
0	2.3793938327
0	0
34.6417090129	10.0126068573
2.2449934763	4.6719203975
0	0
0	0.1004695144
0	0
1.4192155411	1.8048823145
7.2868702956	5.3917389787
2.1985470066	2.7035647679
46.0641346948	58.9915630209
2.6249561433	2.0758023511
20.5362008637	1.3495783543
0	0
0	0
0	0
0	0
1.5159270968	5.520732643
8.6617738383	4.8530177877
0	0
0	0
6.7646785207	7.4528280522
14.507039614	5.2051248928
0.1240169124	0.4516471919
37.3218493603	38.8341238273
0	0
1.5942396034	0
0	0
1.488208486	3.87127605
2.6407711868	0
0	0
0.3253758787	0.4514133992
7.6618788849	3.9861684036
4.2414320628	2.2066470547
1.3739375411	3.3697932025
47.1980148149	61.3880871105
6.0071664921	11.3981087621
1.2855336202	2.7867150123
13.2049021986	34.3499060132
0	0
0.8029384748	2.9241568789
8.4929516221	7.3642370489
23.6161769454	10.5313286094
9.6374067292	8.3815389531
2.7007595335	2.8101938127

gene_expression_table

0.9082508488	0
1.1645955955	1.2117847947
13.4621020708	43.5791501259
1.0785442091	0.1402808277
0	0
0	0
9.3773119648	1.7218727505
0.0493302189	0
1.4854926426	1.2880704426
127.7946994121	79.6195861718
5.8812277119	3.9910004194
5.7109618145	10.1869181761
4.0132421189	0
0	0
1.2972840492	0.33746244
4.0745817374	3.7686071462
90.0080783268	71.5185080358
23.9009381197	32.9479945511
0	0
0.9893338424	0.9007437841
1.2853408221	0.4458075319
0	0
9.0770216549	4.2931004099
326.2208531019	167.1350681054
96.3477168123	34.6549116026
92.4379177093	74.108586897
0.7540195726	0.7845723069
0	0
17.1539248519	4.6971049289
145.0716403706	118.6035058512
2.2547133777	4.6921478976
14.5077654451	3.7739043577
3.0473779966	1.5854285961
3.9447476801	0
29.3641262794	7.4070194598
0	1.3443814976
3.0665562399	1.2763250137
2.0936725391	1.0892538825
0.5524660713	0
0	0
9.7039793029	10.0971827582
20.0295511714	32.9984794224
0	1.1354002459
5.3463543711	2.7814938331
226.2393734283	187.2552111819
215.2486489064	82.8126161337
17.3348681428	27.0559107141
0	5.4233583722
39.765504013	2.9554853512

gene_expression_table

9.2324579361	0
55.2044900294	57.4413658049
0	4.0306444806
0	0
2.1307488268	2.2170863771
1.5957662142	0.8302131837
0	0.4114473775
0	0
30.5181156112	17.6415022438
6.2519551959	3.2526416349
0.5864921016	1.2205133072
81.1840455198	12.995939708
374.7658150204	285.9642550374
0	0
35.259292964	55.7113968163
0	0.5977191505
10.1613332772	0
25.9999297846	7.1193268827
119.2030513203	124.0331370204
0	1.8616955718
2.8163911737	5.8610216513
137.2198345573	84.6103448878
5.9609520499	2.3259332737
248.5877555323	172.4403237558
7.8947012738	5.8675665117
1530.6560873055	383.2007194574
0	0
18.6964949348	13.200978425
12.8242935722	3.6392540693
5.4397214214	2.8300689661
65.7140116129	18.9935364635
16.7315126251	0
0	0
0	0
31.883775334	46.9989083933
2.736385316	9.9654210089
2.4249980464	10.0930340835
0	0
0	0
49.6223013536	73.7614112449
87.3298310012	136.3026295203
17.3357268572	10.3075241822
66.9138354883	82.2842939298
11.823048297	0
0	0
1.2461367363	1.407769679
0	0
1.9870728641	1.0337943454
4.9456334225	1.1435621286

gene_expression_table

17.8865990196	8.9334531455
15.4034306871	14.0241280056
0	0
124.2782727595	47.0232747266
0	0
0	0
0	1.4973086658
4.1526505294	15.123203076
0	0.4672172165
14.7676571897	0
0	6.0134671599
0.9472964522	0.7228325354
0.6080116719	0.421765462
0	23.2037522248
23.9615415858	18.6993441306
1.000175247	4.8566100986
14.8740577595	19.2125195284
8.6137605816	3.1633371441
290.0682309607	301.821742292
0	0
0	0.0334918434
0.8158217325	1.4855376882
0.143684259	0.2093088463
2.3354710103	5.9016808169
1.7494649372	2.3664588148
5.3209110243	0.2636434933
3.7448509156	1.9482957927
0.0611636487	0.5727778969
0	0
35.9021613815	45.9178689754
18.2452480655	11.1129027273
3.7668595331	7.8389839762
8.0079704827	5.9517514092
0.9963112468	0.8885842244
1.489283557	11.3639463856
0.4134323834	0.669176025
0	5.6380531801
3.4319873497	4.7614011273
2.3069961341	2.4004751928
0	0
16.2762810133	12.0969949459
25.4742450628	10.9483191065
0	0
0.2886142462	1.5015442116
34.9683128122	25.0148404079
22.846084219	20.37583144
0.1296297269	0.289033499
0.0346962036	0
0.6066600135	1.6412285905

gene_expression_table

5.5486969727	1.603758098
1.536756416	3.1980510062
3.5291373517	1.8360686738
0.6901535883	1.2926132725
1.1932132404	1.9510260335
0	0.3857685312
3.7957189779	1.0771420397
6.4601664225	3.6665079147
0.1204536845	0.1253344457
0	0
0	0
42.4777046833	23.3994141842
8.0301585711	2.0888847796
0.0539747191	0
3.8576243675	4.3788377421
0	0
6.9591499113	11.2639852653
0	0
0.2481880494	0.5164891669
1.5487821869	1.1280769892
2.3361725917	2.4308338752
46.9141789753	52.301928078
79.4971333313	93.0581353602
1.3619525497	2.5587225018
8.8057047473	1.7452400539
7.0955405665	1.4766101129
26.3441973853	11.7478540349
115.8603933342	482.2201405918
3.1807502242	0
0	0
0	0
12.694223923	23.3690465707
15.1404481295	0
5.96636025	10.7231095741
563.3253748543	552.006484371
0	3.0755290095
20.312757892	21.1358271032
9.4053254129	7.2110518182
2.6685754553	1.3883528208
0	0
0.0812122271	0.2535087948
0.6175843228	0.6426087259
0	0
1.2608969007	1.4312598666
1.6360686817	1.7023618836
8.0393591387	4.7053757764
2.8109926443	1.8612958947
8.1717190088	2.1257088897
0	0

gene_expression_table

1.4051084801	0
0	0
0.2050761019	0.6401572433
0	0
2.0693637867	2.3775071543
7.6882541511	4.6152581505
0	0
5.2690445514	10.0318913394
0.2870747477	0.6827587739
0	0
8.6091306446	2.2394927584
0	0
1.5132199202	0.5248451043
0	0
0.2212886793	0.1151276279
2.3344512801	0.6624662226
0.9155360166	0.9526333675
1.2020475763	5.0030172916
1.1234577993	0.8182860718
3.4855476103	3.4358981286
46.6225879776	39.804493671
0	0.7383679337
18.0772407716	18.8097272405
19.7206262963	15.0477817924
0	0
0	0
6.1603008856	7.4969767762
3.6705271594	4.0920602618
0	0
0	0
2.1287244836	3.8762150138
0	0
0	0
0.1109123898	0.2308130789
11.075825644	5.2384618457
0.5722434138	0.5954306116
1.5019605954	1.5628197623
15.6420384459	10.015908286
35.3335490209	63.5036273233
0	0
2.2340136862	1.0420331595
2.9601088191	2.2205025208
2.5010635712	0.4337343678
0.3615034616	0
0.9441558377	0.7368096439
0	0
8.7939770842	23.5293619297
11.2664532663	4.6891871516
76.9186215563	15.6590902066

gene_expression_table

0.648951452	1.1816819795
62.3434255709	17.6917008275
0	0
0.641149079	0.8339104021
5.5027693087	4.5805924067
0	0
128.610109853	71.1815786348
0	1.2893986136
16.9579592699	5.2935277975
0.2772094813	0.1442209792
0	0
1.0127985034	7.3768583863
0	0
1.5645295568	0
0	0
0	0
93.5391633725	97.3293530564
28.2276643548	16.9108314626
0	0
0	0
37.3924904441	12.9692090916
75.4584821751	90.7296531378
5.5302831553	0
0	0
0.1492908092	0.9320402717
4.2594448687	2.7274072559
0.1300281929	0.0901979409
0.00723	0.0376141071
4.8569224373	5.7275539126
4.3121674127	3.589516514
23.400753469	22.3198687182
3.9420415798	0.8203544758
0.707235351	0
1.471434702	0.9186341792
5.9541511781	3.3793157934
6.2640971963	6.5179172618
0.7301343575	0
6.1929206865	3.5148309234
3.993111799	0.6924853257
1.6977827492	2.6498648905
0	1.4272641827
0	0.2993548884
2.2938178355	1.193381456
10.7568981246	15.6698719195
0.0375189098	0
71.6201932894	95.3884548348
6.0394566928	4.488695976
0	0
2.0998723002	0

gene_expression_table

4.315014649	2.2449291242
0	0
0	0
3.6401456039	3.7876436338
2.7456275763	0
0	0
0	0
21.0472773214	6.7384951153
3.442918563	0.8956062474
0	0
12.0350890043	8.3484990638
8.1885389371	7.5736329135
86.0006813607	40.6751877913
47.6325463544	70.803726237
9.9522323672	7.1009108509
0	0
18.7645053046	3.5499708374
28.9178817353	13.6771040822
5.6322697969	8.5653291013
6.7994668177	2.3583266539
0	1.5892550918
0	0
25.9645219569	8.0406546452
0.3113731384	0.3779882407
0	0
1.0342751872	1.0761838274
1.4912727697	1.2068768972
0.5617023923	1.1689249397
0.2141764358	0
0	0
0.8373603062	2.6138699752
128.394888536	189.2630198668
0	0
1.8246963225	3.4175388271
0	0
2.62793102	1.8229428675
1.0202824124	0.4899803391
9.9447660718	2.217369892
0	0
4.216585956	1.5954331792
10.5660887576	5.6048988816
0.9057263686	0.87629106
23.0751914884	11.7697029414
20.4440285055	17.228899539
0.6233072412	0.4864226519
1.2598050425	0.3575051212
4.384263766	0
6.3229881607	5.11715126
4.4342393227	3.2743904983

gene_expression_table

3.9668142287	0
14.0707060351	12.9515197862
4.0836689065	4.8929472703
41.8615739603	47.3870541321
0.497876389	0.8634170811
0.008091	0
0.5510912663	0.8601320745
10.3473640462	6.8514964846
2.2419731703	27.9938101258
0	12.537839881
6.752263604	0
0	0
2.475061128	0
0.4850419587	0.7570436544
3.8174948399	0.7944358056
2.0025892595	1.08354158
5.4144475192	13.5212158467
0.7337413404	2.1377227325
1.0674786152	0.4165247446
0	0
0	0.3556232194
0	0
0	0
4.8922577649	0.694157884
0	0
6.1075999907	3.1775394091
0	0
0	0.2087024283
18.8470782341	16.669144619
72.012411976	116.9547660758
46.8197695153	81.8714535142
0	0
1.3887155479	0
4.9613226278	1.0324709015
0	0
0	0
8.119514252	4.4727434868
51.8773049496	48.9966532936
2.308087844	4.0026852311
0.1427520308	0
0	0
0.249840131	0.2599636071
0.1056151152	0.1098946203
0.7308388113	1.1406783981
6.6853621061	7.6033449341
57.484113968	124.460122175
2.502612915	1.3020091649
0	0.0929571962
0	0.0980274613

gene_expression_table

26.239686848	32.2670803351
61.2068556853	59.4411497983
0.5764597463	0
0	0
79.1094925109	25.052389657
5.5601667184	6.3839598902
0	0
0	0
0	0
12.0591048168	4.5628136453
14.3495291974	24.8849491324
76.1712946527	83.6609493534
2.4721238058	2.2048232635
1.3188181841	0
21.9921960733	42.9062171448
0	0
7.4750317315	2.3333755925
0.8291086587	1.3803263823
10.9254484853	8.5261092353
43.2060839372	8.0922215711
19.0743074108	6.6157316122
6.3123433995	6.5681183922
5.471535269	1.7791377722
0	0
0.1462800287	0
0	0
5.0819061279	1.5863472087
5.4353967015	5.302160602
2.2790736563	0
2.929470621	6.0963444628
0	0
10.8895142069	8.4980664887
18.3172055656	8.4708512728
0.6211581663	0
3.4985136266	3.6402727548
30.3518365261	42.3566159832
7.8513953237	0
0	1.3455290258
3.8346418553	2.3940125025
1.082144119	1.6514555193
5.7633015994	5.9968295194
9.795655357	11.8913357607
12.0070968873	6.5755906543
9.8522004629	11.7464070766
14.9373825614	42.5983536652
0	1.8669070365
5.9026559385	7.4665390036
0	0
8.1954916195	1.3119340664

gene_expression_table

4.8446840829	3.165272659
0	0
21.8816853158	58.6722277266
0.6641725167	0.1727711662
25.8411658206	24.6842905868
7.7484265567	2.3712915808
18.1423067186	17.6595309608
2.8070704574	2.7489999394
0	0
38.3225153638	105.2030157978
0	0
4.4678886982	0.6641323894
1.0876868751	0.7073498419
0.6682253882	1.2912746934
0	0.3536810528
15.0734007119	2.9407822752
98.6166662847	155.1909501466
33.879918806	43.0411200284
1.9248728356	1.0014341643
8.5325023605	9.5123976276
5.0164318406	6.3071335554
19.7000662786	20.1508803666
6.5996620187	2.2890263697
19.5859540304	10.1897866415
0	0
2.0163556709	1.3575669616
0.0294298634	0
0.8060698139	0.8387316144
12.4254404682	0
33.1238055547	19.530719767
0	0
0	0
0	0
93.643193114	69.0182986286
14.1338433936	9.804362751
29.599620914	24.0617125825
28.6564094884	23.191437054
91.1387731125	68.9685086726
8.2152263123	7.2658899049
25.6687309949	27.8700764352
18.5077707144	7.9005957651
5.2519970295	47.3616605149
32.3101603981	12.9305239041
12.2553749936	13.2242553672
8.2260402672	5.7062386032
23.7839009152	16.4984134686
3.7297990114	4.3660460035
0	0
0.577658685	2.4042612344

gene_expression_table

12.9479818471	2.916755314
13.9868981129	16.7009036969
34.0011968036	29.135580386
0.9234504364	0.9608684781
0.0939437427	0.4887516293
0	0
0	0
0	0
35.9097805613	20.3808208693
15.7798622952	3.2838518822
16.3748233954	7.7783672334
0.1368540973	0.3559985003
5.9833029448	2.5468957959
8.2235595554	2.8522588917
0	0.525338036
4.0743382224	1.6957718629
6.9931122848	4.1579839471
0	0
137.3774777001	87.2200603599
3.7105447555	0.9652238365
23.9211324637	5.8565676114
5.0058836211	7.8130816561
5.2484682768	6.5533622945
2.6184535583	3.3732558656
35.0357533952	23.5196101125
0	0.5843246017
4.007258831	1.6678528885
0.6313353111	0.9853753525
0	0
2.4942185213	1.9464628475
184.6671527086	83.0396257806
23.7275805149	18.648087845
0.0187890451	0
0	0
1.837735617	4.8867341662
0	0
0	0
4.5279773105	6.5960301649
8.9794554709	0.6673786681
3.7823964394	1.7642606831
0	0
8.6448493044	4.0323027963
24.5547447326	21.1875548287
117.7355233378	50.8270176372
0	0
5.2882082945	5.5024855213
13.7791146931	2.6068076154
6.7820920181	5.132291737
3430.7911754591	4853.6363541645

gene_expression_table

1.9831317449	5.1587196956
207.1146774385	116.2284544982
20.8637675168	11.0957946965
13.2505098866	13.3565612926
1.6837451072	2.9199502485
21.6105691609	11.3566795181
0.0530928984	0
16.3937001952	12.3467210776
0	0
0	0
0	0
0.8562507991	0.3239803359
0.0444063329	0.0231028347
18.0825607103	15.287400978
0.080140937	0
26.2335283902	35.4854579719
3.0089927086	4.3560577938
0.2616084108	0.2722087355
0	0
0	0
468.8746515707	30.4920853847
0	0
0.65203015	1.3569005834
8.1147723074	7.0363178231
1.2255174713	11.476576923
0.6855350803	1.5157897756
0.4455622894	0.5795204891
61.6453245648	103.9991393751
0	0
28.5693468212	24.3220675878
1.4901491743	1.1628973084
3.0454647398	1.9422084452
0	0
0.0857721568	0
0	0
0.5073293864	0.703848373
42.5575390645	24.601090397
9.3893811107	4.3421498245
0	0
0	0
13.2833350598	11.1464301223
0	0
0	0
2696.7588232714	3943.7326636741
1.6293103808	1.130219825
2.087273323	1.7480737897
1.5178140665	2.6321926886
62.6072865785	38.3200719457
173.119011389	65.2658557492

gene_expression_table

0.1535439597	0.1597655327
0.2387185883	0
0	0
8.8185140867	13.3466744065
0	0
0	0
0.2570624366	0
3.589829442	1.8676443351
1.2182427755	1.2676057485
0	0
5.0823922291	3.3653007989
484.9996092717	290.6793816047
16.9821528325	4.7120710773
0	0
1.6686278737	3.472480736
1.1696088275	3.6510034858
5.9832331968	6.6703636122
0	0.4669404216
172.6629064242	155.160197121
0	0
0	0
0	0
0.664340649	0.138251922
5.2922490339	4.0382393265
22.3015752018	18.7851869387
0	0
0	0
2.0006706975	0.5204343765
12.8085673683	11.9948113446
7.4572063352	7.4220070084
7.8935438105	7.1867151588
0	0
3.4847113409	5.0762756843
0	0
0	0
2.8544415501	1.8563143727
10.8467723266	8.20820476
0	0.1486891608
0	0
0	0
0	0.5454492782
7.3588257647	19.689438935
1.0534538577	0.2740349035
23.5120062372	13.1733045244
0	0
3.5540434356	0.8404665049
0	0
8.8719620655	10.0227196785
2.4724572412	0.9355057286

gene_expression_table

3.03523118	0.9717594427
12.158015497	4.2168853491
1.2853943276	1.2419441071
30.4773627752	40.0179022616
0	0.6749642879
803.5608215444	890.3139832019
6.0009314276	3.9025550404
27.9780307719	18.8510158928
0.7357772978	1.2527850412
61.4138364185	34.9654169668
0	0
0	0
3022.8984665036	4146.1903147269
0	0
19.0747355082	23.3501650356
4.3082199892	0.4075262064
1.1046391737	2.1345980495
0.4857035685	0.2695382334
0.4594101561	0.4979430948
461.8649462616	489.2387212898
0	0
0.9683083425	8.0603521466
265.2970740056	153.3593681201
0.7932117937	0
1.4736243813	2.84762283
2.3314101333	2.4258784429
401.6162875115	579.3470918043
247.4357514102	147.5397805693
228.9142278993	103.727811897
0	0
0.4181675867	0.1186668165
5.2952352048	3.0053439058
4.2584033952	5.6197454168
30.401294621	34.0664686747
0	0
0	4.9292629408
39.1342305902	31.1118661118
7.3654923559	2.9989333372
0	0
1.4502294469	1.5089924772
37.9239603446	20.7687538094
31.8911712457	18.1000339827
2.810532928	0
0	0
0	0
0	0
0	0
0	0
69.7603815383	134.4887140403

gene_expression_table

6.1600911467	8.0121211327
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3.2154808102	3.9034000843
70.1636657634	49.1677671705
0	0
5.0696540517	3.9563066256
0	0
0	0
12.3098884685	24.9925519681
50.9184385681	33.9082523695
101.3710032532	94.0916500607
0	0
10.1422649944	9.6737920632
0	0
0	0
0	0
16.40417037	25.6032965012
3.5913298197	2.7177089767
10.6095594381	7.0967936789
0.6390215506	2.3746949508
0	0
40.3468321554	20.2911445447
1.2779917616	1.5514050447
5.4277129891	5.0828786284
0.2588110791	0.5385961129
25.6290634264	30.8158336597
1.6230554496	1.5480862446
15.5431484163	11.3210677506
0	0
21.1203378509	13.984810034
8.4248587222	8.3166820651
2.6241893706	5.4610420819
4.611226022	0.3998393376
0	0
7.7981219348	7.3764549094
0	0
11.5254767246	10.4282494958
45.0394231745	15.6214707707
22.8578649233	11.2661343488
27.3378927896	24.6757178376
457.7594291041	409.4016505971
0.1875185562	0.1951167736
39.9009255965	42.2460845256
5.4265971676	2.3099244079
2.4212280899	2.0154686452
2.0611733549	0
124.2235301869	77.55422686
0	0
14.0200638018	5.3848891367

gene_expression_table

0.9358662003	1.8147854721
3.0422320432	1.7410264991
0	0
0.0926067606	0
0	0
0.9856036536	1.3673868429
9.7559866944	4.4854570259
0.2487623015	0.3882631562
8.0030430926	9.1080116375
0	0
29.2375685139	79.4997040214
9.4937146641	3.6859694906
0.4250049708	0.221113047
0.0904779274	0.1412161145
0.2557071221	0.0532136655
0.319220929	0.2135286657
45.5316573076	8.8831109403
3.680552295	4.397048722
14.6339412074	16.7754047078
5.7659509086	1.1999172356
0	0
2.0592885392	0
1.3072861464	0.997521903
0.6994066154	0.1819366107
8.0496607541	4.6532397369
0	0
0	0
32.5413304128	16.0388995888
0	2.8789361706
254.6803857551	189.9166581468
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0	0
3.1472307034	0
0	1.8262066936
31.1342112556	0
7.5667369056	7.5310205753
1.6356051958	0.4641489865
48.2232765697	78.8500033526
15.2188005247	21.1139513613
56.2769113563	27.5563489161
190.9396982236	189.0320474369
6.9090325765	14.3779706098
8.7677586327	0
73.7099295595	25.5655474463
0	2.9359689393
1.4903046481	3.1013830362
7.4942948618	2.1267169937
52.3842712227	14.6237949942
7.8032340207	4.8716517762

gene_expression_table

7.0275935209	2.5311981866
1.7880457698	3.7209941106
506.190539192	444.0814770007
0	1.3588145565
30.1949385298	9.4255295645
171.4654347217	163.9472488557
855.6225758305	577.2988776984
20.7086998086	12.313035722
189.9382992903	46.8081862625
0	0
21.6775109913	22.5558797469
1.6090450061	0.9132235711
22.1113488384	5.8993068266
0	30.3852205995
38.8972411942	23.2347010685
18.9109355633	18.271688678
0	0
0	7.2734196961
48.4435656238	16.8021633289
304.0982951565	82.2692785477
0.8554276769	0
7.2141067422	20.3745713391
63.2079365836	30.9501696661
63.7975307106	66.3825949131
3.1824915478	11.0381517318
12.4123293957	8.6101831322
2.1172133877	0
25.5984432789	19.9767656169
4.8333170094	2.1553551965
47.6433542475	5.5082060214
89.0610062773	37.067896744
27.7204101601	0
85.8999307968	29.7935267276
0	36.4282196543
0.0972592042	0
1.4409499848	4.9977900434
0	1.1446945178
5921.4582421959	7034.2050038503
1.1770438321	1.2247374315
6.4808075736	10.1151130555
126.949677978	45.7247269262
3.2854750551	8.8883649391
12.1751886717	6.7565467071
0	0
162.3324603702	38.6080324085
0	0
13.5289842921	17.3257553792
22.8595151915	0
18.373936891	11.3515769753

gene_expression_table

1.3779760835	1.6386416237
5.9815457913	0
0.4833589881	1.0687572864
0	0.1360584457
2.2417972366	1.652282734
0.4854234365	7.0712978671
20.8416750976	7.8070233372
0.0541576724	0.394464919
0	0
5.5902672172	23.2671352639
4.0438210567	3.0054828154
7.1812426756	9.0734164443
3.9070597443	1.5245149073
0.6987345696	0.3635235829
0	0
0	0
1.0349260706	0.4307444338
0	0.8641830329
0	0
0.3372556091	0.8188160033
1.6155682574	3.5721904198
1.1415566434	1.1878123085
0	0
28.7196666516	41.0896506053
2.3069592839	7.2013105483
0	0
1.3191371693	1.0294412735
75.3599031108	115.0064263551
0.0217497035	0.0226309975
0	0.360712957
0	0
0.1220696805	0
3.0260734655	9.4460682162
19.520216842	14.7717617715
0.0705703427	0
0.5057142994	0.3382751249
0.5332255343	0.9709555359
0	0.0794763519
0	0.0172642669
0.5477492608	0.14248599
211.837964931	209.9253336011
2.6767195237	3.4814746327
80.6518813195	59.5560443724
2.322525724	2.2958023369
3686.9665424913	7206.7862579772
0.7206775174	0.7498792378
0.0208193606	0.0216629573
0.1186602528	0.2469366888
0.9871011189	0.8216786196

gene_expression_table

1.1864293446	4.3207613516
49.1023629804	58.9522865666
4.7360515085	4.3804048391
43.9634410585	42.5681071821
0	0
1.2783512254	2.992837009
1.8892375493	3.1452625713
0.2798630723	1.3104138264
0	4.1423393587
0.08143208	0.0847316929
0	0
3.659731322	3.173352468
2.7676186297	4.4505413148
0.9385459119	0.4882878097
16.5473759946	22.9571634991
29.6688809253	18.5226351119
0	2.7895483519
1.4156723081	0.8592704688
120.1255475624	20.046049197
10.5154425539	9.4495000302
15.8567721278	13.74940468
0	0
74.571008185	39.5016932351
41.6832774537	72.6233461691
5.778647183	4.5095976775
2.571695459	2.6759000857
11.4201842055	13.2032532974
10.653455191	7.5580440236
2.3571399478	1.6351005498
14.0277770676	7.2980900063
18.1336379163	33.727282137
0	0
11.7290164517	19.5268384633
11.3397595044	0
8.4029544955	1.5897164846
0	0.5739100917
0	8.6785948726
112.5294366607	117.0891087231
59.6954670246	62.1143163614
0	0
85.8722657627	27.922435677
12.4672717516	12.9724433083
5.1444494468	12.4901037135
0	0
0	9.1551386248
0	0
0	0
5.5150314091	1.9128331556
160.8994565821	65.511811154

gene_expression_table

21.5757715806	16.8375134055
6.0020120924	7.8065156471
462.9051826271	238.2959444754
4.0877971974	2.8356226583
0.7532356976	0.6412554568
0.6765055443	0.2346391415
0	0
7.004870355	0
0.4518474709	0.4701562473
0	0
20.6884997822	10.7633969928
22.4514470523	2.9201469443
2.0665409939	0
11.8832443699	11.3755711451
10.6619235922	18.489904623
2.68913774	1.3990505531
0	0
4.1084088267	3.053486283
0	0
175.7530702975	141.3121540952
0.4197734596	0.8735652059
1.1420488566	1.7824866992
17.043188841	9.5002369907
153.2321583459	106.2940647997
2.1291154433	4.7076969695
0.9933390237	1.3781185842
3.0206172837	1.8196386074
0.4933367515	0.4277722216
0.770273477	0.9472093286
36.3783394166	22.9408382026
1.8306697325	5.0795950216
17.825094011	12.6903013692
4.0071142951	8.5995562719
528.2835583139	340.4793238945
0	0.1204774159
4.2798688737	3.8171043195
92.9424795013	74.1431769428
12.1664691304	7.4923288651
1.9889701706	0
0.2173887471	0.4523945982
44.4240895024	11.5560363582
0	0
0	0
0	0
0	1.7966876547
0.0701318359	0.0729735649
32.2332428909	11.1797759867
0	0
0	3.2868604977

gene_expression_table	
0	0
0.3767881562	0
0	0
0	12.6475802738
0	0
11.5746818142	6.6624644801
0.7957875256	0.8280326897
0	0
1.4791271978	4.3606732857
0.274124664	0.228185716
38.7148371634	13.4278517466
4.6422334769	1.6101119743
2.2533922169	3.126265673
2.3086169531	5.1474893295
0	0
20.6202162527	26.8433091987
4.3437178285	3.0734126433
2.2174360899	2.8841077402
0	0.0377804173
0.5801961276	0.2012351893
4.1834435738	2.3438993509
0.8048192106	1.6748606738
0	0
78.3620145661	55.1944319207
0	0
0	0.3293040215
18.751343196	4.6455105169
0.4388512576	0.2739800579
84.5918100232	30.2566875174
7.3423057312	4.0018076518
2.402708658	1.8750494779
7.0946947373	2.9528681849
0	0.0367572589
73.9662076102	32.7094045098
3.5482990684	4.746954206
0.0565198208	0.1176199871
1.3884899183	1.0835634557
2.2735780095	2.1456375792
3.9331098831	1.2277436315
45.422720001	13.6538249626
0.966934944	1.7886488356
2.5216022861	1.5851986927
1.5283703925	1.5902996795
21.0502946936	27.6483631892
0	0.6633701578
0.5633417063	0.3907788057
0	3.713821494
610.1600596202	268.9722057813
4.2815706525	5.9400788097

gene_expression_table

0.174476365	0.1815461152
0	0.0483403611
2.1857290279	2.9740772477
6.0624097427	6.3080574697
5.1752675661	2.8095487593
0	0
8.3184292386	13.4640962716
1.7472044637	1.5582864575
0	6.1314825161
13.0852874852	19.11091395
0	0
0	2.0791166134
9.4090794038	5.7590197467
0	0
6.061172101	8.8294775506
0	0.0982215305
81.6743215672	84.9837500448
4.5978672176	5.5815339428
3.1562866577	2.0210331152
16.5130449847	11.0968055495
1.1248075714	0.819269197
9.362711728	21.6490824089
0	0.0761966039
3.3589591274	3.9062474781
14.1614081005	10.3769195425
7.0820214221	6.1408196889
1.6106162898	0.478822333
1.555330307	0
0	1.6818460287
0.6322401766	0
0.3916839791	0
1.1677647297	0.3037705854
2.4928793096	1.6211814502
0	0.5226304345
0.9370761024	0.9750462536
16.4967083077	14.1360074405
0	6.764915947
0	0
18.7955297613	17.1124810219
21.4096681215	13.790637673
0.8092669348	0.3368233128
4.5039423175	18.7457649248
0.8409449991	0.8750199357
0.7455857266	1.551593446
0	0
100.1878952379	0
5.3884613725	1.4017002089
0	0
0.4742554775	0.1644907407

