

**Table S1. A list of 540 common DEGs from the microarray and the RNASeq datasets**

Gene.symbol	logFC	logCPM	LR	PValue	FDR
AASS	-1.55312028	3.673132	411.956484	1.3748E-91	2.6952E-90
ABCA6	-2.68935791	3.08585893	747.23891	1.599E-164	1.129E-162
ABCA9	-3.64817002	3.1571675	1133.8794	1.431E-248	2.88E-246
ABCB1	-1.98713127	2.5796718	380.968616	7.6574E-85	1.3359E-83
ABLM1	-1.38881812	7.29873022	437.676951	3.4676E-97	7.5203E-96
ABLM3	-1.48283803	5.37748089	170.558818	5.5862E-39	3.291E-38
ACO1	-1.80846919	6.01480595	993.771882	4.055E-218	5.209E-216
ACSM5	-4.00354898	1.48522467	1600.34971	0	0
ACTA2	-1.64766649	8.8879897	351.090022	2.4534E-78	3.8681E-77
ACTG2	-1.86357846	6.44172977	105.603128	9.0085E-25	3.1881E-24
ACVR1C	-4.96889303	3.14650052	1964.01539	0	0
ADAM33	-3.31966493	3.36095303	932.876698	6.998E-205	7.899E-203
ADAMTS1	-2.13957296	6.24422348	446.934212	3.352E-99	7.5216E-98
ADAMTS9	-1.1710829	4.44461148	151.617172	7.6824E-35	3.9993E-34
ADD3	-1.29640347	6.23044473	261.860855	6.7437E-59	7.0907E-58
ADH1B	-4.7079933	7.51542082	639.904931	3.504E-141	1.776E-139
ADIPOQ	-4.84524659	7.46917636	637.948076	9.337E-141	4.684E-139
ADRB2	-2.70831265	2.06043643	903.257047	1.922E-198	1.948E-196
AHNAK	-1.82439993	11.2869845	548.029239	3.378E-121	1.109E-119
AIFM2	-1.72185616	4.62506938	636.015609	2.457E-140	1.216E-138
AIM1L	4.59223815	1.10599811	358.673869	5.4745E-80	8.8658E-79
AKAP12	-2.50040065	5.85747493	770.270762	1.57E-169	1.17E-167
AKR1C1	-3.14709466	4.86767924	428.066317	4.2831E-95	9.0005E-94
ALDH18A1	1.01689412	7.15646616	330.406769	7.8378E-74	1.1482E-72
ALDOC	-2.00636532	4.49973615	306.509758	1.2577E-68	1.6626E-67
ALS2CL	-1.15070297	3.32414231	193.789801	4.7331E-44	3.2829E-43
AMMECR1	1.26769841	4.50068247	219.089464	1.4289E-49	1.164E-48
AMT	-1.10447147	2.13704153	129.24394	5.9975E-30	2.6067E-29
ANGPT1	-2.52064429	2.87044068	512.162102	2.147E-113	6.024E-112
ANGPTL1	-3.08093215	2.45524726	831.614865	7.221E-183	6.291E-181
ANKDD1A	-1.38983165	1.94958801	463.731061	7.412E-103	1.778E-101
ANKRD35	-1.43979817	2.18156359	142.489649	7.6001E-33	3.6896E-32
ANXA1	-2.02600397	7.72299307	520.00786	4.215E-115	1.241E-113
AOC3	-3.82934593	6.49945117	1759.64451	0	0
APBA1	-1.22002553	3.1379587	143.007274	5.8565E-33	2.8562E-32
APCDD1	-2.2762449	4.80224873	668.437983	2.184E-147	1.223E-145
ARAP3	-1.40542959	4.17227518	538.476075	4.045E-119	1.269E-117
ARHGAP10	-1.20207601	3.97452074	233.411728	1.0748E-52	9.6582E-52
ARHGAP24	-1.08160237	3.5527427	245.830602	2.1059E-55	2.0321E-54
ARHGAP6	-1.27914605	1.99729963	188.908196	5.5037E-43	3.6804E-42
ARHGEF15	-1.99677168	4.29799453	808.817459	6.531E-178	5.467E-176
ARHGEF37	-1.09003389	5.3128019	151.180487	9.5706E-35	4.9701E-34
ARHGEF6	-1.2543138	6.1065112	214.626034	1.3448E-48	1.0607E-47

ARID5B	-1.4640134	6.51793213	500.75019	6.527E-111	1.762E-109
ARL4A	-1.39289964	4.74929045	263.140874	3.5473E-59	3.7616E-58
ARL6IP1	1.08738956	8.72791179	292.868486	1.1791E-65	1.4506E-64
ARMC9	1.03591015	4.11896624	245.727389	2.2179E-55	2.1374E-54
ARRDC3	-1.35382766	6.78105126	453.622619	1.174E-100	2.708E-99
ASPM	4.00855859	5.05896444	562.701274	2.173E-124	7.653E-123
ATAD2	2.09050954	6.42437909	336.674416	3.3817E-75	5.0944E-74
ATP6V0B	1.17721038	7.03361255	385.861801	6.5884E-86	1.1728E-84
AURKA	3.51810299	4.81065066	556.489288	4.879E-123	1.675E-121
AURKB	4.10088701	3.54088463	467.465414	1.141E-103	2.764E-102
BACH2	-1.27868014	2.84770241	193.724723	4.8904E-44	3.3889E-43
BARD1	1.39442005	2.82060629	139.049104	4.2969E-32	2.0259E-31
BAX	1.04912519	5.10299559	377.363012	4.6675E-84	8.058E-83
BBOX1	-1.94712151	3.19574869	93.9251274	3.2769E-22	1.0445E-21
BCL2L12	1.22449043	3.99636294	261.079781	9.9805E-59	1.045E-57
BGN	2.13721195	9.65011616	355.95149	2.1436E-79	3.4379E-78
BHLHE41	-1.15289308	5.96043493	136.153688	1.8467E-31	8.542E-31
BIRC5	4.0389487	4.58628403	425.968348	1.2257E-94	2.5399E-93
BLM	2.63637894	3.33789432	399.738974	6.2771E-89	1.172E-87
BOLA3	1.00848509	3.84965813	152.809349	4.2164E-35	2.2112E-34
BRIP1	2.82687177	3.00283437	320.602903	1.0705E-71	1.5004E-70
BUB3	1.15710528	7.39764789	270.781581	7.666E-61	8.4541E-60
C10orf54	-1.77597463	5.3236097	628.298962	1.172E-138	5.686E-137
