

Supplementary Material for

Physiological, Transcriptomic Investigation on the Tea Plant Growth and Yield Motivation by Chitosan Oligosaccharides

Lina Ou, Qiuqiu Zhang, Dezhong Ji, Yingying Li, Xia Zhou * and Linhong Jin *

State Key Laboratory Breeding Base of Green Pesticide and Agricultural Bioengineering, Key Laboratory of Green Pesticide and Agricultural Bioengineering, Ministry of Education, Guizhou University, Huaxi District, Guiyang 550025, China; gs.lnou17@gzu.edu.cn (L.O.); gs.zhangqq18@gzu.edu.cn (Q.Z.); gs.dzji19@gzu.edu.cn (D.J.); gs.yingyingli17@gzu.edu.cn (Y.L.)

*Correspondence: xzhou@gzu.edu.cn (X.Z.); lhjin@gzu.edu.cn (L.J.); Tel.: +86-851-362-0521; Fax: +86-851-362-2211

Table S1: Verification of differential gene by RT qPCR

Geneid	TreT3_1	TreT3_2	TreT3_3	ConT3_1	ConT3_2	ConT3_3	logFC	logCPM	F	PValue	FDR
LOC114319469	6.347473512	6.698486	6.632465	0.05301	0.041739	0.053439	6.910858	3.337454	1862.979	1.6295E-61	4.1121E-59
LOC114283520	84.28356421	88.45985	89.13702	1.537249	1.533146	1.588432	5.701988	5.526206	8747.96	9.7411E-91	4.4247E-87
LOC114268500	0.698866715	0.590192	0.666244	0.018683	0.02942	0	5.149437	0.137588	140.5157	5.1764E-20	5.55E-19
LOC114312375	4.192485334	4.942013	3.958675	0.119081	0.281281	0.360134	3.884127	0.239843	124.3269	1.3769E-18	1.3163E-17
LOC114289957	0.057451837	0.129381	0.189374	2.506492	2.261334	2.487296	-4.34678	0.438514	213.2136	2.3043E-25	3.8642E-24
LOC114279513	3.516031456	3.526023	3.62176	25.81574	26.85292	29.6364	-3.05605	4.124064	1843.675	2.5377E-61	6.2549E-59
LOC114292261	0.009523859	0.064343	0.104643	1.644704	1.690296	1.557661	-4.88418	1.442572	432.0309	1.1632E-33	3.5944E-32
LOC114292883	0	0	0	2.439063	2.800637	2.612478	-8.29363	-0.45556	155.7154	4.3019E-21	5.0528E-20

Table S2: The list of deferent expression genes

Geneid	TreT3_1	TreT3_2	TreT3_3	ConT3_1	ConT3_2	ConT3_3	logFC	logCPM	F	PValue	FDR
LOC114257310	0.24878	0.315142	0.341681	1.158859	1.424307	1.02577	-2.10054	0.584764	89.81518	3.82E-15	2.77E-14
LOC114300415	2.007475	1.611145	1.947584	5.085632	4.126523	4.520185	-1.39405	2.206354	129.4171	4.78E-19	4.75E-18
LOC114287675	4.092202	2.429573	3.270017	0.946768	0.95844	0.613562	1.869976	-0.09817	36.63448	3.3E-08	1.27E-07
LOC114306306	3.496026	3.530167	3.667755	2.009048	1.38816	1.301983	1.108709	1.806289	59.34565	1.74E-11	9.16E-11
LOC114277428	1.169134	0.849318	1.201701	0.377065	0.404848	0.44059	1.281364	0.356607	28.3087	7.63E-07	2.53E-06
LOC114278209	3.090145	2.820657	2.973374	0.099716	0.078513	0.226177	4.285157	1.407388	324.8753	1.81E-31	4.78E-30
LOC114292468	18.73468	16.95241	17.41008	6.606101	5.847562	6.949111	1.348334	4.000767	407.1715	5.51E-35	1.91E-33
LOC114309044	0.158841	0.156498	0.123622	0.384993	0.274712	0.309274	-1.21959	0.157731	25.17664	2.65E-06	8.25E-06
LOC114309764	0.02662	0	0	1.693644	1.524021	1.170755	-6.81725	-0.24034	167.7087	3.43E-22	4.41E-21
LOC114314266	1.15506	1.013699	0.970498	0.463168	0.461931	0.490262	1.040986	0.52576	22.56841	7.72E-06	2.27E-05
LOC114319385	0	0.082656	0.040328	1.734726	1.996264	1.311574	-5.31738	-0.45586	124.527	1.32E-18	1.27E-17
LOC114320895	0.918157	1.049389	1.016402	1.832185	1.818072	1.92608	-1.0115	2.661373	98.95577	4.06E-16	3.17E-15
LOC114323050	2.181502	2.199932	2.18619	0.958712	0.943572	0.741327	1.216347	1.974323	80.7681	3.96E-14	2.63E-13
LOC114258076	2.976147	3.057911	3.167829	1.589218	1.464284	1.175995	1.028227	1.886562	55.82037	5.18E-11	2.6E-10
LOC114261916	1.006184	0.879022	0.857744	0.031536	0.12415	0.214588	2.67202	0.023388	67.35396	1.62E-12	9.31E-12
LOC114262111	2.135962	1.794566	1.696968	0.537618	0.493853	0.406477	1.87752	1.173531	97.88285	5.25E-16	4.07E-15
LOC114266098	0.685273	0.667343	0.763113	1.195202	1.53751	1.285483	-1.03906	1.765837	56.55674	4.12E-11	2.09E-10
LOC114266975	0.733844	0.464798	0.743313	3.41837	3.512092	3.325214	-2.49544	2.446493	396.9215	1.4E-34	4.67E-33
LOC114268260	3.212429	2.802047	3.52963	0	0	0	8.767869	0.24181	183.1415	3.96E-23	5.56E-22
LOC114270088	2.728181	2.591542	2.837203	0.938806	1.028431	1.002982	1.345407	2.331545	124.5685	1.31E-18	1.26E-17
LOC114273442	1.975966	2.396083	1.670059	0	0	0	8.357781	-0.12084	133.3508	2.97E-19	3.01E-18
LOC114273986	6.084647	5.406467	5.070941	10.72221	10.24925	10.09786	-1.00635	3.550394	194.4728	4.04E-24	6.1E-23
LOC114281964	0.838528	0.662935	0.980134	2.594544	2.400356	2.917963	-1.77564	1.578315	134.8738	1.58E-19	1.64E-18
LOC114282374	2.517981	2.649931	1.989067	4.098575	4.593289	5.315474	-1.08343	2.715532	106.4079	2.71E-16	2.14E-15

LOC114283267	96.78724	95.78301	94.85063	196.6775	184.1622	187.372	-1.08837	8.37126	1677.172	1.34E-22	1.78E-21
LOC114286337	5.439682	5.28783	6.105801	0.213418	0.280064	0.107573	4.677311	1.228815	307.5925	1.22E-30	3.04E-29
LOC114289920	3.280251	3.005315	3.201201	7.036976	7.377851	6.524545	-1.24425	2.930263	179.8111	4.36E-23	6.08E-22
LOC114290741	1.467025	1.116126	1.154456	0.036038	0	0.027247	5.661771	0.118415	145.1848	2.1E-20	2.32E-19
LOC114295084	1.113871	1.077151	1.043878	0.273946	0.168806	0.279165	2.065757	1.63974	157.7036	2.03E-21	2.45E-20
LOC114293278	1.211865	1.443282	1.10107	2.584235	2.835293	2.594472	-1.20169	1.377932	58.43031	2.31E-11	1.2E-10
LOC114301067	2.521544	2.229165	2.28969	0.037882	0	0.028641	6.497164	0.872768	280.3316	2.94E-29	6.6E-28
LOC114301520	4.631334	4.051038	4.651847	1.083984	0.910392	1.038118	2.035749	2.069968	208.5315	4.63E-25	7.55E-24
LOC114293599	20.58986	24.78462	24.49703	8.0468	8.718964	7.758422	1.400265	3.539176	307.5915	1.01E-28	2.17E-27
LOC114303891	21.59097	19.13201	20.00975	44.36791	42.32364	46.1892	-1.23231	3.394524	268.9813	1.19E-28	2.53E-27
LOC114305460	0.185294	0.226028	0.14421	0.561387	0.475168	0.498726	-1.55843	0.489748	50.49549	2.83E-10	1.33E-09
LOC114305737	1.376982	0.937499	1.266654	0.349271	0.22917	0.308085	1.917502	-0.31762	32.94824	1.29E-07	4.65E-07
LOC114305646	0.779192	0.845464	0.560377	0	0	0.038943	5.367518	-0.13728	110.4208	3.26E-17	2.78E-16
LOC114306142	0.327835	0.256348	0.310177	0.595945	0.79508	0.56322	-1.23001	0.702755	37.48241	2.43E-08	9.5E-08
LOC114306284	0.381876	0.566807	0.400511	1.199042	1.068307	1.240555	-1.48603	0.538934	47.97821	6.46E-10	2.95E-09
LOC114306296	1.1221	0.941869	1.34498	0.296695	0.233608	0.336483	1.859145	0.208149	47.16056	8.48E-10	3.82E-09
LOC114306415	5.816744	5.65827	5.521305	1.063637	0.911367	0.946098	2.442206	2.545933	380.5509	6.46E-34	2.04E-32
LOC114306460	1.005355	0.887265	0.985207	2.420277	2.877913	2.726175	-1.58712	1.05009	79.45034	5.63E-14	3.68E-13
LOC114306747	2.138565	2.127776	1.701529	4.658333	5.211463	4.991646	-1.42388	3.529075	349.0297	6.22E-31	1.59E-29
LOC114307107	3.552322	3.396472	3.886261	0.723684	0.504058	0.883867	2.247884	2.106618	237.9115	6.86E-27	1.28E-25
LOC114307736	8.703405	8.644353	8.435107	3.209024	2.996758	3.554733	1.291634	2.141765	102.2784	1.85E-16	1.48E-15
LOC114307937	190.6734	198.6623	185.6141	47.52369	45.64079	51.8166	1.882334	6.687535	2702.281	2.72E-55	4.27E-53
LOC114307947	6.564696	6.93671	7.289476	2.736331	2.134546	2.145482	1.476955	3.32014	305.1761	1.6E-30	3.94E-29
LOC114308313	0.827554	0.931824	0.938134	0.047757	0.037602	0.018054	4.568719	0.249834	145.0446	2.16E-20	2.38E-19
LOC114308455	5.564278	5.206833	5.415793	1.708904	1.781923	2.095217	1.418487	2.127491	119.3055	4.01E-18	3.7E-17
LOC114307218	0.366142	0.340127	0.271549	0.732139	0.681273	0.578709	-1.11254	0.74997	32.38119	1.6E-07	5.7E-07