gene_expression_table

0.0762063984	0.5550598732
2.7029498121	0.7031182102
0.6042454718	0.4191529247
0	0
0.2644962554	0
13.2489145014	9.543986362
3.6419134372	3.3684294217
0.2682428422	0.2791119928
4.7339213336	8.6200431708
1.3886576871	0.7224629205
0.2728723383	0.5678581505
0	0
1.6719761788	1.7397243459
0.792551617	0.618499247
0.1657112543	0.1724258438
1.4878652339	2.5802554322
0.8264934075	0
14.3352948772	4.8376729905
8.9629889425	0.621744507
164.9303861124	181.677079956
24.6116134513	25.6088714986
8.788411863	4.3893680132
3.2538941708	4.1112573702
3.5254043949	3.3625653711
0.1978621873	0.2058795267
4.1316729971	1.6121578599
0.1308042054	0
53.8263986658	29.732341736
30.0804811815	28.1694030684
182.0064064194	93.6500798122
0	0
2.2086927203	3.0642513904
2.9193679869	4.4841651169
0.2462855975	1.3667469045
6.5475852404	3.0658014852
6.7957697474	7.0711330868
0.2455531393	0
0	0
0	0
30.7500155914	17.997750317
2.8171053291	1.4656269593
0	0
11.2995569396	20.5754725875
0.0984735865	0.2049274363
28.3506576607	12.7466634344
69.6870528249	59.9608202561
0	8.6550789994
0	0.2355235499
6.2740260032	4.3819749414

gene_expression_table

0.3023026834	0.629103865
2.0440239477	0.8861864258
0	0
5.0752818883	9.2944392223
0	0
30.6340568989	20.5418878698
13.6903566026	14.2450873325
3.7413197824	2.3357504228
28.5335060287	57.2586655656
1.4077594043	4.8826718541
3.4973233041	4.4660874281
0	0
0.5121199056	0.8525934558
5.782812595	3.2184654705
0	0
284.4761446591	179.7644188849
0.9010807059	0
0.5434956695	0.0807882877
0	0
0	0
3.7613634824	3.2148851602
0	0
2.8981889695	3.0156230531
0	0
76.8307357057	65.953719955
0	0.789789686
3.0213708208	6.2875924208
0.2473591595	0
5.7488871322	4.336827461
2.3264814428	2.6069615844
1.7753731267	1.6528571381
2.1093078381	0.5486941509
0.7997018295	0.9707898672
0	0
0	0
12.639049355	3.9453543926
2.6627361995	0.6156955067
10.8601983961	7.668027896
17.476261847	24.2458623474
16.4021521403	10.0392731331
0	2.8048904166
0	0
1.5357650516	12.7839517504
13.9103393778	0
7.762833967	8.0773825706
933.9754068823	419.3131627918
0	0
0	0.113321129
0.2772594459	0.5769878952

gene_expression_table

0.2106162124	0.3287255139
0	0
0	4.9999517173
6.1451531331	5.8381402499
0	0.1676447575
146.3508812894	153.8348797374
5.4860256318	2.4464221632
0.7753134165	0
0	0.132960411
0	0.1395166959
0.2862130517	0.2978103519
4.7616505678	6.1932397155
8.7596385088	9.114577449
0	0
1.3937825281	1.2689760472
1.9075427091	1.06875784
15.0682638361	7.6018555701
7.0827475151	4.2666910816
14.0319726323	9.7336970538
0	0
0.4069827395	0.705789342
3.2410970359	3.0351831221
32.0058027819	18.0992782717
0.6323697311	0.9211905306
20.220783914	17.1643136066
0	0
0.5396310592	0.0623885345
16.4489229185	22.8205736637
0	0
6.5841906656	10.2764712893
2.5480153439	2.9458449518
20.6708570582	17.4756045601
0	0
11.9042209041	17.8917234083
2.0893787685	1.8634628671
28.4432541572	19.7305130538
0	2.5644949428
0.769584676	1.3012481714
2.4888051202	2.8250738679
0	0
0.7870577941	0.7874511837
4.6389310312	1.6089665543
11.0702463616	17.5524734579
38.1617393215	36.0728023295
0.6363686781	0
1.3119862204	0.4778016812
0	0.9190561592
0	0
3624.3333035078	4255.3299585006

gene_expression_table

60.8274484343	6.6623332052
0.7959015462	1.1042017738
0.5804973627	0.6903074388
13.0651403956	9.5961441034
10.8896220228	4.6353548875
988.6635460145	681.3970897171
1.291603137	2.3518926522
2.4085253035	0.706853881
0.9845465618	2.1276835075
2.8668585878	2.0207576314
2.4406963553	3.5554300913
3.3046296848	5.5016522743
0.0540368509	0
0.3939967863	0.2049807318
0.7603844942	0
1423.0732350195	2836.9239216813
1.2814969682	0.6667114947
7.464793769	1.4122301525
2.0698778505	2.5844987041
6.146175492	0.799402174
0	0
25.8766872276	8.9750686105
0	2.5718486968
14.012685789	3.6451193095
68.678643048	25.3092773626
6.7057337456	3.4887244214
0.8221305661	0.8554431453
4.6712225857	4.8604996652
14.543110352	3.7830986267
4.5149245664	0
58.9896869896	15.3449845623
1.2513456078	0
8.2118527798	8.5445955431
5.6821698542	1.6892600945
25.7368132426	13.3898320891
40.6994787567	15.3994960528
5.2186914819	4.9776392419
0.9633822739	0
7.4325427014	16.3267168122
13.4678166424	7.6437436877
18.791820675	11.7319570741
18.6967830732	5.9859610099
3.976469069	0
20.1282570473	8.3775401273
2.6570660057	12.7177572236
2.8895204083	4.5099048651
23.9268193307	29.5067610622
2.0546168781	1.9240826182
18.677439906	5.9797681026

gene_expression_table

790.4913801283	448.0404092615
3.6180170592	1.8823092223
45.8658346089	31.8162065238
1.170211126	2.0293797757
5.0224793775	2.98627961
89.6574248457	36.504910643
9.7603552673	6.3474019165
1.0077355316	1.0485687899
6.9569118204	2.412934869
0	0
60.4885175121	0
6.1716535021	2.6270704498
7.2940997554	0.8432950372
3.288012459	1.4662466223
1.7851726379	0
3.1250006078	5.4193750955
7.4556021835	4.5633540069
116.8365848402	31.9923109879
0	0
35.24099725	18.3344779862
0	0
0.8492807346	0.8836934337
16.0971616272	10.4683847835
37.1281226597	6.181207577
341.2401296329	114.7472999674
4.3077643982	5.2293665886
11.998982293	8.5315388788
2.8910158982	6.0163186605
1.2872979263	0.2678918003
0	0.1029791341
3.2405326743	10.7285769241
6.8034919503	3.2446187546
0	0
22.4489266833	17.1296055779
1.5341832918	0.9977175727
0	0
1.3647937464	4.2602848134
0	0
1.2218558574	0.9535239239
17.4659231277	8.7233467767
2.6149104493	2.9682176067
0	0
8.9115436228	11.5907971627
0	0
2.1430401782	1.4865838479
1.1373695211	0.3944851749
1.0002632966	0.4163175125
2.0986602464	2.9115967644
7.9852031248	9.4165970305

gene_expression_table

0	0
2.3681379245	0.6720257556
21.39828941	7.6537120545
0.1087497003	0.2263124363
0	2.8911767496
2.4723988835	1.6078625195
17.9646267289	6.2308500325
0	0
30.0927467707	4.0402708814
6.0609516547	1.5766350751
84.7762398416	28.3536506176
18.3733038308	0
6054.66143603	8221.8446394602
10.6801452091	14.8172036364
21.6376367556	3.7523983024
81.8030126987	54.6434333
1.1227992571	2.3365897528
49.5192007169	25.7628548079
0	0
6.1589528133	3.2042562239
0	0
0	0
0	0
1.3014632805	0.6018659258
16.1288472955	10.8858714936
37.0415606745	19.2712389478
13.726044811	2.7348935018
0	0
15.9165105774	2.0701805821
0	1.5420037844
0	21.9676932713
160.0653993289	133.2409758796
0	0
0	0
1.5139683962	1.575314117
26.3940023883	9.7647937803
3.1921257903	0.1953805965
185.8072370684	16.1113426764
0	9.8075975992
0	0
2.9525451422	2.1944155199
0	0
0	0
87.1578795741	18.1379001626
6.8536239254	1.7828328764
3.3802406845	1.406882966
46.0718900806	7.9897857645
37.9056484371	7.888315667
4.4450751066	3.0834591545

gene_expression_table

7.8717933749	3.5103244258
8.4371081306	1.6882650383
7.2334167292	3.7632567219
32.5912149255	20.5893101517
16.4629158553	21.4124877197
0	3.617740988
0	3.8430479954
217.4005273151	43.501837821
1.4612931055	1.5205044331
21.5408291561	6.7762226664
127.1534882261	70.0442069116
1.9761160411	0
240.7150795759	221.7264878035
2.6015188676	0.7734091238
84.4359522434	27.9545895643
0	10.0288216052
106.8927939357	22.2448140545
0	0
0.7683427809	0
0	0
31.242194553	13.0032490105
9.8490464389	35.8684479575
0	0
108.4677232665	24.6246142799
25.9499507815	17.1827332797
15.6748328436	10.8733161236
76.1451341937	83.8911399
12.9988974841	0
0	0
659.4240023857	196.0410690271
31.1487599525	9.5326182273
214.0602000588	100.2302459852
3.6505118455	2.532286609
0	0
9.9371416664	0
0	0
1905.3018541776	460.2242205407
0	2.2782594344
62.0961086674	32.3061157809
76.1572298797	39.6215534088
38.1486148216	0
0.8592281402	1.3410658595
6.0422721445	1.5717759749
11.3095260092	2.9419464804
0	0.1911462554
1597.3208876917	595.3590576978
16.6389348833	7.2138089426
41.6267774552	14.4378289388
13.7142981788	5.3512496313

gene_expression_table

1.6116621445	0.8784109704
1.6669309546	0.289079115
4.7099365204	3.891797694
0	0.0834606798
5.5998834769	3.6070603058
26.1093658866	19.4895938123
9.5869906944	2.4938634482
71.2902882714	128.3095483349
1.5458390451	4.3658638593
0.0594989559	0.0309549213
0	0
5.5283421733	9.0036776045
9.491434757	9.3822246491
62.8107398352	46.6827281807
0	0
0	0
0	0
6.4499754514	8.9484363594
4.2053464805	2.5004264834
1.8989298723	4.1712898958
55.5164384727	66.0182335334
1.7745903636	1.2309976257
1.0410161528	1.8053298929
2.2334845468	4.6479698591
0	0
33.9448627283	32.8844193999
4.8546320827	1.8942528304
0.3553046298	0.5545522621
1.7793976877	0.7543142259
3.1471457946	1.4034289555
36.3781715254	22.0070978722
1.3455799005	0.7000512752
0	0
2.2304319562	1.8645813073
0.1101572354	0
8.0233926695	16.6969981275
0	0
1.3621257187	2.4803079038
2.0298077826	3.3792883526
3.0683065574	5.108214039
2.4799722071	0.4300767041
22.1711409144	12.3787622488
15.557559452	7.9352690675
0.171435076	0.5351447813
0	0
7.4171481023	9.5336165379
4.7077953073	1.749483681
3.7305991884	13.197992095
17.2740361629	7.3019281274

gene_expression_table

0	0
1.7569411254	0.7312528226
0	0.0504617192
6.6959730093	3.7880425804
0	0
21.3381342001	5.679773632
2.6106742764	0
7.9523477821	6.4357809061
0	0
30.6074633328	9.7992837273
1.8185689613	2.7032243441
0.4046521356	0.8420971313
1.5188483005	1.8061620047
10.0838597208	4.1969823443
3.5250004653	2.5980482584
0.765753668	0.2655939552
10.3517465004	61.036785059
4.254891524	5.6922415013
2.5214642685	2.3851213969
0	0.3552734763
0	0
0.2056315516	0.1711709634
0.4383187477	0.7601322378
3.7356168067	8.5513632867
0	0
0	0
0.6339900353	0.6596791948
2.6963059893	5.1201466564
444.6713063101	625.7322040339
0	0
429.7504322949	568.6574125327
2.3082743368	3.842888301
2.5960477144	1.5435651943
0	0
7.541674419	7.8472616784
5.3532240843	0
0	0
1.6451539143	0.9781801418
0.4482981351	0.6996946395
0	0
2.7011973052	2.8106493228
5.0626592125	0
3.4932578502	4.2406046846
0.5133757201	0.7478486537
31.3216072734	25.6070202421
3.4836082549	3.1069400744
2.5229877783	3.6753062902
13.5719363128	10.477515468
0	0

gene_expression_table

0	0.0855460027
0.6610989858	1.1694072115
15.0682688711	12.2371374458
73.4527231937	41.39904926
0.5362909748	0.8680332677
1.1690959941	0.3041168872
6.3222418589	5.2627343484
16.7766304997	8.1047647942
2.2187144284	2.5856502881
0	0.1641097156
0.8097532329	1.2638464273
25.9977949681	17.5467378391
4.200538553	2.3414697868
0.3052240875	0.1984948196
22.6795469162	19.416502138
0	0
0	0
0	0.0245688125
2.5345592979	0.8790863914
1.9350875049	0.6040490683
2.4048499156	1.7036895262
0	0.1623367026
1.1763791172	3.0601144563
4.3070486642	3.8413452715
6.7186431651	5.2431610122
8.0394489166	4.647336615
1.6746981725	2.7880906147
11.7597975141	5.291373987
0	0
7.1118925293	15.910139977
0.2302151847	0
201.6787305488	121.0677205335
0	0
1.9449797589	0
10.9597818602	10.9080497604
0	5.3950941367
81.3808889324	34.6411749165
0	0
0.9500701424	0.9885668097
0.5707441117	0.2969352791
4.3057674864	1.0541732688
0	0
1.5178140665	0
19.7056472758	7.7583143425
94.9400881839	60.2194988658
0	0
0.0662980825	0
0	0
0.3180950582	0.2978857903

gene_expression_table

0.7649569233	0
0	0
1.2556009233	0.783886585
0.7825271583	0.4071175074
0	1.1315843349
0	0
9.3518960604	6.145789369
0.5877539087	1.2231391779
9.0795393781	1.8894881285
0	0
0	0
0	0.6251066208
0.4039801841	0.7005823114
5.1093734844	2.2784590104
3.4111462694	4.7324870512
3.8092224958	4.7562857883
0.2616983818	0.2178418816
0.0254966135	0.0132648658
48.655727225	37.9704362528
148.2761039755	59.9994206071
0.6383187105	1.3283665343
20.9744470219	8.891392789
3.2607157518	1.9387653451
52.0472607383	23.3856344799
0.5232735023	0.2177905793
0	0
0.8428376783	0.8769893059
4.8053256173	3.3823776505
127.0873930757	97.6034637245
0.2554677418	0
0.1518427191	0
0	0
67.1237375453	69.8435790364
6.9706859626	0
12.2393107732	7.1635755336
0.3756934314	1.5148012828
0	0
0	0.8353526463
2.9650530647	2.5709970576
1.0859945633	2.8249971579
0	0
0.3313104947	0
88.707771835	50.4777625751
0.5225892273	1.6312933398
2.8506939298	1.4831017616
1.0511061061	0.7291311547
0.5933202754	1.1112507067
23.8620297977	19.9605001761
0	0

gene_expression_table

7.5699948099	9.7671447119
203.7953379417	52.713761871
1.7688766134	1.8405511682
231.9814243478	247.617563149
15.2508949234	8.6243795537
5.1905616602	3.6005881756
0.3526374204	0
5.1807135837	3.812888273
0	0
0.1699687549	0
0	0
0.806298944	0
11.4141003935	17.8148964611
44.27273812	38.3888844335
144.8384260362	143.3418603669
0	0.4144269919
42.1475225432	17.6836017739
0	0
1.3645950666	0.1577653564
0	0
0	0
1.7872239317	0
48.659465947	29.3127644245
3.7755644965	2.357129805
0	0
0.6379033293	0
10.24527897	6.6627598676
115.3932276415	117.5983856666
0	0
1.1071895407	1.7280789857
30.2061888467	21.8264847634
400.7043447917	727.602591907
13.4391827214	5.438119529
0.965630089	1.4066601395
1.0225554749	2.3939757777
2.5325477938	0.8783887214
4.6415323911	21.057084032
0.7767589529	1.6164661653
2.4819174572	5.6814654507
2.2491748872	0.4680622079
235.498062415	125.7444160771
281.2771039593	117.069760177
0	0
14.1062294975	12.0091183531
0	0
6.9905308046	4.0733200627
1.1639448623	2.1530803446
0	2.2115252813
11.898176906	11.7612744022

gene_expression_table

19.5852346991	15.2841186033
531.5158944986	477.1436100311
1.0272831078	1.0689084302
15.1175566144	15.730117226
4.2942356411	8.9364745579
56.0827432798	154.224472248
0	0
2.048135543	2.2732006595
7.5676866601	7.8743279307
2.0303768319	1.1805970359
0.401175428	0.2504585895
2.8125291153	2.1948692081
0	0
0.2019166696	0.2100982959
98.6023906267	109.1118836548
244.8274227411	118.8822995966
90.189644438	46.9220561156
0.3256739224	0.7855626663
0.0216924947	0
1.4725268688	1.787558951
5.5148286208	2.2315566239
438.7700204202	635.5581898739
0.8751878541	1.1208003752
309.113154604	92.5261043487
1.3162556731	0.2739180221
60.7563052198	18.0623255786
1.7484615019	0
2.3965753325	7.4810523717
0	2.768393479
17.3975384249	15.755865251
0	1.7761975507
8.287807263	6.3409027117
0	0
219.4105686183	154.655546258
0	0
0.9649746916	0.4563978584
0	0
5.7755524686	2.4038307167
0	0
0.0967835953	0.3021157463
7.8035124218	6.5730980119
6.5290005241	3.3967772118
0	0
1.3155387073	1.0266330702
0	0
2.7825633793	2.3162498683
3.8963260637	0
14.8992552306	31.0059406207
0.3681398497	0.0425618676

gene_expression_table	
0	0
0	0
2.5975911985	0
2.6430747937	1.9644083557
0.5917401667	0.6157173693
2.3986204022	2.4958120595
10.396144571	7.2115962904
2.2740975129	0
15.2072272924	2.6372368906
2.3905589692	3.731135968
0	0
1.2610166002	1.836957865
6.8154101649	5.9096411087
0	0
3.0301084747	0.3503208792
0	0
0.820047072	4.5508012185
3.9747381592	3.360332477
34.3128069483	17.8515777853
1.8649168973	1.45536224
0.4772472191	0.7094074123
5.8377265794	5.7981669957
1.3613523653	0.4249542338
3.4757994075	3.3384352244
49.4584447919	18.1632324254
1.5041274889	0.7452735514
0	0
0.0946442819	0
7.6953729218	4.8043128097
3.3627012402	5.9982124723
0.0993539394	0
15.1236542474	5.2454873113
0.1244517458	0
6.8039247194	2.4624759989
0	0
0	0
0	0
0	0
16.0482045154	22.1510380116
8.1295953759	3.3836020337
2.1035326814	0.9380431879
0	0
0	0
11.09554674	5.7725681259
7.3466890363	9.5554694048
0.8089016127	1.8937758537
0	1.0129294363
0	0.2322490816
36.4990292381	24.1449302369

gene_expression_table

7.990973902	3.1350759665
1.5127620347	1.0493725826
10.9997271119	3.8151446767
0.088693785	0
8.0367078983	10.8218696535
56.5753599288	26.1634591557
347.6512391975	102.2303053156
11.1917975652	3.8817623809
0.6662902953	1.3865765108
653.3792823638	551.9372930901
18.1333912672	24.0140128377
11.8609157114	6.1707589165
32.117757229	35.5614168689
5.0687954298	1.4384132966
1.4561854749	0
0	0
3.7292425689	1.4551315468
3.3292551343	8.6603898489
0	0
12.610356848	12.3923636206
6.3496233852	0
3.1234874794	0.8125126543
0.3021957852	0.786101757
0	0
14.2130914968	4.381926918
35.2076359406	20.289734512
0	0
10.3219772908	3.0686348317
2.7312278251	3.1971337581
0.3220832349	0.3351339883
11.8797052809	15.5657902808
18.1008167665	13.0391020595
0.9369496556	0.2437286708
0.6200407259	0.9032305268
0	0
37.9919956382	81.9553918602
6.4539826494	2.5183113144
6.1221846343	4.9001957145
52.0962140776	19.3596939584
255.3422088376	690.0118584392
0	1.6844601278
2.0082049317	2.0895770259
470.7510331801	411.4536538581
16.6267146135	6.7279434559
0	0
3.0351673936	2.2107062724
85.9176457753	105.4908353033
41.1949937135	15.1285437448
6.188112356	4.8291401473

gene_expression_table

0.709886542	1.4773020282
23.3234241772	13.8677057326
61.8881946778	12.3838255645
0.81884227	0.1704043216
5.3247161278	22.161890581
3.1262708141	3.2529467321
2.1659709368	2.0488506186
3837.0828828963	1485.7970452011
28.2063215725	32.3853644483
0	0.9660073847
0.6329155218	0.5762409995
168.3921547581	6.4894582917
8.7369219868	2.2727351144
16.3378299751	3.9999613738
226.5449098288	77.0922788033
6.9104650942	3.595237934
0	0
2.0618183998	2.5239563551
3.9583341032	10.2968126814
0	0
29.7809818795	4.4268145406
51.2919773575	31.286048975
0	10.1580741391
0	0
4.9582227238	3.68509214
1.0209579767	1.062327006
12.053950506	2.5084748724
10.234472311	11.501104945
4.0526718323	0
7.4759564568	4.4787495725
4.7592707624	2.4760577689
26.3483976719	9.6762458457
0	0
0.6237719171	1.6226176009
5.0647428093	8.5636935405
0	0
2.7579530523	2.5109917021
9.4716543786	3.2851480236
551.4674281779	446.0407088218
12.7464078789	3.4902342053
41.4026995642	9.2314991422
3.0271728564	0
0.3378082275	0
1.0198723414	0.4642738542
1.3553513163	3.1025937848
17.9908042168	11.4553928357
0	0.3176200714
3.8504127945	44.0707389348
0	0.1692087177

gene_expression_table

113.0143012367	111.0606410378
1.785985754	1.3937651761
8.1014032934	1.8063579994
0	0
0	0
10.2048907376	10.3234357257
2.5137650706	4.7330309527
0	0
4.5964933318	8.9132926464
67.0494681961	52.3247252302
6.0917482726	3.8031508749
38.3415401375	28.6306243472
0	0
27.1718057008	64.5357443046
7.2675911795	9.2425332224
5.3016776309	4.2293171517
2.5429693241	0.2646009973
0	0
17.413361102	8.6970946987
0.9429959424	0.3532341472
0.8429617048	0.3986901627
0	0
0.3220334423	3.0157396034
0.846734748	2.6431328523
2.0155871451	2.0972583652
0	0
0.6235462975	0.9732184181
0	0
0	0
0.384041541	0.6660047226
2.5610245235	2.886863163
7.1742800792	5.708514567
0	0
0	0
0	0
5.2133854449	3.6164205757
2.9827432566	6.2072069287
0	2.441542179
2.7770343766	4.1279418548
10.061222993	8.5654651883
6.0586256987	7.4715497445
41.1210700731	22.3402655538
10.8083993113	6.1343747248
35.6425782265	18.1935289121
195.4921501987	164.5940942847
0.0672135301	0.2797480397
10.0903411956	21.4022153106
31.5311943765	45.2032804288
5.035949556	3.2750033157

gene_expression_table

0.6678818253	0.4169665643
12.8116663321	7.057478485
5.7589862601	5.9923393234
0	0
2.2846979126	2.3772734515
1.1500078324	0.9204661062
7.3489164102	1.9116732876
0	0
0	0
0	0.3001113323
0	0.9744398634
0	0
2.1820854491	2.8381289373
1.4182023382	0
0	1.6724375536
12.0221767741	10.5848034467
4.3873714097	3.1604863097
127.3020453706	109.0849536156
0	0
74.5808294608	45.6016635444
0.2187384206	0.9104066446
0	0
2.5316399472	0.8318594311
5.8624795197	11.6917167124
3.8214955167	3.4792990853
1.4050295015	2.4366017306
2.020381369	1.0010699287
0	0
1.1202079304	4.2738613482
6.9637072055	0.9057344175
29.2836142188	13.2229086826
0	0
0	0
0	0
1.0252549138	1.1637796955
50.9791702789	40.8037206737
0	0
1.0331183605	0.9406076105
23.2930806044	11.9320181875
6.1118215164	3.4243307535
9.3026789894	42.3483455056
4.5299408652	5.1293896972
0	0.3370622921
13.707082048	7.5507302593
0	0
0	0
0.4069462986	0.2822904584
81.7177625373	97.1759442687
0	4.3058933587

gene_expression_table

8.0516362522	1.1968410102
18.5604855877	8.5202439916
109.1737070866	12.1711506005
0	0
12.675099125	9.8915188565
50.3507926168	44.4529675474
5.648161451	1.3060053141
4.216747615	0
0	0
0	0
88.8975500755	80.9372046376
58.7010877382	45.2441814884
2.2806331702	10.2831906948
104.2175248686	53.157058723
0	0
6.305178424	10.9344384887
2415.3426860388	2420.1300039044
376.968027038	202.884156265
0	0
14.1959166663	23.633812155
0	0
6.5675531289	6.4316886333
83.5056013759	114.0421182789
0	0.4823319209
80.1663815975	0
0	0
66.6583462983	57.1194484179
15.8355490088	3.3923652288
4.8373255659	10.0666662151
0	0
0	0
12.6112132805	13.7951515431
17.281537462	12.5872475255
1.4805727488	0
165.7649434747	132.0717082038
22.6927547947	28.6720312657
27.7921264233	2.2244814054
0	0
1.6138472375	6.7169601222
4306.3875541233	5489.0799418978
32.4359373363	31.1540635822
15.5404910549	13.4751574102
70.804667635	70.7267133465
694.1105835618	191.3616266354
2.0579491921	3.5688948577
21.8899230429	23.1442680295
5.205454117	2.2066725836
0	0
0	0

gene_expression_table

0	0
12.7480900273	9.8256594733
0	0
5.7689545031	3.0013557389
0	0
1.832783786	1.9070478477
993.2633222102	908.5634174147
12.4455463589	6.4749188034
11.874800837	17.2100949168
0	0
8.0914463301	4.4727585683
0	13.3829425434
47.5161327992	28.2522730028
2.9562864244	0
11.5713933057	15.7449606582
100.8519648605	4.9970699007
0	0
0.9896814753	1.8021205764
32.2083234916	53.6214381305
1.8352058339	0
3.9170853031	4.7551056918
348.3885695033	15.1043837591
72.9866351185	32.185807488
6.1906300737	5.8279996206
4.047025639	3.3244818734
5.4776533632	5.6996068693
0	5.1112255138
0	0
0	0
4.4788884207	0.9885637905
2.9085078495	2.4210880418
97.5650506294	87.9000507951
2.2452581403	1.7521766902
55.371583519	72.5089627892
7.5748120794	5.911306553
0	0
0.8402030137	3.0598675983
0	0.7090506054
2.3496620634	0
0	2.9158502637
8.5539840403	2.9668632998
0	0
17.735830752	18.4544833498
0	0
0	0
0.6447396825	0.6708644158
9.8070246135	17.8577060303
87.5727887999	107.2014377462
1.560980945	1.1601654326

gene_expression_table

8.7392128874	6.8199931388
55.8043920455	89.5177625996
35.0096356609	121.4273988477
176.7003654114	380.6683670327
0	0
259.6074143205	206.9055260179
0	0
0	0
0	0.6532486647
0.7596269073	0.7904068498
0	0
112.9547214725	262.4872980603
0	0
0	0
1.8795211782	5.0847654791
0	0
1.1705782846	2.1924178222
3173.565712653	5324.5546432888
0	0.0796867305
46.4816093233	52.2342384243
0	0
14.0345179169	6.8148238666
3.5495839172	14.0349671361
0	0
1.5806928954	3.9747938449
9.2811708901	13.215173573
18.3686747744	16.928630656
0.4933270152	2.0532661404
30.0412140649	18.3239356898
2.6239016144	3.3152691159
0.1292955995	0.8408414584
13.7553335325	35.7817427888
4.0745422037	2.7254840811
2519.0654124357	3414.1995884369
12.4067988034	12.9095200074
0.2756801035	0.2868506105
20.8531793488	14.465430892
690.7672666859	231.3905929
52.7556744446	29.0611718806
47.075103318	12.2456444601
3.8162204313	5.7356765278
0.7821821652	0.305203516
0.2306676805	0
0	0
0.4519209919	0.9404654945
1.9917303547	2.7632465362
44.3743530187	67.1598452886
2.8782573219	5.7175053961
0	0

gene_expression_table

18.4755872197	31.4949898986
12.8504152054	11.4966567581
0	0.5315030844
4.7820325911	5.8050996168
8.9258631894	0
0	0
0	0
65.8012429289	46.5227865465
95.4688091314	153.4309404588
1584.202014402	2646.9397045335
1.0979344665	3.2844648859
28.4179861074	60.8355647231
2.6079165218	2.0351916145
8.1569195177	12.7311545928
0	0
0.5181889524	1.3864779601
10.3550967103	6.0607593693
0	0
0	0
1.5208730817	0.7912492895
10.0489969294	5.0344572467
666.3424711309	524.0817070265
0	0
2.8580519787	0.7434649297
2.8135856716	1.4637958226
6.44937031	4.2704439323
0	0
0	0
0.5618349541	0.5846004031
7.5778259874	9.8560976272
0.3004940895	0.2233357533
40.6271328003	21.568028951
1.3681140308	0.9964848316
0.0183908228	0.0191360155
5.0361397929	0
0	0
0	0
39.0934323461	23.845425776
0.2481104513	0
1.5221580722	0.7919178186
0.9617399847	1.2316424761
20.5802499134	19.1600359729
0	0
0	0.1617717872
2.11593646	0
5.3938381435	3.1429414645
0.7883624111	0.6941056784
0.5023993541	0.5227564834
15.7680597489	5.8596352242

gene_expression_table

4.5359105854	0
81.9841491605	77.1385234319
1.0384052202	0.9904411079
5.2869881265	0.6112462125
3.8114441248	1.5863532557
1.2486577682	2.1654219186
7.1505091403	2.2546201378
3.3212265973	3.6285921921
5.4564802	1.5484297564
11.3687337965	22.6301427431
14.0703978697	9.1928895499
14.1061364542	13.8389879639
0	0.1675168103
56.3264635548	60.701972973
4.3960863842	2.541230553
2.0752909806	3.0231339449
8.7302314921	18.7241197021
0	0
0	0
4.9422480775	4.2075057764
0.5783182226	0.6017515705
10.6836724747	8.0847803033
0.2957685602	0.1025843493
1.8832169256	2.6126993717
0.2561930077	1.5994434076
12.7890061507	4.7905971574
2.5722814432	4.4608496897
0.4733531383	0.3940266563
5.4888551894	3.5146231332
0.1193046053	0
75.2918068128	39.1713084837
0.6671082548	0.9255191447
0	0
17.0378991141	2.8491865152
1.2176967976	0.5912842356
13.1847037617	9.1459636877
19.8624393022	10.3336308435
0	0
18.6300576574	5.8154832495
3.6898146355	1.9196626227
0.7946870088	0
7.8838966645	4.1016753532
0.6939385194	1.3538564634
0	0.3960222121
11.191327815	5.8223991792
10.9132852486	0
135.9923612745	175.716058083
1.1394589111	0
4.2552226375	2.066233622