C16orf86	-1.01152126	1.20351767	191.673544	1.371E-43	9.34E-43
C16orf89	-1.01894715	3.85117209	25.9291665	3.5418E-07	5.769E-07
C1orf115	-1.25110748	5.85042512	158.271092	2.7003E-36	1.4694E-35
C2orf88	-2.20239049	2.22241617	388.556989	1.7062E-86	3.059E-85
CA4	-5.65510436	1.24298152	480.199623	1.933E-106	4.958E-105
CALCOCO1	-1.1223055	6.34306342	440.143904	1.0072E-97	2.2069E-96
CAPN3	-2.10673321	2.21225583	465.622832	2.873E-103	6.925E-102
CAPS	2.45782214	5.87646823	195.718299	1.7957E-44	1.2608E-43
CAT	-1.75460121	6.73782041	1032.37724	1.647E-226	2.43E-224
CAV1	-3.10191524	7.33034397	1551.81826	0	0
CAV2	-2.64930086	5.59026716	1197.09582	2.609E-262	5.98E-260
CBX7	-1.82968857	5.54655053	677.509476	2.326E-149	1.343E-147
CCDC3	-2.75849276	4.8171813	1027.54019	1.854E-225	2.682E-223
CCDC69	-2.73522565	5.1767461	1074.78877	9.965E-236	1.706E-233
CCDC82	-1.07239648	3.80726187	202.133664	7.1488E-46	5.1804E-45
CCDC85A	-1.91331239	2.19654797	266.651037	6.0928E-60	6.5972E-59
CCNA2	3.26497233	4.68235671	502.044162	3.414E-111	9.281E-110
CCNB1	2.8553826	5.6899732	613.074088	2.4E-135	1.093E-133
CCNB2	3.82864037	4.60995625	577.729938	1.169E-127	4.399E-126
CCNE2	3.60132504	3.97252873	519.346261	5.872E-115	1.719E-113
CD209	-2.5534319	2.61645541	525.437749	2.777E-116	8.442E-115
CD300LG	-5.14303286	3.36820974	1049.61042	2.958E-230	4.689E-228
CD36	-3.75663477	7.71465257	817.716486	7.59E-180	6.499E-178

CDC14B	-1.71279667	3.81734499	726.258431	5.832E-160	3.828E-158
CDC45	3.82330651	3.28355562	459.192566	7.204E-102	1.704E-100
CDCA3	3.66058339	3.65988558	507.883324	1.831E-112	5.071E-111
CDK1	3.59297939	5.64241362	628.690274	9.631E-139	4.689E-137
CDKN2A	2.51297325	4.45597384	152.109926	5.9952E-35	3.1308E-34
CDO1	-3.39364745	3.10346627	899.858671	1.053E-197	1.06E-195
CENPE	3.25854982	4.36643749	521.204832	2.314E-115	6.882E-114
CENPF	3.45046838	6.84109373	581.350102	1.907E-128	7.381E-127
CENPI	3.31160456	1.86008561	394.648207	8.0533E-88	1.4795E-86
CENPM	3.42548576	3.02193807	537.13298	7.928E-119	2.471E-117
CENPN	1.70152289	4.14819002	245.475509	2.5168E-55	2.4161E-54
CEP55	3.95461734	4.53156998	604.022097	2.233E-133	9.673E-132
CEP68	-1.19367033	5.38342734	799.917731	5.623E-176	4.603E-174
CFD	-3.37428857	6.21225559	760.653778	1.936E-167	1.4E-165
CHCHD1	1.14127566	5.19379481	194.978773	2.604E-44	1.8198E-43
CHML	1.10796787	5.38860708	137.327866	1.0223E-31	4.7673E-31
CKAP2	1.57808383	5.33882124	387.414582	3.025E-86	5.4041E-85
CLDN11	-2.33015404	3.56510585	454.934891	6.084E-101	1.41E-99
CLDN8	-1.95604985	3.86121777	137.856758	7.8328E-32	3.6664E-31
CLEC7A	1.81973087	3.73929594	150.432968	1.3942E-34	7.1926E-34
CLIC3	2.05568869	2.60380805	112.014146	3.5477E-26	1.3338E-25
CLIC5	-2.04315692	3.15841632	467.362219	1.202E-103	2.906E-102
CLIP3	-1.07127627	4.58537392	208.833604	2.468E-47	1.8857E-46
CMTM7	-1.20611558	4.89344106	135.451735	2.6298E-31	1.2071E-30
CNTNAP2	4.36789641	5.23775579	192.184721	1.0604E-43	7.2672E-43
COBLL1	-1.13095172	5.38423787	213.444019	2.435E-48	1.9115E-47
COL11A1	6.94653257	7.74293295	545.732639	1.067E-120	3.465E-119
COL12A1	1.60930114	9.19115441	139.940293	2.7433E-32	1.3008E-31
COL1A1	1.87701768	12.7717844	181.087618	2.8051E-41	1.7937E-40
COL1A2	1.23750446	11.9313801	105.77916	8.2428E-25	2.9213E-24
COL3A1	1.04854138	11.9281793	72.9211826	1.3493E-17	3.5676E-17
COL4A6	-1.24501071	3.04540745	47.2759612	6.1664E-12	1.2699E-11
COL5A1	1.77652656	9.02410411	172.07811	2.602E-39	1.5569E-38
COL5A2	1.84537849	9.14752863	188.006778	8.6581E-43	5.7639E-42
CORO2A	1.48626999	5.82849389	204.946065	1.74E-46	1.2847E-45
COX17	1.1192615	5.05579423	159.028974	1.8442E-36	1.008E-35
CRIM1	-1.56589746	7.22114485	406.238776	2.4147E-90	4.6361E-89
CRY2	-1.31305118	5.77502741	547.734323	3.916E-121	1.28E-119
CRYAB	-2.53502415	6.88026337	282.127127	2.5826E-63	3.0062E-62
CRYBG3	-1.68557428	3.99705234	353.883368	6.0464E-79	9.6347E-78
CSRP1	-1.24289048	8.53166242	361.021012	1.6876E-80	2.766E-79
CST1	7.67503814	4.37252167	315.346646	1.4946E-70	2.0524E-69
CTXN1	2.65390849	4.90444553	462.70832	1.237E-102	2.959E-101
CX3CL1	-2.64310963	6.8788629	584.881873	3.252E-129	1.285E-127