LOC114309119	3.885135	4.289295	4.601932	0.895729	0.732393	1.015851	2.159927	2.053295	220.7682	7.64E-26	1.32E-24
LOC114309291	1.26752	1.050222	1.182461	0.499952	0.3423	0.624519	1.147044	1.121118	39.45154	1.2E-08	4.83E-08
LOC114310298	0.338579	0.508318	0.578683	0.854827	0.807674	0.982389	-1.01062	0.192669	17.78001	5.94E-05	0.000155
LOC114310308	3.273234	3.333757	2.891609	8.70098	7.227539	8.658363	-1.47191	3.402894	351.2322	2.18E-32	6.16E-31
LOC114310481	1.982238	1.899154	1.967812	0.284475	0.124437	0.215083	3.145951	0.98264	177.0248	6.94E-23	9.5E-22
LOC114310530	1.866065	2.568115	2.581888	0.690998	0.445147	0.759917	1.771027	0.479636	52.13269	1.67E-10	8.03E-10
LOC114310896	0.484645	0.353106	0.501176	0.958732	1.040502	0.901188	-1.21105	0.629723	35.29686	5.39E-08	2.03E-07
LOC114310956	0.595342	0.54144	0.628969	0.374617	0.311347	0.157354	1.000147	0.299652	16.59674	0.0001	0.000252
LOC114310808	1.275242	1.568875	1.219529	3.5631	3.920892	4.0247	-1.61513	1.758058	129.4742	4.72E-19	4.69E-18
LOC114310978	3.028962	2.672226	2.95064	7.398247	7.165954	8.540597	-1.52345	3.961676	525.3632	7.13E-39	3.32E-37
LOC114311174	27.57471	28.02303	26.85781	2.208762	2.230147	2.377263	3.486906	4.936932	3455.661	4.63E-73	2.63E-70
LOC114311389	14.04247	13.57954	11.61717	6.426723	5.580392	5.721873	1.050435	3.11662	136.3328	1.39E-19	1.45E-18
LOC114311698	1.037808	1.252038	1.384629	0.404261	0.212201	0.356591	1.811141	-0.46033	26.79977	1.38E-06	4.45E-06
LOC114311707	1.702197	1.813066	1.769179	4.432362	5.465304	5.880363	-1.6969	1.238488	100.5766	2.76E-16	2.18E-15
LOC114311586	33.67629	35.88051	36.00676	13.95372	15.97296	15.66267	1.100881	5.25473	596.001	1.33E-38	6.02E-37
LOC114311676	0.167613	0.142699	0.170688	0.022294	0.017554	0.005619	3.311156	-0.40216	63.86808	4.49E-12	2.48E-11
LOC114311828	4.004545	3.709621	3.900674	0.25814	0.0813	0.195172	4.350165	1.173586	279.7372	3.16E-29	7.07E-28
LOC114312257	1.777362	1.519591	1.756294	0.296934	0.411926	0.400898	2.060499	2.990309	396.2771	1.52E-34	5.05E-33
LOC114313043	4.205089	4.02972	4.502341	1.301124	0.960432	1.131301	1.816191	3.173529	387.6358	3.31E-34	1.07E-32
LOC114312380	1.647925	1.3254	2.155529	3.994178	2.695613	3.882699	-1.13154	0.077551	20.19615	2.09E-05	5.8E-05
LOC114313073	0.781239	0.858728	0.776629	0.135253	0.186363	0.204521	2.047528	-0.15204	42.30035	4.43E-09	1.86E-08
LOC114313174	165.8568	166.4411	167.5655	3.092716	2.391225	2.991351	5.781608	7.331231	8062.892	6.47E-18	5.86E-17
LOC114314453	32.47648	30.59584	32.21505	9.819689	8.989258	9.34755	1.656747	4.235741	676.8574	2.13E-43	1.36E-41
LOC114314280	1.493605	1.807931	2.133413	0.678777	0.801669	0.667164	1.21638	0.155545	22.0233	9.69E-06	2.81E-05
LOC114314124	0.947594	0.640193	0.832929	1.119662	1.695354	1.823322	-1.05807	-0.30037	13.59154	0.00039	0.000899
LOC114314212	1.642724	1.703031	1.669758	0	0	0	10.48013	1.832058	619.5576	2.31E-41	1.29E-39

LOC114314602	11.47546	11.40827	11.34118	5.296148	4.544459	4.674357	1.138803	4.352385	353.5426	9.1E-33	2.64E-31
LOC114314639	0.330543	0.263917	0.402801	0.109249	0.094621	0.06608	1.798373	0.212798	43.98329	2.48E-09	1.07E-08
LOC114314670	0.66629	0.847046	0.755696	0.273496	0.307631	0.206782	1.411753	-0.30562	20.17496	2.11E-05	5.85E-05
LOC114315067	0.449951	0.298026	0.523461	0.192454	0.189415	0.163697	1.119534	-0.35598	12.63432	0.000609	0.001357
LOC114314965	0.96685	1.209634	0.944283	0.390569	0.384401	0.258385	1.49267	-0.19659	24.01476	4.25E-06	1.29E-05
LOC114315181	1.150682	0.874574	0.995638	1.856414	2.038115	2.095484	-1.09198	1.685564	59.99041	1.43E-11	7.59E-11
LOC114315346	1.746869	2.021609	1.635008	0.617457	0.32411	0.533532	1.785293	1.155861	86.07072	9.91E-15	6.9E-14
LOC114315423	4.382503	3.743557	3.354063	0.439537	0.346077	0.24924	3.388273	1.12872	209.4378	4.04E-25	6.63E-24
LOC114315450	0.433835	0.346019	0.407158	0.03286	0.051745	0.037266	3.122635	-0.25116	68.70959	1.1E-12	6.4E-12
LOC114315971	16.71467	18.37888	18.40822	5.991267	6.233605	5.931902	1.450022	3.19539	276.4448	4.71E-29	1.04E-27
LOC114315997	0.629735	0.588386	0.691916	0.073069	0.076709	0.092075	2.832501	-0.12412	68.08417	1.31E-12	7.6E-12
LOC114316460	4.095199	3.565349	3.954516	1.573289	1.555997	1.755261	1.140733	2.97636	148.0073	1.23E-20	1.38E-19
LOC114316503	9.792525	9.440113	8.532059	3.185453	4.376913	4.580729	1.066722	2.557676	88.73922	5.29E-15	3.79E-14
LOC114316566	0.026479	0.119263	0.058188	1.588445	2.046581	1.419335	-4.69012	0.029485	163.9085	6.68E-22	8.4E-21
LOC114316694	0.339341	0.267468	0.298279	1.973957	1.505658	1.305893	-2.45387	-0.19846	65.49912	2.78E-12	1.57E-11
LOC114316867	0.667067	0.361114	0.803409	1.329207	1.432152	1.110759	-1.17131	1.195115	41.8581	1.74E-08	6.92E-08
LOC114316981	0.366898	0.29338	0.33886	0.019332	0.030443	0.021925	3.637648	0.175479	113.2011	1.52E-17	1.34E-16
LOC114317250	0.934687	0.594866	0.692095	1.772967	1.366892	1.340487	-1.08251	0.770961	30.35792	3.45E-07	1.18E-06
LOC114317334	0.349121	0.417679	0.407568	0.991624	0.812002	1.10961	-1.41419	-0.01444	29.60791	4.6E-07	1.56E-06
LOC114317452	1.814056	1.730556	1.854764	0.687006	0.865481	0.865708	1.033878	0.723983	25.87428	2E-06	6.33E-06
LOC114317897	1.71418	2.031751	2.577341	1.066025	0.58109	0.123998	1.814915	-0.00847	31.10521	8.5E-07	2.8E-06
LOC114318309	1.705228	1.551848	1.360289	0.339704	0.367774	0.32105	2.053735	0.400817	64.92092	3.29E-12	1.84E-11
LOC114318130	1.053425	0.874008	1.248819	0.503931	0.595168	0.342906	1.038911	-0.10861	13.40126	0.000426	0.000976
LOC114318620	13.83873	13.4551	15.20519	0.257574	0	0	7.383932	2.199472	692.1307	3.94E-41	2.13E-39
LOC114318452	3.814366	2.791729	1.990726	6.933836	6.960823	7.47051	-1.40371	0.705663	47.45419	7.69E-10	3.48E-09
LOC114318850	0.816083	0.814881	0.862828	0.223924	0.17631	0.169302	2.031962	0.14071	52.73949	1.37E-10	6.66E-10

LOC114319603	335.7335	338.6404	338.6764	699.591	671.9315	696.7464	-1.13483	10.51836	4356.278	1.59E-19	1.65E-18
LOC114319860	15.92401	14.88911	15.53513	6.617679	6.017331	5.874991	1.226025	3.78617	322.2868	2.4E-31	6.29E-30
LOC114320154	1.711382	1.986305	1.706795	4.235728	4.277181	4.523314	-1.37989	2.839184	202.9143	1.09E-24	1.71E-23
LOC114320773	2.142943	2.621476	1.976652	5.482539	5.869289	5.454187	-1.42634	2.187597	132.8098	2.39E-19	2.44E-18
LOC114320825	1.243604	1.615726	1.611651	0.115931	0.4564	0.350607	2.07974	-0.06321	43.97412	2.49E-09	1.07E-08
LOC114321705	9.69329	9.92598	8.528055	20.84474	22.29379	21.02148	-1.29444	4.744739	553.1201	4.36E-38	1.91E-36
LOC114321452	0.589345	0.51934	0.450462	0.116448	0.091688	0.088043	2.294595	-0.26363	45.45686	1.5E-09	6.6E-09
LOC114321809	1.296374	1.313743	1.408554	0.026184	0.020617	0.039594	5.314426	0.632995	217.7478	1.18E-25	2.03E-24
LOC114321857	1.904182	1.685249	1.790992	3.151681	3.361728	3.604886	-1.02	3.41336	186.7938	1.38E-23	2.01E-22
LOC114322046	0.596189	0.539965	0.612337	0	0	0	8.12514	-0.32774	116.0084	1.08E-17	9.61E-17
LOC114322443	10.81297	10.32721	10.73115	4.168086	4.223314	4.089884	1.246986	5.135559	789.2342	4.74E-46	3.66E-44
LOC114322850	0.102954	0.09419	0.07777	0.491276	0.534172	0.539471	-2.60213	0.559446	128.4144	5.88E-19	5.81E-18
LOC114322763	0.890076	0.826261	1.00036	0.296427	0.311196	0.466916	1.207887	1.529782	57.81936	2.79E-11	1.44E-10
LOC114323249	0.28959	0.253616	0.194446	0.877373	0.759895	0.796026	-1.80126	0.044899	47.95555	6.51E-10	2.97E-09
LOC114323277	23.83979	23.52471	24.11732	8.824882	8.62348	8.900273	1.334399	5.804855	1266.282	1.88E-54	2.77E-52
LOC114323223	1.741171	1.913122	1.573677	0.076576	0.060293	0.038598	4.780847	1.032427	269.3409	1.13E-28	2.42E-27
LOC114323507	22.96888	24.04946	23.61615	5.171284	5.12732	5.854433	2.018957	4.832356	1342.41	1.65E-55	2.67E-53
LOC114323827	0.39198	0.551711	0.592192	0.02969	0.046753	0.157132	2.481478	-0.6233	35.73283	4.59E-08	1.74E-07
LOC114323874	5.281127	4.786686	5.730736	2.080527	1.708343	1.887628	1.379608	2.727406	168.1776	3.16E-22	4.07E-21
LOC114323995	10.02603	10.66557	11.2899	2.064218	2.735254	3.34978	1.836845	2.865179	290.1559	4.92E-29	1.08E-27
LOC114324069	1.848417	1.306871	1.912855	0.039071	0.030763	0.059081	5.078108	0.417689	172.3276	1.54E-22	2.04E-21
LOC114256410	1.57094	1.375792	1.569143	0.605752	0.499661	0.610654	1.293365	1.044957	48.66768	5.15E-10	2.37E-09
LOC114256970	0.649779	0.58532	0.660394	0.088589	0.046501	0.044653	3.298392	-0.41247	64.05479	4.25E-12	2.35E-11
LOC114257187	2.664406	2.695535	2.541125	0.122929	0.09679	0.204475	4.071956	1.669256	379.108	7.41E-34	2.33E-32
LOC114257781	2.569732	1.888398	2.258777	0.024586	0.038716	0.037177	5.849603	1.39795	389.2254	2.85E-34	9.28E-33
LOC114257853	8.28172	8.426384	9.072064	1.451054	1.142511	1.234236	2.656039	2.580268	435.7272	4.53E-36	1.71E-34