gene_expression_table

14.8343146991	19.8455122291
3.2358420533	13.467831111
0.8191803851	0
3.0807798095	5.230209771
0	0.2713249132
0.146271683	0.1521985847
22.7141116419	7.8781610883
24.2380426795	11.6400755575
10.9829626887	15.7134866837
1.7457140765	0
0	0
1.0989571732	0.8576150367
0	0.8141913206
5.3120080786	6.8027688225
7.1147770625	3.7015332598
60.5591724968	15.7532547551
0	0
7.1921674817	3.6547778714
78.841420547	75.5595293128
0	0
174.0270114018	184.2005979063
0	6.889087229
0	0
44.7622285814	18.9921495679
0	0
4.2504193818	7.14427365
8.0411561343	4.4295788652
0.5254563867	0.9112463046
1.3161101386	2.0541580187
347.0034200306	185.7901800139
0	0
0	8.95883883
149.4617984339	67.2510110261
2.9402905207	5.0990509191
24.9247571603	39.7297589101
348.2368983803	113.2335604404
22.9842582883	30.1544221701
32.3427201836	8.4133103132
15.4893914551	5.7189421357
27.0811621641	8.0509959631
38.6581390433	12.798723548
1366.4238015595	1459.4045621504
0	0
0.8706832185	0
0	0
29.1968461857	4.7257617586
23.9540915015	16.3440700855
0	0
81.3303395538	26.7981794821

gene_expression_table

2.6908746285	0.9333027911
0	3.8430479954
2.7942632051	3.738196589
29.9008823302	27.3575084401
30.8214846925	12.6234417707
277.8603502303	146.3894685981
0	0
0	0
10.3513892726	14.361100881
0	0
1.2760020348	1.3277054024
0	0
0	0
11.4467681108	3.9701963493
0.9154354304	0
29.1945018278	1.8985911043
0	6.8713424036
0	0
97.6420331615	15.131687077
101.2620242352	30.8828866886
0	0
0	0
0	0
0	0
5.34309743	6.11555863
0	0.468251804
67.1202918362	27.2170563715
10.700895306	9.4214945967
31.9716094258	14.0745394119
17.2368499944	7.1741135935
6.9658296954	0
7.9224584191	7.6093615164
15.019455544	2.0837388158
0	0
0	0
0	0
210.4597615618	204.0565828856
372.4940141452	112.8895348662
26.7658133476	35.8076046576
14.9861390059	10.1695921306
5.3463543711	0.927164611
0.3399756528	0
0	0.9772223036
4827.5964662126	1607.6325799333
18.5150317475	12.1095903822
0	0
4.4197630467	2.4346858404
2.5000041632	7.6508937404
732.000188708	2056.0018306639

gene_expression_table

2.008628527	1.0450088926
79.097945075	40.1477947568
16.9684765639	12.8407535355
7.0019271322	7.2856439309
41.1770307802	7.560973498
93.5913496495	115.5936054562
28.3982110488	0
124.9843993093	86.6991627772
1.8613410672	0
15.1496241587	63.0539365653
179.9808073837	68.099489663
165.3737599004	231.6389845193
0	0
1.9104191877	4.969572554
25.966092488	31.717057042
3.1549766328	11.4898549686
0	10.7633969928
151.2913983011	53.5903652477
4.1557572505	1.0810369424
108.2116011336	73.1876049418
156.8431677607	81.5992120256
9.9735686838	3.8916359442
1.9813633372	2.7488637532
48.655727225	13.6304130138
21.2920612111	8.4399282334
0	0
73.0425784766	8.085345778
1.7254697219	0
14.6140904962	8.6892861448
13.3610210901	15.4471191173
17.1407176196	0
5.808500026	3.6263156268
1.849232139	0.2405203356
0	0
3.632013638	0
1737.8660237811	1539.7270002772
27.8450284903	23.4545793637
1.6853043252	1.0315250272
0.2002618138	0.4167527713
45.8174554367	10.7941064826
75.4535178973	30.1964925212
6.7852551199	56.4815392686
35.4659996267	18.451537702
4.1651053673	26.0032480212
0	0
99.10082783	65.1261316637
778.0866650735	147.8426649064
10.2236727451	2.9012547499
8.9612618536	6.993277901

gene_expression_table

0.8695776756	0
0	0
7.6146157526	0
7.4289348139	0
1391.3308313989	751.0661935504
75.8292215652	69.6192420588
3.8461915815	6.0030578347
8.9299629505	2.654800973
20.666747073	11.2195616664
0	0
107.3273235066	37.2254023005
11.3091771436	2.13953144
36.4089412373	17.8278705107
56.8103888858	32.1262692323
7.3350880649	2.289691345
0	1.0244495188
0	0
0	0
35.0920316819	25.7745560096
13.9240753756	11.854044284
135.8641453214	75.1024594758
0	1.2208570411
21.6095784412	26.2327270128
35.8721069532	33.1783449997
0	0
14.8167288228	7.7085499738
19.0148180906	3.957059004
0	0
4351.4263546062	3679.4816223122
52.0158769398	40.5926630248
27.4227374012	24.1440706468
19.4831487622	17.4569631469
0	1.1848599238
8.2538814139	2.732649554
2.1639509901	0
19.0680243741	3.6073922204
0	0
0	0
24.1103604544	2.5730572126
3.9668142287	9.6309472259
13.4322893178	3.811789966
2.5211174848	2.6232727013
81.5748993161	60.6287851589
162.1419234283	37.4915298496
1.0028637284	2.0869991642
9.0925298073	4.204869974
1.4410122854	1.499401838
5.1979371724	2.7042783149
46.2065960263	33.2853776259

gene_expression_table

4.3790793784	4.5565188689
362.2736211864	164.5850609978
59.7475467269	10.3614177206
1.6360285269	0
0	0
1788.0254684045	757.9716757136
29.5662019871	19.5772303045
0	0
0	0
45.1332553061	54.1869767358
108.2116011336	42.2236182357
13.902050533	6.1994395979
14.8063852284	61.625348931
157.9581665836	97.1209923399
0	0
1.8066550926	0.9399302122
61.6880518361	30.5655430204
177.0260283151	184.1990904007
0	0
40.8350429482	33.3847417929
0	0
1.5768912353	0
118.9398394974	67.6808452594
2.7709655096	0
39.9543270097	45.3526570761
0	0
35.4360047014	30.167889619
21.4225306268	2.2290567625
35.9305445765	22.4318661778
0	0
0	0.988024647
171.6637285812	146.5595989895
10.5941427683	3.149547281
10.117804781	2.9243823246
0	3.0200875303
3.3568178581	6.9856709997
0	0
5.2072764861	5.4182743709
12.4800318839	12.9857204789
12.822343477	2.3203308652
23.5114594421	7.5722336397
11.6012746884	5.3650472016
1.0667383545	0
0.3374046947	0.5266144063
5.3395022668	5.5558579159
0	0.3155651666
157.3522485649	46.0485373264
0.3780017823	0.7866366899
0	0

gene_expression_table

1.5599837655	2.4972215701
106.8189648755	165.4284646284
10.104342322	10.5137684132
0	0
41.1907154033	85.7195112204
3.3295877272	0
41.2681295764	5.3675383239
389.2131629498	195.5095214305
36.6082240772	35.370755252
0	0
208.7572400271	69.9086121746
0	0
0	3.0025684079
0	0
6.760481369	24.6204519043
22.6869371684	21.4601888062
1.2224608696	1.2719947591
208.4003680608	92.933448265
5502.2008631318	7266.9713422959
108.3637439823	67.0432893181
21.0798588225	13.9580068869
0	0
12.7933260975	14.642880248
6.4292386476	17.5605943125
135.3945850032	103.5042235112
83.5034809398	16.438086117
4.62006836	5.8193300859
5.0804945351	3.8179232279
21.8715863921	3.2511170067
0.3323832174	0.2305675494
7.0054139898	2.0185676516
4.9737611027	18.113539455
1.1136699945	8.8841003492
11.8779559285	10.4281159358
37.1562688396	22.0924765796
0	2.3590966988
1.9967632312	0
5.2903449443	0
2.4928326963	0
8.3038230369	4.9373099531
0	0
172.9343889814	53.1645809483
2.4891092718	3.0470206134
0.4376319382	0.4553647038
0	0.0220926455
29.7136198819	28.4442014675
6.8907486663	5.0189723738
0	0
9.7141279945	0

gene_expression_table

0	0
5.4557494106	2.8384076863
1.4512608597	1.7617432963
0	3.4846930377
3.2117281077	2.8962845075
2.1641617577	0
114.8150649823	45.5113715366
20.3848153817	7.9540516309
0	0
0	0
28.3429875671	30.6257263686
0	0
0.7028505514	0.8532182475
0.3390073962	0
10.8917248597	5.9240972174
0.8550984722	0
15.3381229764	26.5993681607
0.927762912	0.9653556945
1.189987616	3.3018818538
5.8604178676	2.5407837171
0.2627654774	0
5.5246083837	4.9272552845
0.0842871782	0.4385123957
1.0013572031	0
2.9229621326	3.0414000202
4.1259726989	3.1633783656
87.787557211	49.5871189876
1.9590798904	3.397435745
0.8345228391	0
26.5035020149	25.4560791125
1.860509833	0
0.2101023945	0.1093078524
1.5906445611	0.827548593
0.9780547921	0.5088426961
16.8081019062	83.4098547938
0	0
3.1985770777	3.3281828321
3.4712464874	1.5802065808
0	0
1.603083426	2.9654045714
2.1546778851	0.8007089416
41.9621955042	30.2726638537
0.886697168	1.845251948
0	0
7.8135124055	3.97052103
360.1455892191	471.2737236708
1.370781161	0
1.2780010958	0
0	1.6131577408

gene_expression_table

4.0640376965	3.7001227865
0.8094836323	1.0528547001
21.4957582387	3.9141834211
0.6213492384	1.2930523904
1.3890499488	1.2847413307
0	0
7.3634709015	3.2836445945
0.6026067166	0.2090080766
0	0.2928481626
0.7657478035	0.5975818227
2.8496027658	1.0263697426
0.1799611945	0.187253189
0	1.6735674699
44.6317889419	44.8388725113
1.7275185872	3.3499186462
0.831483214	2.5955242823
0.2769146732	0
0	0
175.446249627	105.1518524376
11.6228517647	5.3750255907
1.8924127384	1.9690929543
4.8313921826	5.8005684285
0.082280846	0.6849188055
0.4798878815	1.2483321255
6.7672589229	13.8628881739
6.571807234	3.6820515058
0	0
7.5484190059	12.0835070073
1.0689107984	0.5561114336
12.2017840561	7.6177188602
66.9344509083	47.8820529961
46.3173222686	40.1617430352
48.3349907239	102.8731001971
0	0.2669473575
7.5404700101	9.5382848031
12.1826058737	4.2254142738
5.3347406317	3.5684378615
0	0
0.2152240966	0.0746483125
0	1.7831995635
0.5154155255	0.1787666892
0	0
35.8207920306	27.8560980957
0	0
0	0
0	0
0	0
10.1719659942	6.8040849755
0	0

gene_expression_table

3.406434362	3.2222385958
1.0762753704	1.9198043149
3.1519470621	7.5684539467
59.4208827762	197.8515392313
2.8090327138	3.6535677529
5.7282368261	1.1920687856
0	0
2.6466194775	0.6119688915
1.5720978509	0.7270217629
20.860533981	15.5041421275
0	0
82.6616397548	108.9473606328
0.6159066628	1.6021577185
0.3913344584	0.4071912586
42.4536824755	39.4409802462
80.4312383512	47.8230270433
1.9448889611	0.4047391008
0.2486175622	0.5173830001
6.9905047388	4.8491724695
7.8917370656	25.045101837
3.1019837483	1.7087694135
0.1818022662	0.2364610757
5.3791435037	4.1978290564
14.0038542643	4.8570959539
0	0
0.0544121338	0
0	0
0	0
0	0
4.5544101051	4.7389539643
8.4675088187	8.2599475478
21.1539180777	18.3425591207
0	0
0	0
2.5301125901	0
0	0
118.0891914365	18.7435134517
2.1113121214	0
17.2536170352	8.350107173
0.2699206589	0.1404288972
1.9427878492	2.6953456737
11.568039074	3.4390782538
3.2053445998	3.3352245731
3.4795211389	7.2410213901
0	3.3598900479
12.6199065313	12.3105588949
0.1935300995	0.0503429759
2.6612243013	1.9778975858
0.7933628457	0

gene_expression_table

1.7104915983	1.5255432026
0	0
3.0273256128	4.7249884341
26.9005639578	29.9434003135
1.979196434	2.0593931092
1.136591204	2.601820475
3.1649231919	1.3172661188
0.3264877273	0.3397169499
2.717977847	0.8170095004
1.4688556105	0.6550171584
2.7356441317	4.9813608746
16.6893822282	9.4270578732
0	0.1273536231
0	0.1392455657
6.4735463278	3.7421406853
1.1185912879	1.163916401
12.339567993	9.6296737627
17.0255277632	42.5169576349
0	0
0	0
0	0
1.2667872729	0
18.0743889095	9.4033799108
30.5575989265	19.0774723265
1200.4504585987	268.9018555372
53.8285821634	44.4214912871
0	1.6619382331
3.2139993394	0
0	0
35.0418432374	15.9520078707
0	0
0	0.1640010646
0	0.2427731933
0	0
10.2662493375	2.9910260439
1.7156550665	1.785173094
0	0
0	0.1758701809
1.8306697325	5.7145443992
21.4877628912	25.7982035639
21.4158446892	30.2420431938
0.0476911818	0
6.7117429516	1.3967403081
16.9183620046	12.3227236435
1.1760839293	0.8838112354
53.1451658568	13.2929322586
4.5724048111	0.9515355625
0	0
4.2488474239	1.8947185455

gene_expression_table

1.5702346765	2.2874044152
0	1.1343974718
0.6877595805	0.178906868
0	0
0.4113595462	0
11.0412685182	12.6375245551
0	0
0	0
0	0
0	0
14.2967864433	8.3131088934
697.3949222602	424.3226550393
2.3979680271	2.8789999041
0	0
2.1435619609	2.7880233713
12.4966740965	31.094218987
0	0
39.4577691819	23.5178529407
9.32769119	1.3865210743
0.5567295819	0
0	0
0	0
0.9400680642	2.9344783475
1194.8432710905	2512.8285417985
76.8248324606	43.2996202883
33.0444822254	39.6731983422
48.4806530266	27.8775443014
10.5420172328	4.875190147
28.8015668416	11.9874404116
365.9099937956	87.0255084339
45.10036962	2.9329892685
10.3350851442	1.5362658417
4.9256148894	2.5625999491
3.1877676289	2.2112902577
2.6172859139	1.7020861609
65.1191660108	61.5979842112
0	0
0.919395031	1.5306379976
16.7501002442	16.5115053694
0	0
0.1084503327	0.1128447202
11.2533384162	10.0365613865
2.2946390414	8.4999179193
5.5622085046	3.8219921874
0	0
0.2026754871	0
2936.3856138584	999.4857329396
0.8657795477	1.3512911634
0	0

gene_expression_table

1.8746371083	2.9258955884
2.1155335396	1.1006272846
0	0
8.7524089152	22.1171333615
0.8226378662	2.5679130034
0	0
13.7458783953	7.151429429
14.062942257	0
0	1.8837406361
0.4846047044	0.5042407978
1.0372579718	1.0792874739
0.9536899	2.7785330698
9.1229488547	3.7970436253
23.9516306982	23.9252605111
0	0.0539521164
0	0
100.155522259	30.2556209769
27.2506171251	25.4614594507
11.3585302845	4.7275103364
1.9456610128	2.0244988389
0	0
0	0
24.2924002545	26.9618387645
0.4693236177	0.3255603495
0	0
12.1525269322	9.0321036334
0.6273490532	0.6527691214
26.505270723	10.0288216052
27.4902450917	13.3486008895
1.2207594004	0
7.8506555682	8.1687626869
3.2060537673	2.8355681045
5.1740118058	1.0767323624
5.7282278761	11.5142827797
0	0
3.3476469615	1.7416465001
0.530535151	0.3312194026
0	0
0.3768307572	0
10.4729679327	2.1794661332
0.3223573695	0.3354192308
25.1109904245	34.6838271702
0	0
7.7437669956	7.4679666913
0.8047317651	0.209334837
1.3869625813	1.6836890581
17.9668218201	10.4691071147
87.8110533789	77.8329720483
10.8150152183	1.4066547056

gene_expression_table

0.1492359946	0
0	0
0	0
2.8942416742	5.389028299
0.9380924272	1.6268395995
0.4924717259	0
0.5027226809	0.6974572152
4.6144568586	2.4007169006
1.8762435314	4.9891308002
0.2305723904	0.2741887328
9.4560905484	6.1495309981
0	0
8.5285348748	4.4370547691
1.4030650771	1.5926367445
0.8547695206	0.5929364162
0.091529339	0.0476190455
66.7728139794	43.0104604505
3.6822390604	1.2771475698
0	5.1054566362
0	0
26.5264279236	5.3421820453
22.981907339	11.2532376445
0.6629504943	4.4837853209
0	0
155.0879501969	189.5521105794
0.1191595811	0.2479758108
2.3221229822	1.6108099853
21.0804042561	8.2254668838
2.1455075928	0
4.5945019013	0.6829528961
21.1598870162	17.9400073467
4.1981575953	8.7365323368
0	0
19.4998672766	16.6828874991
0	0
0.0947917918	0
4.7702314021	2.2561455912
0	0
52.384749355	44.1250136131
24.6821820408	16.0514371965
2.432076266	2.5306235487
3.1242194553	0
3.8473015294	6.0047902189
1182.0900511376	1079.9895709275
10.1304477657	8.2494247654
1808.7224411084	2349.2394648276
6.0324295293	2.0922874878
40.7056114532	3.0253568098
28.1029218427	15.7812063517

gene_expression_table

0	0
3.9658701986	24.7593991748
1.4430712309	1.5015442116
0	0
40.1200132941	26.3656855886
64.2897756176	77.4571200446
20.7701536035	14.4078376032
9.571542115	30.4314365662
5.9283481233	9.2528455472
0	0
2.5453775125	2.6485157409
40.5540294776	32.4594394524
10.3349834048	8.3640316902
1200.1148256144	1189.7475130191
13.7553335325	0
1.7523224579	3.6466524827
10.8129684706	13.1262926234
2.7993594111	0.9709296464
298.7416143532	405.4520472825
20.3488608875	17.6444941545
650.9122116318	561.7309694934
82.9560120503	16.5994950751
4.7215148249	2.4564148683
1.3615970728	1.4167687356
2.1341597713	1.1103177662
0	0
0	0
3.8242830548	1.1369263715
1.2877356135	1.722747116
0.7860654045	0
0	0
0	0.2203702428
24.4076785028	102.6025594997
2.91810823	2.2772620788
2.0734834608	2.157500629
3.2115217912	3.3416520631
0	0
0	5.4536350229
0.7460864333	0
0	0
0	0
0	0
0.4925978887	0.341705243
0	1.2938242468
38.9980751665	33.2004027229
0.1470980111	0.1530583954
0	4.9471704866
0.3050334342	1.269573331
0	1.3731257963

gene_expression_table

2.5551344027	0
2.2332600609	17.4281351067
75.8515547318	75.9653565527
49.5026930091	105.0774073583
0	0
422.0691700038	689.9847612253
0	2.4175437512
8.0476091148	10.4671209438
12.9082777495	30.8130254551
9.5069269252	3.2973819515
2.6320124101	4.1079916028
0	0
1.2350542188	0
0	0
0	0.8176852096
8.0990409091	1.6854425112
33.6122234519	9.2037327789
0	0
4.5933259577	4.7794466801
0	0.2982806989
0	0
0.2845983729	0.8143581781
0	18.1189472889
99.8497955915	71.6522006423
0	0
0	0
0.61017111	1.4814219724
0	0.3478262167
2777.4310957624	2788.5695630105
0	0
0.5925976468	0.4624571958
2.0468350379	5.227623205
1.0015979429	2.6054562681
0.5886986337	0.306276297
202.0344872162	308.5500122303
1.7795897181	13.2264168997
13.0223386312	2.0846155994
0.5349100139	0.3339506816
0	0
13.0980009232	21.1245307403
1.651267001	1.718176036
13.2607243842	0.862377906
0	0
0.6068500034	1.5154546893
0.1050710679	0
4.5444741136	14.1858461048
28.4445562485	34.7000769208
0	2.8632484405
0	0

gene_expression_table

0	0.707084474
562.6280241568	594.2026037679
0	0
0	0
0.0983532813	0.1023385382
49.6979386603	17.2372299959
1.8485398308	1.9234423245
0	0
75.4254450926	41.5491195418
4.5461514181	0.5565130161
1.8337689118	1.4677483774
0.5292646826	0.110142078
0	0
0.153444993	0
11.3913719266	10.8222570709
7.1216181943	0.5292989181
15.023066207	21.8845173186
0	0
256.2649636744	361.6615539625
0	0
15.3819064839	24.0077677553
0	0
1.7358763528	1.8062137431
7.3744985071	8.9962966274
0	0
4.9000835477	3.2332801173
0.5926766809	2.1584214082
0	0
5.0827327901	8.8144736455
18.5558565713	8.1686577349
0	0
9.9095658521	41.2443985462
0	0
0.3347230071	0.3831145139
11.0574527881	39.7462683742
8.8400041949	7.3585596303
24.3507162138	14.4785158588
30.6634934517	29.7789077253
0	4.9655877879
2.444174669	0
0.7170648268	0.3730600808
0	0
0.1943924758	0.5056730578
0	0
24.1558181921	10.6631668179
27.4326065601	3.0046495504
0.694859617	0.3374070937
0.803697896	0.7433454105
8.6270508583	8.9766173712

gene_expression_table

4.9733900096	3.3636920573
0.7334281	0.7631464716
2.1347065362	5.5530111303
0	0
8.7627640723	4.1790052607
0	0
0	0
0.5742250982	2.3899703739
0	0
3.4001429994	4.0433327633
0.6620047971	0.9393124222
1.6223641518	0.7033758536
9.5296427418	6.0016575939
15.9384993806	12.8989190104
0	0
0	2.8794142404
10.2174043989	10.6314117446
0.2599840336	0.2705185387
0.9986302354	0.3463648496
0.1424059924	0.0987841713
0	0
0	0
0	0
0.1294695481	0.1347156304
3.9660589687	1.9258227091
5.9468776307	3.627356838
32.0358730875	39.5069164667
5.0335496935	4.8128453736
0.1267914951	0.1319290631
0	0
5.9846703337	1.6983185657
5.9844749541	5.0947893637
2.634092559	2.7408255047
0.0280568906	0.0583875013
0	0
1.0395966992	0.8499236162
0.8409143516	0.4861044702
16.4565935176	15.2208103628
7.138851041	3.0113983667
57.9144064943	53.1715478702
0	0
0	0
0	0
10.1958721394	3.1434094821
0	0
0	0.7095728836
2.286814172	4.1640820573
19.7848823538	19.214124669
11.0231142	2.4578075911

gene_expression_table

78.1347832641	71.5446954651
4.730076926	1.367149659
0	0
13.5926481032	14.1434197026
0.9782557426	0
0	0
0	0
13.7714371527	2.9853027607
5.2549412835	6.0754117079
6.8899889366	1.19486167
34.1929159387	20.8829777866
1.9071396858	3.9688332697
0.9540611768	0
0	0
43.5622318181	22.9658651531
7.6689307752	0
0	0
0	0
37.9103382324	30.1038759643
5.9681214454	2.8979760264
13.8709726774	25.9794394871
6.672507137	3.471437949
7053.4867774202	2614.8838399124
261.1888845022	298.5666532726
189.7164084966	58.0374462913
0	0
10.4186224286	12.6475802738
0	0
0.9342474269	0.8640915206
16.8280591492	5.0028368596
0	0
8.3501322061	0.7898616387
0.2349905039	0
74.6971863535	100.6709595535
0	0.9220372517
0	4.8934196572
0	0
0	0
13.6424131139	19.7155571978
7.0542004279	0.6672759392
11.8173318927	1.1178334551
100.2588079867	92.0481850885
7.8466715063	2.7215390638
1.3914081804	1.6086530931
4.8396465929	1.3136734388
0.6838633214	0.7115733373
5.2184645073	6.0332396985
0	0
17.2253679994	33.8551916208

gene_expression_table

0.4581959465	0
2.4025725706	1.4285282109
12.0437869727	25.8990512753
0.7417361719	0
6.2973950375	2.839444541
2.1365539376	1.6673450324
223.0561375381	160.5138365153
0	0.6916566636
9.5459676091	5.5623503374
0.9137789425	0
11.2244633417	6.4884869613
0.1339091065	0
0.1495205317	0.077789538
0	0
1.0131063636	0
2.2017378162	1.5273012182
0	0
2.2718653308	0.4727841792
64.2479407954	36.8834513277
0	0
0.854681843	0
21.9855114288	0
0	0
6.5625833189	2.2761659957
14.6902208873	3.0570931868
0	0
0	0
0	0
0	0
0	0
36.1548106591	64.62888191
0	0
1.1032496905	1.1479531649
3.4416742203	0
0	0
0	1.4917909886
8.2043061119	0
3.1131303147	0
2.3048158095	1.5988043479
110.8860323403	32.965461132
3.2824981434	2.7324034912
358.2886113534	446.5006883028
17.7850443699	11.566056934
5.8789905364	1.2234412302
2.7581242262	6.6963934618
410.3591889235	350.6152328529
60.2106462383	77.567125433
2.4298303632	0.8427622141
24.1910166207	9.4392120607

gene_expression_table

0	0
0.5828714634	0.151622327
247.5404803198	302.3656924176
0	1.056920185
0	0
22.7925177847	10.1640284616
0	5.3435539462
0	0
4.5556551598	9.4804989368
5.9635651927	3.723124654
0	7.4934453567
1.7013794711	5.3109571624
7.7599937483	1.0093034083
11.8582631259	8.1083265314
971.5365414686	1338.836711846
27.9888924665	38.8306629839
15.5673964713	26.5650225982
53.9501004213	0
0	0
11.801131874	22.391685796
27.3793558814	24.5592778815
49.5478292604	33.9884395427
2.7916686057	2.9047865037
0	5.6555226861
2.6476940856	1.101991265
136.0744684914	113.270544728
0	0
775.9214264219	422.1230804091
17.9613996277	11.2135153409
17.9079492676	8.3134416339
63.4036267898	10.995455013
11.5232821767	0
11.0303061786	6.8863512929
6.9171145361	6.5430861309
2.1785671834	3.0224564329
0	0
52.587135844	31.6788171583
14.6366752225	29.6980136868
0	3.9633902984
0	0.5631827132
186.5974379582	343.5108947246
512.5159549103	131.9649475133
22308.82707972	26993.2228437573
7.7908305631	4.0532567918
36.4142711189	18.9448853413
0	0
32.9221358334	24.9135525222
827.711253704	741.196936446
9.0189348614	9.384380442

gene_expression_table

3.4220620308	6.2312658703
57.5375751296	35.477918272
7.2859499233	1.6847056163
4.0556307069	8.4399282334
26.7163065009	32.6334282924
140.8195586832	84.9848139442
0.9345850807	2.9173628886
0	2.7734856934
6.2524578454	21.3762206558
10.5906160896	8.3959968795
20.2485863604	21.0690553529
3.8153709747	0
3.2341935566	9.2544168317
582.6483271577	470.0689342368
149.8590764908	137.1928087174
316.4695118141	448.2388659723
4.0091869736	0.8343276984
0	0.9812592697
0	2.1827583781
0	0
19.526269909	2.2574967524
0	0
0	0
4.5365015932	6.8182397151
12.6572889067	7.9020959542
14.5542240826	9.7354019338
0	0
5.1780175788	1.7959432994
114.9710429348	171.3613882974
0	2.9590157944
2.1527692255	4.4799980766
0.6581738813	0.489173547
0	0
0	0
21.1326279025	20.9418267578
26.1264117289	6.6452342302
21.2017640898	75.0069092729
19.420537379	3.6740825417
43.3923386099	55.1840522248
0	0
10.8652561203	1.4131892873
0	0
4.7168374114	4.9079627952
5.0853178439	1.763791329
16.3005411554	25.1274608636
5.423198972	0
0	0
310.6298704856	135.8978615869
25.0925451904	19.5819678774

gene_expression_table

3.4289272787	0
22.6298025184	4.7093515903
13.4094440351	31.3937825385
22.3719091842	3.4486540484
1.5623294028	0
20.9555419608	18.5980895077
10.5699521594	6.5989468053
0.2407223108	0.429388002
2.9004783102	0.6964627287
1.0089048933	1.7059014925
0.5151269746	0.5955553609
0.5600412211	1.7482019649
0	0.0571343975
3.2416869813	1.4455883748
17.4655047196	8.9011610235
0.9986767823	0.6927619878
2.8713893357	4.3820150045
9.0558561975	15.4533884311
0.1371187205	0.4280242374
0	0
3.5955625867	0.8802950873
2.7440160615	3.3157197142
0	0
0	0
88.9067078149	20.3068956407
22.1275857586	16.744866517
7.1319590996	9.5412147038
0.4054742591	0.8438080029
0.0692592625	0.3122844185
17.9812547819	11.8368450898
4.9971772144	8.3194590646
3.9660799442	1.3755949245
34.489770675	21.2536376692
6.5769855343	4.6660116666
8.1362828371	3.8481652365
18.2706185035	3.7094518249
0.8922199369	1.3925587868
34.9352369176	29.3794187804
102.0280810688	206.426578041
11.7653767415	13.3550265181
0.7613224256	0.7921710702
193.9902338093	70.8624736012
0	0
1.3691883145	0.407047878
0	0
3.719740577	4.3349194342
0	0.5094481676
0.4145728929	0.7189521836
0	0

gene_expression_table

2.4519816188	3.8270031941
0	3.1052708731
8.3494560581	0.9653082756
11.2207813472	5.8377226711
4.3983508855	4.377589895
0	0
0.0287630405	0
49.7855655406	56.5122190835
25.1493477828	6.5420986815
8.3322932873	12.3855946825
7.8979083292	2.7393100404
97.0850545693	171.4260513413
4.2114194022	0
3.6852070901	2.9175779372
0.7437223446	1.3542512149
0	0
0	0
0	0
4.735047114	2.8918821629
0	0
0	0
0	0
0	0
81.7292132152	76.5367793031
0.1380169995	0.143609423
0.0372046307	0.077424311
0	0
0	0
0	0
12.4956000218	4.7279707036
0.1787969033	0.9302086045
2.0254914923	0.6021611528
152.2484572851	68.8771898925
1.0948623213	3.7431709491
6.177789277	0
2.8849290472	1.4294408768
0	0
91.9220967637	188.2081469541
0	0
0	0
1.1508692386	0.8553587488
55.2722606122	35.602593891
19.717515174	5.373359949
14.238133115	12.4255338986
1.7723569875	0.9220862832
0.2298574234	0.4783424077
0.419287623	0.5453463503
1.2329385093	1.1842125699
36.5338617549	28.3768024899