CX3CR1	-1.02661733	3.88540817	63.1229726	1.942E-15	4.6825E-15
CXCL10	4.03873246	5.86162208	273.257015	2.2135E-61	2.4703E-60

CXCL11	4.41907992	4.00538591	307.900787	6.2593E-69	8.3044E-68
CXCL12	-1.72301976	7.31498959	385.805047	6.7785E-86	1.2037E-84
CXCL2	-3.38325906	2.12365698	587.522199	8.667E-130	3.481E-128
CXorf36	-1.94954919	4.8191429	783.329068	2.273E-172	1.764E-170
CYP2U1	-1.27038278	3.59797245	511.216534	3.448E-113	9.619E-112
DBF4	1.62911719	3.90658514	388.985597	1.3763E-86	2.4735E-85
DCAF10	1.17871599	6.90337688	130.526591	3.1429E-30	1.3809E-29
DCAF13	1.39489409	6.15883389	292.691007	1.2889E-65	1.5831E-64
DDR2	-2.56477835	4.12356877	694.949963	3.749E-153	2.289E-151
DENND2A	-2.32355205	2.54868895	763.644872	4.331E-168	3.147E-166
DEPDC1B	3.89761915	2.67647079	568.383408	1.262E-125	4.497E-124
DEPDC1	3.86195451	3.89753924	487.341775	5.398E-108	1.406E-106
DGAT2	-3.29341336	6.13682134	897.017705	4.367E-197	4.337E-195
DHTKD1	1.05604505	6.44321502	181.022834	2.898E-41	1.8523E-40
DIAPH3	3.08892346	3.28434565	396.12281	3.8456E-88	7.1086E-87
DKK3	-1.45227697	6.10231196	264.475822	1.8152E-59	1.9429E-58
DMD	-2.88361709	4.63700438	767.589049	6.011E-169	4.434E-167
DNAH14	2.27846769	3.18799002	517.918669	1.201E-114	3.466E-113
DNMT3B	1.98423808	3.05866437	218.116363	2.3295E-49	1.8822E-48
DONSON	1.79299873	4.01866322	351.581688	1.9174E-78	3.0326E-77
DPY30	1.08045919	5.33066855	272.726471	2.8887E-61	3.2118E-60
DPYSL2	-1.33839243	6.73888977	391.372225	4.1605E-87	7.5686E-86
DST	-2.43999248	8.12210987	909.859664	7.054E-200	7.299E-198
DTL	3.49456011	4.91710703	656.494319	8.644E-145	4.683E-143
E2F8	3.18333123	2.81469995	289.821778	5.4374E-65	6.5917E-64
EBF1	-2.83938153	4.14439074	1348.9421	2.616E-295	8.291E-293
EBF3	-2.63054096	2.50298613	968.886334	1.041E-212	1.271E-210
ECE2	2.05769194	3.75077409	320.740453	9.9911E-72	1.4043E-70
ECHDC3	-1.57338076	4.4583389	405.996641	2.7262E-90	5.2276E-89
ECM1	1.67537671	7.0296269	73.7000513	9.0937E-18	2.4224E-17
ECT2	2.08487845	5.90213701	531.864343	1.11E-117	3.438E-116
EDN3	-2.3713556	1.85580454	78.4823769	8.0715E-19	2.2449E-18
EGFL7	-1.18330878	5.28165114	183.866101	6.9397E-42	4.5131E-41
EGFLAM	-1.68242975	3.80556506	553.786259	1.889E-122	6.355E-121
EGFR	-1.58576004	5.15661109	91.7384417	9.8924E-22	3.0944E-21
EGF	-1.33992084	3.58715587	71.5125397	2.755E-17	7.2101E-17
EGLN3	1.67310935	5.67499797	116.288619	4.1092E-27	1.6082E-26
EHBP1	-1.09824698	5.47201145	529.339743	3.932E-117	1.208E-115
EHD2	-2.02813365	7.13661894	846.47918	4.236E-186	3.802E-184
ELF5	-1.229547	5.41712712	29.1840843	6.5818E-08	1.1147E-07
EPHB6	-1.29137875	3.66932768	84.6115452	3.6314E-20	1.0686E-19
EPT1	1.06780043	6.27817223	312.131805	7.496E-70	1.0107E-68
ERG	-1.51493312	4.2467217	479.177105	3.227E-106	8.163E-105
ESPL1	3.17158282	4.0414582	453.591071	1.193E-100	2.747E-99
ESRP1	1.62304531	7.39057904	305.145286	2.4935E-68	3.2848E-67
ESYT1	-1.02072215	7.41904453	504.033626	1.26E-111	3.444E-110

ETS2	-1.201533	6.01300811	291.046178	2.9417E-65	3.5896E-64
ETV5	-1.1115673	4.72586935	163.37666	2.0698E-37	1.1646E-36
EXO1	4.30409384	3.7812784	581.432159	1.83E-128	7.102E-127
EZH2	2.78018353	4.56616619	546.490106	7.304E-121	2.376E-119
EZR	1.13763587	8.6005658	238.137462	1.0019E-53	9.2088E-53
FADS3	-1.95108817	4.81611826	914.014563	8.816E-201	9.185E-199
FAM149A	-2.22509851	1.82712717	600.81135	1.115E-132	4.761E-131
FAM150B	-1.25157553	0.29875986	16.8370414	4.073E-05	5.9135E-05
FAM3D	-1.17912059	1.78596732	18.5190197	1.6822E-05	2.5013E-05
FAM64A	3.62878727	2.69174724	418.641325	4.8215E-93	9.6943E-92
FAM96A	1.07903455	5.33241554	338.527515	1.3352E-75	2.0217E-74
FANCI	2.20285909	5.71285498	495.390158	9.572E-110	2.551E-108
FBLN1	-1.07455697	7.94188701	125.242251	4.5046E-29	1.8884E-28
FBXL6	1.36017164	5.12610327	294.164426	6.1544E-66	7.6158E-65
FCGR1B	1.92404543	2.66993403	262.725949	4.3685E-59	4.6194E-58
FGF1	-2.03214035	4.21949726	586.419116	1.506E-129	5.999E-128
FGF2	-2.49289171	4.19472276	429.407121	2.1874E-95	4.6031E-94
FGF7	-1.44374599	3.68029504	230.088036	5.7035E-52	5.0282E-51
FGFR1OP	1.20414423	3.97196358	263.535985	2.9092E-59	3.0938E-58
FHL1	-4.32700284	7.04893634	1972.49023	0	0