LOC114258211	2.240321	2.036471	2.121791	0.816622	0.718134	0.649497	1.458528	2.888007	212.1384	2.7E-25	4.52E-24
LOC114258665	0.257405	0.386449	0.471368	0.904637	0.515789	0.919819	-1.17	0.083432	20.63894	1.77E-05	4.96E-05
LOC114258690	19.85265	20.52622	20.62389	8.649048	9.427134	8.6934	1.080337	4.551059	358.6708	5.44E-33	1.6E-31
LOC114258829	2.878162	2.586097	2.571412	0.792725	0.811415	0.799141	1.634339	1.88053	130.2308	4.05E-19	4.04E-18
LOC114259438	0.119842	0.089961	0.160936	0.580935	0.457408	0.475829	-2.09913	-0.41652	43.6804	2.75E-09	1.18E-08
LOC114259504	9.194013	10.79824	10.34352	3.998343	3.148161	3.567171	1.402976	2.245826	122.2743	2.12E-18	2E-17
LOC114259868	3.294943	3.301497	3.955208	1.187369	1.308853	1.077281	1.454351	2.305001	134.4905	1.71E-19	1.77E-18
LOC114259961	3.05368	2.88699	3.007024	0.680789	0.700962	0.791883	1.92235	1.027477	94.81606	1.11E-15	8.34E-15
LOC114260176	1.169888	1.137661	1.304881	0.483329	0.50741	0.389793	1.284436	0.59328	34.45335	7.35E-08	2.73E-07
LOC114260156	8.350672	7.428909	7.899809	3.18673	3.373755	3.581526	1.11284	3.835197	275.7412	5.14E-29	1.13E-27
LOC114260204	0.806247	0.378264	0.701304	0.061067	0.360617	0.138513	1.5832	-0.25672	19.18365	8.26E-05	0.00021
LOC114260224	2.037369	1.973504	1.82798	0.064691	0.012734	0.012228	5.997052	1.778008	510.6144	1.17E-38	5.36E-37
LOC114260074	1.128286	0.929596	0.876857	2.951471	3.387364	3.630944	-1.86974	1.270733	121.9897	2.26E-18	2.12E-17
LOC114260398	51.82681	48.47626	49.95462	10.57506	9.424662	10.89073	2.17776	5.996726	3114.159	4.12E-69	1.8E-66
LOC114261056	5.087911	4.575576	5.16979	9.514922	9.956751	10.28811	-1.11136	4.333976	354.3216	8.41E-33	2.44E-31
LOC114261097	1.518254	1.535698	1.328881	0.187113	0.736632	0.671984	1.276577	0.34612	25.87137	2.28E-06	7.16E-06
LOC114261735	0.447056	0.289178	0.39714	0.103745	0.136142	0.122015	1.530549	1.29972	72.56178	4.67E-13	2.82E-12
LOC114261784	4.775874	5.761739	4.122998	0	0	0	8.056106	-0.38523	108.0289	6.3E-17	5.24E-16
LOC114261817	0.31054	0.287227	0.329018	2.54028	2.365234	2.606567	-3.11575	1.96152	429.1346	7.96E-36	2.94E-34
LOC114262289	65.56247	65.57139	65.42525	24.76602	23.84107	25.6199	1.299672	6.35369	1435.559	1.8E-56	3.21E-54
LOC114262314	55.96432	55.08635	55.15972	17.59152	17.02605	17.18823	1.576938	6.176758	2011.932	6.15E-63	1.76E-60
LOC114262323	22.53815	21.98887	21.61223	3.379328	3.04088	3.650011	2.608673	4.408846	1523.176	8.21E-58	1.64E-55
LOC114262347	4.45617	4.650493	4.537922	1.629983	1.555629	2.502106	1.135735	1.867812	63.81863	4.56E-12	2.52E-11
LOC114263199	1.17743	1.10482	1.209841	0.217999	0.390103	0.194791	1.995249	1.056353	96.63156	7.11E-16	5.43E-15
LOC114263623	8.297991	8.045024	8.235913	2.005159	2.224666	2.756437	1.691737	2.667546	230.6274	1.88E-26	3.41E-25
LOC114263640	1.092153	1.360191	1.05454	3.669869	2.723739	3.57069	-1.60624	2.05657	145.5381	2.54E-20	2.79E-19

LOC114263782	0.900676	1.04723	0.968097	0.427113	0.420368	0.457481	1.045956	1.171695	36.12694	3.97E-08	1.52E-07
LOC114264024	2.306679	1.786592	2.065645	4.992975	5.248096	5.259397	-1.43385	3.052808	255.9581	6.21E-28	1.25E-26
LOC114264084	0.076352	0.200601	0.181764	0.670837	0.25499	0.542179	-1.76023	-0.32937	29.25347	1E-06	3.28E-06
LOC114264011	0.540242	0.337951	0.560609	1.418536	1.546487	1.650018	-1.77739	0.084026	48.06449	6.28E-10	2.87E-09
LOC114263898	2.508775	2.570954	3.128158	0.204967	0.121038	0.232453	3.744742	0.744083	177.2933	6.64E-23	9.1E-22
LOC114264677	0.777304	0.510558	0.825588	1.413	1.353601	1.584684	-1.14261	1.360317	50.76999	2.59E-10	1.23E-09
LOC114264264	79.5944	80.61909	78.32838	450.6219	430.5026	450.6477	-2.58592	8.033583	7709.644	2.55E-88	9.02E-85
LOC114264741	0.980077	0.753227	0.76918	1.951282	1.759037	1.796024	-1.22749	1.402679	62.0436	7.72E-12	4.18E-11
LOC114265161	5.895132	6.29604	5.698849	10.30236	11.95032	11.371	-1.02317	3.375222	179.3918	4.67E-23	6.49E-22
LOC114265262	843.927	802.8499	826.683	2196.369	2132.916	2192.764	-1.50422	10.50794	7518.724	1.58E-32	4.48E-31
LOC114265293	7.265387	6.866515	6.922774	0.909346	0.90351	1.047664	2.766221	3.32193	870.7511	9.06E-48	7.85E-46
LOC114265955	10.74187	10.92736	10.87533	0.990721	1.08202	1.304804	3.144106	3.345249	1036.061	7.58E-51	8.57E-49
LOC114266235	4.759028	4.362798	5.228942	0.535907	0.602793	0.463066	3.053207	1.953965	338.7451	4.16E-32	1.15E-30
LOC114266451	0.718686	0.867042	1.240879	1.866348	1.983824	1.552198	-1.03718	-0.21803	13.7699	0.000359	0.000832
LOC114266582	1.789176	2.03228	1.862377	3.65182	3.504297	4.119975	-1.09855	2.464405	98.13533	4.94E-16	3.84E-15
LOC114266761	13.14821	12.42152	12.80823	25.18998	27.48966	26.62627	-1.15356	5.844591	939.0425	4.22E-49	4.11E-47
LOC114266792	2.008899	1.319509	2.023323	0.304318	0	0.076695	3.785948	-0.6801	55.05842	6.72E-11	3.34E-10
LOC114266946	2.819754	2.938093	3.098181	0.076505	0.020079	0	6.490018	1.7181	498.905	2.83E-38	1.26E-36
LOC114267560	2.127443	2.359743	2.128181	0.981258	1.045296	0.916464	1.058482	0.681	26.05506	1.86E-06	5.91E-06
LOC114267501	1.168752	0.915487	0.893327	2.863569	2.181946	2.933304	-1.50609	0.175136	38.02059	2E-08	7.89E-08
LOC114267721	0.884748	1.025525	0.686195	0.378427	0.260716	0.286117	1.396143	-0.37056	18.57226	4.2E-05	0.000112
LOC114267782	1.299978	1.258844	1.228372	5.151618	4.949322	5.109932	-2.10564	1.903237	231.0828	1.76E-26	3.21E-25
LOC114267806	40.16555	39.62028	40.93541	214.8043	217.5173	215.8935	-2.53032	7.730623	6860.591	4.34E-86	8.12E-83
LOC114267990	50.36947	50.86778	50.92852	119.6194	120.7635	114.8185	-1.32836	5.722783	1198.819	1.83E-53	2.55E-51
LOC114268002	5.235055	5.159825	5.066101	2.243703	2.132123	1.618401	1.27528	2.928585	166.0845	4.55E-22	5.79E-21
LOC114268329	6.658561	6.664467	6.591026	2.071869	2.346811	2.610795	1.38293	2.765015	178.081	5.82E-23	8.02E-22

LOC114268545	18.96332	16.83012	18.04744	7.846086	8.208392	8.349005	1.03373	4.288108	287.2157	1.29E-29	2.96E-28
LOC114268390	0	0	0	1.849778	2.020242	2.120399	-8.6717	-0.09319	205.4917	1.22E-24	1.92E-23
LOC114268583	0.431248	0.31563	0.367219	0.842728	0.663536	0.785338	-1.12527	0.712101	32.47607	1.54E-07	5.51E-07
LOC114268699	1.006483	1.511063	2.010663	2.439475	4.190751	4.066093	-1.38603	1.366284	41.10037	3.57E-06	1.09E-05
LOC114269870	1.143276	1.103422	1.585161	0.593792	0.818181	0.336711	1.02781	0.163595	15.35588	0.000177	0.00043
LOC114269900	1.451477	1.63436	1.594799	0.483111	0.672989	0.590044	1.291811	0.744449	38.84422	1.49E-08	5.96E-08
LOC114269966	4.121519	4.333482	3.868705	2.133536	1.679875	1.275476	1.197771	1.713074	63.50921	4.99E-12	2.75E-11
LOC114270009	1.049983	1.216714	1.164861	0.537396	0.627396	0.406309	1.022484	1.34981	37.74717	2.21E-08	8.67E-08
LOC114270085	2.868567	2.285378	2.631468	1.205248	0.774671	1.153012	1.222486	2.041635	80.1265	5.39E-14	3.54E-13
LOC114269658	3.149545	3.186951	3.554065	0.077369	0.060918	0.058496	5.49796	1.313236	368.8114	2E-33	6.05E-32
LOC114269481	2.204889	1.576318	1.615069	0.827067	0.75139	0.865828	1.041995	0.285589	18.41281	4.51E-05	0.000119
LOC114270274	0.547665	0.482611	0.627905	0.108213	0.136325	0.196359	1.759832	-0.01561	36.58072	3.37E-08	1.3E-07
LOC114270656	1.169692	1.442506	1.407588	0.50626	0.438473	0.688982	1.169082	0.155519	20.62067	1.75E-05	4.89E-05
LOC114270694	1.50472	1.254231	1.460056	0.6039	0.615341	0.483449	1.211737	0.691459	33.31322	1.12E-07	4.09E-07
LOC114271485	0.305665	0.172089	0.195911	7.547506	8.822835	8.822228	-5.29425	2.384788	922.481	8.72E-49	8.27E-47
LOC114271553	0.122276	0.094657	0.125953	0.388984	0.382841	0.367624	-1.81961	0.024532	48.5444	5.36E-10	2.46E-09
LOC114272077	1.883343	2.38107	2.541255	0.060063	0.283749	0.045412	3.922846	0.275936	121.6596	3.26E-18	3.03E-17
LOC114272084	7.466366	5.928092	7.509457	0.034801	0.137007	0.052624	6.33488	2.474952	808.7899	4.01E-45	2.84E-43
LOC114271897	0.831122	0.76787	0.889773	0.348653	0.30502	0.380764	1.153234	-0.11453	16.69855	9.56E-05	0.000241
LOC114272548	7.864295	10.08263	9.154146	0.42463	0.222893	0.107017	5.07705	0.933401	253.3632	8.71E-28	1.73E-26
LOC114272437	0	0.029921	0	1.642353	1.977734	2.045208	-7.219	0.136887	229.9398	2.07E-26	3.74E-25
LOC114272861	13.14981	9.723172	13.34593	5.406083	5.436099	4.776813	1.11468	2.866087	112.3424	7.34E-16	5.6E-15
LOC114272629	3.186218	3.587675	3.500831	16.02036	15.13667	17.60972	-2.35583	3.158869	668.4223	3.49E-43	2.21E-41
LOC114272873	5.914703	5.990008	5.902694	2.449392	2.629866	2.068368	1.214817	2.846071	147.2725	1.41E-20	1.58E-19
LOC114272900	1.812718	2.014608	2.017575	6.034062	5.829263	5.144577	-1.64182	2.311288	188.2462	1.09E-23	1.6E-22
LOC114273286	2.905562	1.741365	2.986497	1.192663	1.073214	0.708507	1.282478	0.299302	25.50638	2.4E-06	7.51E-06