gene_expression_table

1.8724254578	0.9741478964
0.4737083651	0.3696772056
3.1352035416	2.6505711473
79.3475792779	63.8927648356
11.9134876856	3.9667904044
0	0
123.9331803687	110.5327971662
0	0
0	0
0.7030284583	4.389090252
10.1309215053	23.5154856018
5.0797239539	5.9749734466
0.408686153	1.7009841628
4.303314803	5.2239650479
133.577144089	54.3006219595
515.2970299445	509.2644231901
12.1108914059	14.7932090179
1.4764897899	0.7681584422
0.0398412524	0.0138185375
1.4290382437	2.6764966985
4.7928060324	7.8367294511
1.0893666661	0
4.4684363636	1.3948489748
0	0
0.9151673084	2.2219160117
2.9732202578	0.6513041254
32.87347872	46.0005081057
7.9516731969	6.0675072563
6.0188123068	0
3.1232313689	5.0777877018
6.1191431792	4.119881593
2.028761681	1.4073111539
7.2544616479	6.038728879
1.0772195588	1.1208682971
108.1413794586	73.140111363
0	0
0.1857037089	0.2898425835
1.4504398202	3.0184227496
112.6945389768	154.7055584023
3.2204174004	6.7018162415
32.5141517454	6.0145100782
0	0
1.1235310184	1.1690562884
14.94722867	11.4600224603
34.5607241138	41.8901915611
1.5839771442	1.420827247
0.1066929585	0.1110161375
43.6038183445	16.4984134686
0	0

gene_expression_table

5.6976655878	4.5169782466
1.0591786045	2.479716735
8.559947119	2.9689315336
142.5315211749	82.7759286585
0	0
0.6554796379	0.2273465174
0	0
0.7243456853	0.6029568313
5.4038544802	33.736906015
0	3.5115092255
1.7882376408	0.1691542455
0.291955674	0.1012618881
20.6553149187	8.8497559614
5.3049405479	2.4532870056
0	0
0	0
12.7570899292	3.0972678019
136.7329118086	144.4621242943
41.6614664364	49.1295255738
3.6628854598	2.4071399397
0.667321966	0.2314539097
0.7698691017	0.801064056
39.794200123	12.7405088578
34.8215241857	20.7042776781
0.8570058858	1.0031980573
0	0
0.2773040448	0
6.3451177681	6.6022207722
2.2649281803	2.6185585037
13.4398601337	26.2208264864
4.8633413667	5.7833177872
1.7814196025	0
21.4328264345	11.1506403085
2.6732486551	2.3179734988
1.7515857236	2.6036566497
8.6915437628	12.9196050234
2.5136070854	11.115696423
0.1764176388	0.550698147
12.402972818	6.4527694969
14.0533635282	6.748986107
130.9805155327	113.9455560273
21.4040561508	29.6951260888
45.5233652556	42.6311672735
54.9312987484	27.7620223623
9.2143072539	5.3264829377
0	0.3551206798
3.7977635767	2.9637361934
0.5924133158	0
60.6685324587	81.1630417215

gene_expression_table

0	0
0.579119562	0.7121463583
0	2.0469640604
7.1647906507	1.1182659974
2.2601719176	1.1758768339
2.6585556776	3.5566455399
1.1726540409	1.2201697668
0	0
5.5550473598	0.8670205285
0.1408862278	0.5863796475
303.5751020568	445.7360053723
2.4344745005	0.2110932466
2.3755647291	1.853866631
0.4505870505	0.7814079248
959.4023141324	1270.9957732669
5.117330439	4.3738473468
3.9343479754	0
2.8716367342	0.4979991544
1.002230436	0
0	0
65.9004906558	32.5711140438
3.5322541932	0
24.352749634	15.2037111402
1.2866419529	0.669388224
0.8638865009	2.2472275574
4.5810777619	1.4300106569
4.5425471476	8.9280417192
1.0406910994	2.1657194224
1.7819037464	0.9270530791
0.9413720589	1.8501974206
1.9140396916	2.9873943414
22.2185510469	6.3051389034
0.722405154	0
3.2954806547	0
1.0968143925	0.7132856936
38.7945236266	11.1651939913
1.7717728348	0.3687129488
0	0
22.7226399819	17.4755248662
4.4821373251	1.1659381761
2.4500739879	0.4248917558
839.6685043758	854.0381207114
26.5856725097	46.0012586728
2.97270035	1.9332210132
0	0
0	0
18.1650169769	7.5604240486
0.7830734728	0.9958709026
0.9550818555	0

gene_expression_table

43.6807428838	10.3659442298
6.9126149848	7.7064780768
4417.2973278349	6990.5043037142
5.7222117889	4.0738406235
0	0.8239798781
0	0
0	0
885.6791206238	568.6262466355
285.4456101681	148.5059068778
18.2852359042	5.0068816573
239.007423671	122.2020840332
156.5268964894	48.436977703
13.5154797847	12.723779344
23.4842623723	14.0205641418
89.9666218727	14.4018542819
0.4133287012	0
66.6990440201	58.8149805151
5.0475803649	1.3130268481
26.8576477623	24.3007953969
1.762292102	0.7334799414
0.6944156419	0
7.1008820004	2.4628694774
0.8184561944	0.8516198888
1.7646932483	4.2844626858
3.4365640878	10.01227649
7.1478174594	7.4374457073
26.1035621314	13.9578767443
12.3593967179	12.8601971981
4.722157547	1.1561172945
41.9546108326	34.6998133896
1.5470999002	0
1.6828301912	1.2507272577
21.9614884259	10.8816018547
13.7951875617	2.9904512547
0.3395046669	0
52.6219998236	16.0691772438
0.3904039211	0
3.3197214223	2.1588974521
2.6713851985	1.7688549678
0.4661031683	0.4849895828
74.8129588084	73.9521478235
1.6771082951	2.6175966219
2.8588282901	3.4704454007
1.6496868412	1.3732254787
7.3499448845	2.353157938
35.7561197792	33.3294354246
1.5104463339	2.2701601597
0	0
63.0265552316	19.9592459803

gene_expression_table

0	0.3225415282
0	2.4367386953
2.7019564457	2.2491513789
0.3074079796	0.6397281887
28.0916424745	29.2299106572
490.4783715011	267.3274815836
0.2624137717	0.1365233647
2.3627141755	5.4842366656
8.1083014595	16.1706259893
22.3765820982	9.3133108345
10.7307183315	10.2540536296
1.3029896849	2.0336798806
47.92244515	30.7804035848
9.5215327246	5.9444060869
0.2660119812	0
70.9860473946	34.384215555
20.3151264756	16.5430108654
50.9580426853	21.7529654138
5.7730847968	3.6042054782
7.0786908464	2.1044337419
0.2877736189	0.1996227687
3.1892201663	4.7406382578
22.4957118946	18.4793952634
0.2430586414	0.3034887994
2.8110956806	2.0689029767
3.8599556608	3.8155423361
966.4184737095	877.9662053391
5.5152052396	2.4594344318
13.4581183031	7.7465831548
2.1373897386	2.2239963774
0	0.1458268441
0	0.1344287695
0	0
0	0
9.1970902759	12.9473151568
0	3.3429405351
0	0
0	0
2.6837784116	3.4906557736
1881.9490010942	792.2509702058
5.6393267748	3.9118875052
0	0
9.9651050606	9.1490199561
39.7804208232	10.6437384394
2.2977361283	1.4610688726
30.1348762651	8.95883883
20.6962078671	2.1534814401
0.1247947113	0
0	0

gene_expression_table

1.5829325816	1.2810565588
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0	0
3.1362238115	1.6316515116
12.4605789411	5.9840673722
39.1089115823	7.266713836
16.1023833612	8.1380695004
18.8165964344	31.3840517501
1.9114052388	0.4972137568
3.1777175879	1.3225912479
6.4047759616	8.6635851962
2.1412896337	2.2280542956
0	0
1.1557380245	0
0	0.6745966603
0	0.1522547135
18.4171453867	20.470000505
4.7702794546	0.9606910258
1.2450195424	1.7272900068
0.867727703	1.4188237954
2.166482914	0
18.136680473	31.4526257128
0	0
0.8181816054	2.8377805781
0.2666504508	0.277455078
9.8383862489	2.5592589622
2.9607509238	1.9254500039
1.1955843883	1.3822547196
1.3173883772	1.7624169151
221.6242264934	184.078950367
5.7943625085	9.0437235164
461.6067108665	547.189666897
0	0
5.9516380623	2.9965148425
2.6895717519	2.0211769531
0	0
0	0
3.0181986246	2.8099170061
0	0.1638027599
0.7324633054	1.5242851675
0	0
0.305352954	0.0529542999
2.3531415697	4.3319446122
0	0
0	0
4.5132571479	5.9768971779
425.1869825612	606.5373527626
13.6971412159	2.0959039496
4.4535734206	7.1292790706

gene_expression_table

0.0509744313	0
33.5147935442	5.3650472016
2.3952637014	2.3006024729
0.6615775264	0.9178460346
0	0
0	0
2.2062489909	1.6397469957
744.4889095941	1144.6917781917
0	0
146.2591334684	93.174812227
13.1028068992	15.9060185936
2.8810759565	3.4590191815
21.4197770881	31.9457069359
0	0
0	0
0	0
1.9074307411	2.0949816772
0	0.0890212829
192.9196902239	66.9122535216
0	0
0	0
5.9857041667	3.4154885343
2.5110068324	1.8088285618
0.1588995144	1.8187190285
117.8236635481	79.7048953276
2.6894477342	0.7995496175
18.6430381102	11.9113293054
0	0.8936676058
34.3526450571	8.0117224631
0.5038347591	0
0.4330376159	0.2574766974
0	0
0.5937994812	1.4416736295
4.0326375366	3.5966050863
3.9309332076	6.4499526848
2.0874874881	1.2670420565
0	0
0.0580950236	0.0302245116
3.3137191228	1.1122549715
0	0
0	0
0.5141486664	1.2037092203
0	0.4897289393
12.3994268606	21.2501048197
33.6115098317	22.3830028953
17.6226160662	11.6687971436
0.2195858083	0.4569667696
13.4397246458	8.7401873843
82.9442742297	50.6573770826

gene_expression_table

0.6612668773	1.0320919342
32.7324356681	48.468218218
5.8987598933	2.4551106234
2.8247455843	5.878407511
0.1280276157	0.0666076356
0.3674957896	0.8922355199
1.2017658481	0.9378458843
5.5659941799	4.1368051712
5.0608288947	1.5045407857
3.2172010283	5.4900007319
10.394021743	6.180106052
66.9388519637	29.8505151108
27.8485738211	17.3861957441
1.2224352485	0.5451291856
1.772128126	1.3170960225
13.6067734798	12.8710158517
0.2535907079	0.3078438495
1.1500636494	1.4530920204
1.6086129363	1.0042761818
0	0
1.5511861376	1.0087749465
0	0
0.8659627195	0
5.5184404843	0
0	0
1.6154228346	1.4407538319
7.9623746325	1.7260434556
7.1831744122	7.0808545112
3.5504914297	4.6443341233
5184.4906530318	5900.5137912636
4.5038316582	9.3726521761
3.9454344015	4.3467910701
8.4749262969	7.7601293005
0	0
170.4809484332	99.6082718337
0	1.0686449251
0.5001776825	1.8215567656
68.7368476738	69.553555244
5.769499218	1.6372577085
67.2654601954	25.124990248
66.0952491111	42.8717401185
70.7809022643	83.8280519964
8.7932859822	8.2735638989
24.8021827275	18.0650138247
0	0
2.8421007294	2.4397412555
5.8456850213	4.181753883
3.1924730579	18.142310383
5.5865191333	18.80638896

gene_expression_table

0	0
9.4846821711	14.5437891008
5.2792048854	3.2312454681
17.9381986809	49.7734698398
61.6565905979	46.7092724296
8.188548656	3.7044987567
14.0038542643	3.6428219654
30.2837182055	13.7354807997
17.6375938344	0
0.5015148615	0.1304590378
24.3999046662	28.2412342352
1.6149420074	0
0	0
5.6622223686	1.9061235396
2.2814949364	2.9436864573
0.6753494995	4.5676444899
0	0
0	0.6546462166
5.7936910098	0
48.6284232255	23.353309839
1.2785473818	1.3303538864
0.5180888397	0
7.346891469	3.185244233
0.5682142176	1.1824763063
14.0049575961	5.9200520845
26.6357626709	33.4210762868
12.0321924726	5.930400646
12.4812781734	14.7907696662
0	0
0	0
1.1368228994	0.7306065246
0.8453316603	0.5863895624
99.4184346148	98.9879352836
4.0988090661	7.9205138166
91.0326501249	43.4679829841
1.4930450319	1.2576300005
2.2153480624	0
0	0
1.1784052774	0.875824316
136.200286542	164.6231935835
22.9892954284	5.8268657886
0.8351885418	0.5793534852
0	0
0	0
44.0445935518	13.0940778217
27.9348561077	18.5425955073
8.9692898953	6.3241484126
0	0
1.0040570923	1.3059266261

gene_expression_table

0	0
29.831437144	3.8800251858
28.9534849382	7.7247884151
18.35170855	14.6887049253
0.2211447871	0.4602110663
25.937099727	16.8675413963
0	0
0	0
6.749225055	6.242402144
10.6707012461	4.2297432749
1.4196622124	0.553944999
0	0
0.2505764465	0.782189274
5.9389622161	5.591073789
0.5292382091	0.6195181995
0	0
0	0.0687158748
7.4003433779	10.7802855013
13.9154581055	15.460958036
0	0
8.4010109314	10.6536036118
0	0
0.7964775776	0.1775894362
6.7168829402	7.175424462
21.4032707097	2.22705273
8.8219092507	10.4907101598
22.8664450804	10.7898439515
0.3302228604	1.3171464813
0.5662795065	0.9427600767
42.6356919986	64.1788818594
2.1067745353	2.9228542024
0.0621198687	0
0	0
5.0659013894	6.7470986001
60.9116474241	28.4116237989
0.2420208344	0
6.6302522759	12.0730905363
0	0
66.3820895217	37.6755706753
0	0.0496327813
3.0501668481	4.7606385711
17.6179113322	5.092162738
79.7718010827	58.0136460832
0	0.0243441581
71.7884179223	82.114021756
0.1053387268	0
1.9439209784	2.1069669778
21.1151412431	14.7966092866
2.0374846038	3.5334051749

gene_expression_table

10.6293987968	6.9726717894
0	0
31.5467800749	20.5156561233
4.7579119413	0
12.3043053356	14.2254150258
1.3079428128	1.1794816929
1.3015479869	1.3542864717
0	0
6.7226340275	9.2791266299
0	0
1.0989404493	1.847142738
0	0.0844354484
0	0.6486787833
0	0
0	0
22.9654788675	8.146375856
19.3345060985	10.3637855867
98.9297323097	65.9861197787
0.4166667477	0
0	0
0.5276107828	0
3.2198544266	3.8289398119
3.0945262643	4.9762336621
49.3061155057	23.2089479617
0	0
0	0
1.2212738187	1.9061394136
1.1478305527	2.3886808709
0.6356889786	0
6.1345601924	8.1748876367
0	0
7.9290147853	9.6253465059
23.3802072929	19.3189518444
44.1308469145	18.9078320567
3.9527008004	2.0564317547
13.6688338274	34.7665815648
12.3325115931	4.6662627975
1.3927778165	0.7246064586
0	0
31.0096512366	4.302154213
157.6891235293	170.6418041036
35.4565671799	27.6699455672
341.8673880041	88.427518827
0	0
0	0
0	9.5215676021
0	0
0	0
334.7009988551	384.9222871717

gene_expression_table

1554.2101468515	826.5619663736
78.3673504199	43.1697076069
0	0
1.1503528509	2.9924123417
3.41044817	2.3657592681
0	3.621518913
104.1122421221	90.5151672903
0.2630973567	0
37.0945211143	33.3102439699
2.8784431277	2.3295044216
2.7845471607	5.7947529984
28.0242570339	16.5501537889
3.7745382955	18.3282488317
32.1908499036	19.2419332949
1.1393031089	7.1128047674
91.7374735502	115.2038989067
2.1461154636	1.1165378336
296.0876718542	180.8325527219
1.5056547321	0
36.7797857786	26.0932472243
0	0
6.2908971591	0.9351147363
62.4348147147	26.7501549065
19.8478813989	44.4814760928
4.3590338934	4.5356611445
0.7151876132	0.7441668836
47.2868127451	29.7073906079
0	0
0	0
8.095936907	6.551986607
127.0829399626	62.6363608264
354.1043981588	112.7916254691
1.142074946	0.8912637095
0	0
1.3368030302	8.3458202577
16.8377751187	12.5143133339
0	6.9387085056
1.7158758829	0
419.5319394399	260.1842164038
76.41609364	32.620496283
0	0
0.4748421876	0
12.2869292208	12.7847933314
19.2964013086	36.8101945532
3.6490130723	0.9492176026
0	0
0	0.4785778471
16.6612543237	24.2709113953
127.9946437076	65.768376846

gene_expression_table

0	0
284.6619770746	425.7823652405
9.5966522169	14.9782601976
156.0196617559	87.7521890458
2.4174347682	1.25769439
0	0
0	10.1331419796
21.0701669334	0
35.3812878441	18.4074655578
0	0
133.3166925966	48.9595272154
0	8.1255072893
3.6160543723	0
100.9324186862	63.6836633802
63.474838989	121.9326051365
38.4482880758	22.8606889327
0	0
19.1546972122	0
68.5636953047	33.7935238196
7.1884337645	7.4797077776
72.6770856911	33.6097545898
107.0530186804	21.2172928179
0.9965070008	0
4.1495484498	0
1.835610131	0
0	0
116.7582498856	82.8335950101
0	0
631.8326663346	2553.8798222387
0	0
0	0
0	0
4.1017491815	4.2679513034
2.6410967056	2.9007864279
0	0
0.7533151469	0.391919669
0.2335774977	0
3.550715091	2.7307834792
0.258776918	0.4038937666
20.3955076531	16.6743734688
0.2778273839	0.6359867764
1.5951361331	1.2448280667
0	0.0343548741
18.7529874496	15.9650632224
8.3991364146	5.8263119175
23.7539196577	36.8224277562
11.2547860702	0
4.4740056864	2.6803193908
8.1683927118	6.6516843765

gene_expression_table

5.6303668547	3.6052358667
8.5397185564	9.3534172427
1.0947410773	0.9112798274
46.2405670329	38.758682296
267.0442224585	138.9324026014
0.2460144243	0.3199786043
3.5939843372	1.1218835763
2.2602178997	3.1357353507
4.6542624143	7.5064210197
5.869620596	3.0537282711
2.2101573706	4.599425081
101.6133327718	69.0486114702
0	0
2.3271853706	1.008951039
7.3802420614	2.8797330418
0	0
5.0224793775	0
2.6543714844	1.8412840856
0.7423507499	0.6179445325
11.1086664148	8.8066952635
20.2464471615	10.0754401833
1.0262708815	1.0678551888
9.9563379451	13.8130225682
0	0
2719.0038638865	3585.4040635429
51.1119643311	19.5366165497
1826.5988287447	1683.6474052837
98.3524106209	51.1688160987
34.7972872692	5.1724667064
2.6000112785	1.9324023264
0	0.2887661963
6.4384648428	29.6685511215
8.4507207489	6.5948567987
598.5546329733	266.3040917606
2.067053656	2.1508102897
0.2917112149	2.4282503972
0.7162224539	0.9936582078
13.363742241	9.270159078
0.980255383	0.764981363
0.8178422117	1.094118464
0	0.1734208703
1.4183431606	2.459690274
3.5915379789	2.8027998276
0	0.5273511315
19.0747925893	19.8476996743
0.1282749731	0
47.645775888	34.7034617704
0	0.0717625133
3.5320718264	0.565413958

gene_expression_table

85.555041981	77.6086759541
0.2586463848	0
15.1400954273	13.3299432602
0.4098050701	0.7106838269
0	0
18.1469871833	20.4300292529
41.6194468026	29.9809793956
2.602389426	3.8683396666
14.1602459362	9.471867747
1.1434757361	1.6359875984
27.2016447523	15.641601532
73.5438933094	95.6548479131
17.1965326513	1.1928888659
2.2640563242	0
0	0
5.753967742	0.2851008312
0.3780189315	0.9833404725
5.9612185922	5.4274203134
41.2423189557	19.590922885
17.472429491	20.3192807792
8.41587826	6.3686458896
1.2147823379	4.4240178312
1.0995372509	1.5254537306
0	0
11.9742090584	10.9642735889
0.1818712145	1.892406026
0.8245815299	2.1449835544
5.2685221918	5.2209540393
10.0473139622	2.3232065055
10.5110926313	7.8121429787
0.1050101552	0
14.0740272855	11.2272999486
37.978473355	18.4839236945
2.4328186482	2.0711421917
9.4430296499	0
4.3576660673	28.1122749448
1.7838203123	2.9983160034
0	0
0.3646617593	0.5691566801
0	1.3779269354
0.8820041587	0
3.1795061435	6.6166782945
0	0
3.2232619436	4.0246415092
21.3598755908	21.5518776421
3.436899136	2.6008448411
0	0
0.2834752146	0.2212211836
13.7016128054	10.6925997259

gene_expression_table

0.1623912159	1.0138276684
0	0
1.2610595414	6.5607872095
0.4890991599	1.0178347356
0	0
0	0
0	0
1.278336139	1.9440421228
7.79673205	4.2494855321
0.0717456897	0
0.9262348896	1.4456486352
15.5040776511	7.7674037153
6.2956503871	7.7417942515
0	0
0	0
1.2430692656	0.4311460678
0.2494511874	0.3893383554
25.3839856429	19.8094050519
0	0.2338559298
0	0
0	0
21.2532054734	8.6300025161
0.049964131	0.1039773368
0.1492239675	0.1976169939
1.9343279023	1.2808132355
14.3011357234	10.9646637659
52.7923925836	23.1638984519
3.3805044155	1.3528776278
0	0
21.2152598021	15.7677844462
11.5076086707	8.7082871681
11.9348684235	5.8439845155
35.9717831714	37.4293532049
0	0
3.7701831575	2.5499176854
0.2316295305	0.3213534886
11.6413458432	6.0565255171
30.2433966378	19.7710074366
3.0898290778	1.6921202018
0.3171548907	0.3300059485
0.1384573366	0.1440676024
220.8868861771	96.3218066274
2.6033535235	7.0429864157
1.4483668029	0.1674504844
396.3725613387	253.8052335825
30.3925352781	49.6463348517
0	0
7.2138985489	2.5020681301
0	0

gene_expression_table

0.3793786499	0
21.9396388789	11.9105890478
6.452600985	5.6811270063
0.5763434482	0.3997978524
1.0416468351	1.3339743669
0.1980051255	0.123616954
0	0
0.4659207251	2.4239987356
3.1732179117	3.001632834
11.9218211799	10.1995771923
4.3926045041	1.5897711409
0.8590214477	1.7876576773
1.4540651749	1.7966680585
0.1068688016	0
114.7884812673	7.0258640824
0	0
0	0
0.2831512994	0.5892490759
25.2207136959	32.8033154662
1.7736774599	1.1534665901
0.4954537409	0
0	3.4167905811
8.1582506077	4.7160119004
2.5289607064	2.6314337287
0	0.2894458503
0.5648820913	1.7633130289
1.2421427083	14.8634521756
1.2882222819	0.595742583
5.6210658561	6.8236354783
0	0.7307340797
96.028202779	243.3930397115
72.1020511609	65.6456613781
0	0
2.5703567316	1.0029401675
30.7115072346	27.1965377492
3.3784589414	4.2184241711
0	0
9.149244585	0.7933308576
0	0
0	0
34.9101020566	15.5677084143
8.1975461229	17.0594183661
0	0
6.3009713255	4.6279662522
32.8282654582	46.4401544791
43.3848073969	65.2061970555
7.9670753122	4.1449498687
51.584741759	38.8437109217
27.5455630212	43.8648689831

gene_expression_table

42.0414565243	57.2049589448
0.3402382627	0.9440657453
0	0
0.1700520075	0.5308274505
7.9876271747	6.0949418623
0	0
7.0983614545	0
1.888338422	1.9648535474
0	0
68.1496203435	41.7123708334
0	0
0	5.2784878403
11.3703682081	4.550420552
0	0
0.4287427242	0.2230576502
2.9027323767	0.7550876396
1.5558385374	11.3321658004
5.1137670066	6.9581992598
0	0
0	0.5419883273
0.5381575462	1.6798907727
56.0468158338	14.9532878195
8.2742979805	6.8876568095
1.4040035869	0.9739290359
563.1818720627	169.248995346
9.5505631187	12.7200642285
1.8696944435	1.9454541182
0.2489202222	0.1295032119
0	0
0.0692653558	0.5045038266
0.2613178321	0
8.0083203285	3.7876436338
9.8942473003	4.4519612453
0	0
1.0990296494	0.2858905321
1.7201266076	3.5796516423
0	0.6140674709
0	0
5.7894417962	2.6773461832
0.280014337	0.0971201555
0.6189951183	1.2881533731
1.3677818861	2.0599007526
0.4171517472	0.4340546593
3.3392247394	1.9302941729
93.2951475312	36.6729476789
1.7280342789	0.8990269549
146.0899735131	67.5597832675
11.1744759409	18.4150716177
0.9521235993	1.4410232324

gene_expression_table

1.4961382761	2.1794661332
6.2394707924	1.0820488334
1.2455186465	1.2959868328
7.8496940944	5.2273678428
0	0.1145957886
0	0.197523894
2.4748606343	2.5751415317
5.5467731474	7.214409218
486.4289381712	259.1675342383
9.0727049002	2.8731436796
0	0.096924179
0.7608444864	1.0885514268
0	0
2.550720618	3.7915362114
1.2102434316	0.4843393356
79.9703305535	115.2148342555
23.4053182227	48.7073948187
71.0306792191	32.8483685635
24.8163969748	21.1270523013
3.4883950838	2.5408209474
0.4417326894	1.3788948501
501.0829296479	789.5284582807
5.0801900729	2.4397100491
5.0727790857	2.1113308643
23.1062901896	11.448834674
14.002546837	12.1416062147
5.5855828975	2.9059548442
326.0462590678	433.4958138862
0	0.1644770883
8.3645565769	9.9468421371
2.3215227247	1.9324723186
0.1207841311	0.6283914096
0.4969015289	0.5170358874
0	0
107.8669427924	64.1358236922
0.2030186952	0.4224899507
7.6895193725	2.9094899208
0	0
29.086641895	16.0700321794
7.9067143855	2.6738052241
0	0
5.6354491139	3.1273581199
7.7473670733	10.940320733
2.5052801293	0.5585986327
0	0.2278738475
2.7090595918	7.6511105098
0	0.2545458435
3.9543707978	2.3081909029
0	0

gene_expression_table

26.4845676874	12.4870907402
17.2723576597	4.4930576033
4.3075113338	4.0745917275
2.3822949864	0.4506954801
0.3315807747	0.6900327333
2.9339060871	0
0	0
5.0764180821	5.3856844635
21.0550467321	22.5111711492
212.6420675567	75.5157758888
1.5653194542	1.2215594328
0	0
1.2919285661	1.3442772739
6.8320819575	8.2937361044
0.7163969295	0.6211876677
27.127765871	8.4680933854
6.0414835535	3.8974956802
2.8598699558	1.0350439513
0.1332879024	0.1386887037
32.7861524984	14.9251555965
0	0
137.5614457807	33.0312485182
8.1587097049	9.0747680254
0	10.8306262058
54.8315933864	2.1943599792
90.3517690218	16.5904951894
16.5328935261	18.9824036733
11.7447061426	5.2716311456
6.5256268753	8.7300566681
20.4530490734	12.5756107794
0.4339095769	0.6019886842
607.0298806128	398.0368934487
0.5361620454	0
8.8862984567	4.6231848173
0	1.499401838
609.9606964451	193.9953642253
36.618527044	16.4234064742
20.2436668787	4.212787307
0	0
0	1.3354769374
3.4454693125	1.195026365
88.2719504211	30.1143323297
7.2176776403	5.3643832927
0	0
11.9217264156	20.6746542929
2.3517178962	0.6525357527
130.6002082647	67.9460523333
3.5953061843	3.2065605679
2.1697267853	1.1288218577

gene_expression_table

25.8741443641	25.5593923401
0	0
17.8230872455	74.1811018415
24.8354494405	5.537523703
13.9374852868	0
0	0
0	0
26.3325567847	5.8296908807
2.9907192216	2.6451172219
3.2331596437	0.9175000029
2.7937818833	4.1368638542
13.9856376775	10.1866331995
7.3626343442	6.8097483846
0	0
0	0.1506220172
0	0
2.052123744	2.2174013981
0	0
3.363525396	11.3743981845
0	0.5957758451
0	0
109.89835271	93.5602476013
3.0293290824	2.3158116289
24.8460289717	62.7853361965
0.9237575707	1.4417820861
5.6404083854	0
0.8746284066	3.3369166919
0	0
5.9193233887	2.6396456927
0	2.1722761793
0	0
0	0
6.8918252369	2.2310028929
0.2903002063	0.3020631172
0	0
0	21.6597492018
0	0
49.3141861824	97.6186892331
77.9284061377	43.3390961234
2.1045320324	2.189807283
0	0
0.0600167704	0
1.0382870222	0.1662089571
71.0284661358	26.2562659973
0	0
4.3176854079	3.244682441
193.436872601	134.1832660511
0.7710160441	0.4813544834
1659.5438912439	899.3689084776

gene_expression_table

0	0
2.0056067607	6.2606207325
4.6602821896	9.0920924365
2.2837586096	4.1585181543
2.3503524664	0.9170956184
80.3435270771	55.7326880047
0.7094181297	0.4218077838
0.5057362243	0.375877545
0.3169995401	0.4947664547
0.6338574052	0.1648852976
16.8710083235	7.2283723135
0	0
0	0
0	0
0	0.094137943
4.1047397372	4.6127480787
2196.3289450692	2078.0158001262
8.7311480029	15.6921561588
4.711581489	5.1908758981
5.5493128786	1.7322510045
3.9536385705	4.1138392777
15.5688369991	4.628480974
217.3911778271	58.165670145
0	0
0.6830588423	1.4214725217
36.0144073621	40.4716008815
6.0172811292	7.9686730494
19.8652248628	7.2953506299
53.0719317662	31.5556552419
6.9194831107	8.7426862841
76.9513602446	12.8111064318
7.8191886503	5.9171059893
15.9694709901	12.9239841231
14.5632021677	8.9137061407
142.4323638853	81.2729951593
3.3303363043	0.4331601148
0	6.9665860006
24.4609624126	30.0797735816
0	0
0	5.0857405941
48.1635450132	0
15.6785782115	5.437957105
0	0
1.1584696958	1.2054106747
1.4469764468	1.3801403606
11.8237473479	7.1766586583
48.5223896151	11.1371708629
28.9477277801	27.9692069261
22.8043997176	18.0788036548