FKBP4	1.42965154	8.76707996	261.217022	9.3162E-59	9.7679E-58
FLAD1	1.2125123	5.93146094	334.229251	1.1526E-74	1.7121E-73
FLNC	-2.37869616	4.74200736	496.18291	6.434E-110	1.721E-108
FLVCR1	1.94955653	3.68195694	469.774364	3.588E-104	8.778E-103
FN1	2.91783574	12.1333862	442.916223	2.5105E-98	5.5579E-97
FOXN3	-1.45290058	6.15706148	689.724083	5.132E-152	3.083E-150
FXYD1	-4.49658312	2.74187172	1237.05566	5.397E-271	1.318E-268
FZD4	-2.36407768	6.31353887	1012.00306	4.418E-222	5.825E-220
GEN1	1.3557391	4.31989206	324.417854	1.5799E-72	2.2677E-71
GFER	1.00085302	4.8541775	259.566408	2.1332E-58	2.2179E-57
GGCT	1.44069294	6.85014427	254.828632	2.3003E-57	2.3299E-56
GHR	-2.85132756	4.91203704	852.274834	2.328E-187	2.115E-185
GIMAP8	-1.76918044	4.2473207	604.218098	2.025E-133	8.82E-132
GIN51	2.92863273	4.2480092	576.326238	2.362E-127	8.796E-126
GJB2	4.7140139	5.50642363	453.417166	1.302E-100	2.983E-99
GK	1.74643761	3.2627537	362.526729	7.9323E-81	1.3073E-79
GLTSCR2	-1.01581881	8.35642761	276.208446	5.0334E-62	5.6856E-61
GNAI1	-2.25232154	4.19776673	739.916828	6.25E-163	4.271E-161
GPR68	1.83357012	3.79050975	292.180546	1.6651E-65	2.0385E-64
GPRASP1	-1.96507496	3.17309767	664.356415	1.686E-146	9.374E-145
GPRC5A	2.56583178	7.50233716	249.68427	3.0428E-56	2.9983E-55
GPRC5B	-1.38555893	5.26450712	223.762845	1.3666E-50	1.151E-49
GPSM2	1.50961614	4.95466602	239.64099	4.7096E-54	4.3746E-53
GRAMD3	-1.41755853	4.96304454	420.724171	1.6975E-93	3.4364E-92
GSN	-2.62559278	9.22579033	1706.33488	0	0
GYG2	-3.95944921	5.19021178	1841.23525	0	0

H2AFX	1.50464264	5.73948268	317.779401	4.4116E-71	6.1143E-70
H2AFZ	1.55529062	7.70216365	397.697774	1.7462E-88	3.236E-87
HADH	-1.12123767	6.55999567	461.465499	2.307E-102	5.499E-101
HAGHL	3.95416217	3.52844479	596.265201	1.087E-131	4.536E-130
HBB	-4.81369228	5.08149102	1512.67021	0	0
HIST1H1C	2.1469002	6.14621044	155.491261	1.0936E-35	5.8544E-35
HIST1H2BD	2.82639601	5.39675968	311.139392	1.2332E-69	1.6597E-68
HIST1H4J	2.24422692	1.49967823	222.595144	2.4566E-50	2.0516E-49
HIST2H2BE	2.06529546	6.50760227	193.150892	6.5251E-44	4.5071E-43
HMGB3	2.60048604	6.36150663	387.934354	2.3312E-86	4.1745E-85
HN1L	1.29325966	8.1836549	365.12376	2.1574E-81	3.5714E-80
HOPX	1.26630606	3.46494517	114.476146	1.0249E-26	3.9519E-26
HOXA3	-1.73491079	1.6563054	258.753454	3.208E-58	3.3238E-57
HSD17B6	3.80260507	2.37490309	784.844203	1.065E-172	8.349E-171
HSPA12B	-1.77902705	4.02507011	589.438095	3.32E-130	1.34E-128
HSPB11	1.01770926	4.55924334	163.48868	1.9564E-37	1.1016E-36
HSPB6	-4.76903542	6.38709801	1876.79608	0	0
IGF1	-2.06015787	5.08735821	314.856201	1.9114E-70	2.6032E-69
IL17RD	-1.55557189	5.47394174	274.532276	1.1672E-61	1.3115E-60
IL34	-1.4798546	3.76128552	130.829828	2.6977E-30	1.1881E-29
INHBA	3.77953135	4.25784695	492.447433	4.181E-109	1.103E-107
INTS7	1.44636548	5.45804973	507.627638	2.081E-112	5.754E-111
INTS8	1.02408423	5.82697027	248.696424	4.9961E-56	4.8908E-55
IRS2	-1.6757748	5.67993639	250.755133	1.7775E-56	1.7585E-55
IRX1	-2.12182865	4.08311652	163.249988	2.206E-37	1.2403E-36
ISM1	-2.20009333	3.9645793	518.340836	9.717E-115	2.833E-113
ITGA7	-3.69824362	4.94875553	1550.28318	0	0
ITGA9	-1.16675793	3.32819286	135.526636	2.5325E-31	1.1635E-30
ITIH5	-3.70787076	5.68763003	1367.20724	2.808E-299	9.298E-297
JAM2	-1.78363536	3.34364056	551.183213	6.96E-122	2.315E-120
JAM3	-1.0834998	5.15196581	213.091954	2.9061E-48	2.2729E-47
JTB	1.00889018	7.35109252	319.510943	1.8511E-71	2.5799E-70
KANK1	-1.73883385	5.71519316	582.953937	8.542E-129	3.34E-127
KCNB1	-3.03214026	0.60919303	353.772332	6.3925E-79	1.0175E-77
KCNMB1	-2.47496091	3.33248616	555.830501	6.786E-123	2.308E-121
KDELR3	1.30266442	5.44328981	138.892819	4.6487E-32	2.1891E-31
KIAA1211	3.21669121	3.46954704	360.654718	2.0278E-80	3.3127E-79
KIF11	2.88096744	5.28274391	609.645033	1.336E-134	5.962E-133
KIF20A	3.86724114	4.99878199	571.240345	3.017E-126	1.096E-124
KIF21A	1.11666476	4.79516588	161.31527	5.8383E-37	3.2445E-36
KIF22	1.28338047	6.19627576	377.991473	3.4061E-84	5.8939E-83
KIF23	3.14517323	4.79898155	604.818855	1.499E-133	6.586E-132
KIF26A	-1.62616591	2.98669354	331.018196	5.768E-74	8.4584E-73