LOC114273432	8.745639	9.360066	10.46546	3.462933	2.850533	2.975249	1.521395	1.192382	71.04771	5.65E-13	3.38E-12
LOC114273620	1.418288	1.50441	1.603502	3.960705	3.942288	3.587833	-1.44668	1.995364	124.4659	1.34E-18	1.28E-17
LOC114273651	3.74508	3.308685	4.241487	7.122096	8.658948	7.998014	-1.18598	1.644923	68.04203	1.33E-12	7.69E-12
LOC114273877	1.489155	1.23293	1.491826	0	0	0	7.641525	-0.74399	81.20868	4.21E-14	2.79E-13
LOC114274357	0.310876	0.45868	0.49469	0	0.04603	0.029467	3.764048	-0.43476	67.06747	1.76E-12	1.01E-11
LOC114274418	0.619889	0.697994	0.681098	0.271278	0.147874	0.23666	1.515285	0.33019	37.02465	2.87E-08	1.11E-07
LOC114274460	1.519075	1.501029	1.515789	0.140888	0.221861	0.213042	2.827509	0.821229	140.7586	4.94E-20	5.3E-19
LOC114274480	6.316548	6.450441	6.835099	2.460505	2.837487	2.931403	1.134215	3.352324	203.7871	9.51E-25	1.51E-23
LOC114274562	1.684062	1.643417	1.751664	0.653083	0.674908	0.586359	1.301332	0.729814	39.44663	1.2E-08	4.84E-08
LOC114275510	0.533765	0.532721	0.519826	0.330781	0.069452	0.266766	1.185342	0.030655	17.49802	7.32E-05	0.000188
LOC114275786	5.618675	5.49813	5.567149	0.334379	0.047869	0.183864	4.841495	2.38146	639.6943	1.1E-39	5.44E-38
LOC114276421	5.301061	5.87113	5.991593	12.08497	10.2616	12.66053	-1.13425	3.612087	244.4458	7.7E-27	1.44E-25
LOC114276785	1.69611	1.934619	1.815182	0.64067	0.472915	0.454117	1.707639	0.761637	63.05954	5.7E-12	3.13E-11
LOC114276789	4.240707	5.463733	5.913907	0.963606	1.342335	1.905447	1.736553	1.34245	89.75698	1.11E-14	7.66E-14
LOC114276593	1.25655	0.987741	1.250376	0.086196	0	0.06517	4.400944	-0.1695	97.79938	5.36E-16	4.15E-15
LOC114276796	0.99728	0.858715	0.859414	0.142186	0.111953	0.120941	2.754712	0.762803	129.7863	4.43E-19	4.41E-18
LOC114276743	3.679303	3.065736	3.638343	0	0	0	9.188682	0.622714	248.3434	3.1E-27	5.92E-26
LOC114277182	0.388345	0.567277	0.47282	0.820419	1.066603	1.13961	-1.21405	1.134858	48.5764	5.3E-10	2.44E-09
LOC114277200	0.916983	0.921327	0.852524	0.307738	0.383645	0.407174	1.164283	0.531441	27.78864	9.36E-07	3.07E-06
LOC114277326	2.636391	3.228972	3.099991	1.34526	1.125413	1.239603	1.16918	1.502676	54.87932	6.96E-11	3.46E-10
LOC114277378	1.164669	1.103253	1.503104	0.386466	0.72765	0.495461	1.092929	1.589181	45.03653	5.5E-09	2.29E-08
LOC114277756	1.642916	1.89504	2.641669	0.801264	1.089716	0.826106	1.057272	0.271796	18.06431	5.24E-05	0.000138
LOC114278790	4.77845	4.392264	3.893066	1.89091	1.861049	1.474337	1.227857	1.540437	61.13282	1.02E-11	5.44E-11
LOC114278899	0.541461	0.556668	0.482838	1.968559	1.988015	2.049202	-2.02963	2.307617	278.2721	3.77E-29	8.4E-28
LOC114279198	0	0.014644	0	0.260056	0.223374	0.169809	-5.34413	-0.8881	88.79707	4.94E-15	3.55E-14
LOC114279317	8.012622	8.294598	8.117484	2.231813	2.373835	2.960362	1.569689	2.901525	242.6138	3.62E-27	6.88E-26

LOC114279884	0.650183	0.337895	0.522049	2.227459	1.825411	1.855962	-2.03643	0.610198	86.39515	9.12E-15	6.37E-14
LOC114279622	2.542067	2.508587	2.667543	0.467295	0.694983	0.549589	2.040499	0.81749	88.29184	5.62E-15	4.01E-14
LOC114279943	0.710559	0.947042	0.892252	0.316327	0.383976	0.378678	1.113673	1.378567	45.09464	1.7E-09	7.42E-09
LOC114280494	7.378789	6.5911	6.159799	1.273891	1.239023	1.359741	2.267487	1.591209	179.4683	4.61E-23	6.41E-22
LOC114280606	14.54908	14.05068	13.29147	6.141397	6.083409	6.515633	1.052761	2.495877	87.71482	6.51E-15	4.62E-14
LOC114281769	1.26023	1.923555	1.846222	0	0	0	8.524854	0.031051	147.2471	3.55E-20	3.86E-19
LOC114281959	567.7411	569.2019	557.7558	245.6881	251.428	249.069	1.078017	8.850784	1976.705	9.51E-21	1.08E-19
LOC114282084	1.206719	1.242297	1.250108	0.376046	0.468802	0.165851	1.779363	0.557942	54.89445	6.93E-11	3.44E-10
LOC114282920	44.02518	40.78097	44.48473	84.68172	78.54185	83.33336	-1.03657	7.192774	1079.343	9.78E-28	1.94E-26
LOC114283023	0.979951	0.90016	0.906706	0.023439	0	0.017722	5.853287	0.291053	172.139	1.59E-22	2.11E-21
LOC114283150	2.063597	2.575563	2.349313	0.54235	0.213514	0.273369	2.706051	0.784951	121.2422	2.65E-18	2.48E-17
LOC114283439	0.469242	0.57431	0.381078	1.075519	1.168038	0.981409	-1.27972	0.258348	29.71335	4.42E-07	1.5E-06
LOC114283520	84.28356	88.45985	89.13702	1.537249	1.533146	1.588432	5.701988	5.526206	8747.96	9.74E-91	4.42E-87
LOC114283669	0.026317	0.029633	0.014458	3.27707	3.785629	4.195802	-7.31011	2.145314	920.6851	9.43E-49	8.88E-47
LOC114283556	2.436587	2.118469	2.202743	0.897069	1.236064	0.763028	1.112976	0.736199	28.95426	5.93E-07	1.99E-06
LOC114283698	1.144701	1.323767	1.189746	0.281198	0.309968	0.212605	2.067667	-0.27411	38.79288	1.52E-08	6.06E-08
LOC114284296	1.47217	1.010137	0.935137	0.418147	0.395082	0.442608	1.342213	0.162652	25.89014	1.99E-06	6.29E-06
LOC114284203	1.416532	1.044007	0.877245	2.294092	2.617279	1.946881	-1.1279	1.033206	38.71216	1.61E-08	6.41E-08
LOC114284473	1.976842	1.92512	1.995928	0	0	0	7.835809	-0.5772	94.11654	1.63E-15	1.21E-14
LOC114284513	2.370797	3.46787	2.556203	1.047213	1.205098	0.730861	1.387628	1.414403	61.03884	5.61E-11	2.81E-10
LOC114284662	1.589865	1.290598	1.787475	4.570376	4.074841	5.234101	-1.67452	1.364506	105.7178	8.29E-17	6.83E-16
LOC114284838	70.84193	63.75648	65.90762	18.57016	16.42166	18.13249	1.813147	5.607673	1815.26	2.49E-59	5.51E-57
LOC114284956	1.067506	1.104788	1.026299	0.271104	0.258397	0.194186	2.049154	1.379242	132.3247	2.64E-19	2.68E-18
LOC114285303	11.20475	11.98197	12.74821	21.45294	22.63247	24.01094	-1.03327	3.997407	262.9901	2.52E-28	5.26E-27
LOC114285773	4.176703	3.373326	3.988448	1.272042	1.62754	1.412574	1.3045	1.893881	85.98476	1.01E-14	7.05E-14
LOC114285839	1.840213	1.295047	1.642809	0.627221	0.246926	0.671816	1.538338	0.2664	34.33147	7.98E-08	2.95E-07