gene_expression_table

21.8149117061	15.1325652756
18.8940890868	33.9576188985
4.304188105	7.0377890233
41.8316638925	18.7762128375
1.2318836889	1.165272172
1.2477695762	0.3245822424
35.072264705	25.545370491
5.354944272	5.5719256284
0	0
0.6837407988	0.2371486167
0	0.6423825642
0	0
4.3650062556	2.0962502334
15.5736399015	9.6129463108
0.833135601	3.2508528832
0	0.3282940012
11.42554913	8.8063039095
0.7970054319	0.8292999453
37.4430216593	43.1950110061
25.962201726	11.4605634867
0.8025435046	0.8350624197
2.4393744528	6.3455436418
0.5493155742	0.8573606103
1.940212418	1.2750501904
4.1635044197	1.9994810088
23.6633788647	55.0378915058
0	0
5.3500993001	10.6276882837
0	0
29.266924086	6.0905628927
2.0654310979	3.5818699763
15.5489494514	16.1789900214
13.3444110199	14.3330313273
0	0.6455273367
0.8060259528	2.5160579282
0.2933338011	0.9156588982
2.7342900746	7.5868880138
0	0
38.1413387173	21.8277503082
14.167555005	7.3708108631
524.6616179633	506.6656348464
0	2.9270480343
330.3721635347	111.9214641661
18.1324944182	13.721614367
15.2569336923	3.3421351237
0.1026985559	0.0534299413
2.621330844	3.5458106935
3.9817422077	3.1073112518
58.276841456	36.3829250075

gene_expression_table

2.970426293	3.0907874196
1.0949616655	0.3797764369
3770.9464600041	4401.8696761468
24.6830524803	24.0154646249
0	0
0	0.4872792625
0.49068331	0
0	0
0	0
8.7253712627	2.7236765101
5.7050963966	0
0	0
0	0
36.8783450796	39.1401018114
30.477073224	27.3876351733
0.9601319446	1.4104042084
0	0
0	0
624.5486250859	310.8003228123
0.1403434063	0.2920601905
5.556648257	9.9116616372
1227.3296664201	1086.3309731055
2.5891875699	7.4836138157
38.3926099335	54.7862008071
4.3993308168	5.3950178368
0	0.1769761943
3.4853776934	4.1446909213
2.9330092255	2.1416520838
2.7673354461	0
0	0
4.4729711658	5.9839908867
9.3395532448	11.751988177
0.7222861726	0.3757765377
11.9530345327	6.6867576838
9.4553826233	3.5527963564
4.7939878364	1.7815140504
0.2553137929	0
0	0
6.2809817482	10.5954090768
0	0
32.8713225846	18.3231763531
2.5715764046	1.3378881036
10.5023391048	13.4497131722
17.760824107	10.2669385727
15.5892005181	12.0258189365
2.1291154433	1.4769245395
0	0.5026961246
0.751442344	0.3909453247
46.8649653691	31.7352528691

gene_expression_table

0.5187541055	1.2144913344
0.119630057	0.0829849633
0.0421335731	0
183.3952593767	207.372043284
17.7558135408	28.3025502192
182.3077596423	137.9598810975
5.4468333305	10.39048636
12.5090726427	18.2223131494
1.6357073591	0
0.3683595618	0.1916427117
0	0
0.1261417499	0.5250119614
1.1986755313	0.7275599586
1.6969831417	2.4278988061
0	0
1.3731908623	0.9525548689
1.1226155655	2.16933552
1.7862633396	2.3233030018
0.1912820355	0.0995163742
37.7470929025	25.1370228221
0	0
0	0
0.6980954936	0
0	0
7.3215434474	4.9294306732
5.3277294498	4.0143368758
32.8654387926	14.431820687
0.9103678295	1.5787596106
70.9628705395	80.78775751
0.1406864095	0.1463869969
0.4035204265	0.5598279999
39.3516931432	16.9125676876
45.5151760732	34.806337355
58.9606994285	25.5624067156
4.7571529381	6.4057683406
0.0899548545	0.1169997608
3.3637193738	3.2500154734
0	0
0.2201859029	0.3054770602
7.2893548274	2.9171992859
18.0904423488	18.8234637432
356.8433956012	226.9071593028
5.7502279613	7.7560338851
6.3267223138	12.0689798855
0	0
4.6223750623	5.194446677
11.8337761694	13.6814206687
0.8134585875	1.1542087906
0.23903018	0.3730734584

gene_expression_table

104.1051096034	111.5569646924
28.5693813375	22.1224241199
342.8571580869	221.8443307578
0	16.5343724136
1.0484883572	0.8182296843
365.2346273534	365.3364248529
2.9625931688	2.0550912658
1.1812624777	1.3059474543
33.9487376105	17.6621671051
0	0
20.2099975783	18.0247739662
14.6740234003	3.9831162072
2.8487081475	0.7410343193
62.5092194916	46.3666323996
15.4038414014	4.9316929907
0	0
0	0
32.4016751966	26.3395196188
20.1576903354	22.8388741255
2.8609823774	14.2230089824
0	0
0.4006584419	0.4168930482
13.2872014256	4.8389587336
30.6366310519	17.0257615916
17.9282737562	9.5938581132
5.3766486901	3.4965684409
2.2524615595	3.6458036025
58.4255243151	50.7890182692
0	0
12.3010087406	3.4131848935
6.7543487622	2.0080096374
0.3184153656	1.9879049857
118.0621692892	111.2567788613
1747.3605486064	2957.253521909
2.6271221769	0.3905103834
65.5520433206	17.7528191914
1.045916436	1.9589341994
1.2868605364	3.4814101101
21.0889970223	6.3604403769
0.2023768473	0.2105771199
187.8850447133	342.8300227466
1.1340224955	2.9499321959
0	3.5011103558
5.8265238668	4.041742361
28.1240588692	25.8870666478
34.4264238497	6.0972555247
57.200042497	44.1583511903
0.1235512053	0.1285574774
0.2387088998	0.1655875603

gene_expression_table

68.0139067048	50.7251872435
0	0
0	0
0.8955041821	0
0.1349315534	0.1403989551
18.0384326037	12.1747112905
14708.3621784396	16754.6291089684
30.905885842	28.7003171161
1.475098192	1.1162682904
0	0
0	0
0	0
1.6720287592	2.7784531206
0.4499564363	2.0483250737
0.566225632	0
0	0
217.7909522877	201.0816267628
7.4312537679	5.5231191449
0.4699810078	0.9780491035
28.2459168914	36.2132160878
9.0534527444	4.7873640407
0	0
1.5932336394	3.6471405811
30.3282213486	16.0459908283
0.3944405324	0.068403865
0	0
0.1426054406	0
17.9335559105	9.9206234482
3.272592526	1.7025986864
24.8398046267	4.5611133421
6.5846862112	9.4615903834
0	0
0.5080356861	0
0	0
3.3766790757	0.7027002981
6.5729371186	9.1190284278
2.6333294561	0.3044479423
4.2021273592	14.2102895556
3.3080812587	3.9716816567
71.3921982104	2.857115267
30.7508339914	30.3559879135
0	0
131.5130845795	53.7593455778
29.2262563871	19.2989704664
19.4040914915	56.9000539027
39.4241461428	41.0216052885
363.489304479	353.9730918757
100.0018054196	44.5945115014
3.2095425012	8.0150221742

gene_expression_table

2.7283213121	3.7851631861
40.4873337575	30.3320686101
0	0
186.8052675338	72.8904684722
0	0
1.2929309159	6.7266011931
3.2773564832	5.0149328893
2.8227183935	0.9275035021
19.4349504156	12.2560309269
3254.9071437022	1567.4424908879
1.7321054542	1.8022900484
8.0781209807	7.2046671052
14.8547792969	9.789238406
0.3911629923	1.2210385344
0.1149004487	0.1195561937
33.7903324007	30.969516977
0	3.014050505
0.3887509407	0.6223123958
56.3234417488	35.3494440508
7.3985219394	2.025870707
83.8985874143	39.5071886829
0.6785340128	1.0318872028
2.4086744997	3.7594103207
0	0
6.6477848866	9.6420905366
2.4353639362	2.5340444347
22.7776316474	8.9898740684
0.495674794	0
3.6925740249	2.8816473336
127.3031349822	109.333247591
14.4838460454	16.7148083292
0	0.5816783816
478.2373415798	200.619659784
7.842158388	0
3.5401331061	2.4557190986
0	0
0	0.6635732485
215.660141175	179.2410272569
22.8389554322	10.396918745
0	0
0	0
22.2055639077	23.9020647624
0.2743232135	0.5708774793
13.6445004425	15.1653757998
3.5608090971	0
19.7391255427	19.8307115775
406.5314051039	334.7393722287
16.2785523335	12.3186591113
48.966937875	33.9673794568

gene_expression_table

0	0
25.9732244203	11.2127716281
0.0967072109	0.1006257692
130.8644577133	58.8830536018
240.3283544023	56.8332761568
0	0
2.9446351619	2.7975206944
2.8936597629	19.5709171055
0.8000473643	1.2486977044
3.816900269	7.9431207309
1.2572871329	1.4390553938
0	0
1.7573116708	0
4.9869087006	13.8372728622
2744.4971302	4103.0750025801
0	0
3.8211304103	2.6506412742
4.996315729	5.8486112131
0.6700184241	0.6971674473
82.3790067538	42.8584944728
9.7201988186	7.2243282041
1.9631571399	1.0213519529
2.6429350668	3.6667017457
0.3497987337	1.4558900562
0	0
0	0
0	0
0	10.8419128108
0	0
0.637366579	1.3263851109
2.199364732	7.6282752872
15.5634710012	5.3980333272
153.1055901195	79.654700226
45.8130523425	55.4295218506
10.3655185425	2.3967838769
0	0
0.420204789	1.3116942292
0	0
1.7625253263	1.1285800173
2.3383642374	0.4866228652
0.293798498	0.0873437597
100.9337735747	45.9478212826
23.7797330016	10.4182245921
0	1.013314198
40.9375343041	0.6264164068
2.4115459806	0
0	0
0	0
10.1427794124	18.7622452754

gene_expression_table

4.9609577321	4.7065064593
2.732683405	2.6064602975
46.8637987063	27.194588941
2.8602185322	0.9920380202
0	0.4937731741
0	0
0	0
0	0
0	24.0330319549
6.9522680745	21.7019180919
46.7262591716	48.0407938481
0.7837609501	5.1649523971
1.8203378868	0
1.4453240741	3.0077766792
71.7643820835	112.9417957264
0.3724679058	1.1626807105
315.5009816906	291.8089096894
0	0
96.6948068154	47.6587243851
1.4638603808	0
9.0629577083	9.5822868784
30.3097451989	12.6151561983
2.5471671825	1.9436104805
44.8364473655	20.9939453823
14.6746975824	24.4309018041
15.5453232972	17.0265441432
16.5858040055	14.3815481094
211.837964931	94.4664001205
40.3989977565	52.5449471377
47.1738139561	18.179736376
1.3768971804	1.4326888007
0.413058233	0.0859590553
1.8822479251	1.2512742802
0	0
0	0
4.0458479235	3.5307873663
0	0
0.1318562527	0.4801966534
6.9745758543	14.5143687685
1.0547473717	1.0974855411
0.9565597764	1.2441492531
1.3240398777	1.2628822524
7.2775092853	9.4654907776
0.3140139656	0.0466768219
0	0
0.5016733872	2.6100055024
1.695209409	2.4694585752
0	0
0.1097647004	0.9136987666

gene_expression_table

15.3066665821	22.7526998497
128.5380997131	36.7147089801
61.7072471722	73.0204231624
24.8917337452	19.6485354736
3.9983906365	4.4051343768
0	5.1382356446
172.8068039744	59.9363012887
229.9461308129	76.7448980585
0	0
124.5174588387	102.0798474905
2.8352920559	5.2447601211
6.5812653698	2.5679763867
4.2215545471	3.2944583703
0	0
0	0
5.4084249877	3.3253842657
83.6890725653	10.8850172978
26.8422871	6.206651474
99.9875194474	91.0341209161
18.8123272714	13.0497328733
0.6881642953	1.0740728788
10.5542795532	1.9379888856
0	13.8663195166
4.7045201707	0
6.2622140596	3.9095746925
0	0
163.2098685139	169.8231023472
105.6312460205	36.6371348893
18.0440545445	11.2651177882
98.4775306442	31.3096122964
25.5787975051	13.3076228361
181.8182884359	97.8545855274
47.9384007899	0
2.7590375123	0
5.0021271423	5.2048124135
22.3037072156	0
126.5082486683	47.8670325892
0	0
47.4267849863	12.3371273963
7.3828577771	6.1456078524
58.6437064208	20.3399795372
28.2062186812	22.0118471031
0	0
0.3906311804	0.4064594839
0	0
0	0
0	0
1109.1977219498	1745.0630207559
68.0910567527	40.7630676888

gene_expression_table

329.1145088788	105.3692825246
49.471399942	25.7379859812
1.6165085435	2.354812841
346.8504301236	82.0238058441
3.2992648138	6.8659008337
22.6601236919	21.2779850276
7.7890098502	3.0392321609
0	0
0	0
2.3705334235	1.0962608896
49.0217288712	12.3876766449
1.5590164411	1.8925520837
0	12.117283407
1068.7502078706	535.4342594319
0	0
42.4107225345	41.1872507255
63.7980663247	22.12771741
5.5253934266	1.9164271171
15.401651178	5.3419077497
0	0
0	0
424.7642102589	92.5065163005
0	0
304.8399983154	380.6304707293
6814.0446188879	13164.7318750683
7.4751434994	0
0	0
27.7665980137	14.4458477274
116.3919358126	34.1952326484
0	0
14.4765582058	8.607511817
2.0363891017	0.8475612853
0.7062612182	1.837196982
9.6809198976	10.0731889901
94.305606647	36.7975696767
35.2223758511	0
310.5202467312	75.390576328
14.9580132452	11.3193521374
0	0
32.6756599501	35.477918272
53.3807113914	28.3386163226
2.5689599924	1.0692215114
15.9560387297	7.7824567886
37.7726050526	7.1460261922
10.3371578491	1.6983185657
494.9623282384	282.8596877312
15.0619907579	3.1344599703
121.2852006883	0
3.3213182496	2.3925443911

gene_expression_table

20.7231924091	13.0684196069
0	2.1317718903
90.8151856925	71.7798559988
198.2867686929	247.5855744786
0	0
7.8866950187	0
0	0
2.0209297325	0
2.5418832481	2.6448798895
19.9911067353	20.8011427009
125.6223251794	65.3562593374
17.2043738026	0
0	0
104.555803798	0
89.970773348	114.4200108638
8.9474290333	0
0	0
115.107187012	27.0072559609
432.5103436613	442.3426672308
4.3010934507	8.9507459313
0	0
3.5938293238	4.9859341688
0	0
4.5734086872	2.8552334193
15.0765258515	0
10.4189185131	2.9566612292
5.2666589122	0.913343827
6.1154446145	8.4843217397
2.9983063286	3.1197971492
3.4595363451	3.5997161211
2.2992507979	1.1962080085
9.5577649797	3.8915389008
1.6435584103	0.5700516982
23.2451270848	18.0596381324
0.8393707245	0
1.8198155875	1.3366264801
0.4094518166	0.3195320467
8.4297624152	3.2892505638
5.3676648789	5.5851616718
19.4784773844	15.5905705408
0	0
4.0046267001	1.1111715832
17.2182612892	7.2783514649
25.0355711992	18.9454603173
13.0882282149	4.3773945471
1.7765452444	1.2323536872
2.6988495918	3.0890271286
19.3004808111	5.7378664975
2.0136580539	3.2592795008

gene_expression_table

202.7770490269	42.1987075464
0.4400704176	0.45790199
1.5677676819	4.0782333495
0	0
0	0
41.7379860776	8.6858403183
7.5429260737	10.9879896699
34.5070768816	14.5562016024
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25.6434614249	20.9648448131
0	0
0	0
23.4139721154	12.8224747138
0	0
0.6418590523	1.0018005944
0.1515113927	0.3153012129
67.4952878679	70.2301845097
4.5279808257	3.7018565378
21.7756404745	20.5000820455
18.0988004959	10.62327006
16.4472479411	6.7232343359
2.0492185241	1.4215016544
3.505315084	3.6473498061
0	0
6.9997881595	6.6212893522
0	0
0	0.4602171735
62.5645029718	38.0771275213
1.1217128387	0.1458955546
0	0
0	0
84.2976241521	65.7850112758
0.2195438614	0.2284397383
24.0600419774	30.1201747602
17.0886969628	6.4658646613
1.5672270639	1.0871538774
5.7127972317	3.7151742025
133.2016983247	115.6653580467
37.4253618343	27.1521020751
0.3346548924	0.0580358412
1.3878577747	0.7220467581
0	0
1.0347140154	2.1532808737
0.1703039956	0.4430117053
0.8564476238	1.1584959411
5.4898983939	6.1883770719
1.5070163298	0
7.4810559881	5.5601335713
3.963747773	2.0621790516

gene_expression_table

5.7631442468	11.0464896149
22.8570068779	19.0265348718
19.9116410083	8.0852515267
0	0
0.4164741044	0.4333495584
0.6830028515	1.0660170021
6.4181733651	3.5478131771
0.1082833213	0
21.0750953148	34.0278428762
0.430613923	0.6272872479
0.5351505001	0.27841735
3.913482434	1.0180140055
0.4973005481	0.3292870476
0.9774524356	0
96.3656958681	82.4004409769
0	0
1454.1996956675	1980.6881902767
128.1635203997	154.1395422927
2.8787588374	2.852767253
3.9991808434	1.3870756384
0	2.2522188019
0	0
0	0.1957644093
30.9614379227	21.1947300585
4.5112578708	11.7351330234
1.4863884175	1.189705079
26.6207453268	18.9522299664
0.1173463269	0.1221011785
0	0.6404370288
0	0
0	0
25.6159315408	11.8461708321
0.5024296483	0
6.340925602	7.9174304884
2.6977822854	2.0050685194
0	0
4.5960405824	4.7822713009
2.2450942933	4.6721302018
0	0
10.7726598267	0
17.4243432559	16.4036721103
0	0.3222657799
47.9290001818	89.541247304
0	0
1.3066847811	1.1330261733
0	0.2666148893
0	0
3.8387423307	2.9431591835
7.9485547285	4.1353143516

gene_expression_table

3.4860720817	4.8364361078
0	13.5708937779
0	0
1.1416669703	1.8667425948
1.5167722009	0.5918368242
1.5454260413	2.9480851035
5.6787294783	16.2492840168
3.7699486072	0.4903382789
12.8500875182	14.3992915224
124.0216000458	86.0312883023
4.3629140681	1.3619095629
7.2047499242	3.2128650279
45.9871309405	40.3738771125
5.372416655	6.7622249867
32.5509549343	21.3640993711
2.2377065614	1.6057779445
0	0.2199230459
1.3855691513	3.4240663759
2.5050864475	1.5639552536
0.7594488709	0
0	0
2.6551468333	0
8.3670927868	11.0805238047
9.4553620681	4.0710999719
0.3340667664	1.3904123611
1.8657590379	1.3589514755
0	0.2259320446
0	0
4.2413576144	3.9566769915
0.5114738908	1.0643974375
0	0
42.5099513525	22.1162233787
19.4907445317	18.2524553215
69.4036460764	80.2398544907
0	0
0	9.4546524294
0	2.7468316436
0	0
90.7294157949	89.5891348698
0	0
7.7718378021	7.7191716377
3.1180398274	2.780899052
17.615842045	8.5538286038
132.135248026	80.8760846803
7.8452823013	5.0234902746
3.8424225443	0.6663527998
4.8091731734	1.6680133284
4.3779289569	13.6659654975
20.468494726	8.9675260485

gene_expression_table

6.6638354792	3.4669264332
47.5491728378	72.7586126026
0.2503656281	0.5210207946
2.2234271614	0
42.8360019744	31.6315353416
399.3691771685	125.9247099161
26.8494950181	41.9061474219
3.2707726349	13.6132149601
143.3180904138	96.3578945923
34.3819728701	71.5502481656
28.1100701286	19.4993899977
18.1717021191	18.9080161444
245.6454388941	187.4392277024
4.0995292926	0
68.8947767434	85.4722228047
0.6027847274	0.6272094536
57.4291448951	77.3315054165
7.0376575363	17.086584957
17.6500475635	3.0608707071
7.5322056635	1.7416465001
30.2360275326	51.9109565753
4.4746755208	4.6559885493
22.0664546803	18.3684666901
27.8235818839	0
12.1933711639	12.6874443193
0	0
260.579479644	314.1600266811
37.2214760759	11.0656238388
0	2.8300689661
0	4.4426934551
3.8099191986	13.8750374815
18.1038420147	33.9073314501
838.0813788166	266.201770306
363.062888335	201.4795358658
31.3244108545	41.9061474219
0	0
0.5695542081	1.7778973193
90.647228974	49.0465237643
12.6649844768	7.9069003901
9.4443675685	0
0	11.0257519428
4.587214729	0.7955146376
8.9418278883	1.5506915181
207.1600848767	100.9557520931
467.8276111961	361.4001681059
6.9265362613	7.8935980678
23.9004468621	26.9412959509
21.7175324603	3.7662538131
0	3.8042633952

gene_expression_table

0	25.3970451197
0	15.8086517177
40.4428592307	15.503746058
26.1336956214	18.128418772
3.9461488455	20.5302303522
0	0
3.2524992705	0
6.6578452156	0
0	8.078816224
23.0902822688	10.2968126814
7.7670263683	6.7347873726
9.3895574569	5.8620123582
4.4064350553	3.7252986816
0	0
17.4878089904	8.7612353073
42.6932192346	97.7309093646
11.883329108	1.8547259124
0	0
44.7592797451	39.2192989662
4.945714965	0
8.5547159007	5.3408108487
0	0
180.352668556	254.384267889
14.2462804655	22.235305692
10.9236182936	13.8920726956
0	0
176.0647920441	52.8242241448
516.3311099791	577.5467078886
1.1425682592	0.7133189489
4.7845496912	0.6223023455
0.5005883621	0
69.3186850207	3.8987819124
0	5.9730735637
20.2338350833	29.4751888995
0.8796298007	1.8305444767
1.3790335829	2.5110955973
1.5083121306	3.5312144861
10.068584772	7.4832585527
37.8570949893	31.6238067339
45.7138047537	35.6745897815
1.717054531	1.1910861764
14.2074142756	15.1526734894
15.4360579615	16.0615241891
2.3994701176	0.8322320684
1.5747536908	1.1865452011
1.3171229816	1.2983613749
0	0.8350107173
3.0350844753	1.1053229389
1.5165133955	1.3807169593

gene_expression_table

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16.9474475443	3.3588866666
2.0225731039	1.2627164363
3.2413266838	1.6863323222
17.6542027157	18.0293709501
0.1651267001	0
0	6.9110532305
0.4219203123	0.4390164457
2.781603501	2.026019494
0.6726692855	0.6362961101
0	0
4.0766781185	1.5149515591
1.2451125653	12.9556429733
0.1591711868	0.331241548
0.9336926255	1.1404866664
105.5631743854	224.6739029643
54.8614681725	74.3827613612
15.2095405305	15.8258283135
5.3830047797	6.8458171743
3.2183442593	3.3487509763
31.3120198692	28.57962908
1.3001534301	1.3528354078
53.2630614385	56.2018521649
8.3271688757	5.3320518313
1.341376148	5.5829138505
3737.0156588906	3851.2289044824
567.0588487182	421.4542635005
183.6655390291	420.4367923069
851.3838370181	1459.099358535
289.4832641791	60.2426145528
16.1065175085	6.4922835787
36.7434914297	55.8780221427
0	0
2.6598650601	2.0296043554
3.908769224	1.5642891667
9.8674166294	9.7538804084
1.2300403436	0.6399406759
23.4988294824	12.225498864
0	0
0	0
16.3547078986	9.8521775883
18.0469856775	3.7556492431
69.354271306	48.1096624097
1.1480150575	7.167194498
1.9134170133	0.6636494395
0	0
0	0
0.7865477215	1.6368369807

gene_expression_table

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0	0
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14.3764595404	3.1492612705
3.1242194553	0
32.6942714899	25.2399309395
16.1631155536	18.5429694077
0	0
0	0
19.3901087334	10.0878961853
0.6439300054	0
23.0765788372	24.0116375644
2.4252406763	4.2584247824
1.6945026768	0.8815818067
32.4392363629	16.5584032924
0	0.2550275408
1.5717601108	3.2708950824
70.4222966357	66.9589162433
7.8452349508	2.721040809
1.8876967121	0
1.1839247541	1.0559118576
94.3149065241	32.1174095491
7.0028324757	8.9681057954
0	0
30.2453350642	14.192745508
34.2476323812	25.9166110123
0	0
203.9987381438	161.0284154579
10.9501648383	26.0431165763
0	3.7359593268
0	0
8.3424896635	2.4112571692
1.2930312364	0.4484748747
11.5007498789	17.950137221
26.1976033487	15.1439585637
0	0
6.3593156171	9.9254908732
7.9554059313	4.1388787577
0	0
123.368274908	25.6734269403
6.8018720713	0
0	1.7405975261
0	0
115.3524682135	88.0194545962
56.0571181785	25.8175515053
0	1.4072826
21.3996060798	8.9066856718
0	1.3957846378

gene_expression_table	
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0	0
7.8136615049	2.710089877
0	0
25.2188053489	26.2406667001
18.2027160836	9.4701433946
35.2782991788	32.1192981974
0	0
2.6016349084	3.0937744869
2.1930497843	2.0744652345
81.4003344962	59.6923897052
6.0435242991	2.695031482
344.6017372261	202.2673999045
28.3806242948	13.4230008944
47.8534073234	45.2658350734
0	11.6296663685
2.2886514372	0.9525548689
21.6798611118	0
294.8241938215	233.72984068
0	0
0	1.3750313275
0	1.3090617964
218.4255757654	33.4229617491
1.1823048297	3.0755290095
14.1290085903	7.350756709
69.3725472078	24.8130815806
2.1203112888	12.1342425161
1.7544440253	2.7383006615
25.7591909181	15.0766585836
2.0892103773	1.4492431982
0	0
1.1738655457	2.0357172692
0	0.2095346757
0.1696089338	0
0.0689656615	0.5023209616
49.4009483436	22.4062901674
0	0
8.2319097215	2.8551550628
0.2734005968	1.7068724318
31.718832426	34.2734611272
354.386144877	96.5762825873
4.5436480709	1.5759186181
171.274917572	28.8997209257
0	0
10.4003135237	7.4043431619

gene_expression_table

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1.3929097539	0.8696101205
4.3323592735	2.7740957993
0	0
4.1102472806	3.4214349952
343.0944294765	71.3993105224
4.938852579	9.3435890481
0.7333635476	3.4338568662
15.6887465398	9.1416929308
5.0283729229	1.7440405561
2.5782604741	2.0120483355
1.163024234	3.2270660318
7.7321256911	6.1145268008
0.2062755183	0
0.6664768267	0
0.1465263347	0.6098542194
0	0.0404532312
16.9205092774	13.2045938993
0	3.5493652884
0	0
0	0
0.4177739872	0
4.1622965194	4.1144044078
0	18.3441762025
0.6277862714	1.9596721667
14.258174647	21.0574252716
0	0.244691699
16.7385887564	5.5000526186
0.3329188624	1.3856346936
2.5776622698	2.6821086706
0	0
12.9867414079	13.5129617795
0.5825454556	0
0	0
1.2691026254	1.9493485399
98.088800523	47.3865510239
0	2.0244988389
0	0
4.6951902469	5.3196996908
8.0581336053	3.0489627985
7.3855257038	0
0	0
0.7467751676	2.3311030798
2.8275834978	1.8582042068
0	3.5293776828
1.088003476	1.5094522355

gene_expression_table

3.3376138144	5.0852494923
21.5046743519	6.3931542282
0	2.6110273386
3.6685936323	3.817244371
56.3627505341	88.7217171773
3.1508010162	3.9341650721
70.9522069144	61.6674069043
109.8839419712	96.4713535951
0.4073133726	1.0898167769
0	0
30.5704919551	26.7197302366
0	0
2.5283851577	1.753889906
0	0
0.2095694266	0.2492127328
0	0
0.6435911685	0
5.866497658	6.1042070634
4.383769486	3.9097705875
33.3465713603	15.0859862149
0	1.4589064453
65.8314113764	26.4381673172
0	0
0	0
1.021458615	0.2657119825
1.0001514863	1.0406774405
2.5437123797	4.7263984593
0	0
46.8297315698	14.1466249376
333.2917314915	299.1971107607
8.7924304825	8.1321761311
0	0
1.2710385611	0
0.4880534946	0.5078293324
4.2200178085	4.665450413
7.227560643	11.280630105
0	0
32.5197916676	24.4381855183
0	0
1.422459447	4.9336574732
0	0.5348773602
0.5868225429	0.6106004844
46.6599536478	33.6881758568
13.0355026397	19.8934249176
9.3768774334	7.1550063062
25.4844373877	13.0259252422
0	0.5213262546
0.4933318833	0.4448787204
85.4669750929	27.5989907152

gene_expression_table

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0	22.0160393035
7.979849916	2.7677306553
0	0
2.2792295117	4.743166944
2.0472150704	0.5325419621
60.9356901773	33.080761632
2.3064373654	0.3999822972
4.8295816793	2.6322871353
0	0
5.0654804928	0.4392277358
0	0
1.1707866262	0.8121511232
0	0
1.0446051887	2.1738647973
0	0
4.6001879022	1.4078196086
53.43954135	15.5693724844
29.7077931626	18.5469284843
1.8952105737	3.9440083147
31.8955520214	13.9738753343
33.6130163987	1.9430560909
4.0538896694	2.2331395761
115.5362688987	167.6721630065
304.0982951565	239.0731171473
7.7084842031	7.2187475079
154.7149619493	58.821070979
0	0
0.9769749028	0.508280873
0	0
2.7463062911	2.0782444484
0	0
1.5457844204	1.6084193206
5.3071217611	2.0999783756
0	0
4.3863054357	4.5640377247
2291.9543174816	3921.3358573472
5.4309840319	0.8072923579
5.3122685925	1.2283379418
31.1954072905	11.6853982028
3.9318725697	5.4549217634
34.1732524855	14.2231785547
8.8688592733	0
8.3837937345	3.738644363
10.0283355346	5.2173409224
1.2639368894	0.8767675864

gene_expression_table

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59.9445560236	0
1.0915429734	0
0	0.684205996
0.0958472995	0
0	0
326.9757889024	212.2770042844
0.8890408912	0.9250646645
31.976564472	4.9908373469
120.3290460522	43.1032769489
18.8194088928	9.7909839387
18.0051519812	10.2189367776
2.3087028515	2.2100709808
29.6933833243	0
3.0942750364	1.8398025665
0	0
86.7729787997	61.1234837602
5.2501919611	0.4966298885
2.337085278	1.2158917716
3.7341101045	2.3312493352
14.4980564917	6.1889292604
5.2110259034	0.5707553383
4.18988935	1.4532209651
0	4.3909426577
27.244025462	14.6801875433
0	0
5.2838748934	0
0	1.1114564807
0.3308960441	2.7544311275
17.4846904097	11.9626302556
0.5513875715	0.1912432315
0	0
310.5202467312	179.5013722096
0	0
1.2293648241	0.6395892302
0	0
31.9638597128	6.3350532239
16.9965865655	1.1790190083
4.20793913	2.7862825767
17.7440140989	6.1543327615
3.1292386482	1.6280174112
9.9185380227	4.5034627016
66.6643385984	14.0289907407
0.1772551791	0.6147917543