KIF26B	3.28993125	4.2890779	425.187079	1.8131E-94	3.7312E-93
KIF4A	4.53223936	4.90089788	732.140894	3.067E-161	2.067E-159
KIT	-2.95683882	6.05192652	580.963404	2.315E-128	8.912E-127

KLB	-4.53558393	2.67866575	2006.86256	0	0
KLF15	-3.53728382	2.20170343	1122.75213	3.749E-246	7.254E-244
KNTC1	1.37305766	4.85408939	306.985099	9.9086E-69	1.3111E-67
KRT14	-2.19660366	8.12179942	108.577794	2.0081E-25	7.2902E-25
KRT5	-2.16307587	8.1396802	118.881439	1.1118E-27	4.4409E-27
LAMA3	-1.91225767	6.089385	228.217091	1.4594E-51	1.2664E-50
LAMB3	-1.82517485	6.26410966	207.66644	4.436E-47	3.3533E-46
LAMC2	-1.38165912	6.50077911	98.8685835	2.6983E-23	9.0198E-23
LDB2	-1.97032574	4.13916288	865.507807	3.092E-190	2.879E-188
LEP	-5.85809546	5.14946904	929.217971	4.368E-204	4.821E-202
LGALS12	-4.52244402	2.8908148	779.944404	1.238E-171	9.554E-170
LGR4	-1.14448798	5.29605039	128.195858	1.017E-29	4.3829E-29
LGR6	-1.57490997	3.86999537	72.6705104	1.5321E-17	4.0465E-17
LHX6	-1.80813558	2.81878232	409.52524	4.6502E-91	9.0685E-90
LIFR	-2.43385253	5.78978087	822.924499	5.597E-181	4.82E-179
LIMS2	-2.43821119	5.11273283	1280.31023	2.148E-280	5.519E-278
LIPE	-4.45375627	5.95604737	1648.03291	0	0
LOXL1	1.00456319	6.28275749	93.2608951	4.5836E-22	1.4527E-21
LPL	-4.26338383	6.99191655	1378.83816	8.336E-302	2.888E-299
LRRN3	-2.02865012	1.69807482	243.081539	8.3716E-55	7.9243E-54
LTBP2	-1.1287512	7.69655692	154.512492	1.7895E-35	9.5186E-35
LY75	-1.14239164	4.97487057	120.234491	5.6208E-28	2.2726E-27
MAF	-1.07999161	5.26478436	252.360647	7.9398E-57	7.9233E-56
MAGI1	-1.00287568	5.38533007	210.426113	1.1089E-47	8.5296E-47
MAGOHB	1.30369418	4.29004999	226.398697	3.6371E-51	3.1107E-50
MAP1B	-1.07074614	6.19559393	130.831479	2.6954E-30	1.1874E-29
MBOAT2	1.69727553	5.64471105	237.00528	1.7689E-53	1.6189E-52
MCAM	-2.1374059	7.09596273	1021.93731	3.062E-224	4.185E-222
MEG3	-1.3712211	2.49735434	122.623959	1.6855E-28	6.9543E-28
MEIS2	-1.5313056	3.14802077	307.682446	6.9838E-69	9.2573E-68
MFAP2	2.3225662	5.80545365	305.117904	2.528E-68	3.3273E-67
MGLL	-2.11729563	6.7489847	591.155728	1.405E-130	5.733E-129
MIAT	1.49135336	3.35427424	122.096414	2.1989E-28	9.0152E-28
MID1	-1.29782768	4.08799335	120.670426	4.5119E-28	1.8302E-27
MIF	1.3036254	8.30857094	228.222133	1.4557E-51	1.2639E-50
MLXIPL	-3.79216789	2.57015047	917.53026	1.517E-201	1.592E-199
MMD	-2.53418166	4.81736139	1196.67127	3.226E-262	7.283E-260
MME	-3.15083136	5.79760282	806.505292	2.078E-177	1.72E-175
MMP11	6.01084163	9.15703088	732.742956	2.269E-161	1.536E-159
MMP1	7.35097834	5.0867277	319.981344	1.4621E-71	2.0415E-70
MMP3	2.68547401	3.9625945	154.857075	1.5046E-35	8.0407E-35
MMP9	2.43724182	7.37967688	121.058275	3.7107E-28	1.5089E-27
MND1	3.84773309	1.97658609	404.927238	4.6596E-90	8.8891E-89
MPHOSPH9	1.00452738	3.62318078	175.944443	3.7236E-40	2.2887E-39
MRGPRF	-2.46168813	3.43030668	895.02804	1.182E-196	1.166E-194
MRPL13	1.40342356	5.68397097	262.777	4.258E-59	4.5057E-58

MRPL14	1.19954317	5.41456532	297.147498	1.378E-66	1.7384E-65
MRPS17	1.09912185	4.21538112	146.916046	8.1862E-34	4.0997E-33
MSR1	1.0299238	5.62032957	91.6721279	1.023E-21	3.1959E-21
MTBP	1.66960034	3.10155529	236.970033	1.8005E-53	1.6467E-52
MYBL1	2.67398887	4.30104214	218.867355	1.5975E-49	1.2985E-48
MYBL2	3.91737683	5.90289199	372.548118	5.2167E-83	8.8523E-82
MYH11	-3.210856	7.15354224	640.970641	2.055E-141	1.052E-139
MYL9	-1.55765988	8.23279671	412.64016	9.7597E-92	1.9183E-90
MYLK	-2.21845209	7.42417645	598.910042	2.89E-132	1.22E-130
MYO19	1.09499011	5.20523456	206.840962	6.7159E-47	5.0332E-46
MYO1G	1.35075018	3.08487628	124.971699	5.1626E-29	2.1618E-28
NAV2	-1.3800684	5.88214725	185.243674	3.4722E-42	2.2729E-41
NCALD	-1.56241627	5.52083213	178.089762	1.2662E-40	7.9267E-40
NCAPG	3.48973019	4.64514498	568.564407	1.152E-125	4.117E-124
NDC80	3.99545653	3.98473264	561.089963	4.87E-124	1.703E-122
NFE2L3	1.50454102	5.00567982	138.507414	5.6444E-32	2.652E-31
NFIB	-1.55885505	7.06141607	210.434959	1.104E-47	8.4962E-47
NMB	-2.0892837	2.90133985	507.90866	1.808E-112	5.017E-111
NOTCH4	-1.58588967	4.73635787	614.093341	1.44E-135	6.603E-134