LOC114285847	1.109208	1.092845	1.574197	2.436414	2.05065	3.430115	-1.18514	0.407112	27.52672	1.04E-06	3.39E-06
LOC114285623	31.75876	31.11096	27.99297	13.73425	13.83172	11.83299	1.105719	3.889996	258.233	2.55E-27	4.9E-26
LOC114286258	5.398422	5.424677	5.206352	1.679549	1.246854	1.034026	1.940436	2.926407	330.93	5.2E-31	1.33E-29
LOC114286105	6.223603	6.255517	5.795027	2.748453	3.01959	2.657935	1.009132	1.958652	57.50668	3.07E-11	1.57E-10
LOC114286517	5.304736	4.95332	4.392725	1.175983	1.296302	1.120298	1.921969	2.826575	314.1612	5.85E-31	1.5E-29
LOC114287197	0.368681	0.258305	0.369077	0.744662	0.773944	0.799483	-1.31844	1.062043	56.04894	4.82E-11	2.43E-10
LOC114287431	8.90702	8.968673	8.924066	0.435575	0.544001	0.48831	4.070298	4.074639	2217.92	9.51E-65	3.25E-62
LOC114287545	2.173371	2.116506	2.151327	1.067784	0.924811	0.968783	1.022039	1.319271	38.89859	1.46E-08	5.85E-08
LOC114288459	6.669078	7.180586	7.096602	14.24634	12.83864	13.50016	-1.05815	4.743992	399.825	1.07E-34	3.62E-33
LOC114289355	2.722848	2.914784	2.991707	0.487994	0.617512	0.553436	2.257439	2.440797	309.5869	9.74E-31	2.45E-29
LOC114289539	10.8697	10.92976	11.43694	4.311855	4.317925	4.494456	1.233038	4.325751	417.9455	2.11E-35	7.49E-34
LOC114289568	0.150406	0.11045	0.114962	0.665696	0.645824	0.458374	-2.30677	0.750241	115.2902	9.61E-18	8.58E-17
LOC114289913	0.060027	0	0.032977	1.855008	1.116907	1.196263	-5.30478	-0.46205	122.4034	2.07E-18	1.95E-17
LOC114290434	0.988467	0.813994	1.00502	3.566894	3.568635	3.832324	-2.06946	3.257982	593.518	3.63E-41	1.99E-39
LOC114290501	39.27603	40.50855	38.60455	8.645125	7.129621	8.170397	2.205782	5.097284	1923.249	1.3E-60	3.14E-58
LOC114290523	0.861459	0.811634	0.830621	2.396906	2.289856	2.730424	-1.6717	1.533587	121.5705	2.47E-18	2.31E-17
LOC114290512	3.68862	4.0435	4.052841	0.922416	0.642478	0.751058	2.255729	1.8877	214.466	1.92E-25	3.23E-24
LOC114291056	1.409304	2.192771	2.055231	0.512373	0.623475	0.493041	1.668886	0.610416	51.25408	2.21E-10	1.05E-09
LOC114291226	8.161153	8.335294	8.535894	2.900534	2.470979	2.264908	1.620207	2.655572	213.1432	2.33E-25	3.9E-24
LOC114291116	9.549693	9.972928	10.60138	20.86754	20.1839	22.64589	-1.18929	3.273074	224.6464	4.38E-26	7.71E-25
LOC114291943	8.137902	8.063668	8.123948	3.761713	3.727267	3.323463	1.068646	2.929042	127.3898	7.26E-19	7.12E-18
LOC114292016	112.5579	113.6097	108.6162	37.17549	38.70038	38.17063	1.447971	7.119351	2036.602	1.74E-52	2.23E-50
LOC114292275	1.054469	0.924747	1.002625	0.239605	0.217681	0.34838	1.762381	0.9823	77.75246	8.88E-14	5.7E-13
LOC114291908	0.500463	0.555583	0.658306	5.38163	5.014155	4.737347	-3.24504	3.620982	1454.218	5.76E-57	1.06E-54
LOC114292361	1.481975	1.466434	1.54607	0.544235	0.621343	0.740664	1.111489	1.162263	40.21617	9.17E-09	3.74E-08
LOC114292460	1.195053	1.158261	0.947394	2.859859	2.879651	2.910725	-1.49166	2.016136	132.4476	2.58E-19	2.62E-18

LOC114292694	30.54304	30.7199	27.25904	10.16516	9.987718	11.17113	1.391874	5.237525	869.2258	5.09E-39	2.4E-37
LOC114292724	11.31618	11.33083	11.80581	4.757417	5.407713	4.711483	1.102179	3.743271	252.4142	9.86E-28	1.95E-26
LOC114292390	1.562814	1.605963	1.750472	4.109677	4.017631	3.628545	-1.35846	2.489076	149.2948	9.62E-21	1.09E-19
LOC114293011	2.925581	3.360082	3.343037	9.040914	7.955984	9.328531	-1.55613	1.654303	114.8089	1.07E-17	9.48E-17
LOC114293554	0.847169	0.857312	0.88369	1.208609	1.765099	2.033926	-1.08284	1.864136	60.19202	2.59E-11	1.34E-10
LOC114294191	20.20821	18.12298	19.61646	7.693746	7.934861	7.414637	1.226079	3.763215	314.9941	5.33E-31	1.37E-29
LOC114293731	1.723555	1.681957	1.925304	0.522186	0.657843	0.631694	1.429189	0.430528	37.00996	2.88E-08	1.12E-07
LOC114293751	2.752173	2.751101	2.406799	6.73868	6.551872	7.410781	-1.49338	2.381434	167.6351	3.47E-22	4.46E-21
LOC114293523	8.74462	7.76182	8.223131	23.91584	20.86017	23.22514	-1.55785	3.587655	459.7187	6.16E-37	2.48E-35
LOC114294301	2.286917	1.312777	2.709808	7.499273	6.09722	6.224645	-1.73466	1.575103	117.2203	4.61E-17	3.86E-16
LOC114294614	3.127961	2.554178	3.043292	8.767841	8.612291	6.727551	-1.55857	2.81264	225.6591	6.77E-25	1.09E-23
LOC114294642	0.778895	0.739997	0.54825	0.221233	0.348383	0.234175	1.240138	0.35998	26.07171	1.85E-06	5.87E-06
LOC114295211	1.888965	1.721833	1.877819	0.218019	0.386237	0.576932	2.044894	0.294479	58.29028	2.41E-11	1.25E-10
LOC114295221	9.563112	9.022945	10.17843	18.02433	17.84682	17.74257	-1.00341	4.571922	332.6488	7.89E-32	2.14E-30
LOC114295240	1.161367	0.94833	1.227339	0.354546	0.456803	0.657968	1.045316	1.490584	41.64784	6.75E-09	2.79E-08
LOC114295603	1.817645	1.849395	1.732444	0.079618	0.062689	0.060197	4.586036	0.489542	177.8851	6.01E-23	8.28E-22
LOC114296128	4.190342	4.2673	3.673127	1.540262	1.6758	1.524495	1.247626	2.473086	115.1883	9.83E-18	8.76E-17
LOC114296144	3.192107	3.162989	4.091851	1.237905	1.218356	1.491658	1.285986	1.796075	77.17686	1.04E-13	6.62E-13
LOC114296259	12.75119	12.41995	12.82412	4.12394	5.038529	4.730738	1.336219	4.047268	407.271	5.46E-35	1.89E-33
LOC114296272	7.156143	6.779319	6.648048	2.824412	2.437679	2.648782	1.28108	3.25801	236.5991	8.22E-27	1.53E-25
LOC114296670	3.073104	2.91563	2.845054	0.827608	0.814538	0.782162	1.758932	1.059348	83.93571	1.72E-14	1.18E-13
LOC114296467	1.412507	1.004514	1.279703	0.465487	0.461092	0.590352	1.172324	1.700522	60.64542	1.18E-11	6.27E-11
LOC114297666	10.60552	10.25318	10.39618	0.607983	0.756663	0.7859	3.73587	3.933369	1886.611	9.53E-62	2.46E-59
LOC114297137	2.86134	2.248592	2.423403	4.442867	5.289907	4.629028	-1.03515	1.913033	61.44961	9.23E-12	4.96E-11
LOC114297811	0.317195	0.219791	0.187662	0.931436	0.873073	0.871904	-1.95403	-0.42685	38.73594	1.55E-08	6.18E-08
LOC114297542	0.120872	0.122492	0.199211	3.603481	3.425472	3.820921	-4.71011	2.260638	792.2646	4.07E-46	3.15E-44

LOC114297950	6.50029	5.20194	5.815743	2.194468	1.827534	2.361128	1.353906	2.38447	123.8747	1.51E-18	1.44E-17
LOC114298047	17.26768	16.64338	17.81874	2.330352	3.072805	2.674704	2.560402	4.25791	1300.374	8.13E-55	1.23E-52
LOC114298100	6.583787	6.31355	6.55819	2.202929	2.666489	3.032825	1.176419	2.929996	147.3714	1.38E-20	1.55E-19
LOC114298139	29.14345	27.68117	28.7424	9.835073	10.55792	10.65571	1.354102	5.373571	1011.076	2.06E-50	2.22E-48
LOC114297901	3.481681	3.57343	2.809857	0.952162	1.1025	1.355107	1.40498	1.17561	59.70244	1.57E-11	8.25E-11
LOC114298289	20.71872	19.61977	20.48293	2.724674	2.257052	2.274631	2.972886	4.424868	1839.704	2.78E-61	6.8E-59
LOC114298694	2.993502	3.3893	2.907479	0.450966	0.331404	0.409154	2.861601	1.7079	264.3113	2.13E-28	4.46E-27
LOC114298767	7.151841	6.974737	7.167572	15.12223	16.2754	14.97043	-1.22892	3.527673	289.9479	9.31E-30	2.17E-28
LOC114298702	0.307136	0.288196	0.337464	1.985134	2.051474	2.392059	-2.88743	1.145005	223.4818	5.17E-26	9.06E-25
LOC114299003	0.409457	0.367398	0.400681	0.16282	0.15567	0.175862	1.141382	0.49197	26.17316	1.78E-06	5.65E-06
LOC114299189	0.934372	0.762773	1.385955	0.042463	0.033434	0.032105	4.618859	-0.31978	88.27513	5.64E-15	4.03E-14
LOC114299307	1.093955	0.851056	1.28939	0.253096	0.341622	0.246032	1.821444	0.179308	44.22155	2.29E-09	9.86E-09
LOC114299602	0.449334	0.474328	0.586272	1.097588	0.944595	1.157935	-1.18832	0.79693	38.39674	1.75E-08	6.94E-08
LOC114299631	12.1513	11.81803	11.95908	0.15703	0.226674	0.237451	5.705651	3.647751	2189.002	1.67E-64	5.59E-62
LOC114299725	1.486342	1.863084	1.679326	0.02549	0.100349	0	5.121395	0.971232	244.4579	6.33E-26	1.1E-24
LOC114299766	1.533228	1.369555	1.355226	0.155706	0.134857	0.082407	3.429867	1.490657	280.9462	2.73E-29	6.15E-28
LOC114299847	1.377614	1.64916	1.975701	0.606294	0.809462	0.837079	1.01639	1.377894	37.18081	2.79E-08	1.08E-07
LOC114299868	1.394076	1.660288	1.384448	0.243671	0.306974	0.331618	2.186229	0.143028	58.3561	2.36E-11	1.22E-10
LOC114300556	2.76156	2.377861	2.320302	4.724727	5.347631	4.242015	-1.03638	0.488278	23.77084	4.7E-06	1.42E-05
LOC114300860	0.409422	0.599311	0.719759	1.860642	2.461212	2.419653	-2.08765	0.116719	63.88047	4.47E-12	2.47E-11
LOC114300919	0.72061	0.55446	0.699391	1.331772	1.065782	1.337048	-1.01288	1.290092	39.39859	1.22E-08	4.92E-08
LOC114301147	4.010572	4.210767	3.39426	8.604108	8.58459	8.119218	-1.22601	3.382015	249.3839	1.47E-27	2.87E-26
LOC114301349	0.035563	0.026696	0.052099	0.9697	0.984079	1.12418	-4.7941	0.461227	240.2244	5.01E-27	9.42E-26
LOC114302112	8.671507	8.543586	8.472889	17.90255	17.33171	17.45153	-1.13969	3.688469	286.1053	1.47E-29	3.37E-28
LOC114302239	0.651307	0.617297	0.561168	0.11073	0.093892	0.08372	2.571796	1.244609	167.6597	3.46E-22	4.44E-21
LOC114301909	3.948526	3.276023	4.281326	0.283331	0.297447	0.428436	3.355596	0.40664	123.7772	1.55E-18	1.47E-17