gene_expression_table	
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967.8482171083	439.4466539923
7.1898293962	7.4811599601
5.6083282542	6.2246151284
0	0
10.1242931802	6.1451411446
2.409779127	1.0029691735
13.281200697	28.5024145412
7.799466571	7.2612364135
0.1202559359	1.0010294744
3.4277517809	3.5666436521
4.966793805	1.8949507045
9.0626022333	3.0246583497
3.6840706489	1.2777828379
2.4327863613	1.6875749446
39.4105194596	4.2058898928
0	0
0	0
7.5853856472	6.314195262
62.0739574414	39.3836480318
60.5159748509	15.7420177535
5.2076833046	0
0	0
0	0
501.3498503368	301.2428537175
0	0
1.0203641057	2.123418143
0.2574794749	0
0	0
0	0
120.6783754577	51.368825872
22.36428413	36.5678984106
896.4665647852	423.537637295
2.0961744119	0
71.5965749256	76.5111050984
8.2067303135	4.2696327577
3.3995484648	5.3059463144
20.7951625454	3.9859066034
4.4832570196	3.1654799146
11.9349890957	6.9544118881
46.0829374633	47.9502096077
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13.6163093259	3.6960103497

gene_expression_table

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0.1582656971	0.164678594
0.5309137606	0.5524262885
434.9273968639	142.9107078746
19.6238654905	10.2095104542
0	0
0	0
0.9833935191	5.1162022175
558.8973296149	425.9193636671
137.4768619854	93.2917820415
0	0
0	0
1.1734797954	0
0	0
7.7352943219	39.6687260477
90.0456599879	53.2353940668
10.8599456335	15.066651509
93.0151070249	0
636.4946261122	653.6841637966
139.6362293776	188.8825427993
19.0138538503	10.9912731716
0	0
0	0
667.8031948457	136.4341811316
118.1003897489	19.4030203903
0	0
12.2648502824	20.8829777866
0	0
0	0
9.7701308821	44.0527307447
316.5983632475	613.9318953138
1.1594369008	6.0320853529
0	15.5027559727
2.821636738	0
0	5.5367869579
3.3484541421	4.1809594652
24.7984919265	12.0415503857
0	0
60.2879224887	31.3653890059
3.3402658999	1.7378064297
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0	39.6339029839
0	0
120.4405074378	22.7855881149
0	0

gene_expression_table

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233.0002986111	326.7688809841
1.740517685	3.6220862824
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0	0
3.2372563886	4.2105367771
50.3741715711	45.7880988921
19.9815186745	7.7966873001
27.9786943275	24.1570861493
0	0
40.2769464038	62.8634412886
4.6637710105	3.8821969227
0	0
0	0
0	0
6.2743172344	3.264275707
21.7610166813	18.1142152577
29.24466787	71.002531669
43.5334027549	81.5352627999
195.9565496513	244.1016507474
1.4319730676	0.7449981764
27.4643560818	4.0824581051
300.2117907724	223.9679255972
0	2.1860605844
0	0
1543.7710172887	3194.4981120991
6.7755075114	9.8700697602
0.6361945691	0.1103288427
0	0
0.2478115987	0.515705758
5.7598488109	1.1986473649
0	0.0779461948
0.9727767073	1.5982001692
0	0
0	0
0	0
2.0834856784	1.4452720897
0	0
3.9109567178	0.678237994
37.4506131234	9.7420262686
7.1680779588	4.9723514389
1.7317454614	1.8019154687
0	0
0.0448288487	0
1.6632153875	0.8653042844
2.8448495136	1.6914984527
0	0
10.7094836793	5.8994629342

gene_expression_table

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0	0
3.9450709376	0.947290266
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9.3649602503	8.2452841443
10.494755818	9.4137943036
2.1427465821	1.8579752327
0.7428162151	0.9017341566
33.4355590188	15.8138007802
3251.0022964224	3063.1040612541
3.1058776581	2.4237954369
1.660249325	6.9100892882
0	0
1.8476517009	1.7623083571
1.8860001715	1.1543650302
62.379137468	22.717355023
12.1221037112	8.5999698562
18.2599276192	6.9999324042
1.8809637652	3.9143601416
11.2910657419	10.6805251342
1.3541681393	1.8116212925
2.5622452028	0.7998200721
4.5444741136	10.1327472177
0.7753194284	0.6722793575
0.3777447315	1.9652543924
0.6911611536	3.5958343817
2.8624457341	2.9784315084
4.9698056289	4.3093176986
0	0.2424405435
22.7227148203	21.0163867046
14.6915921676	7.1938318956
20.0892052026	11.0664085235
0	0
4.0615614366	2.3051646319
22.1724952468	14.9282427886
6.0676569984	4.3708966222
2.7528087508	0
6.9928188387	2.1828499713
3.9342447713	2.2742553585
0	0
0	4.7194225237
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3.1111791335	4.1621702649
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0	0
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8.5840933592	0

gene_expression_table

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0	0.4278271047
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0.2690214347	0.2799221337
0	1.9622964472
0	0
236.787621047	49.2764423742
0.3803223994	0.395732993
2.6720082258	1.7692675046
37.0413134242	22.9169960483
1.1575041033	2.408811913
37.595438079	14.7404167547
0	0
2700.627534915	3690.9868655003
40.0591023427	21.2845735132
0.1960562662	0.102000215
28.9614278166	7.5337348853
1.1058119824	1.1506192804
0.7587869127	0.338371208
0	0
41.4670894546	53.9341603591
4.6516640822	7.260222982
7.2530408141	0
53.207492256	28.4726314539
24.5750088762	5.6823963806
0.5671313155	1.180222744
4.1699691153	0
47.797869372	23.4045318785
35.1649646363	37.5280436218
0	22.5251137379
13.9686392075	12.919685242
0	2.7832797039
12.4767412505	12.9822965096
14.473115647	21.3343818081
3.7044305375	5.995940815
3.7579403709	5.8653171346
769.4277687004	947.2502813147
0	0
0	0
11.9785699932	7.4783636668
0.6729155988	0.5251365112
5.4539638601	36.8872235675
22.6544135054	12.257630409
15.748050061	0
1.8019275723	1.8749413459
0	0
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gene_expression_table

111.6822460718	116.2075901275
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20.4430759535	19.0085080085
2.0703921698	1.8311414675
5.2371422296	0
19.6400548905	17.0298885832
11.3687951079	6.4524308691
4.0006209518	1.3875751255
0	0
0.9857396874	0.9686993626
5.1673136665	3.4215314415
0	0
15.2441277326	14.7151796104
4.9097244047	5.7898209385
0	0
5.5446969138	4.9451717248
2.5444836203	3.4418613168
27.7992590106	13.3503137858
10.1255882609	7.7632764879
0.566976952	0.5899507538
0.942997143	0.5519290577
3.2096661353	5.0095818246
24.9656727709	87.6733106736
1.8188560595	0.2365694715
141.0545417437	74.5498645404
9.4741428183	2.2404621231
17.6961691403	9.4773898969
0	0
2.1913151603	5.7002671181
0	0
5.2583417938	6.0967127024
0	0
1.5425173855	4.8150597183
88.2892003951	36.0904745714
33.0229602451	6.6937099707
30.6744398126	8.7047352186
0.0433238007	0
0	0
0	0.015160907
1902.5475072166	44.9917814101
254.8604754868	34.2177258124
7.0732540639	0
97.4872580068	0
0.6245745769	0.6498822238
70.3995811841	52.3229708975
9.8806491269	0.6047653654
3.660602224	6.348215254
1.6599847171	0
0	0

gene_expression_table

6.1443059415	12.7865441748
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1.0882995314	0
9.1757571143	10.2819845733
0	0
1.2580369588	1.3090123848
4.8507019574	1.261812877
4.336348315	13.5361690519
1.9110901396	2.3613760029
0	0
35.7211684276	14.6838848781
3.5848099615	4.9734210685
97.552459966	203.0105353784
0	8.8326901389
0	3.5293776828
2.3113157524	0
271.1822487201	18.2045486146
37.1355689684	0
124.0979851298	27.6699455672
0	0
0	0
51.2392680864	65.6190446753
4.6054431154	2.1782067376
66.071048093	7.6386927557
10.7487157906	11.5699156305
9.2437245255	5.7709671252
2.0127527719	1.0471545719
5.7093225114	3.8534031624
0.517805512	1.0236951026
1.3725311184	0.7140729134
5.3452825707	3.4761702729
1.5173994514	2.9823368181
10.3764549032	3.084830556
0	0
0	0.8625494979
0.8512763882	3.5430798029
0	0
22.2652515693	15.8862414617
5.8942467128	3.8735245293
1.0738990564	0.9311777071
0	0
123.7469300092	32.1902832094
3.7733987262	1.3087653827
11.0251978661	5.7359684272
93.4637497172	45.383745705
2.0934095314	0
18.8071556098	12.0425957499
9.7240476	14.6711931177
13.3760778381	6.2631333226

gene_expression_table

0	0
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37.2378648993	23.0476276454
0	0
0	0.3925392499
0	0
0	0
1492.1272118517	2098.7243902881
0.1110853947	1.0402789902
6.7371777968	3.6895615796
4.87015964	0.6538706596
0	0
25.1916543602	8.9505809224
13.7837771502	0
6.8825361981	1.0230593283
64.5914208317	50.4064899868
0	0
0	0
0	2.345915248
24.6371770765	10.2541883829
0	0
0	0
132.7894120117	42.3586905909
0	0
22.9759353448	16.1005760926
21.5705777287	13.1383103814
45.5050150271	34.9479753734
11.4838184696	10.8628551639
0	0
6.940043458	3.7443532734
32.3103210261	12.3271607387
1.3751644482	1.7886073232
132.5012999813	143.7621183666
2.3295710596	1.2119824251
0	0
0	0
24.8329821795	32.7296660594
0	0
2.2154462343	0
122.0713333987	26.9431360462
3.879319461	2.0182543858
0	0
42.8808917969	0
0	0
1707.3385956635	2264.4370076017
2.5838971958	8.6035079507
23.436039623	19.5085309081
0	1.5826791307
7.4428702879	23.2333620663

gene_expression_table

0	1.3693305343
8.8672862227	15.3776450474
26.976793141	14.1712055084
0.4640265802	0
77.2911890963	50.4614988882
0.741455655	1.1572489526
14.4622001019	15.0482057883
0	0
38.2261432955	18.8408176988
0	0
32.1442688924	13.2633658843
0	0.7110277015
0	0
21.4197770881	12.7358300077
0.4312557987	1.7949208173
10.9289414761	6.3966263475
3.7681622166	2.7676570278
0	0
27.3927688205	10.1795424184
20.5165731912	5.3369752402
75.2440933738	74.1722875471
29.835685599	22.5779069732
0	0
5.0127432878	6.3749384395
50.8497301818	11.7578115311
0	0
5.4835757073	1.9019230619
6.8691618197	7.1474989924
0	0
1.1153844033	3.481738722
64.8743029667	39.3767487066
0	0.9984931795
406.0864959508	172.1463520848
33.5329503087	13.4198843398
12.922837668	0
69.0499867484	9.797438114
0	0
0	0
0	0
22.6599259226	18.6142910135
0	0
0	8.3625910564
6.320483416	6.5765882407
1849.98610616	1848.4085465197
0	0
244.5046511962	544.2203124062
5.952444428	3.4171786928
5.6601133469	5.0481086554
8.1142235299	6.3322577804

gene_expression_table

0	8.057543009
1.6412113561	1.4230941151
6.2749922551	0
21.9951841435	43.0803293303
0	0
0	0.5352791429
0	0.2424202068
16.571531054	13.2638511095
6.5678225093	5.2568842066
20.6646777718	18.4302914673
1.4214685524	1.4790661966
0	1.6854425112
1.9890888726	0
27.9138803594	29.044945654
91.7653445736	12.7311545928
54.246047081	19.8599565105
0	0
85.7689358585	39.6641232683
103.8809785225	138.3554773156
14.0787833635	3.255389572
4.9227957313	1.7607791122
4.363599522	22.7020588576
0.8053248236	2.5138693117
20.2223767186	35.0696395022
3.019493853	1.1781911956
0	1.520371114
0	0
5.3756730886	0
12.1592475868	7.3802972023
0	4.3699174787
0	0
13.7448838738	6.7745482288
0	0
0	0.6724253521
2.2047770129	3.2117598404
17.458603879	8.7196911816
4.7854656575	0.8298953075
1.4388349659	0
41.7920666447	39.8616840355
1.6889213109	1.7573560916
6.5108757861	7.4521648021
0	0
0.9267371024	0.3214294397
6.4069921471	6.222162137
1.7690956926	0
0.4639792086	0.6437060809
0.9952497712	1.4239185245
2.1314683098	3.9921030241
0	3.6075600998

gene_expression_table

1.1402515646	0
3.3145766574	2.5291806419
0.3779589162	1.1798212258
70.1368124856	78.8004093445
0	0
8.5811465369	2.6455860786
0	0
8.6072603615	3.6308209327
0	0.2945444633
0.2840102695	0.7387957834
10.6305734326	4.8393285113
161.2177098277	64.6377001268
8.3327562182	0.9633775518
0	0
8.0694594647	2.3989807077
30.2259732308	29.3540091628
0	0
18.247562633	18.9869505124
4.1385562685	0.4784722008
36.3855602065	28.9516854894
34.8104163843	51.2088982765
32.7695697276	18.3601312794
12.1793927936	12.1219039155
8.5833564639	4.465576244
0	0
0	0.4178272905
0	0
0	0
0	0
12.1610912594	17.7153990146
648.0072550061	303.4189753708
16.9126386075	12.5699540079
25.9907432844	17.6373152731
0	0
0	0
0	0
0	0
0	0
0	0
0	0
38.6659894862	51.829220528
125.8515471648	103.8026446955
6.5161728533	8.0925051028
78.2591082231	14.3700269797
1.2382662041	8.374863398
4.1169491019	13.7080547896
0	0
0	0
2.7820678756	2.8947967538
0	0.5023417508

gene_expression_table

4.0075961221	4.1699831793
0	0
5.781964925	4.0108327197
0	0
0	0
0	1.7202214837
16.4952354902	6.8654477585
184.2943969822	78.0048699776
38.3325841304	14.6947733521
38.7999687417	32.9351638514
3.4227297434	1.7807090613
32.4890979034	26.5615037056
0	0
5.7044454272	1.978529502
0.5861414152	0
2.2642101324	8.2458442859
39.8547957265	46.4660546796
8.6855037741	3.0124795962
2.4152792278	1.8575426199
6.40628843	0
283.2452295526	138.2145837265
1022.059430168	1074.4650600919
2.00553435	3.1301973491
9.3576212115	7.4185068957
0	0
30.4940936953	42.6084660483
0.3408622828	0.5320109396
0	0
3.4031353408	0.5901716264
0	0
3.0042104708	5.7709671252
0	0
17.615842045	100.8129799735
0.3960403673	0.4120878501
4.6986174682	2.93340275
20.400412027	14.5935851653
26.9818704384	29.592747666
1.7442523105	4.8398109149
12.4438253641	4.3160156258
0.8549150255	0.7278185659
92.6890075916	45.1112536205
0.3542604049	0.9215374281
29.9220491523	21.7941395538
562.5723843626	132.1798063499
12.1834965452	2.5354339166
0	1.3926457759
0	1.2237002509
0	0.5762081732
0	0

gene_expression_table

0	0
238.2677299026	191.46474226
2.2588902821	0
0	0
27.9900677297	64.9227406898
0	0
11.5601724833	15.7615987826
0	0
0.9601213692	1.2487816379
11.721952177	12.9592312418
27.0090544158	36.5683528146
85.8507608307	52.9359513236
0.3002411822	0.6248137992
0.9516774881	1.7329187483
5.8365741715	6.8828138938
55.4278452874	47.7996626587
35.6184693132	16.8462377883
1.5025323753	2.4754066251
6.4703310874	3.6251964604
4.0658791594	2.4175016198
4.0333811798	2.7978753619
3.5485824109	2.7692777378
1.2910909514	2.4746947457
0	3.3552307576
2.206114335	1.4607763429
3.5296712767	0.787005623
2.563682154	3.3708284504
0	0
1666.4586574575	2409.5611473154
0.7208840544	0.5625706077
1.8619649804	1.9374114587
2.5662968975	2.5297415768
0	0
7.6300140751	1.9847952103
2.0528689775	2.6386510508
12.0829014	26.978486023
0.1806717771	0.2255910772
0	0
21.2844531458	28.0790993599
28.908410124	18.5106298964
0.4497742726	1.1699976084
53.1117307401	32.5081225261
0.8515591392	0.8860641588
15.2139910439	12.7861400914
3.6656078867	4.9583789367
20.2264675016	29.4644563389
101.0412351858	41.3031957795
41.2376351859	63.5682615909
0	0

gene_expression_table

0	0
7.3900605652	7.6895044592
0.7270920646	1.7022458278
1.7255441656	2.244328622
4.4118888527	2.203515733
0	0
6.9140489885	5.3956537357
432.5015070009	104.611397318
3.2030855794	5.5547900293
2.0832990125	1.8786853844
1.4868209502	0.6188266646
9.4697107697	15.3275448779
0	0
1.0081419585	0
0	0
0	0
1.9934624389	3.1607423543
21.4749826992	7.8509969079
1.7707063923	1.4089362449
44.8584185166	21.0371034946
3.2518927359	4.0385605403
52.2605615824	74.7699561387
217.5958630718	86.2524980552
16.7680973292	12.4145940237
0.3455375834	0.3595387027
0.6875113072	0
9.1979939552	12.46708951
1.3793665082	3.3489357656
0	0
0	0
0	0
0.1197529899	0
2.126113125	1.7077116641
0	0
8.6155287965	1.1205785547
6.6546548097	15.925890455
5.9776122106	4.1465493048
0	0
1.7615221354	3.0548311468
0	0
1239.4704552655	1891.364868297
0	0
0	0
5.7413183395	3.4136888582
9.9199335635	3.7534136166
0	0
7.0534946985	5.8714408044
0	0
0	0

gene_expression_table

2.6236901415	5.4600031663
8.8868315777	17.5691562795
81.9214338333	26.742235374
8.4778293579	14.7022490719
4.2121512329	4.3828268256
0	0.9212045134
4.7454921427	3.2918524073
4.5859944341	4.7718180845
58.1458010278	20.1672860612
7.1269481769	2.780899052
82.0915594807	89.6887890799
1.7668136741	4.5960115976
2.4610495089	1.7071805214
86.1466278984	9.9596970451
83.1472093891	67.7859819049
145.1086823634	157.799968915
7.6972686257	7.4370776384
9.9274547696	3.286726994
141.5552055602	77.327773129
29.6113088196	37.6580766258
12.7600203481	6.127871088
52.4844911174	63.7130118773
4.7778522577	5.5563264167
0	1.1315474129
36.5273451464	12.6691421496
1.3297096808	0.3458973181
0.8479411069	2.6468985736
0	0.4296504424
0	0
10.503994059	5.4648069825
4.0697942644	4.234701579
0.4566641065	1.9006722082
48.1834390839	23.8742015083
2012.8841008124	1133.8725457445
7.3099197841	4.2256202158
18.1002197975	13.8774170112
34.2822188327	108.7975504919
0	0
27.0561537891	16.682941725
61.9309504165	32.2201905645
1.1629565982	1.8151190783
7.4693622592	5.4861313717
3.8990609674	5.6798702802
9.8142441546	13.615887362
18.2682419785	19.0084677812
0	0
41.3969856945	43.0743839357
3.5870219498	0
0	0

gene_expression_table

172.2791194943	85.36182748
0	0
6.5331727917	3.1990097651
17.0603875661	14.2013370642
4.9725503717	2.7231774724
0	0
6.000734985	1.7028773624
0	0
0	0
0	0.8381589596
0	0.9283559565
14.3166551328	45.9316870383
37.4578619309	60.6287851589
1125.3745531217	282.2885010534
0.2478337112	1.2893794378
0	0
0.3891806703	0.674916999
3.7254250578	2.3732930177
1.4940011273	1.0363585187
24.7705284809	15.1090288797
25.5946989005	15.2181665081
0	0
193.8626631622	118.65761329
43.152775593	29.0537940761
3.6866923089	4.6032916832
53.8977013339	34.8615514664
0	0
3.2574883622	2.6362631486
0	0
0.6155199296	0.8005758549
2.8024455169	1.6200000519
8.7449152075	8.1414409767
0	0
6.4441556746	7.6631676303
1.208279189	5.0289537574
0	0
36.5547656721	16.7358215416
6.0819659031	6.3284060421
53.2499970429	85.8818995397
1.2876734239	0.8374060713
0	0.2710111056
21.7873333219	34.9498177563
136.4352117217	50.701264782
0	0
0.5015978862	0
1.0870808177	3.5190684117
1.4509870766	2.2646712088
0.513913271	0.1645344437
11.2257235262	5.8402938887

gene_expression_table

10.0473812701	2.090899862
0	0.2107264001
0	0
0.4989845368	0
13.8666123494	6.4126599687
880.1718261219	200.6117448568
42.7947030934	21.5793108072
0	0.8935754989
4.7746795526	6.955408165
6.3459964107	4.8912111239
6203.1851959224	6137.1990225599
0.691132489	0
11.9802922894	4.1552438427
7.2663236132	1.7281722763
2.8769247431	1.4967486021
0	0
83.2189092363	97.4147896373
23.1099522598	28.8556359264
79.3261169789	38.0955676795
30.2326199539	11.4391418728
188.4136562437	62.5685562501
30.3648086998	19.7469907248
0	0
25.9098199897	4.7575907871
32.0678381807	44.4896281089
531.9801207919	747.6199862579
262.078639188	84.6304191969
168.7777957979	50.8363960847
189.836731299	167.2767097919
31.7028185572	13.1949643721
56.0468158338	22.2163133318
259.4190645412	62.4329457678
0	0
0	0
0.8054415937	0.4190389694
94.5955718519	41.0119029221
6.3686318119	0
26.1507831692	0
330.1734269041	190.862218552
4.3027592498	26.8626375762
47.2635922202	20.2500547027
81.750802064	26.1733321592
119.3546969931	30.3963808194
2.0936349625	1.4004441423
124.6764634658	43.7637742521
20.8295221995	10.5847475049
11.0361500494	11.4833328182
9.6268170371	1.1784581049
2.746532604	5.0011877993

gene_expression_table

12.1255783953	18.9253569002
22.6630960401	17.6860503904
7.6560122088	3.6767226528
13.7342798637	22.9673416435
1.2001574737	2.0813127227
16.2049551203	16.8615769192
0	0
0.4359284755	0.7257475473
0	0
4.5574409258	4.9001778464
26.9898072275	15.7267203794
17.4918294755	3.1380336528
3.4128398183	4.5196167668
0.0918791817	0
0	0
24.8411449913	33.800843188
115.3186036238	99.2655235623
7.4773206971	12.2846847718
0.5509864961	0.76441649
3.4330647171	0.5103102668
6.2780713965	6.9167199113
3.9110616177	3.8369921366
3.4788812317	1.0342413883
1.7300914199	0.3600388812
142.7414336561	93.0758485731
81.4062787158	72.9105004805
1.7924306861	1.8650596476
0	0.0361519157
8.2959982947	17.2643012375
1.3987046301	0.3638449711
0	0
0	0
7.2360341184	6.3708927523
0	0.136317295
18.3901037366	17.495101582
4.1317249084	5.9258438839
2.4632078775	4.1008265718
12.5163489622	22.4447710339
4.8667094722	2.0255630577
5.2822683953	3.2529151677
0	0
42.3271237675	42.9129235698
0.4890704518	0
5.576756123	7.7369670062
0.1694158143	0.088140256
16.3378299751	101.999015032
7.2377483445	4.1078294047
28.302741104	23.1389423292
0	0

gene_expression_table

77.464230399	25.8242835242
1.3782067216	1.4340514043
2.0537222086	0
0.0787584849	0.0819497642
7.7102501987	6.4698936433
4.8720925544	2.1122953533
4.5506790209	2.4552223616
16.7981317218	7.8654550173
0.7475870072	0.6482325793
0.3064300714	0.2391349211
5.7967445315	7.6766168857
12.7479032092	22.8697343121
0.2720082686	1.1321199742
0.1570249472	0
3.5978862151	3.9575960111
3.0208411834	2.6596689411
184.451456051	83.9070822807
3.4003682561	3.8598006022
2.9446125396	4.6624986705
0	0
0	0
2.5212072314	0.9258939122
0	0
0.6617815759	0.8263162122
1.1623482301	0.0863890262
6.5959179001	10.2947749191
4.7045201707	7.9546130009
1.864650262	1.2934703649
0	0
0.1254750066	0
1.8622250677	3.3909436482
1.0599173951	1.1028650528
3.7188053501	3.2245755487
5.7797538977	2.5443628108
0.5600694542	0
0.5043913731	0.8397267499
0.4937850357	0.4281609287
0	0.5605428511
0	0
14.062942257	0
1.168972981	1.0642971072
2.526712323	2.8681028087
10.4922221363	11.354059648
0	0.0837681164
0	0
2.1012970708	0.8329299967
6.5797341092	1.9560982069
0.4250736296	2.653785209
51.6520627923	29.7011813756

gene_expression_table

0	0
4.4940735748	1.1690431522
4.4602354542	2.2541822102
27.5116992827	10.4096248269
2.3570540731	4.682162807
15.6592619569	23.6259699355
5.5731918001	11.9846341126
0.0690724276	0.0718712297
9.3391503017	9.7175709531
0.2094851625	0.3051628478
0.6499347348	2.0288099119
0	0.1423251805
0.5868225429	3.0530024219
2.4984387668	2.5996750458
0	0
5.2550728003	4.6868634712
248.8489782166	245.1225707191
12.4973984811	7.2243282041
2.6751797797	2.4124338958
0.5240559628	0.5452906139
0	0
1.2825051236	1.6310213274
0.0890230807	0.3705211183
7.3431003715	6.4342243764
37.4555232993	22.7343749556
64.722448597	71.2336774059
0	0.0449504932
0.2056328203	0.1069825122
0	2.2476207985
1.0732471389	2.1093881736
27.3324365665	0
0	19.7943294012
1195.2812402326	2360.0849206435
0	0
20.8458190083	22.2612900672
0	0.0465753931
0.4237118376	0.4408805633
19.0222233108	24.4501768391
30.6539217927	26.0967379597
14.7959456713	11.7730100392
0.5500952854	0
9.6594007063	5.8833938605
3.3156758008	0
10.0297529995	12.9661341378
11.5266031987	10.494451659
0.0278734475	0
9.5632157749	7.1076539414
1.287138841	2.3437635724
0	0

gene_expression_table

5.5267677886	2.1565167758
1.313095326	0.1951859581
0	0
0.402854173	0.2934244249
12.0371588094	16.4613001249
0.3522581933	0.2748987228
0	0
0.8946788547	0.9309310773
7.159523554	9.1050986042
60.2711679776	57.8265904855
1.710284703	0.4448962811
0.2117442053	0.2203240415
0.3732489665	0.5340128006
0	0
2.7508396459	1.7614173305
0	0
49.1658420619	12.7895082333
14.834629112	27.5637956308
7.667166586	11.9667581473
0	0
0.8163484098	1.0921200392
1.2511055245	0.4339333634
0.5306348217	0
2.4168650423	3.7721939534
0.5659564128	0.1962962875
1.8663916177	0.7061881682
3.7933451154	2.6313671742
19.9995038399	11.9656810314
0	0
0	0
88.5428422966	52.4930060062
0	0.6161330546
0	0
2.6796247909	0.6970506736
5.229178244	5.8596069366
0.100161801	0
0	0
0	0
0.4951764754	0.2576204675
2.4210639349	3.3588866666
0	0
0	0
65.3263265664	23.210407857
0.4303314803	1.343305298
9.1934092909	7.0150113317
0	0
0.3205152802	0.1482233335
10.5316536178	25.5695866628
4.4188635545	2.4084317151

gene_expression_table

0	0
1.453581628	1.5124804881
6.4893249901	0
1.2370545361	0.9361307332
16.3551302935	9.5165536766
0	3.5033503496
0.431282306	0.2243788929
0	0
0.499119042	1.4281939478
4.4611394926	2.7851424263
0	0
0.4810237436	0.1668382457
32.1474987732	16.1968951296
2.6701789096	16.6702444052
33.2915155332	32.9368513719
15.3289261433	6.3800205637
6.9178575	5.5370521636
0.738326665	1.5364870512
0	0
0	0
2.1244469257	1.7684232993
0	0
0	0
0	0
1.3706684138	0
83.5720418438	33.4455252299
152.7734874644	112.1262807465
0	0
7.1250980957	2.1182302169
50.6650719268	16.4743785363
11.8964781372	12.3785212418
1.6763491172	5.2328234248
0.4231953521	1.3210294496
161.7812703075	103.3238549434
2.8348365356	1.4748517951
19.8719133968	223.3128924384
16.1769665819	60.11590818
44.4050651016	561.0528234538
46.8704812888	257.1491404285
4.6165943495	2.0587105298
13.9510980114	4.1475411243
18.9211870991	13.1252467453
57.5087104635	23.9355811308
0	12.9181383448
122.9698636026	28.6011649061
96.3873226918	94.8716803878
4.5799806055	5.4463549448
103.4453317879	26.9092293982
385.7017995477	188.8613484596

gene_expression_table

622.594540321	520.6793295281
4.500563516	4.4227629924
0	0
14.7233172016	2.2979854957
17.9259194524	6.7826452398
173.3637094884	152.2026914815
58.2127740993	16.3706878356
282.5015578016	159.4826799509
201.3712126358	27.9374316146
17.7622964982	4.4356851559
26.3438842597	24.5259300643
80.6646654875	45.78173612
138.6789451421	53.649327228
4498.0327399039	5509.0939421711
17.9142606911	5.7848720391
15.7411082254	2.7298225056
0	1.8354856098
14.7910531727	10.26025595
0	0
0	0
31.1138658973	9.0648863247
36.247624766	7.54327437
470.1293931603	297.6705948894
37.3308906892	27.2305169343
2.7583981485	9.758570975
5.483247654	0
71.6307115232	9.3166468463
132.4596010603	62.8328239882
0	0
1.6147855208	0
21.1469001071	14.2377326283
7.1578545387	15.4686935504
30.2464545059	6.2944070551
11.1241203034	4.085247392
0	6.3214847085
14.4815003907	8.9039884352
2.1858062139	2.5270829771
118.1013074826	33.2818283214
5.6190125852	1.4616734852
11.2598557936	0
0	0
3742.5589134505	2300.1376684842
2.2069377002	0
6.3456512007	4.7162684424
378.1534092328	200.4039844322
12.5618774119	9.1496176608
0.8127480772	0
2042.1931214372	862.0762805586
39.9200275533	13.8458599075