NPR2	-1.62800981	3.36809498	468.167677	8.026E-104	1.948E-102
NRG1	-2.01144736	1.72496719	164.154861	1.3994E-37	7.9094E-37
NRG2	-2.54959174	0.54910105	254.841154	2.2859E-57	2.3169E-56
NRIP2	-1.10841151	2.00350265	280.527664	5.7625E-63	6.671E-62
NRN1	-2.24233914	4.13449329	611.964578	4.183E-135	1.888E-133
NUP210	1.75648339	6.95736143	321.603438	6.481E-72	9.1613E-71
NUSAP1	3.3593526	5.48030053	657.490171	5.25E-145	2.865E-143
NVL	1.52526696	5.62303012	401.150287	3.0941E-89	5.8059E-88
OAS2	1.78701693	7.01937408	136.786679	1.3426E-31	6.2375E-31
OASL	2.55741428	4.26159277	194.576068	3.1881E-44	2.2227E-43
OAZ3	1.84650566	2.07317444	216.02721	6.6525E-49	5.3003E-48
OGN	-2.14925255	5.30407324	186.414377	1.9277E-42	1.2686E-41
OLFML2A	-1.26857579	5.64995239	308.441011	4.7736E-69	6.3445E-68
OLFML2B	1.13265332	6.11881231	107.365429	3.7021E-25	1.3288E-24
OSR1	-2.20341195	3.38623433	205.838684	1.1112E-46	8.2531E-46
OXTR	-4.06931566	5.27877891	1073.78353	1.648E-235	2.79E-233
PALMD	-2.61784134	5.33251809	1080.03766	7.205E-237	1.248E-234
PAQR4	2.3598393	6.36576172	425.40165	1.6283E-94	3.3601E-93
PARD3B	-1.13131472	2.14624338	136.671586	1.4227E-31	6.6076E-31
PARP1	1.22105346	8.24480711	393.724935	1.2793E-87	2.3444E-86
PCK1	-5.07761811	3.24769113	717.168159	5.526E-158	3.504E-156
PCNA	1.47883253	7.01170519	380.198343	1.1266E-84	1.9564E-83
PDE1A	-1.00590705	1.89471962	123.381145	1.1508E-28	4.7732E-28
PDE1C	-2.87331316	0.98695379	446.384727	4.415E-99	9.8762E-98
PDE2A	-3.35132713	4.07122666	1697.40363	0	0
PDGFD	-1.72602087	4.87848766	436.958401	4.9707E-97	1.0731E-95
PDGFRA	-1.27899543	6.2933913	168.566835	1.5212E-38	8.8361E-38



PDK4	-3.15431351	6.54952252	728.370433	2.026E-160	1.347E-158
PDLIM3	-1.84933519	5.41693055	391.210043	4.5128E-87	8.1996E-86
PDLIM4	-1.57362022	4.80128993	293.534633	8.4413E-66	1.0428E-64
PEAR1	-2.27766304	3.41587003	877.574148	7.362E-193	6.986E-191
PELI2	-1.57221115	3.28912837	361.489058	1.3346E-80	2.1947E-79
PEMT	-1.43705352	4.65326827	575.692478	3.244E-127	1.205E-125
PFDN2	1.33122195	5.70733004	193.145424	6.5431E-44	4.5174E-43
PFKFB3	-1.90140095	7.25185426	463.588122	7.963E-103	1.907E-101
PHKG2	1.18018247	5.00644191	346.08203	3.0224E-77	4.7103E-76
PHLDA2	1.38747594	3.5112747	100.376718	1.26E-23	4.2617E-23
PI16	-3.85329095	4.54456205	505.986939	4.735E-112	1.302E-110
PIGR	-2.55032783	6.49521686	146.698907	9.1317E-34	4.564E-33
PIK3R1	-1.32790994	7.40574395	274.703121	1.0713E-61	1.2046E-60
PITX1	3.71235395	5.31345669	304.111782	4.1877E-68	5.4923E-67
PLAGL1	-1.63144886	4.0562339	315.245413	1.5725E-70	2.1533E-69
PLAUR	1.81093851	5.17991308	251.176426	1.4387E-56	1.4262E-55
PLAU	1.29274417	6.53050107	108.518935	2.0686E-25	7.5026E-25
PLEKHA4	-1.37338991	5.58729465	232.262802	1.9137E-52	1.7073E-51
PLEKHH2	-1.6572367	3.28774824	277.657106	2.4331E-62	2.7715E-61
PLEKHM3	-1.47167466	3.96746801	600.804705	1.119E-132	4.763E-131
PLK4	2.30805518	3.58524783	450.310374	6.174E-100	1.398E-98
PLSCR4	-1.95108772	4.68149663	794.668283	7.785E-175	6.338E-173
PLXNA4	-3.19989161	4.11965963	991.985621	9.915E-218	1.252E-215
PNPLA2	-2.06123761	7.61196674	1155.8723	2.375E-253	4.983E-251
POLE2	2.5958646	2.38001327	507.079009	2.74E-112	7.546E-111
POLQ	3.42629962	2.9729718	507.216543	2.558E-112	7.056E-111
PPARG	-3.1839813	4.23261975	1253.88796	1.186E-274	2.946E-272
PPP1R12B	-2.03743312	6.00314982	1230.91141	1.168E-269	2.807E-267
PPP2R1B	-1.25692699	5.41139963	480.103552	2.029E-106	5.193E-105
PPP4C	1.17510323	6.74233125	424.574884	2.4642E-94	5.0571E-93
PRNP	-1.35372543	6.9105688	289.988995	4.9998E-65	6.076E-64
PROS1	-1.82082797	4.91473738	511.730074	2.666E-113	7.465E-112
PRX	-1.57605096	3.62927355	459.19186	7.207E-102	1.704E-100
PSMA5	1.07009897	6.67109941	238.290506	9.2781E-54	8.5435E-53
PSMB3	1.05969861	6.8347028	133.650313	6.5158E-31	2.9373E-30
PTCHD1	-1.54387571	1.56504697	53.4161322	2.6987E-13	5.9199E-13
PTPRZ1	-1.34639415	2.76729109	28.7314217	8.3144E-08	1.3989E-07
PYCRL	1.44947899	5.3910799	309.066637	3.4878E-69	4.6605E-68
RAB11FIP4	1.13218903	5.70721302	140.24957	2.3477E-32	1.1164E-31
RABIF	1.50117542	4.6961602	572.92169	1.299E-126	4.757E-125
RAD54B	2.38501817	3.38736264	408.5021	7.7657E-91	1.5026E-89