LOC114302248	258.4977	249.5597	253.5304	86.53027	86.47608	91.50894	1.420034	7.067397	2020.708	1.07E-51	1.31E-49
LOC114302290	6.90132	6.28979	7.263692	19.62543	20.6847	19.60426	-1.65615	4.588657	846.5058	2.83E-47	2.35E-45
LOC114302555	100.9639	98.06591	104.8551	255.1389	238.0097	252.8865	-1.40094	7.590114	2136.588	5.39E-42	3.14E-40
LOC114302593	3.139496	2.593445	2.982295	0.850259	0.852047	0.730517	1.742553	2.98121	303.1885	2.01E-30	4.9E-29
LOC114302805	30.9548	26.40436	33.26451	57.96921	55.61475	57.45227	-1.02146	5.553208	388.2841	1.93E-15	1.43E-14
LOC114303526	0.171656	0.105428	0.17146	2.297753	2.32289	2.573721	-4.08147	1.323816	381.0782	6.14E-34	1.94E-32
LOC114302915	29.32144	29.13602	29.13006	58.8068	57.0771	59.90612	-1.11018	5.932055	974.0251	9.5E-50	9.65E-48
LOC114302995	7.541429	6.241713	8.14444	2.636341	2.675432	2.081847	1.471356	2.210087	126.0897	9.52E-19	9.25E-18
LOC114303003	44.5256	39.86261	44.36878	11.5044	12.55271	11.61222	1.743869	4.663878	897.6207	2.64E-48	2.38E-46
LOC114302484	0.024321	0.109541	0.106889	4.42109	3.620258	3.342652	-5.6209	1.27939	444.8473	2.1E-36	8.17E-35
LOC114303194	0.51756	0.356138	0.442295	1.30671	1.440404	1.541224	-1.79928	0.03714	47.90257	6.63E-10	3.02E-09
LOC114303410	9.613792	9.57041	8.231644	3.31853	3.546078	3.193324	1.341356	3.979086	373.7376	8.23E-32	2.23E-30
LOC114304202	0.677488	0.464343	0.517833	1.070915	1.306964	0.890655	-1.06449	-0.15682	15.24907	0.000183	0.000443
LOC114304722	6.876098	5.900011	6.524821	2.439746	3.13145	3.158592	1.024343	2.942398	113.2742	1.5E-17	1.32E-16
LOC114304742	1.913884	1.971622	2.102864	6.366011	5.886636	4.757181	-1.59756	1.531645	107.7752	5.17E-17	4.33E-16
LOC114304954	10.46477	10.64757	10.80542	20.69619	20.77088	21.4182	-1.08443	5.257563	674.359	2.46E-43	1.57E-41
LOC114305119	103.9376	104.0596	101.6414	17.74851	17.27814	17.85019	2.444678	6.601145	4896.867	1.16E-79	1.47E-76
LOC114305190	2.41507	1.977719	1.869538	0.798212	1.099849	0.905256	1.039455	-0.11392	13.67097	0.000376	0.000869
LOC114305023	13.77303	11.833	14.302	1.736665	2.222011	2.461949	2.506632	2.553568	380.2738	6.63E-34	2.09E-32
LOC114305259	0.218095	0.163716	0.159754	4.228887	4.006026	3.796833	-4.51947	0.816404	295.4169	4.91E-30	1.16E-28
LOC114305307	11.90759	11.41432	12.8545	21.14101	22.80712	23.47512	-1.00809	3.92467	248.0429	1.75E-27	3.41E-26
LOC114305347	8.498164	7.835251	8.897885	4.034692	3.291259	4.232237	1.023468	3.208308	143.9799	2.64E-20	2.9E-19
LOC114305431	1.874872	1.882187	2.109639	0.123187	0.193987	0.341507	2.97256	0.645519	127.3579	7.31E-19	7.16E-18
LOC114305399	1.020144	1.443213	0.804731	0.095099	0.299513	0	2.893134	-0.29831	42.73422	1.38E-07	4.98E-07
LOC114305448	3.721845	3.382926	3.005423	6.928676	5.968857	6.37872	-1.02616	2.740181	104.902	1E-16	8.21E-16
LOC114305402	0.85709	0.660319	1.189542	3.77209	3.486541	2.913962	-1.99377	0.556473	80.06105	4.78E-14	3.15E-13

LOC114305464	1.646325	1.595524	1.853884	0.312673	0.117232	0.135087	3.134184	1.825216	290.9854	3.04E-28	6.31E-27
LOC114305410	0	0	0	3.121501	1.585655	2.436203	-8.1338	-0.59627	131.7025	5.89E-19	5.81E-18
LOC114305411	1.820565	1.484448	1.483004	0.627657	0.71883	0.560834	1.22287	0.2233	23.79955	4.65E-06	1.4E-05
LOC114305382	33.44156	38.60327	33.57152	0	0.258262	0	8.348222	3.130011	1347.463	4.68E-43	2.93E-41
LOC114305474	0.780966	0.530938	0.85808	0.375004	0.231994	0.303781	1.170621	0.190935	20.57937	1.78E-05	4.97E-05
LOC114305521	1.755349	1.957141	2.136669	0.813369	0.911367	0.780531	1.110266	1.335436	44.82316	1.86E-09	8.11E-09
LOC114305566	0	0	0	8.673073	7.817278	6.902577	-9.68047	0.917885	420.7571	4.2E-35	1.46E-33
LOC114305557	1.671573	1.297183	1.538795	4.311557	5.140659	4.594819	-1.74398	2.073661	178.9702	5.01E-23	6.94E-22
LOC114305583	0.036002	0.040538	0	4.646581	4.998317	5.294449	-7.41594	1.089393	462.2253	5.02E-37	2.03E-35
LOC114305601	0.883564	0.831551	0.869381	0.287671	0.226502	0.253749	1.651726	0.460459	48.54311	5.36E-10	2.46E-09
LOC114305603	7.281326	7.315814	7.434122	1.751245	1.475071	1.662777	2.07073	2.599539	310.8042	8.5E-31	2.15E-29
LOC114305615	2.688363	2.509803	2.598611	5.660218	5.187267	6.29066	-1.24144	2.902474	174.3473	1.09E-22	1.47E-21
LOC114305617	7.639476	6.902866	6.735774	1.285852	1.012437	0.712942	2.746929	2.381949	374.5542	1.15E-33	3.55E-32
LOC114305621	2.984298	2.825042	2.422958	1.29622	0.9639	1.397454	1.069537	2.197009	69.81693	8.65E-13	5.09E-12
LOC114305627	0.377689	0.436771	0.37012	0	0	0	7.904576	-0.51651	98.28472	5.99E-16	4.62E-15
LOC114305642	0.587561	1.464955	1.060592	4.806365	4.925688	5.710488	-2.43853	1.181708	160.8998	8.31E-21	9.51E-20
LOC114305643	12.49708	11.44885	12.22796	5.578547	5.609521	4.980018	1.060814	2.83628	116.421	7.5E-18	6.76E-17
LOC114305679	7.698132	6.568162	7.256539	2.013684	1.585507	1.426126	2.016384	3.241937	467.3361	3.02E-36	1.16E-34
LOC114305706	1.432762	1.69011	1.424308	3.96877	3.385283	2.813126	-1.25076	1.72657	75.64521	1.58E-13	9.91E-13
LOC114305689	0.781086	0.756063	0.963607	0.249101	0.156907	0.094169	2.261999	0.266073	64.71695	3.5E-12	1.95E-11
LOC114305741	1.477132	0.997948	1.13609	3.759227	3.171309	4.161848	-1.70401	0.063942	43.88504	2.56E-09	1.1E-08
LOC114305698	8.178431	7.678403	7.720352	0.167515	0.197843	0.158316	5.357864	2.401456	778.7693	8.1E-46	6.1E-44
LOC114305726	0.481173	0.40635	0.425885	0.996172	1.128702	1.148133	-1.42446	1.815698	108.3322	4.56E-17	3.82E-16
LOC114305774	1.488073	1.218595	1.337734	0.614785	0.193624	0.46482	1.600771	-0.17524	26.79893	1.39E-06	4.45E-06
LOC114305776	0.500197	0.669776	0.683271	0.098299	0.116096	0.241544	1.84748	-0.05625	36.86691	3.04E-08	1.17E-07
LOC114305860	1.909064	1.58324	1.771001	0	0	0	9.894176	1.27572	408.2737	1.25E-34	4.17E-33

LOC114305937	2.115634	2.06028	1.993275	0.491361	0.379441	0.45009	2.12772	2.855353	391.1764	2.38E-34	7.78E-33
LOC114305950	9.12493	9.159572	9.054435	1.800193	1.316168	1.263852	2.558061	2.188494	314.6587	5.54E-31	1.42E-29
LOC114305936	9.033633	9.171172	9.442435	1.548887	1.599829	1.762896	2.380084	4.136497	1162.517	6.56E-53	8.69E-51
LOC114305975	0.550315	0.636401	0.735391	0.229816	0.298034	0.20442	1.274626	0.914578	41.36468	6.13E-09	2.54E-08
LOC114305979	0.838116	1.074385	0.93504	0.046878	0.018455	0.053165	4.422223	0.348478	150.0999	8.27E-21	9.46E-20
LOC114306041	1.636208	1.522511	1.548079	0	0	0.015617	7.614433	1.137749	358.1015	5.76E-33	1.69E-31
LOC114306065	1.41838	1.030125	1.22337	0.206269	0.121807	0.146207	2.877409	1.596318	235.5622	1.26E-26	2.32E-25
LOC114306071	40.01789	39.42484	38.80826	5.919511	6.008201	6.073035	2.609358	6.120374	4801.715	2.73E-79	2.89E-76
LOC114306058	0.168344	0.200705	0.163205	1.314079	1.077182	1.211297	-2.84887	1.092406	209.7895	3.84E-25	6.31E-24
LOC114306098	1.292754	1.940851	1.657137	6.210705	5.94742	6.810918	-2.07002	1.988807	223.6527	5.04E-26	8.85E-25
LOC114306122	0.221105	0.248964	0.294996	0.976115	1.039817	1.063605	-2.11464	0.337601	78.84537	6.62E-14	4.29E-13
LOC114306187	15.54936	15.58796	16.2857	6.585775	6.453385	7.032814	1.133147	4.667201	427.3165	9.32E-36	3.41E-34
LOC114306205	17.42092	14.61727	14.33735	5.624455	5.006138	5.916494	1.383795	2.250246	119.8451	3.57E-18	3.31E-17
LOC114306227	0.11716	0.211075	0.18022	2.513111	2.381195	2.608594	-3.97577	0.803217	258.1352	4.69E-28	9.56E-27
LOC114306149	0.021221	0	0	1.002965	1.36679	1.429125	-6.97601	-0.10289	189.4926	8.94E-24	1.32E-22
LOC114306240	0.541461	0.622938	0.763057	0.171179	0.252714	0.275025	1.314778	0.285418	27.66756	9.82E-07	3.21E-06
LOC114306153	4.027743	4.367259	3.933733	0	0	0.205027	5.526961	0.472905	183.7202	2.28E-23	3.27E-22
LOC114306246	3.706724	3.559975	4.120647	0.673816	1.185914	1.108808	1.796433	1.761144	134.1024	1.84E-19	1.9E-18
LOC114306243	0.021386	0	0.023498	0.855288	0.948917	0.852412	-5.67584	-0.59778	121.7938	2.35E-18	2.21E-17
LOC114306295	1.978461	2.056378	2.341035	0.78385	0.7987	0.871537	1.260028	0.880664	41.26641	6.34E-09	2.62E-08
LOC114306278	11.7308	12.09436	12.00299	2.13245	1.311734	2.015351	2.619858	2.506841	389.91	2.68E-34	8.74E-33
LOC114306370	0.51521	0.424482	0.62131	1.41626	1.115116	1.295313	-1.38493	1.139388	63.66228	4.77E-12	2.63E-11
LOC114306382	0.293781	0.28354	0.307418	0.635763	0.881017	0.884453	-1.56022	0.303064	44.79474	1.88E-09	8.19E-09
LOC114306321	0.634389	0.555583	0.968097	1.857944	2.118657	1.986004	-1.57359	0.269943	43.63846	2.79E-09	1.19E-08
LOC114306393	0.285571	0.282966	0.263566	0.020765	0.073572	0.031399	2.55012	-0.06804	59.70118	1.57E-11	8.25E-11
LOC114306356	247.5798	252.3681	250.5616	541.8156	539.0617	558.9917	-1.23278	8.160308	2039.207	2.88E-29	6.48E-28