gene_expression_table

288.8007977795	332.989758676
35.4113611869	88.4309352594
0.7830693843	1.4485319317
4.8826799222	5.080525214
24.2698864452	16.0702804036
16.872290286	6.0537766838
59.209758659	22.7953030574
1.9765848149	2.0566756678
6.9982515799	10.0125017381
0	0
0	1.9538940284
1.4177800387	0
0.9375294838	6.8286260415
0.3333050637	0.3468105235
107.8508250561	69.7129961535
2.2525038454	1.1718874433
12.6164942702	28.7559412196
449.2647164305	76.0995786132
50.6287283586	11.7067100252
0	0
6.0789153525	4.9020547099
10.8634853811	45.2146872372
14.8202845031	8.5671109464
4.8944711409	1.1317320468
81.0676984945	14.3578802923
108.4580968082	98.7461990629
2.0802130289	0
74.8759857324	71.8232322923
3.0883221969	4.2846139252
2.6071005279	1.4796762335
0	0
13.7282635397	3.1743400559
176.8847727858	53.0919551606
2.7956025121	0.7272199528
0	0
0	0
38.1400844971	15.0531258867
2497.5624011639	4664.8720448381
5.2422493864	6.0001308034
26.0802683047	14.6686680953
65.9418438753	29.1864651447
0	0
49.0365659563	20.4094074334
0	0
0	0
7.583429613	2.3672126356
0	0
0	0
0	0

gene_expression_table

5.031578072	8.3767307031
16.1663319339	4.7444942568
15.2011936182	11.1877354241
72.6970477297	88.2498385111
14.4306161845	8.0851842057
0	0
1.315694503	0
225.3573985174	141.9274550802
2.1421429126	0
11.4112582371	7.5559529313
177.5447826982	133.4974277152
6.5125497741	3.5665458381
73.6987439562	22.5544127932
5.2672692884	4.3845584564
78.1285186781	92.4869614814
0	0.3623335121
8.7448528787	1.7611340725
2.348498856	4.6993453796
0	0.1281574604
6.956137432	5.3078658163
8.8009435303	9.1575561423
0	0
214.7671246018	118.7181447614
2.1477750451	6.7044074837
16214.5124524467	30957.8247187514
34.9374609342	13.3294774877
0	0
9.2273458331	0
27.3055654179	14.2059909515
0.7265056489	0
0	0
0	0
177.9230471143	148.3782186013
0	0
25.9572999604	20.256813733
5.628931786	4.7413931486
1.7020600808	1.6234416385
1.1598605609	0.3017144744
6.4676839569	4.7357523366
0	0.6396337953
190.0563342062	146.5731183407
94.6179507428	166.1375014184
0	31.1867492004
40.1058457527	40.4663536883
592.1137696467	183.6470137406
1.6288326238	5.0844978659
9.6642314753	15.8020097022
0	0
11.4101927933	5.9362658526

gene_expression_table

0	14.0688296596
15.7758787389	56.5409497443
16.5734326948	0
3.5003099134	0.4046824252
32.4255803111	31.4901616002
1.4068878493	8.7833681159
2.1707159795	2.2586729915
15.7400550888	7.9841966217
1.2599630715	0
0	0
7.2028036413	6.5578274293
1.6467796408	3.7125981722
0	0
4.5535211969	8.1223354932
0	0
0	1.5909562855
0	0
2.4137581945	3.1394540403
0	1.7289692447
507.183069661	216.7479069431
0	0
9.2804454657	22.5318039518
499.085500042	189.9908607244
804.1248113046	355.9130196833
571.2639863958	679.3274262663
1.1904126419	0
0	0
2.1878149632	0
0	0
1.44065932	0.4996781902
0	0
29.5802639123	16.1993951377
0	0
56.6244871715	76.5945712609
19.9456452119	20.7538390849
15.5871264582	5.0683481104
33.2774868398	33.5208030622
0	0.2053387715
1.2552178947	1.3060790928
32.098722134	25.0495173353
51.3316955298	53.411646385
26232.3258007795	31702.7038917875
4.0293502042	0
0	0
48.4092425647	28.2567768723
4.5301788746	0
101.0110985797	16.7387931008
50.2582769709	19.2664806172
9.2916568579	4.8340765418

gene_expression_table

13.2356665582	16.2203241456
2.9327443486	0
4.3404896444	5.2690930669
0	10.7567199475
0	0
3.3206309803	2.5913867523
0	0
0	0
4.3185556709	2.2467713759
0	0.8178780508
0	0
0.8822843379	1.8360686738
4.7872986425	3.7359593268
1.8517578978	0
0.454670593	0.4730937617
8.1203520975	6.759509816
1248.7290564356	1044.102317121
50.6277573211	49.0874221345
0	0
0	0
2.3359386844	2.43059049
22.976581844	10.2461094478
167.9811001314	0
220.6106165677	155.3875015152
40.9926391658	12.6277263237
10.1613332772	5.2865343157
111.1384062032	23.5566454378
6.3383530553	3.2975909773
72.0964808542	117.8851409826
2.2691430521	2.3610883109
0	0
31.5780279622	26.8834613263
15.300016365	4.9749906913
126.5177393019	123.0587225424
6.6558508535	2.8856436271
244.5957124757	98.7430310745
0	0.656078721
89.7970074416	51.2388585855
1.7486449711	7.277998974
61.7826643685	18.7501085793
66.1818370714	96.4089181002
1.1379028047	0
3.5612318455	3.2938064928
46.7284458052	64.0718150454
0	0
6.5863303049	4.721098291
55.0116038774	57.2406639416
3.5115022884	11.4833328182
0.6471432789	0.6733654054

gene_expression_table

270.9093599557	236.1752237341
122.6977592505	127.6694498728
8.7136382677	5.4742419843
12.3666229724	17.546885808
38.0759784644	28.0633238236
3.0025380453	3.64490039
0.5272852465	1.0973014954
0	0
8.5105418584	20.6625707124
131.7705844062	146.2505645162
0	2.0134501342
4.8476446935	6.7254271523
74.2297842965	0
4.6692593372	4.8584568662
0	0
2.1958870173	0
9.5456516784	18.7612750409
0	0
0	0
12.8977322244	23.1128180427
40.3566029413	33.5934760519
0.3795601087	1.579759258
0	0
0	0
3.1182273611	0
0	0
0	0.9377951625
3.8896568679	8.0945300967
1.0859237961	0
0	0
0	1.8602974526
0	0
0	0
2.9596992407	0
0.5747598322	0
0	0.7336506264
0.6367090733	1.3250168155
0.4801920982	0.9992987872
7.1406055595	3.3021962589
51.7942256635	73.5681104967
11.0740413609	9.6022995655
456.486815198	363.567676171
28.9315739142	35.5773079578
6.2609592641	13.0293043623
38.2970380499	21.672169061
143.0963027748	85.0825935007
41.5383897261	6.4031877974
4.3052603693	6.7195630907
238.5898958915	114.5803913356

gene_expression_table

111.2936443794	136.2391086659
28.7444356612	28.4136971586
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0.4062254485	3.3814850314
163.7148419622	175.8436513308
11.9802922894	12.465731528
33.0305221778	46.5412361607
0	0
113.8069327044	52.2886303224
1731.2386663792	1512.9305607706
46.8225931853	50.9343740454
446.324842107	285.3602647073
3.244662495	3.3761356222
5.324406806	1.3430668581
290.3097588602	234.9457108892
30.2538078156	13.6868202348
16.4588509379	11.4171736991
87.0557791611	82.348421191
589.1330988985	343.5949707001
0	0.0577957815
1.5851409279	3.298741093
30.6365599369	31.8779477069
211.6260128381	104.0950465116
0	1.4123835265
0	3.9588658802
1.401681098	0
1.3472864884	2.8037565778
0.7504542274	1.5617249892
1.8644648215	0
2.1743507545	3.7707584115
0	0
32.25911471	15.5550905833
0	8.4419827436
0	0
33.2626478534	8.6526110556
15.9867484407	13.9730039779
70.0847098931	50.6420343325
7.1205227292	5.3345123998
37.4593708804	40.8632120986
138.5304759647	37.6739229903
0.4326890631	0.9004430885
22.6531816848	4.7142168875
48.6945018782	23.0307246055
3.924054294	3.175710418
308.2948516296	63.5793860366
0	0
2.6877402095	0
2.6535965883	0
4.3619814352	1.13468203

gene_expression_table	
0	0
0	0
21.5503613564	20.821893887
0	0
0	0
13.5812863378	7.6093217634
13.3159437642	8.5772163624
4.6913664411	3.9939216103
5.8574996747	2.4379377934
48.9074984425	36.158130908
0	0
0	0
0	0
0	0
0	0
21.1247188894	8.7922754443
14.4209849206	7.8975371449
12.8982868224	11.3018299204
0	0
398.2212149541	181.9128579327
23.1131575237	18.9622622099
0	0
1.2844271953	1.7819625985
0	0
7.3151543286	0
25.1013557751	11.2944683637
25.8698008565	19.2271717327
5.9406946774	6.5067479288
33.3053835894	32.1795607738
4.1819784191	2.4865322371
0.6771607133	0
5.55824073	8.5050876785
72.0930534008	0
0.1244852136	0.1295293315
9.6988630978	3.3639530818
6.9074750736	2.774070583
18.8513422789	39.2303903969
33.1523605595	34.4956881077
71.8194398369	29.6341320237
0	0
93.2148355733	37.6386413793
36.0945727207	20.2230636268
0	3.0573627004
309.5972239517	158.9234095991
24.2024349351	8.8140896005
1.4351176864	0
45.155653944	20.1365797418
399.7041060322	351.915420867
15.262163343	10.5870555951

gene_expression_table

0	0
1.7811181376	3.2432552542
37.917148065	28.6934864916
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177.1092120262	86.7966517702
0	0
23.0781006374	8.0044070092
2.0396791479	1.6978612573
0	0
3.2920953328	0
8.5863048044	9.6787386527
2049.8360045314	2837.1527592899
0	0
10.632768756	3.161030454
0	0
25.6951454392	8.0208924009
2.0813042132	3.0318935877
3.7081169481	2.2507153459
16.3227685969	6.9934793667
908.9774495222	287.3343944746
71.155365391	24.6795225668
0	2.3864344282
0	0
398.9992710163	105.9999952447
109.0537147611	85.871119836
10.2094060223	19.4756636714
77.2786392991	0
0	0
26.2947907324	5.4720501627
42.5768691226	35.4416608185
2.7261583484	2.4002184317
1.3519865791	8.440612959
0	4.4744106026
949.1330798224	1123.0691111122
164.2280636969	52.2141139091
0	0
0	0
3.9837649065	1.0362965818
1.0128498004	0.526945144
15.1467033068	8.5966063293
1.8114337376	1.8848326992
0.5913202248	1.2305608229
27.5640998928	16.513298509
53.9427403352	27.0965125322
275.025106016	126.5471276231
9.6514540232	14.4612419959
20.3218404633	7.0484258995
1.3584337945	7.0673864094
5.2942666233	7.3450524433

gene_expression_table

4.7183637108	0
0	0
8.4980043726	2.2105854864
1.7231503024	3.585944071
277.0640310687	135.666171583
0	0
2.6511842278	2.7586097247
10.0681786024	6.8322647911
8.7993349094	0.9860180982
0	0
233.4014626535	167.6882514741
0	0
7.940243752	2.0654952419
0.2912880017	0.6061818757
12.6342582067	9.8596470179
7.0438548396	4.8861803608
11.7121492928	2.8123207907
17.365727836	7.9053554701
0	0
3.4429778399	7.1649733365
0	0
0	0
0	0
4.2266940357	3.0785712301
3.4921598019	2.0187008191
0.3788008677	1.9707490459
3.8405530875	2.2200953287
0	0
0	0
1.5292820569	0.3978120711
0	0
0	0
0	0
2.3054322637	3.3583871365
2.4160578688	0.7182731683
1122.1379904487	888.7753370129
0	0
54.573375483	22.0829305718
36.4506765401	5.1719524425
22.6742481788	5.1289140308
6.7610299313	2.8139942479
7.7077006605	7.0874553572
0.442751476	0.1771891094
3.1383402212	3.7320059307
1.9810492837	2.4735852433
1.871374124	1.5144903349
344.3096399705	187.3980632184
10.2269405559	12.8582789518
28.7916146762	0

gene_expression_table

24.7828461902	17.1913617044
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0.6935991499	1.0825554896
28.3840422353	9.8447194675
0	0
1.6821701264	1.0501988102
0	3.9671988092
14.1075865182	14.6792233274
2406.8958184486	790.8703560067
59.1335961839	55.7612712473
3.0872923366	3.0838932997
4.94449211	0.85747367
20.7256454385	20.6542288006
0.9898186371	0.1716543177
116.7478392502	176.1437383032
12.247181351	3.1858587213
72.3018881537	49.0459811483
0.6123759444	0.6371893049
9.4911644689	3.9502978825
0	2.713376505
0	4.5061934915
8.4143330344	19.1521755693
0	0
0	0
0	0
51.6509871409	81.187556808
0	0.898018155
124.477269692	121.5259382344
2.7475137241	0
0	0
8.7639161581	0
0	0
0	5.7886271258
942.1368965916	539.6213450865
0	0
13.2195673287	8.2531330583
92.2500467743	59.9925010568
4.5075971259	0
325.0241274723	287.3007666354
0	0
0	0
20.5706333827	16.4647320471
26.0302820596	37.9190340169
0	5.9464446349
189.9699546183	153.7413906119
2.7057292701	5.6307298443
0	0
0	0
1.2522232172	2.605926143

gene_expression_table

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9.0864703242	4.7273262147
533.0570430252	745.6037071561
25.5787975051	4.4358742787
6.1904110604	2.1470817924
176.8125896507	306.6283387347
0	0
19.4983462261	20.2884156265
0	0
1.8276581021	0.950857236
1.6831215609	3.5026426736
2.3694426837	1.5409075407
0	0
261.0367571205	173.832907824
63.8431666635	45.8683885896
131.0410528496	79.8151095763
0	0
0	0
35.8481984809	39.4527278596
0.7447693493	3.0997890649
0	0
1.4884411017	2.3231286918
13.105505676	5.8442307231
1.6448175579	0.488990075
1.1024103843	0
2.355918085	1.5321121577
4.5443192077	3.5463406392
8.4143330344	0
0	0
0	0.59297697
0	0.6134953494
0	0
0.4080856738	0.8492424604
1.9757255661	0.6852605341
0	0
0.5290680861	4.9545524477
1.0738413894	0.3724510816
1.5141365232	2.3632335847
0	0.59665993
0	0
0	0
0	0
0	0
0	0
0	0
0.6631593502	0.1150050742
8.9072567078	1.853635422
1.1836904908	0

gene_expression_table

13.4207832605	25.1362636706
0	0
25.3563973529	32.0375126011
0	0
273.1015805213	170.1266590346
0	0
25.1435505735	34.8831501535
0	3.0159727311
0	0
6.0307426082	10.8388215079
185.389799214	130.8630028503
11.6567895766	10.4561384007
263.6838595431	163.8925572349
0	0
81.1126141376	126.5989235005
82.4772797514	49.9706990071
12.7563575348	14.9323981436
21.8982740796	28.4819851436
24.8407380796	22.1548116126
3.0906132371	0
12.7918530605	4.4367255307
547.5609942359	172.423756496
0	0
0	0
0.6214998629	0
3.5580214735	2.4681278991
413.9198735211	331.9916194316
8.6273486097	7.18154175
32.9280496354	15.5737673392
28.562762206	14.8600600368
32.4719146036	40.5452047282
3.1573676723	0
3461.1953391713	4196.6723729896
11.7789848881	12.8133702418
18.5044584426	13.7530397807
17.4224637476	5.4385256316
0	51.9545544732
299.0772895652	112.0305046655
0	0
0	0
165.7821269332	144.9576371464
0	0
44.9138485746	14.5035774163
1.3104695926	0
1.0832766649	5.072268762
3.6942111671	0.7687799847
0	0
0	0
127.063134074	56.2135294291

gene_expression_table

8.0656778258	3.108332447
8.3057149993	8.6422610424
0	0
2.3855399019	3.3096020529
37.8203383253	19.6764057367
9.4283375245	4.9051860129
27.7204101601	81.7236355538
0.1524567189	0
30.926100592	27.4119285707
2.2560564501	2.8169657307
6.7320782801	9.1063191089
0	0
4.9100137226	1.4597047357
6.7618529416	10.5537629674
56.1637486866	41.7424953188
0	0
6.2294193112	0.9259763193
75.2675165214	27.9704794421
0	0
0	0
2.3253452277	0
0	0
35.677251208	22.9626104292
7.7618009197	6.9225494266
4.27242317	2.9636939803
18.1065243303	1.7127452149
0	2.5857191404
25.7965736449	45.7890315159
43.4723021198	56.7015136655
0	4.7299052252
29.2804005249	15.758708775
4.4644859149	1.3936158187
19.7955888829	6.8659008337
0.7627162147	0
144.9008182888	73.3207141586
1.1136451868	0
0	0
1837.6115989704	3059.6156409255
27.4281932805	48.924991927
13.0540979145	5.7191779198
0	0
92.7183971137	154.3605271998
0	0
7.6378824725	5.2982453763
0.8941667959	0.3101327566
23.1882002429	11.2596315295
9.8272661504	0
26.8805332278	22.3757819894
26.2986637158	2.2803567274

gene_expression_table

3.6679207428	4.4526349189
95.3417747852	87.1801567455
0	1.9953777394
0	0
0	1.6308790801
15.1542163455	26.2804373377
0.6429238648	0
0	0
0.7859171182	0.8177623352
0	0
1.1107873071	0.5778981022
0	0
0	0.5671059836
38.9473247434	37.9926217253
7.6901645476	0
0	0.5373859533
0	0
8.4249679346	2.9221153616
74.174717691	12.8633772667
134.4875251687	57.621090856
0.8494972001	1.7678373406
47.4128514616	23.5945272278
4.3206083937	5.1379184579
22.4230356933	29.9977881077
0	0
0	0
2.9423238269	0.7653865617
0	0
0.5320749226	1.6609035015
4.5465405351	4.7307655208
0	0
0	0
1.0749265674	5.5924119704
0.7124358332	0
7.9204308815	15.1091696855
5.042743567	3.4980497388
1.0794524274	0
0	0
0	0
5.1055718672	1.3281121749
0	0
11.1772848604	2.3260372772
3.8742839216	5.3750255907
3.8256626663	4.9758472668
0	0
1.9335607378	1.2071449578
153.6830357719	30.5915249575
0	0
0	0

gene_expression_table

9.2994344724	24.1906146142
2.5795242621	0.4473410184
7.2553302093	1.8873287135
4.6991032732	2.716394485
10.138665529	7.0329882602
3.1647629122	2.1953323486
1.2318360893	0.6408749304
0	0
65.0325329739	130.8241025322
0	17.0165187001
3.3930043372	1.2838139085
4.6372098807	3.216739181
11.2106199627	1.6664103172
1.2475360514	1.2980859826
136.5360693906	56.0796654445
3.2614450757	2.4239987356
2.3193579088	4.8266757287
7.0804667635	10.314312363
0	0
58.7861182845	14.1839121108
5.5453281186	1.2147418512
0	0
13.3478708132	14.3676456019
1.07250525	1.1159629653
1017.7631529197	1098.2250518358
0	1.496231992
10.6903343434	10.267850514
0	0
0	11.6766549195
0	0
1.7009887286	0
4.5275685065	2.8990921533
0	0
9.2684018768	11.0216637886
0	0
0	1.4973948666
0	0
6.8201209209	0.7884967739
0.4151857335	0
398.774741709	269.3424872173
0	0
0	0
0	3.8320071946
6.2280058206	3.645204452
0	0
9.8873951568	4.5010133826
1.3266926658	1.3804500084
77.1668602182	29.3611097939
80.4801657286	49.9745914123

gene_expression_table

3.7012880035	2.7680956493
1.2840643069	2.6721887125
85.8367226063	44.657405404
9.9490069102	1.3802851785
34.8504909893	21.7141475868
19.1594162802	84.0149561281
4.3047043137	1.1197825351
0	20.6672616871
1.3632678808	0
0	0
4.9858145568	2.5939194225
0	0.9032103633
0	0
0	0
22.9232322112	6.9045487099
0.6340684337	0
0.1752654191	0.1823671416
1.1187665117	3.4922961744
15.8971860481	18.0450950191
147.5709535958	85.3058341527
0	0
0	0
0	0
0	0
18.127145062	10.373909504
2.4724905897	3.85901318
8.9518921051	6.9859658442
0.951718251	4.9514084967
0	0.6582580121
83.5801024188	110.3808785358
0	2.1755012302
0	1.4333994011
343.1598971835	480.5897491436
0	1.0390807116
135.2013170156	21.3150984087
14.4157323309	3.3333011448
13.9856910292	14.5523886557
0	0.6051030345
0	0
0	0
2398.6904917948	2648.4348355705
10.493128184	4.6792747743
9.5348800312	24.803079038
7.9630087562	12.4285026081
0	0
3.3449591679	0
0	1.222751044
0.822983188	1.7126606307
0	0

gene_expression_table

0	0
17.7039102467	16.2540612631
0	2.19723327
0.5284305738	0
127.1066260115	113.3631112315
1.7214592815	0
7.8897500353	6.716815572
0	0
7.1685918732	0
16017.5211506095	19823.2586057181
12.5501266367	7.5602742126
21.4330765772	33.0678020172
0	0
77.3809293954	42.1049014084
0	0
22.3986378691	23.306226553
4.2132827443	2.7400026161
4.6204099484	15.0639014086
0.3903719125	1.6247588424
160.5087658741	298.0027880162
0	0
0	3.5598095987
0.5594959401	0
0	0
77.843918602	99.690018285
34.5718925293	12.6390705478
0	1.3476204675
4289.6853769252	8183.0881712773
2941.6877734688	4671.6036335165
44.7529533451	67.3986424417
0	0
20.5555540272	20.0085605645
1.6035976303	1.6685751112
1.4177398328	0.4917287966
17.1729045492	14.2949979847
0.917299861	0.9544686825
26.4223665365	27.4929959655
120.5803890077	35.2873924249
354.0461616576	119.9744214256
50.5863425941	0
0	0
2.4877468015	0
0	1.6496843835
6.0307922101	7.8439485006
34.9292662008	39.8059835089
7.8569479371	16.3506200429
0	1.8596989013
4.4140702564	4.5929275708
4.1780540978	1.7389392324

gene_expression_table

80.7512598672	37.0913605106
111.415574042	33.1228893132
3.7041394342	4.2046150716
7.980081508	5.2840027813
0	0
0	0
17.6585083291	13.1243055975
4.9408760005	7.1975111414
0	0
6.7951693532	2.946045152
0	6.4712941054
0	0
0	0
0.4609716626	0
0	0
2.478087325	1.145999541
848.3024718231	620.0613240273
3.4645710134	3.6049547932
60.5054113865	58.1142272491
0	3.7354227823
0	0
1.5451633356	1.6077730696
1.0681742564	0
4.4411263857	3.0807200063
15.5335164508	14.3670503808
0	0
0	1.8251494717
3.1490148478	3.2766123499
51.7241682619	56.2663866782
19.94962479	55.354613106
1206.6932533377	2368.1347852994
4.2823041435	6.6837334789
0	0
14.1987389161	16.4156324486
16.505427099	44.1622902014
0	1.8743738575
23.0645805574	7.1108601827
20.2622641409	11.7129374192
5.5872215161	1.4534036759
0	0
8.1582506077	0
11.7096170731	2.8117127542
0	0.5582329713
2.9950730724	1.0388109607
1.0535204561	0
0.8770373441	0.9125747358
1.103322734	11.4802916813
0.9390615674	1.9542243385
0.6202853635	0.6454192122

gene_expression_table

22.7509100243	13.2567527182
0.7098563032	7.3861954998
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0	0
0	0
0	2.0518083724
2.9827432566	4.2120332731
2.5842978994	1.6134079048
2.7455144898	0.7141905579
0.8716699746	0.9069898815
0	0
4.7141687623	0.700740859
0	2.4233212057
1.2314037224	0
1.2967540716	5.3971932318
0	0.6881158997
0	0
0.5535304117	0
0	0
0.743921547	1.5481302224
3.8035422797	2.6384407419
0	0
0	0.2268097547
1.0814137946	0
90.6017884169	116.6428102237
0	0
8.3125509787	32.4351525541
150.9408316006	108.4440681708
21.1601584117	30.0239510945
43.9348389152	15.9471176169
12.9469596029	2.8867645764
8.1191652008	4.2240761402
0	0
24.0369059312	33.3478359141
142.7444666746	82.8995978746
1332.5088968811	1503.8777353829
0	0
4.5296511483	0
0	0
0	0
36.4134945526	14.3363642459
0	0.8144972782
1.2503441307	0
34.7903686317	45.2500849568
0	0
48.0577201409	61.9109649055
0	0
0.7937029232	0

gene_expression_table	
0	0
0	0
0	0
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0	0
59.626290837	1.0262077621
0	17.0116085782
4.3984655994	0
0.4647253569	1.2481883498
2.714102048	0.9671118857
11.3327823208	0
2.7610946193	2.8076153749
11.864026713	1.4364868325
23.0104755487	8.4464112418
2.7932595666	17.6968934047
12.4023219359	2.9064419302
0	4.3016205794
0	0
57.005427279	1.8407465558
127.4703597183	26.3623452002
14.6808382994	56.4150719996
0	11.4567773739
0	0.6092274807
30.4376010495	0
0	27.7120611617
0	0
3.3222859997	0
706.7691088664	0
131.0834195232	1411.6438268247
5.7431085266	98.5074245685
16.345842643	15.9355152721
0	0
0	7.2887064125
39.8039488246	4.4234266723
11.998982293	41.416797505
54.4432587824	4.1617262824
6.7290880576	46.3494187701
34.7631532195	3.5008747336
2.822592577	13.5644061711
15.7272428979	2.9369635087
74.973600131	40.9112697137
2.9896997802	70.919560554
70.9577402895	3.110841865
15.3904216651	20.975265587
0.5560237087	12.6426621461
0	0
8.3295984172	0
9.1917190152	6.1179615614
2.3793441578	14.780983475
	1.2968239141

gene_expression_table

2.3786164109	0
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0	0
0	0
4.5620467644	1.1867250149
0	0
0	0
2.2668794651	0.7862443346
10.545538095	14.6304551436
5.1673136665	3.2260153592
8.5471941693	2.5410071154
10.5073055325	1.3666324524
2.6975535382	0.9356193037
0	0
0	0
9.5636077903	27.3655893988
10.0253190402	2.6078857806
2.4586288838	1.2791260368
0.8469068748	6.1685636981
2.1030523189	0
6.4862940116	0
3.1745093008	0
0	1.5937346099
0	0
2.5762675388	1.3403287126
4.2236944809	0
1.4664366926	3.0517128749
0	0
4.2555124041	4.4279449835
3.1353878786	2.1749554789
6.5304369047	2.2650163354
2.5382696854	0.880373302
1.4984791453	0
1.0351960849	0
0	0
0	0
0.4816354501	0
5.9956319854	3.4028584854
1.7068425522	0.3552006997
0	0
4.3434121521	0
19.915848909	18.1324810111
9.8119327453	2.0419020908
0	0
1271.5150318976	1677.3802989545
0	0
13.1255973808	5.1215415641
0	2.3403742145
0	0

gene_expression_table

25.5044177756	7.9613556269
2.4365211747	0
12.1347022315	10.101118506
7.6868901632	3.0762928992
245.4205162255	105.4768108063
201.1738709421	252.0448683842
204.1603255691	132.7705402408
8.3776723458	8.7171340874
5.0204619124	11.318428561
416.7656664174	207.3992295505
110.9064370571	59.5614686318
2.2912947305	0
0	0
73.819856659	26.6278215369
38.0470013118	33.8303084311
19.6944554562	21.7732506144
8.1762629363	10.4926617802
66.5991470565	7.6997480264
1.142662272	0
10.5949847093	15.158400867
0	0.3731483904
13.8358592659	9.9893982664
0	0
0	0
0.7744306794	0
1.7244876675	3.5887271807
118.4620966617	74.5306077768
34.5562458802	17.639017428
0.9704511166	0
9.9502798671	2.2185992948
1.4809016773	0
0.5810018853	0.3022719874
0	0.9261082013
20.0212381573	12.8782696626
0	2.2330756672
9.2359300902	6.8644059126
2.7573940325	1.1476492525
3.6939655032	0
0	0
601.9424372853	261.4423175189
2.3412991019	2.0301400922
577.0916196927	103.5302182601
239.9426246596	148.6101521722
0	0.7737427328
0	0
30.9123865633	32.1649507774
7.6807128167	5.3279559242
3.2474334061	2.782721373
0	0

gene_expression_table

329.9918133579	117.0555753068
2.2288223857	1.3252193477
66.0699497645	18.1596091993
1.5175836968	3.1581518178
27.8749705736	16.9192678963
96.8558470592	28.9277154891
3.5539745307	1.2326603082
0.5261581631	0.6569735941
2.0355953729	1.4441436292
3.9074414572	0
0	0
58.239276489	24.2396485014
4.2050432941	0
457.6893495834	116.0059220259
43.9221661655	43.013538122
31.3506018334	3.6245469388
23.8674385723	24.2432441525
40.1957428828	19.4335907209
7.3617670039	5.8923572677
2.9934590578	0.8899295622
0	0
65.8465980729	40.4348990799
43.9084327562	21.4533051825
2.5323233028	2.08598829
36.9867519534	26.8231912639
268.4612061714	93.6083505564
4.9201613742	1.462721545
4.5044157545	3.1246225679
1.1681944988	0.6077647625
1.1874438203	1.2355588254
41.9004298253	2.7248892206
12.9234216824	2.068780977
37.1235953707	25.9213114177
3.4218863603	1.4242162263
11.7696070164	10.2054244388
0.3321195708	0.2303846631
0	0
3.0923337492	56.8448769369
0	0
0	0
26.5864076376	20.0120267103
0.6022743307	0.9847803048
2.2914207539	4.2916836619
0.4645439906	0
0	0.1082893524
0.1335581658	0.1389699181
0	0
6.844063483	5.893558904
0	1.5576565357

gene_expression_table

0	0
0.0242956822	0.0421335646
0.1105980778	0.6329372038
193.3312186228	114.5318773245
0	0
0.4425244722	0.6906832236
29.0041435135	29.7355715694
2.9148330889	1.2637256621
20.6817032974	21.5197221085
14.0542032455	6.9270048826
0	0
15.6769393928	13.0497328733
3.2488796285	1.8780686851
2.3170199276	3.616357723
0.1988163373	0
2.8965098334	0
4.6675156123	1.6188808286
6.1867339525	7.4030321647
4.4495700554	3.5462801988
0	0
0.0326595223	0.0679657603
0	0.3540909241
53.0329560513	20.1625959947
6.1475925757	4.7975189215
0	0
5.8906279868	6.1293151486
1.2379250955	0.8050534954
1.2431310852	3.7367850809
7.7024272952	2.0036320579
16.532327951	4.3005537092
510.5542629862	307.822367484
214.6540752732	163.2186368856
17.4224637476	7.5535078217
2.4819068961	0.3689247581
32.8301547962	75.1529385776
8.1649125794	0
0	0
482.8509055162	774.6929583609
103.8551519511	67.6118246013
21.4911035069	19.6918391772
7.1994140605	5.3508092808
4.0040654125	2.4303471535
6.9262620842	8.1077770677
21.6020908979	13.1471606227
0	0
34.5987986293	17.2177431043
1.4057011029	5.8506394114
19.3359719492	11.0028307669
0	0