RAD54L	3.67485197	3.09914244	497.243344	3.782E-110	1.015E-108
RAP2C	1.11682181	6.02359695	149.995033	1.738E-34	8.9198E-34
RASIP1	-1.83901449	4.27781304	600.203511	1.512E-132	6.418E-131
RASL12	-1.16946228	3.34080818	186.495464	1.8507E-42	1.219E-41
RBP7	-2.09492994	3.99054194	420.864558	1.5822E-93	3.2073E-92

RGS4	2.17845722	3.71112397	197.773728	6.3925E-45	4.5267E-44
RILP	-1.5743042	2.87751478	586.760037	1.27E-129	5.085E-128
RNASEH2A	1.80848996	4.87135091	519.749039	4.799E-115	1.41E-113
RNF150	-2.60454281	2.36988909	520.035869	4.157E-115	1.226E-113
RNF180	-1.18516841	2.6660453	217.86985	2.6365E-49	2.1256E-48
RNFT2	2.69858496	2.50332943	359.598117	3.4442E-80	5.6021E-79
ROBO3	-2.19734901	2.50485064	764.908805	2.3E-168	1.688E-166
ROBO4	-2.04512139	4.87725132	1026.30637	3.438E-225	4.878E-223
RSAD2	1.88186748	5.32392498	135.294696	2.8463E-31	1.304E-30
RSPO3	-2.23403062	2.42326239	430.998766	9.8516E-96	2.0761E-94
RUNX1T1	-1.7211796	1.25619169	299.773599	3.6906E-67	4.7158E-66
S100A11	1.1129451	8.92883329	141.789235	1.0814E-32	5.2173E-32
SAMD12	1.0801088	4.98304575	113.860473	1.3981E-26	5.3616E-26
SAMD4A	-1.60234344	4.34974928	455.375202	4.879E-101	1.134E-99
SAMD9	1.12334884	5.60174158	87.8671722	7.0001E-21	2.1168E-20
SASH1	-1.26895941	6.38905127	236.757248	2.0035E-53	1.8302E-52
SCCPDH	1.06325541	6.95406751	105.063378	1.1829E-24	4.1665E-24
SCGB1D2	1.15934463	7.93972983	10.7714569	0.00103077	0.00137218
SCRN2	-1.26056585	4.93344969	342.08203	2.2462E-76	3.4716E-75
SDC1	1.62137466	8.67440518	167.868339	2.1615E-38	1.2502E-37
SDS	2.54146585	3.39478313	331.15496	5.3856E-74	7.9133E-73
SEMA3G	-2.9405937	5.45841453	1093.08405	1.052E-239	1.911E-237
SEMA5A	-1.4966807	5.66214166	239.844184	4.2529E-54	3.9528E-53
SEMA6A	-1.2643794	4.73938744	129.836925	4.4486E-30	1.942E-29
SEMA6D	-1.44208298	3.69200034	113.33254	1.8246E-26	6.9561E-26
SERPING1	-1.24523791	8.3370574	247.542201	8.9181E-56	8.69E-55
SFRP1	-2.688846	8.21514069	246.494781	1.5088E-55	1.4616E-54
SGK2	-3.65054491	0.85545833	948.582739	2.697E-208	3.164E-206
SH3BGRL2	-1.80796139	4.66531935	538.301747	4.415E-119	1.382E-117
SH3D19	-1.81829032	6.2388613	1032.19226	1.807E-226	2.639E-224
SHCBP1	3.22947961	3.6250538	495.3825	9.608E-110	2.556E-108
SIGLEC7	1.2443157	1.058943	126.163523	2.8316E-29	1.1965E-28
SIRPA	-1.31980312	6.08891848	288.280378	1.1783E-64	1.4157E-63
SKA2	1.19107828	5.44271649	178.547227	1.0061E-40	6.3193E-40
SKA3	3.82072252	3.37384637	576.593929	2.065E-127	7.712E-126
SLC11A1	1.59412957	2.59729877	142.763048	6.6228E-33	3.2225E-32
SLC12A8	1.81701812	4.4992985	402.062828	1.9583E-89	3.6933E-88
SLC1A4	1.01967107	6.88327828	97.2034532	6.2557E-23	2.0561E-22
SLC25A27	-1.69456717	2.00502429	208.352133	3.1433E-47	2.3906E-46
SLC35A2	1.31858587	5.73330264	516.942049	1.958E-114	5.632E-113
SLC39A11	1.49732447	6.46466212	223.335109	1.6941E-50	1.422E-49
SLC7A5	2.37399222	7.06437912	174.011683	9.8409E-40	5.9674E-39
SMAD9	-1.34701791	0.37971887	167.23192	2.9769E-38	1.7132E-37
SMS	1.17644752	6.88443809	270.057356	1.1026E-60	1.2141E-59
SNCA	-1.50013987	1.46643678	337.503465	2.2314E-75	3.3684E-74
SNRPD1	1.08781789	5.59518278	208.426833	3.0276E-47	2.3049E-46

SNRPE	1.32993887	6.0415942	289.502648	6.3815E-65	7.7049E-64
SNRPF	1.11972433	5.69015453	141.044931	1.573E-32	7.5404E-32
SOD3	-2.81105426	5.19959289	698.918014	5.14E-154	3.152E-152
SORBS1	-3.35891444	6.83076146	1630.60335	0	0
SORBS2	-1.04821093	5.96893956	78.9705844	6.3042E-19	1.7615E-18
SOSTDC1	-1.54121267	3.20669866	52.7943618	3.7036E-13	8.0708E-13
SOX10	-2.10492296	5.85178008	82.294952	1.1722E-19	3.3774E-19
SOX17	-2.22912067	2.16103065	789.067789	1.285E-173	1.024E-171
SOX7	-1.74257533	3.15837528	474.112827	4.081E-105	1.015E-103
SPAG4	1.69252949	2.35196454	154.613006	1.7012E-35	9.0621E-35
SPAG5	3.17907103	5.31540353	508.918788	1.09E-112	3.03E-111
SPP1	2.28945475	7.99504802	150.44646	1.3848E-34	7.1464E-34
SPTBN1	-1.8154613	8.70194226	1091.50348	2.32E-239	4.165E-237
STAT1	1.29954763	8.67285498	133.256088	7.947E-31	3.5739E-30
STAT5A	-1.61181503	6.17056141	544.252926	2.24E-120	7.208E-119
STMN1	1.81867824	7.74933572	244.163571	4.8629E-55	4.6325E-54