LOC114306401	16.62615	14.65342	15.16157	39.93074	42.0058	43.32742	-1.537	5.289037	1230.363	2.53E-53	3.48E-51
LOC114306409	6.110223	5.24508	5.245187	1.109562	1.085142	0.90072	2.327394	3.926018	908.9211	2.89E-44	1.96E-42
LOC114306417	1.341559	1.336294	1.332294	0.093797	0.055389	0.053188	4.209971	0.811092	212.0088	2.76E-25	4.6E-24
LOC114306457	15.58305	14.87751	13.61488	6.015264	6.516497	6.451006	1.105988	3.748945	250.1839	1.32E-27	2.6E-26
LOC114306468	11.93801	11.65571	11.87338	0.201684	0.190559	0.198233	5.793524	3.998534	2821.648	3.01E-69	1.35E-66
LOC114306479	3.817587	3.543953	4.418251	1.60384	1.444946	1.597387	1.238224	3.279122	213.0202	3.59E-25	5.93E-24
LOC114306478	0.689948	0.796302	0.758075	0.313551	0.197503	0.14224	1.713004	-0.08959	32.58888	1.48E-07	5.29E-07
LOC114306506	0.238398	0.107374	0.06985	0.404474	0.636938	0.720839	-2.1702	-0.43417	42.49613	5E-09	2.09E-08
LOC114306519	5.80498	5.446995	6.555345	2.418262	1.327071	1.46824	1.70473	2.527536	174.5362	2.41E-19	2.45E-18
LOC114306525	17.09701	16.52395	16.67187	32.82753	34.15718	34.51288	-1.11945	4.43948	389.8697	2.69E-34	8.77E-33
LOC114306533	3.878228	4.289586	3.62011	0.935831	0.491228	0.471702	2.573564	1.072124	141.7104	4.1E-20	4.43E-19
LOC114306545	35.12646	36.04912	35.72786	7.981705	8.40331	8.241711	2.009835	4.696021	1219.637	8.97E-54	1.27E-51
LOC114306546	0.720786	0.785422	0.562034	2.028789	1.963471	2.684335	-1.80138	0.956452	89.56496	4.07E-15	2.94E-14
LOC114306595	0.714225	0.746772	0.653957	0.278214	0.267736	0.280466	1.242836	-0.05349	20.02202	2.25E-05	6.21E-05
LOC114306573	3.520126	2.494368	2.73407	6.123142	5.820135	5.421963	-1.07991	2.137084	74.76053	2.01E-13	1.25E-12
LOC114306637	1.41648	1.472264	1.543043	0.176062	0.051985	0.099836	3.694992	1.057038	217.5423	1.22E-25	2.09E-24
LOC114306640	0.588191	0.526445	0.596557	0.027416	0.107932	0.26947	1.85851	-0.30056	29.56355	5.26E-07	1.77E-06
LOC114306643	10.01813	9.143057	10.37007	19.4572	17.20664	19.05908	-1.01783	4.039659	260.8534	3.31E-28	6.83E-27
LOC114306667	33.62217	30.76309	29.51533	13.63487	13.51317	13.90505	1.088396	4.944627	478.898	1.33E-37	5.61E-36
LOC114306654	0	0	0	1.984685	2.10961	2.25084	-8.02212	-0.7106	127.7337	9.23E-19	8.98E-18
LOC114306681	1.23149	1.06139	0.952174	0.497473	0.500497	0.501499	1.009373	0.730491	24.52022	3.46E-06	1.06E-05
LOC114306756	2.451252	2.545958	2.25215	0.153653	0.211717	0.145215	3.690168	0.968154	210.3365	3.54E-25	5.84E-24
LOC114306759	1.143041	1.189465	1.202337	0.482533	0.484605	0.54352	1.11413	3.225981	179.2275	4.8E-23	6.67E-22
LOC114306765	0.885365	1.023154	0.853323	0.437654	0.322362	0.405615	1.146288	1.391165	48.7147	5.07E-10	2.33E-09
LOC114306732	1.307379	1.077151	1.156185	0	0	0.043826	5.723127	-0.55428	85.95063	1.02E-14	7.1E-14
LOC114306821	0.383866	1.111455	0.783287	4.784914	4.670107	5.615017	-2.85493	1.696045	250.2033	1.23E-20	1.38E-19

LOC114306825	1.719185	1.613165	1.574117	0.347241	0.273406	0.262539	2.363305	-0.48842	39.99335	9.92E-09	4.03E-08
LOC114306722	1.542265	1.46942	1.629376	3.127051	4.414862	4.076325	-1.44286	0.518757	45.31036	1.58E-09	6.92E-09
LOC114306938	0.036271	0.027228	0.044281	0.161174	0.184587	0.160632	-2.31795	-0.31144	56.22033	4.57E-11	2.31E-10
LOC114306940	0.754062	0.555163	0.716988	0.079082	0.103777	0.119583	2.592321	-0.1242	59.94614	1.45E-11	7.69E-11
LOC114306946	2.212419	2.317376	2.298969	0.155883	0.073642	0.235717	3.736992	1.165079	239.2616	5.71E-27	1.07E-25
LOC114306949	0.284844	0.168807	0.280026	0.735814	0.879762	0.638746	-1.7048	0.066104	43.09005	3.37E-09	1.43E-08
LOC114306993	3.76304	2.791937	3.301277	1.378712	1.503072	1.603696	1.024695	1.353924	38.77809	1.53E-08	6.09E-08
LOC114306961	207.5419	212.8786	209.9456	62.98483	60.58881	61.02609	1.66679	7.331704	2849.556	1.05E-62	2.9E-60
LOC114307001	7.508211	7.320954	6.45812	18.55183	17.92033	18.25932	-1.46532	4.269296	569.194	1.83E-40	9.54E-39
LOC114306962	3.218632	3.338804	3.369369	0.829261	1.233317	1.184294	1.477444	1.433723	80.07563	4.76E-14	3.14E-13
LOC114307015	4.668569	3.859887	5.237164	1.661717	1.261652	1.525597	1.533598	1.528135	88.55425	5.26E-15	3.77E-14
LOC114307028	1.921161	1.737392	2.027755	4.317287	4.979847	4.740324	-1.41342	2.736778	195.6217	3.37E-24	5.12E-23
LOC114307036	1.289462	1.330937	1.416785	4.604307	4.262447	3.903138	-1.75988	2.484715	237.1142	7.66E-27	1.43E-25
LOC114307046	2.004818	1.585364	1.950551	0.08346	0.021904	0.021034	5.39172	0.980933	273.5767	6.7E-29	1.46E-27
LOC114307059	31.89687	31.05319	31.94905	13.30181	12.39639	12.5961	1.205351	5.783214	1010.749	2.09E-50	2.24E-48
LOC114307110	22.02144	27.83284	23.40257	2.509179	2.461955	2.480841	3.190217	4.22872	1107.518	1.07E-21	1.32E-20
LOC114307093	247.926	254.7533	244.4626	37.68729	37.05448	40.01727	2.597682	7.910325	7058.742	1.24E-86	2.82E-83
LOC114307103	1.491965	1.254047	1.062071	0.420189	0.360919	0.346573	1.662126	0.357058	44.05604	2.42E-09	1.04E-08
LOC114307116	0.723204	0.678605	0.92705	0	0.028753	0	5.778205	-0.50452	88.6312	5.16E-15	3.69E-14
LOC114307146	0.226021	0.081803	0.150777	0.366845	0.392824	0.399399	-1.41649	0.082419	30.07601	3.92E-07	1.34E-06
LOC114307158	0.891875	0.897129	1.006072	0.324254	0.357429	0.408598	1.233794	0.795286	37.43974	2.47E-08	9.64E-08
LOC114307171	0.647792	0.35213	0.490866	1.055752	1.087037	0.798222	-1.05423	0.070985	17.41627	6.97E-05	0.00018
LOC114307220	11.61773	10.35622	10.2385	1.466594	1.385697	1.552387	2.760757	2.205938	356.8378	6.54E-33	1.9E-31
LOC114307242	0.798056	0.681703	0.93733	0.150075	0.157552	0.151289	2.27481	0.210412	64.8634	3.35E-12	1.88E-11
LOC114307248	8.864812	7.312218	7.852515	28.35678	32.85144	33.4346	-2.08454	4.147081	942.0641	2.17E-45	1.58E-43
LOC114307252	6.082673	6.70201	6.9908	14.38116	13.78017	14.59158	-1.21935	4.093918	378.4946	7.86E-34	2.45E-32

LOC114307264	1.217912	1.459841	1.467671	0.071418	0	0.053997	4.814691	-0.60472	74.52483	2.14E-13	1.33E-12
LOC114307270	0.979632	1.085415	1.007476	3.176941	3.163226	2.940551	-1.69892	3.010981	342.0087	2.96E-32	8.29E-31
LOC114307334	0.612383	0.784652	0.835264	0.191932	0.302241	0.348273	1.2457	-0.27329	16.47963	0.000105	0.000265
LOC114307308	2.28284	3.020306	2.382839	1.141194	0.898538	0.862822	1.306598	0.03556	22.83237	6.92E-06	2.04E-05
LOC114307341	0.806747	0.656063	0.886406	1.98252	1.924483	1.827455	-1.38417	1.473046	81.72086	3.08E-14	2.06E-13
LOC114307346	10.75617	10.07256	11.64009	1.915977	1.431213	1.337181	2.709993	2.786258	511.3241	1.11E-38	5.1E-37
LOC114307350	0.330543	0.297752	0.330165	0.622718	0.602131	0.611237	-1.03791	1.260143	41.80577	5.26E-09	2.19E-08
LOC114307367	3.237047	3.526374	4.568742	1.483054	1.017035	0.795756	1.708931	1.521359	96.10283	5.37E-15	3.84E-14
LOC114307366	0.957299	0.884857	0.784944	0.41557	0.347656	0.39275	1.085437	0.507951	23.89529	4.47E-06	1.35E-05
LOC114307371	18.08009	17.45308	16.38836	39.64484	39.0332	42.32965	-1.3257	5.451071	1009.017	2.24E-50	2.39E-48
LOC114307327	1.564307	1.575995	1.764	0.523827	0.471364	0.396049	1.713656	-0.20624	30.63369	3.1E-07	1.07E-06
LOC114307376	3.333583	3.339823	3.489703	0.52487	1.239794	0.793676	1.841693	1.339803	102.2328	2.25E-16	1.79E-15
LOC114307396	2.11398	2.171535	2.139346	0.707891	0.690077	0.942998	1.33422	1.301053	61.40731	9.35E-12	5.02E-11
LOC114307473	1.920204	2.054038	2.124878	0	0	0	9.839168	1.228002	396.5264	3.55E-34	1.15E-32
LOC114307475	4.633787	4.530281	4.451107	0.201758	0.238286	0.381358	3.890501	1.439697	313.003	6.65E-31	1.69E-29
LOC114307471	0.59037	0.44317	0.432443	1.207336	0.809784	1.115682	-1.17081	-0.0157	20.37823	1.94E-05	5.39E-05
LOC114307533	0.87502	0.939086	0.75111	2.584773	2.778781	3.025358	-1.81929	2.037676	190.2804	7.87E-24	1.17E-22
LOC114307553	1.70666	1.261421	1.423212	0.079549	0.062634	0.048116	4.431722	1.448218	337.9521	4.52E-32	1.24E-30
LOC114307556	9.422143	8.898132	9.064402	3.630772	3.355922	3.461234	1.287972	2.1504	102.8643	1.61E-16	1.3E-15
LOC114307578	0.717464	0.516135	0.76641	0.21737	0.17115	0.46565	1.082081	-0.29586	12.05851	0.000798	0.001745
LOC114307685	6.9432	6.567143	7.679642	15.06165	13.71409	12.15108	-1.04543	2.773923	110.4367	2.83E-17	2.42E-16
LOC114307646	0.999191	1.421162	1.155634	2.485532	2.559186	2.312905	-1.14758	0.133664	22.21577	8.94E-06	2.6E-05
LOC114307723	12.86703	13.62283	12.4486	3.613278	3.755366	3.642521	1.714941	4.226802	694.7546	7.6E-44	5.02E-42
LOC114307657	4.646753	5.118982	4.597233	1.791781	1.583538	2.045891	1.29473	2.320891	112.0778	1.96E-17	1.7E-16
LOC114307733	17.4216	17.30884	17.46484	4.201443	4.244323	4.225456	1.935439	3.886222	767.4	1.46E-45	1.07E-43
LOC114307805	474.0542	451.986	453.4899	201.1414	204.4688	209.6787	1.059348	8.362583	1599.508	1.67E-21	2.03E-20