gene_expression_table

40.5464393542	70.3156226904
2.3294082436	0
2.5186619059	4.0766718576
24.9827938185	31.5259626698
0	0
0	0
0	0
74.8339559902	80.2995333048
0	0
0	0
8.7233334865	16.0589562413
4.0396899216	3.9031361699
18.589105759	12.5156271726
9.7479058346	6.1984322797
4.0672968052	1.5114653297
6.152472338	6.6151616975
1.6428138721	1.7093803878
27.4261069527	18.885049252
0.3547770283	0
43.53055985	18.1177640493
0	0
5.3108174834	4.3418656524
1.8549183632	3.8601586277
1.1459481653	2.2763652051
0	0.9981483166
8.2172517626	0
16.7882088397	4.7641265378
0	0.9859460144
78.4896244216	127.519839484
23.992299081	10.0663155742
6.0277679892	2.8509145631
225.8055290457	184.5046400181
1.4079576356	4.3950234595
13.8573837559	28.1618796782
0.4487598967	0.7004153477
0	0
11.5278930526	20.4620607979
0	1.2822474714
0.9992128591	2.2279302434
7.2954302614	7.5910397528
3.6071835004	3.5969564989
1.5713895874	3.2701240086
9.0584815589	7.5404236516
2.7641019818	4.9852450012
4.1658862758	4.3346872209
1.5131397702	8.265872555
1.9891680151	3.7945760178
155.0587483677	61.6031946649
2.1291348736	2.3736503859

gene_expression_table

0	0
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33.10279276	46.6662160277
3.18087165	0
17.9805948757	11.1364078992
12.473492945	2.1631527639
4.8888871234	4.5217634932
1185.3471622082	1347.3868692218
50.3448830104	34.4754985222
2.7092483457	3.1106500304
162.5346940722	129.3274946763
0	0
0.2977431807	0
9.6114120396	9.1674592959
0.3747967203	0.8579635117
11.3918072287	2.5400145345
634.934424002	139.7553913467
1.978109867	0
4.5911357161	5.3283793469
27.979747845	29.9003329449
0.5796848408	1.2063471277
2.3634359062	0
0.2733602338	0
4.3385627979	1.7362925246
0.2126588642	0.2212757622
17.3095676971	22.7215038759
1.207010218	0.6279590249
23.7725914045	18.1396251174
1.8705863982	1.3624675503
0	0
3.3024031102	2.0617295258
3.1119676143	2.0605861623
0	0
0	0
1.9985113119	1.5596179669
0	0
1.414170619	0.653987801
9.0292846026	0.7227038118
0.5681173618	0.1477843432
12.4599697743	9.0753918194
0.6460310615	0.2240693737
19.6458432945	0
10.4517299195	5.8001237825
6.1069605016	3.6310933812
1.3172828894	1.7444750268
0.3850519556	1.2019625698
380.1917173928	93.6145609925
0.487040758	1.5203266795
0	0

gene_expression_table

2.9399101289	3.3649382208
42.4378088928	10.1632067607
0	0.1120397542
0	0
3.9135283863	16.2884153449
0	0
0	0
0	0
5.3417843492	0
12.870394327	26.1142056558
0.3819656091	0.7948855705
12.4053994352	44.6403877823
0	0
262.3142824375	116.4356071134
0	0
28.0899452891	17.9140241723
3.6704844267	1.8332216544
50.1513783414	141.6409366094
1.1020823077	1.14673848
12.2443692686	6.7449752777
2.2419731703	8.1648612867
0	0
0	0
116.2379061592	158.4246416796
0	0
0	0
0	0
18.8097534575	21.3511867698
3.8029636181	59.3558850597
13.5237058832	14.0716839565
4.2487313594	2.2104445861
0.7732627987	1.6091905299
53.6701661017	59.8337907365
0	0
99.8684455316	87.9281586308
0	6.307687361
0	0
3.7459733046	9.0947720582
6.1827553455	3.5740441412
226.4328460616	20.3891420171
1.7331412677	2.7050517494
9.201234909	0.5983792034
0	0
0.1236557186	0
37.9399988975	35.9940276697
2.0319197423	2.1142527563
0	0
0.2631326682	0
37.9243388763	26.3073507384

gene_expression_table

0	0.058934721
1.9068701109	1.5172805752
0.3224966922	0.5592736647
0	0
2.1277562021	2.8951947969
1.8842652229	0.3016331235
25.6302425873	11.9667581473
7.0774596851	7.0369376245
28.9140629749	14.6929945392
8.7578203217	1.6081209863
0	0
8.2355258585	5.3557674066
2.7239988114	0.6540864789
8.2273940136	5.7071776699
24.7460877799	42.5845450845
22.5539997626	11.7339418409
19.1349024854	15.9281961699
0	3.3403186209
9.4237898931	5.1912212427
173.9188352185	148.0630863368
1.3517672432	1.4065406031
13.8793203786	3.0281000406
0	0
0.7507246858	0.7811439119
0	0
18.0873364606	10.5393299228
16.8684132345	10.9699488963
27.3189943845	11.3703820036
1.1368612964	2.1686989626
0.2912761218	1.2123143067
0	0
1.0803621766	0.8029558951
0.031862114	0.033153161
7.5558321183	6.2068366145
0	0
51.4210410524	36.1517649809
49.6326394847	33.8355570046
26.1416670306	27.2009225673
9.5962574878	9.985096075
0	0
0	0
11.1310185054	12.5891797028
11.7026591114	24.3536974093
0	0
0	0
25.4559969497	33.4246635912
303.8202391774	58.0056842845
0	0
1.3195491784	0

gene_expression_table

5.1902922212	2.1002340749
5.3771474677	3.9165199454
8.2515460156	12.2655673449
9.9810356065	7.7890989992
21.9037856984	53.341394404
28.7196666516	26.1479594761
2.7617810034	0
0	1.6313700777
1445.1673994211	1564.8141574428
32.6352447863	14.2979447994
0.1474207285	0
1.162646998	0.8914000719
0.2366322074	0.2462205009
40.2175448605	18.5987343894
24.0400844988	15.0085105789
0	0
3.2153636209	5.3530393009
0	0
1.4648093415	0.7620815732
37.3963484224	55.0130105063
465.3806114112	164.8468929811
1.2887979099	1.341019764
3.244662495	0
2.0206846823	3.3040267129
171.3708036169	45.8523558099
0	0.2976335426
4063.1375233338	4966.1470986411
5.3601114746	0.9295503675
4.2294929125	3.6007127893
0	0
0	4.1662259864
0	0
43.7390723742	39.0097470314
27.2415865975	17.0072464036
2.7661360403	20.8670903854
24.8964907861	15.0417824577
10.2488232316	0
3.044265587	3.4555840017
97.8665428949	93.4851856267
34.4762934588	30.4379231116
34.520532937	13.3653204012
79.2693847872	18.7457649248
1.1801279353	1.227946502
14.6988591449	12.2355633697
0	0
419.0090015159	597.9252605327
5.5809064215	1.9356812408
0	0
7.2212520752	1.0734079829

gene_expression_table

5.4834369107	5.2667305524
59.9186918401	37.4079517232
0	0.4510413213
0	16.9334302299
39.1187478276	12.9512193649
0	0.6041542997
44.0215084154	0
337.822527746	235.7191642405
0.187949998	0.1955656973
0	0
53.1888924791	40.1903558736
26.4646500696	11.4384431712
13.598887397	10.6124338586
0	0
19.9695465244	15.5840316556
11.8502018615	14.9963957756
1.1110465081	3.4681977243
85.4719416926	53.3611494233
1.6209110568	6.7463602978
0.6427585462	0.8917373389
4.8698382743	7.6007448373
0	0
21.8345918943	26.5982347776
6.2761551312	0
42.2587780102	21.9855479587
0.434335555	0
0	0
0	0
1.3178795235	0
0.1950826267	0.563853719
0	0
454.6333808368	16.5569264613
0	0
2.1922280081	1.5207044556
1.2207146888	1.2701778233
0	0
0	0
0.4894582951	0.1697636851
35.8853114907	40.2116375313
4.9225669535	1.5895950395
0	0.1656634969
0.9990360042	0.3465055864
6.0259846259	1.7100426583
0.0371941679	0
9.0066675177	3.9048400116
378.7744957442	224.991115932
4.8864544522	1.8488918863
2.5233819694	3.0433426377
0	0

gene_expression_table

3.5799326691	5.5874863229
3.8565909439	2.942763486
4.8966683537	1.2737701135
20.6410586254	13.9313062845
225.0424829251	125.0182479965
0.1693228602	0
2.4634055417	4.7602699502
0	0
0	0.0392694822
549.519664704	446.9989058332
2.7265803718	2.2696487253
22.5335005728	26.5432685306
3.627151875	6.7934221225
0.6097915439	0.4230001233
0.3213720424	0
1.5581661126	3.2426054335
77.722351651	26.9572156783
0.3354047816	0.6979906433
5.7070501968	5.0247143865
0	0
212.0548532965	334.77517878
10.5901644947	12.0210283755
30.2256469045	25.8342444551
15.310319245	8.6894675798
17.8071305741	21.533321778
20.338061218	2.554053276
22.2268577187	15.1218177055
105.8544670311	46.7733395497
29.8702035751	10.8781885542
2.2213525159	3.3019447301
1.3592542514	1.0775855112
361.4557158975	339.7499847584
15.5828939945	13.2208989159
0	0
17.0743714903	12.6901584861
3.1729982054	0
0.7622394298	0.2643750771
5.2340116494	4.9190515958
2.0389959638	1.8564137418
3.8049897042	1.3197223956
66.5764061062	101.2467174411
0	0
2.9088759267	3.9095430983
3.5420142211	5.2211759794
7.7228681342	3.7815516845
0	0
0.3260980094	0
0.626574587	0.3622018189
14.964991151	6.6734442163

gene_expression_table

13.5948449371	20.1509579087
7.8290004042	6.9824829082
2.4508874745	3.1297872074
0	0
0	0
0	0.2368441315
0.2261252991	0.1176439273
35.620776433	28.2393323718
181.7429196384	49.4257217468
2.3040834298	3.0283509047
1417.4813613455	876.2894665894
27.4540141262	25.6112961678
0.4171047625	0
0	0.2489852755
0	0
0	0.0207385737
6.0330076189	12.1856653676
0	0
0	0
0.4101648225	0.4267846256
0.7261468703	2.0148538875
7.7713435781	6.6160120824
0.4164168664	0
0.7958179279	0
118.7298789028	66.1825670055
3.9173922366	0
0.3803050406	0
1.8333102614	1.0597753643
0	43.4673053406
1.5055310725	1.9937717093
19.0240177253	2.356531836
13.788339049	12.4341013415
0	0
8.1328970863	3.5016995501
5.6301656572	5.1260115667
172.7744695721	104.0209047406
1.3187138225	0
0.4054387453	0
33.7589150132	14.2406027174
36.2516752218	13.6436163682
2249.8113929525	1675.7787272324
44.6188985589	4.7617280119
8.0304701099	5.5233672533
1.9453925831	1.2881397025
18.1136810593	7.9740032655
8.8539980983	2.8346955297
0	1.0920665421
40.8266527898	19.0213169761
35.0029506054	6.6220479494

gene_expression_table

6.632136208	1.3055698385
4.9435142612	0
0.0779852336	0
0	0
51.1106783717	6.2566674885
414.1841624465	225.8765049579
61.6724697443	45.6330146613
516.3401314894	277.5181121862
12.5119573134	4.1846591317
0	0
1.8639741277	2.3958554318
4.1687521137	9.3982832279
0	0
20.0655618774	3.7181094763
0.9008468968	0
0	0
0.6940107686	1.4442639143
10.3176072801	6.4414048969
9.1223543321	6.4409935201
0.5923501431	4.3144644328
7.0991678344	4.4320948851
2.4654389304	1.8527441559
1.190763517	2.7877793299
12.5770464714	2.6173332159
37.6594659433	24.9878044227
0	0
39.0372928608	12.9755384167
6.5750982737	0
19.2043636699	9.9912604756
5.4174901206	10.0660818271
0	0.0874834519
2.3476208459	0
0	0
24.074551979	22.214193859
3.9210407524	3.2299371433
22.2051935801	17.9705119511
0.4923878842	0.1463826716
20.3350659848	10.5795195579
0	0
4.2513249762	7.5832935116
0	0
4.0526718323	0
5.6817547135	8.8679675531
0	0
2.9007786501	2.6158753115
3.4602546874	1.2001545235
116.5355704516	100.1692972191
3.5632201079	3.8620845113
0	0.51506493

gene_expression_table

87.7713441802	33.2101174153
79.3875772574	59.0031051975
11.3848584626	5.3307768744
5.2410699279	2.9364661398
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0	1.9573126262
0	0
0	0
1.7534023662	1.3031785053
9.565254606	17.9151065319
0.501379062	0.5216948494
22.4271954184	7.983348322
1.6561244409	0
1.3287819455	1.0369679591
2.6329688704	0.5479312569
67.3935486472	31.8746921975
72.9622879797	22.775611938
8.2462233313	4.2901793915
0	0
4.9598829047	7.7412846708
34.0789091505	59.099633795
0	0
6.9682569829	2.4168698244
0	0
3.9582617798	0.3168192168
2.28877717	1.299009818
9.042337311	6.310734311
4.6562130692	5.3832021842
5.9640905591	5.2510229631
1.026713485	0
0.9937734256	2.0680818839
113.751444195	29.5901579444
0	0
6.1504287044	0
6.8493985099	2.0362671077
0	0
0	0
23.0124472728	7.2067197032
81.9081556391	131.7145457742
0	0
537.3046965911	160.9461741834
6.5712092171	10.2562101077
8.7727362514	3.7586730216
0.4351180599	0.9054979271
6.0164303896	4.9760683665
23.9061612546	6.2187086272
5.0025025365	0
2.6914178664	1.4002368115
0	0

gene_expression_table

5.5226467521	7.1830292276
66.0688092313	31.7288793329
0	0.3178587871
0	0
0.9683575763	0.6297470294
0	16.3495188427
0.2930758617	0
26.0509410136	16.6809355993
3.5050134766	3.6470359776
0	0
0	0
381.7506975943	453.9647606849
0	0
3.5018463845	2.9149924444
6.8833484406	50.1358231673
2.2665197653	2.9479484113
14554.3963219361	18858.3504360425
0	0
255.9541888817	311.3958587462
2.6872425898	0.932043055
0	0
0.6537952283	3.4014344532
1.7013476261	0.7081143675
16.8741816733	3.6964042966
3.7001873381	3.3001013555
66.6024861486	45.828217287
94.0429685026	55.6598301029
0.7364586607	0.7662998301
2.2272903735	0
0.1381508678	0
0	0
0.0680851385	0
9.9193967706	0
0.9259303933	0
0.9123004347	0.6328444536
0	0
0	0
1.0615062472	3.3135548549
4.9682005141	26.7091406037
41.8396724487	22.5737079948
0	0
22.204645669	19.428677989
0	0
0	0
0	0
15.7682595697	9.7417670113
0.0237437331	0.1235291241
4.6184465047	4.805585107
6.4562226027	4.4785517028

gene_expression_table

21.0462062825	7.2996648958
171.8284329991	196.0932336222
0.6488516452	0.8101715934
0.3498905386	1.2742381361
2.1728589581	2.2609028031
9.9883640461	2.0786181438
34.3367254204	11.7315962795
8.1000906876	2.8094349571
22.7105064641	9.6800588941
0	0
1.4463275972	2.6336319191
5.6532709827	12.4182743518
3.6820066081	1.4595050812
7.0949363822	5.9059375189
0	0
476.1310449878	472.6456821353
4.0238855242	0.3489110521
1.1282420635	0.7043749345
0	0
0	4.3176873893
7.3900605652	38.4475222959
0.4764441368	2.4787478279
52.7444847513	34.7352414973
0	0.7874225764
0	0
3.525280099	0.6113539666
145.6694630645	80.8383802119
0	0
0	0
7.6772586148	3.4235741661
2.5024406709	0
0	0
2.1041144665	1.0946863987
0	0
0	3.0881269021
0.768519949	0.399830118
0	0
11.950223431	37.303332855
1.4222571114	0.369971677
4.1773887339	1.2784281637
7.6149637062	34.8634907896
5.7014714576	3.3899965895
13.9537163095	9.5125257999
2.3057421336	2.3991703805
0.6806539413	0
41.8843995307	22.493702034
1.2105612796	1.7634581997
0.5442955036	0.4530802058
0	0

gene_expression_table

69.9071208605	29.0958978125
0	0
0	0
0.1219642593	0.2538124574
35.7392096651	16.137909148
27.6017997094	23.6941811317
0.0302788789	0
0	0
0	0
5.622038342	7.649793778
3.7625298095	2.135447359
21.5468490849	0
18.2209602638	7.583708088
0	1.2832913377
0	0
12.4405911819	10.3557453175
0	0
1.7804229566	3.645370561
3.6369678251	3.784337092
0	0
13.1080828184	11.2036449357
27.7928395173	30.0757602696
30.9595151265	8.7064835085
98.8216058228	70.7517241531
7.4345690719	4.8348852764
137.9745570766	64.1461803284
3.7203274091	3.2258953258
64.3351331565	20.4544941673
90.0257599059	83.4546503503
5.7138990484	5.9454251862
0.8663679009	1.8029459377
98.9074154592	68.306499378
7.5826244803	2.1039656076
0	0.8741156705
78.6336804647	27.9385033693
0	1.7744404989
10.7595127903	9.2198122209
25.4545527198	8.4755092835
34.5358980578	10.5692018502
448.6772177572	710.6150106116
53.6664087392	21.8508111172
4.1887133367	1.0896098076
0	0
228.8698585349	215.8176584154
19.7426442994	42.9527354631
0	0
9.1861455127	0.9558366438
39.9860109265	73.2443125764
3.2125831297	0.4775366295

gene_expression_table

6.2766804424	3.2655051893
5.4759952711	2.1612654313
0	0
0.6395681062	0
0	0.6453631619
3.4289272787	0
2.3392997473	1.2170438712
6.6916278134	3.7978752768
2.1635897697	1.4472373043
0	0
0	3.3809630616
154.9821831369	82.5237631989
1.0903823843	1.7018467167
0	0
3.8759359401	1.0082470378
634.1076683782	240.4884316012
8.3973729275	1.0922041166
16.8119382688	19.5511731383
32.0683398835	13.8354056812
5.3244892883	5.5402366143
73.0159493135	38.6656151968
244.4383802651	79.4821807639
2.9432332346	0
30.5006401037	31.7365204271
47.311558303	79.5231455917
0	1.4645541166
0	3.936100005
3.1035639398	4.8439796691
4.8556487688	0
3.8064382308	7.1292139333
0	0
913.801032686	1947.6639751254
10.2867818362	7.784436613
4.9047587178	8.35117959
0.3700856465	0
47.1246972722	26.920727006
884.1520076504	751.1210207027
305.5690868046	179.7112595436
0	0
0	0
3.2281857459	0.9597117823
0	0.9882780517
0.687218339	1.1917738326
26.8855927527	13.9874960114
2.9339060871	2.1805624441
1.1039123058	1.4549473304
4.3528154605	2.7871943027
40.0270294025	50.1922849114
0.8801059731	2.9762450418

gene_expression_table

45.3740646961	29.6079101274
3.0483535144	0.9912100743
3.1948977329	0
9.6907888751	3.1842498495
22.6306693041	6.0378615023
17.3337843132	4.73079241
0	0
0	0
20.3461004098	9.4091202905
100.121014133	40.513627466
0.2783694408	0.5792978387
60.2505256843	40.5653249915
0	0
14.1203552858	36.0634323677
5.0608288947	6.7704335357
64.1154872174	28.3026693765
144.9094484746	86.9085810448
1.8117619672	1.8851742287
0	0.5204343765
1.0562247869	3.2970684625
6.5104810813	4.4383243777
23.1628067122	15.3372286945
0	0
18.8804668164	12.5016817271
8.1101335573	7.8359864852
1.120270685	0.5828319235
13.2923239807	13.8309265019
76.1105519935	52.796358368
351.3898643267	275.0299994799
3.1142938842	0
8.8783093098	0
1.0758721107	1.3993328133
1.4428463328	2.1018342809
42.0639751643	12.0740412955
4.8724486842	7.6048191121
18.1357129356	17.2055185077
13.7287468612	12.6367601006
0.5709592138	0
3.0111610677	5.1270099709
3.6543893808	2.0200593006
0	0
6.1509151607	3.6572280634
16.3787037456	4.6479179473
112.2433574381	94.6158482009
13.0001650509	5.0725985048
0.293742272	0.3667735857
3.6445684091	2.9495243946
0.6860960342	2.1416895577
6.1007324942	3.173966526

gene_expression_table

23.9950850606	15.6046009318
1.6873089755	1.2540560176
0	0
0	0.1573102103
17.2389897118	10.7625062412
25.4117088386	12.1487451963
1.5262473966	1.0587271068
0.7182082737	2.7401364495
0	0
4.4180219148	3.8974898834
0	0
0.3575209245	0.3720076066
2.499563008	5.2016896822
0	0
3.1991911259	1.9972930569
8.3717285349	3.6677681829
6.0764217227	1.5806593031
0	0
1.248997017	3.5739169022
5.5707491428	1.2881055273
0.2420518865	0.3777896766
0	0
1.1613491852	2.0140114007
0	0.95186638
5.0596315849	0.478604266
1.7148458924	3.2712737426
100.9861603666	15.5671260738
554.2442153087	378.0064112143
30.1405537352	50.3096238279
0	0
1.7422463748	1.8128418772
47.4012746268	30.3519788003
8.0127835435	10.4218250724
1.2216095425	0
0	2.7864105022
24.4569457518	15.6602687338
4.9886503741	10.3815791381
1.8457757739	3.8411325371
2.4561164798	1.1926310049
5.5415624417	2.8830527659
0	7.3520595953
30.6459499737	10.6292394087
9.0541068018	2.0935505651
133.4559509802	24.1501846176
0	4.0008842998
0	7.9870255898
0	1.4709732402
5.0977627943	3.5362154697
4.1228566488	0

gene_expression_table

1.2535419418	0
9.2239409084	9.5976932964
7.1945297904	4.2777433219
3.6996788074	5.1327854823
13.02846143	4.9295899234
0.9428693157	1.3080989424
0	0.7766654374
1.1840268979	1.5400043124
0.3613701957	0.752025699
336.3494537988	433.8573616876
0	0
0.986926716	3.0807504145
7.1181009702	5.3234399239
18.2993263996	17.4540774259
0	0
0.4736460946	0.308023842
4.5800705166	2.3828270655
10.2955972619	17.6242393991
9.1830359775	4.0950561022
0	0
0	0
0	0
5.4891951532	3.9664002295
0	0
0	0
3.8610016139	1.7467168212
0.3214123317	0.0836089751
0	0
0	0
0	51.5759445433
0.1639295531	0
0	0
1.0397252646	1.0818547409
0.8218670172	0.4275844587
3.2708127577	2.658863663
0	0
2.8481161605	1.8858771929
0	0
0.0500471851	0.1562252635
64.9581376519	38.2031731583
19.8895321436	6.8984841084
0	0
20.7844750877	23.2090965972
0	0
26807.9063613618	15549.4396607546
0	0
0.3927362975	0
0	1.4092841804
9.6582969763	11.7245909576

gene_expression_table

11.1623112717	19.3576767833
5.2904976282	3.0026550646
0.0992512735	0
6.419881824	11.1333570898
0.1177567824	0.3675847966
3.6222730056	1.3302518263
1.0252606481	3.2004120627
9.3132935402	3.2302221601
0	0
1.5318123517	3.8253146551
0	0
5.6791050691	1.8660699036
0.6899164369	0
3.3771580858	3.8653999009
3.2406963558	8.1891641694
40.5075711868	20.7776418036
0.1333369598	0.4162192467
0	0
5.7996055455	9.2530602254
6.5983592345	3.8806263466
129.37339162	84.1347360232
0.1346176374	0.7703977564
0	0.0961787842
2.850271364	3.95435178
0	0
0.4318108063	1.3479231022
0.1461645572	0.0760435591
0.5140852226	1.0698317223
4.1632052486	6.2153312804
0	0.5189624409
96.3487183374	69.1062650259
0.2144734437	0.3347458022
5.6544112428	6.8150853787
1.0657695971	0.665372631
0	0
174.0401690611	68.0346554596
6.093136481	3.9809485987
5.8107785641	4.9125620717
24.3189880694	25.3043889901
57.7341246848	106.4067859756
0.1522804861	0.1584508634
27.849580093	17.2301859178
4.3401470859	3.284370216
239.1525796743	446.7862921984
521.431569518	876.1388991123
0	0
3.8334951058	5.1854759086
179.474447876	172.9405417674
8.9192280438	3.0935445075

gene_expression_table

3.9100390837	9.5609118971
0	0.4532262639
20.0643042801	22.5932491717
0	1.4149190172
0	0.0126680284
0	25.4289693371
2.7733421938	1.3318696196
2.1519005149	0.8396606729
0.0975682326	0.0780935995
0	0.0372430283
0.7188433765	1.1219561666
3.9861471848	0
7.5739514031	5.9106348899
0	0
0	0.2422102606
1.712056427	0.296904773
75.1392846923	122.3748229751
5.0200506547	6.0482193701
0	0
94.7662865112	68.8892623142
5.6196216409	17.5419830265
5.9667611898	4.2057805921
10.0814195853	0
1.9844043288	2.2942355855
91.2724706381	39.8264705337
0.2447123768	0.2546280772
0	0
2.7862542342	0
0	0
0	0
11.2033730915	5.3803069418
0.3479937724	0.5793510656
6.0706664874	3.7899892657
0.3491062444	1.0897558954
2.0150648821	4.8923348605
0.2084089315	0.2168536231
4.7668630596	8.7754119914
0.3356029169	0.5820024756
0	0
695.5169688888	619.4865053198
18.0179335862	11.2488101633
27.3987201686	22.8071290137
20.6295946702	12.8793012296
11.8924647931	8.9995238383
0	0
2.1375268175	0
9.2392828911	20.8295900223
0	0
644.2208540271	339.0147222571

gene_expression_table

2.7350380067	8.5375837299
37.5602216464	34.4842543363
83.4469756746	79.7881048701
0	0.5860493411
2.2871280253	2.379802032
51.553245397	40.231630059
9.8349301089	14.619199524
333.7238919271	354.7408475542
5.8158483879	4.5386291207
428.0497065244	162.8870223908
25.9606697254	18.0083941897
69.4810124282	47.4444929856
13.6158695922	15.4555441332
8.4713648604	10.2837268396
0	0
53.2188202296	44.3001896243
75.6907792941	26.2525852467
43.6593565571	29.6272341191
89.549415682	145.590533631
16.0399452771	8.5833673239
0	3.1195165162
19.2654180053	7.8969284716
11.2659454939	9.3779516254
11.5325858648	17.9998261821
8.1171878103	3.2484979871
20.8997771248	20.1933013725
0	0
679.9800855642	438.2478995439
1.4367261466	2.9898840513
1.3448944052	0
0	0
16.5981937994	16.1193662534
0	0
0.5266270565	3.2877953272
0	0
0	0
0	0
18.5230677005	12.8490793297
1.3209313278	0.785402984
1.8449676653	1.5706844309
168.3291573189	175.1498237924
119.7726696308	171.7815579502
17.6843861775	14.311853306
0	0
13.3959699153	11.1510177205
4.0686681362	4.2335298203
0.3487519034	1.0886497989
39.4488978196	18.2036117811
0	0

gene_expression_table

315.2326411991	172.3420356585
3.8796455934	3.5883094389
2.9690326708	3.0893373282
1.1596991301	0.7541812034
0	0
27.3301952843	74.6487256385
5.5862988143	1.3676834386
15.2816016273	9.3534172427
47.5169392646	148.3269506941
0	0
33.1040655037	27.5563489161
0	0
0	4.5811975047
7.3680055597	7.6665557889
59.4632884017	92.8090948552
45.0394231745	23.432206156
0	16.1993951377
1.5672147814	0.815359018
136.5150450814	142.0466095824
105.7509460047	36.6786516244
0	0.0944085663
26.5829987896	24.5867884515
16.0113245336	3.3320200914
214.7916071139	193.976726058
0.6619103757	0.1147884771
6.4628995829	0.8405968856
0	0
0.0352262475	0
23.9940054167	11.7029241094
51.3340895459	33.5391095341
1.8125502039	0
3.1510563485	4.2155184495
1.2790380363	1.3308644221
6.3276832376	1.3168159596
10.4480166612	3.6237894578
0.0787168183	0
17.7412255174	49.0511141154
0	0
2.4677308714	0
0	0
36.2273621186	28.271466123
4.0739730044	3.9741090382
0	0
41.1326184845	19.5653963954
11.2811986018	18.7812971085
0	11.1546044101
299.5526441977	467.5356933115
2.789168848	1.4510927282
0.5389755999	0.5608147921

gene_expression_table

28.7724669084	44.353069588
181.6909923022	172.6556170343
0	0
14.5292829855	8.5147394947
9.3367746239	20.2397896109
0	0.4876218379
31.9857707765	0
0	0
0.2752043495	0.8590667371
0	0
28.4589057458	24.6767128073
10.9356982711	10.3252171641
8.7320260347	3.5333846032
3571.7444033797	6234.7958388748
3.0026282116	0
0.957782042	1.4948867911
0	0
50.0185057213	47.1146440798
2.2613790193	4.5379472419
2.7018688308	4.4981568937
0	0
145.5287196219	48.327292518
0	4.6851749677
3.9086495491	4.6832435685
9.1504123955	7.0156103107
1305.9226770145	705.7759915323
0.2385084668	0.9926911439
278.0741502313	0
653.0805807062	544.8590308256
55.3529297394	36.651885623
3.2603594963	4.0092811472
0	1.568222172
0	0
1.4258571462	2.1018128717
1.8885096184	0.9825158403
10.8520316939	17.0272481267
1.1176035527	1.9381477383
11.135707701	6.5176450467
0.8940900376	0.9303184014
0	0
0.0592398574	0.0205467485
0.4548512826	0.8329759202
0	0
0	0
0	0
16.5370153136	2.4581560186
2.6859304001	0
0	1.7222229332
0	0.7946396845

gene_expression_table

3.6804228394	3.0636423164
2.3895020719	1.864743192
0	0.3878116066
0	0
105.5993717761	47.0906738078
2.4180778585	10.902917689
2538.4612407994	3652.3977785358
8.6007070188	18.6441793422
32.6021453088	28.8347015008
246.862217899	98.1282135295
0	0.6957082553
0	0
23.3678096999	27.7881931978
0.1407648419	0.1464686074
0	0
2.9983063286	0
0	0
3431.5615931271	1681.5706634376
47.2713177118	38.144820951
45.469540449	70.967936789
296.1481699139	308.1480392525
0	0
2.0177138067	2.0994711988
8.1543986432	7.1451060003
0	0.1268765141
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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

LZ3_U937_2H_R1_001 trimmed (GE) - TPM

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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gene_expression_table

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