STOX2	-1.25970915	0.61231463	95.7563745	1.2993E-22	4.2211E-22
STX1A	1.77300841	2.9588231	249.557526	3.2427E-56	3.1932E-55
SUN2	-1.03474342	7.53110278	299.232899	4.8406E-67	6.1746E-66
SVEP1	-3.09928408	5.47445388	1062.33275	5.079E-233	8.225E-231
SYNE1	-1.37445027	5.83220759	348.38207	9.5383E-78	1.4928E-76
SYNM	-3.08503457	7.12188691	581.067674	2.197E-128	8.48E-127
TACC1	-1.61498023	6.81289107	342.173367	2.1456E-76	3.3196E-75
TACC3	2.34447976	5.5418163	512.596007	1.727E-113	4.874E-112
TAGLN	-1.44576263	8.83999757	252.082758	9.1282E-57	9.091E-56
TCEAL7	-1.86194567	1.08556719	490.915025	9.01E-109	2.363E-107
TCEB1	1.22972861	5.55674993	222.652397	2.387E-50	1.9968E-49
TCF7L2	-1.06680068	5.21834908	239.122249	6.1108E-54	5.6549E-53
TDO2	4.84131891	2.38232142	315.693049	1.2562E-70	1.7266E-69
TEF	-1.52006953	5.02664747	573.764274	8.521E-127	3.135E-125
TFEC	1.12878585	3.18680038	94.8025984	2.1035E-22	6.7587E-22
TFPI	-1.61197208	4.80343905	232.989212	1.3288E-52	1.1898E-51
TFRC	1.16659624	7.39245	122.354137	1.931E-28	7.9454E-28
TGFB1I1	-1.2828958	5.42927845	323.626931	2.349E-72	3.3555E-71
TGFBR3	-2.33618828	6.25494052	415.859298	1.9441E-92	3.8673E-91
THRSP	-2.59916653	4.51552657	228.388641	1.3389E-51	1.1652E-50
TIMELESS	1.65671406	5.69421722	425.646308	1.4404E-94	2.9806E-93
TIMM17A	1.3186305	6.31969665	435.304026	1.1389E-96	2.431E-95
TINAGL1	-1.88421885	5.59121025	390.694167	5.8446E-87	1.0581E-85
TIPIN	1.06083361	2.69244519	179.433914	6.442E-41	4.0652E-40
TLE2	-1.14354358	5.58236109	211.813722	5.5229E-48	4.2791E-47
TLE4	-1.248539	4.02209375	252.507743	7.3746E-57	7.3642E-56
TM4SF18	-1.39862024	3.37829566	190.605082	2.3456E-43	1.5799E-42
TMEM100	-3.0749606	2.1595534	528.091097	7.349E-117	2.248E-115
TMEM206	1.70824384	3.94114943	440.955646	6.706E-98	1.4736E-96
TMEM213	-1.15031897	1.40121905	18.139445	2.053E-05	3.0382E-05

TNFSF13B	1.45866178	2.45409307	121.057239	3.7126E-28	1.5093E-27
TNMD	-3.38766136	1.11771244	262.301554	5.4056E-59	5.6957E-58
TNS1	-3.05028275	8.0018483	1852.89858	0	0
TOP2A	3.72367896	7.42472888	459.155544	7.339E-102	1.733E-100
TP63	-2.53196645	4.56744583	312.466283	6.3382E-70	8.5615E-69
TPM2	-1.29185555	7.0876782	201.173396	1.1582E-45	8.3562E-45
TPM3	1.31254129	9.17126067	572.73903	1.424E-126	5.2E-125
TRIM11	1.23960821	5.41382401	498.557398	1.958E-110	5.276E-109
TRIM29	-1.96991235	6.13602531	146.79321	8.7084E-34	4.3539E-33
TRIM59	2.3940446	4.03427163	660.160205	1.379E-145	7.608E-144
TRNP1	-1.13424185	3.15992438	130.673648	2.9185E-30	1.2831E-29
TSEN54	1.13032567	4.99947551	315.303519	1.5273E-70	2.0934E-69
TSHZ2	-2.47309712	2.93770597	663.844847	2.179E-146	1.207E-144
TSPAN7	-2.35827959	4.42299984	577.769277	1.146E-127	4.324E-126
TSTA3	1.59989901	6.84448218	395.546627	5.1332E-88	9.4654E-87
TTC28	-1.42055248	4.81660982	553.175337	2.566E-122	8.61E-121
TUBA1C	1.61706949	7.73214682	433.024715	3.5691E-96	7.5535E-95
TUSC5	-5.06178974	5.27637772	749.203048	5.98E-165	4.243E-163
TWIST2	-2.1950325	0.81587668	530.496654	2.202E-117	6.794E-116
TXNIP	-1.80408465	9.56679389	500.783969	6.418E-111	1.735E-109
TXN	1.05626716	7.33610537	180.109887	4.5859E-41	2.9112E-40
TYMP	1.48705977	6.92265423	194.299446	3.6636E-44	2.5495E-43
TYMS	2.43179229	5.19466204	345.07945	4.9967E-77	7.7709E-76
UBE2S	2.33137022	4.90578954	422.338296	7.5595E-94	1.545E-92
UTRN	-1.39618634	7.02919587	454.066962	9.398E-101	2.174E-99
VANGL1	1.13617952	5.77753628	281.920029	2.8655E-63	3.3301E-62
VCAN	1.65911114	8.81404171	156.56631	6.3667E-36	3.4294E-35
VPS72	1.00804224	6.06866219	227.230655	2.395E-51	2.0638E-50
VWF	-2.06188762	7.84737074	681.222903	3.622E-150	2.142E-148
WIF1	-1.92110932	3.4368224	42.7074004	6.3571E-11	1.2461E-10
WLS	-1.26966324	5.94727155	153.119944	3.6063E-35	1.8952E-34
WNK2	-1.14488555	5.3233405	101.143149	8.557E-24	2.9068E-23
YAP1	-1.02991095	7.05510885	302.737489	8.344E-68	1.0867E-66
YWHAZ	1.04701156	10.2764899	175.916564	3.7762E-40	2.3201E-39
ZCCHC24	-1.5013859	5.63220762	367.94613	5.2407E-82	8.7633E-81
ZNF462	-1.13748569	4.11651983	100.13827	1.4212E-23	4.7939E-23
ZWINT	2.84317787	5.46058141	593.794206	3.746E-131	1.546E-129

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