LOC114307771	7.746179	8.338788	8.791634	3.868453	2.924055	3.626778	1.155177	1.117059	41.46658	5.91E-09	2.45E-08
LOC114307810	9.062835	8.072989	8.031658	20.39411	21.05056	20.47885	-1.40311	4.66432	649.5299	1.08E-42	6.62E-41
LOC114307816	0.329929	0.577887	0.886127	1.266142	1.311734	1.158827	-1.1728	-0.303	15.7775	0.000144	0.000355
LOC114307832	1.173016	1.0273	1.002433	0.347492	0.24873	0.155248	2.031157	1.249595	112.0287	2E-17	1.73E-16
LOC114307851	2.985533	2.651779	2.811711	0.927	0.849325	1.07043	1.459973	2.621602	173.0937	1.35E-22	1.8E-21
LOC114307859	1.207696	1.39303	1.100394	0.267729	0.674562	0.688233	1.012414	0.010186	13.76472	0.00036	0.000834
LOC114307910	10.20935	8.432838	9.70367	3.853034	5.056249	3.350137	1.102311	2.541812	88.78139	1.39E-14	9.59E-14
LOC114307936	0.112438	0.126605	0.247082	0.708562	0.633	0.803584	-2.25263	0.850798	115.1793	1.81E-17	1.57E-16
LOC114307969	62.75051	58.27799	60.36011	10.59429	8.910334	10.24009	2.507439	4.972036	2161.465	2.87E-64	9.31E-62
LOC114308002	1.410933	0.907833	0.99659	3.114428	2.452196	2.839521	-1.41745	0.280591	36.42435	3.57E-08	1.37E-07
LOC114308019	2.17563	2.33528	1.831938	0.184809	0.203717	0.307402	3.038604	0.887566	156.3665	2.59E-21	3.11E-20
LOC114308012	5.065704	4.152156	5.183927	9.795364	9.685103	11.41613	-1.20784	4.215926	337.5451	1.41E-26	2.59E-25
LOC114308068	1.793994	1.451899	1.416754	0.152867	0.441328	0.308208	2.20305	0.148703	57.51919	3.06E-11	1.57E-10
LOC114308043	4.983714	3.991793	4.064522	0.420286	0.514763	0.423688	3.144496	1.540665	262.8114	2.58E-28	5.37E-27
LOC114308069	14.32762	13.90134	14.13599	3.21872	2.44131	2.612188	2.266682	3.950068	950.0365	2.63E-49	2.6E-47
LOC114308099	1.352625	1.212802	1.1284	2.732035	2.437928	1.893475	-1.01696	1.144577	35.09561	5.8E-08	2.18E-07
LOC114308118	2.267923	1.860818	2.008943	0.671134	0.85555	0.821544	1.266603	1.330469	56.85152	3.76E-11	1.91E-10
LOC114308106	1.092673	0.874914	0.960452	0.132419	0.278033	0.233609	2.024726	-0.24203	38.30651	1.81E-08	7.16E-08
LOC114308137	0.46872	0.281481	0.423446	0.037869	0.044725	0.014316	3.469533	-0.46421	62.30252	7.15E-12	3.88E-11
LOC114308148	4.983793	4.416647	5.070279	20.71974	19.97973	21.4371	-2.20572	4.090181	1118.953	3.18E-52	4.02E-50
LOC114308147	4.135152	3.530246	4.085684	8.028198	7.42435	7.243769	-1.04931	4.072642	274.4008	6.06E-29	1.33E-27
LOC114308202	0.563315	0.616913	0.500237	0.063124	0.099403	0.07424	2.69284	1.375642	190.9998	7.02E-24	1.04E-22
LOC114308114	0.432857	0.487396	0.292676	12.16601	12.91511	14.41533	-5.11754	2.653711	1095.972	7.5E-52	9.38E-50
LOC114308291	2.312877	2.753112	2.033004	13.33395	12.29578	12.26116	-2.51428	1.800198	279.9353	3.08E-29	6.91E-28
LOC114308355	6.645982	7.001478	6.52774	1.647438	1.657453	1.799168	1.870431	2.348715	220.6248	7.8E-26	1.35E-24
LOC114308359	0.668307	0.739075	0.616285	1.69213	1.332327	1.59101	-1.28568	1.51172	72.33806	3.93E-13	2.39E-12

LOC114308365	1.6908	1.435945	1.621597	0.625133	0.79984	0.590805	1.125845	1.29815	44.57669	2.03E-09	8.79E-09
LOC114308368	0.239155	0.134644	0.525538	5.760311	6.075826	5.176932	-4.30438	0.611709	233.6549	1.23E-26	2.27E-25
LOC114308369	0.661064	0.697834	0.74147	0.175247	0.039424	0.264998	2.005676	0.062784	44.03052	3.06E-09	1.3E-08
LOC114308334	0.894373	0.914102	0.861739	0.050025	0.039388	0.018911	4.490458	0.180078	136.4106	1.16E-19	1.22E-18
LOC114308410	1.987414	1.717681	1.73512	0.273398	0.553538	0.398651	2.010661	1.680178	149.6009	1.11E-20	1.25E-19
LOC114308474	0.259985	0.250922	0.367272	0.450101	0.567031	0.629569	-1.03133	0.117398	17.69098	6.17E-05	0.00016
LOC114308481	1.378656	1.108831	1.051077	2.250421	2.0538	2.513543	-1.04434	0.931348	32.92216	1.3E-07	4.7E-07
LOC114308445	0.04025	0	0.014741	0.512165	0.748915	0.51631	-4.91674	-0.48301	115.09	1E-17	8.94E-17
LOC114308497	1.618741	1.729227	1.915392	0.301803	0.178222	0.399323	2.443715	-0.23498	50.5195	2.81E-10	1.32E-09
LOC114308505	9.718625	9.227212	8.719525	2.717958	2.983694	2.963893	1.56374	3.656921	444.9268	2.08E-36	8.12E-35
LOC114308450	0.96685	1.052382	1.115434	0.087878	0.11532	0.110737	3.163927	0.249594	103.9423	1.25E-16	1.02E-15
LOC114308525	1.614668	1.416712	1.751063	4.002517	3.991833	4.726608	-1.51956	2.095204	143.041	3.17E-20	3.46E-19
LOC114308587	1.193405	1.007829	1.201974	4.067621	2.918023	2.460324	-1.53677	0.416618	45.2775	1.6E-09	6.99E-09
LOC114308625	3.117257	3.354024	3.729511	1.385173	1.685533	1.475723	1.046641	1.154918	35.49918	5E-08	1.89E-07
LOC114308673	0	0	0	1.144807	0.901383	0.681952	-8.28272	-0.45402	149.0996	1.44E-20	1.61E-19
LOC114308674	0	0	0	0.637652	0.597697	0.505067	-7.84562	-0.86731	111.5465	2.88E-17	2.46E-16
LOC114308705	1.578009	1.387391	1.63882	0	0.03094	0.05942	5.310971	0.278556	161.0993	1.1E-21	1.36E-20
LOC114308709	4.797035	5.127575	4.936644	2.087924	2.282205	2.386496	1.024047	3.999455	247.4098	1.91E-27	3.69E-26
LOC114308720	3.659066	3.211255	4.138615	12.32489	12.47684	11.68508	-1.82979	2.175279	211.2228	3.1E-25	5.14E-24
LOC114308723	11.67996	10.32793	10.46727	5.054079	4.350044	5.375955	1.032306	4.113642	248.3542	6.4E-27	1.2E-25
LOC114308775	12.53535	12.79541	11.78124	2.451515	2.59475	2.795468	2.128428	3.343531	598.5839	2.61E-41	1.45E-39
LOC114308776	35.26017	35.85445	35.17432	7.662609	7.663898	6.419788	2.189633	3.485298	690.8442	9.5E-44	6.24E-42
LOC114308780	12.22787	11.30471	11.50248	5.303545	4.871806	4.442285	1.163805	4.114374	322.346	2.38E-31	6.25E-30
LOC114308809	3.189722	2.683151	3.401601	0	0.053711	0.025788	6.523354	1.382478	399.6584	1.09E-34	3.66E-33
LOC114308808	1.024506	1.025415	0.839784	3.281317	2.862907	3.062017	-1.76713	1.927884	169.5567	2.49E-22	3.23E-21
LOC114308827	0.837903	0.838647	0.764764	0.298185	0.444179	0.292473	1.121315	2.004679	67.06659	1.96E-12	1.12E-11

LOC114308892	0.919284	0.77098	1.010055	0.057624	0.081668	0.095849	3.369577	1.279881	234.9252	1.03E-26	1.91E-25
LOC114308895	0.345989	0.206966	0.285114	1.061347	1.160651	0.995635	-2.02735	0.948367	110.0506	3.09E-17	2.64E-16
LOC114308929	1.086685	0.727549	0.806748	3.737243	2.858506	2.744884	-1.90196	1.05977	103.8615	1.28E-16	1.04E-15
LOC114308942	3.650569	3.72517	3.455934	7.198964	7.231066	7.078034	-1.09421	3.338118	205.5143	7.31E-25	1.17E-23
LOC114308977	0.036636	0	0	10.65577	10.3564	10.64969	-9.46615	3.158881	2041.847	3.27E-63	9.82E-61
LOC114308980	4.055838	4.167481	4.202156	11.18533	10.48447	10.34327	-1.46779	3.878945	507.9879	1.43E-38	6.46E-37
LOC114308954	2.91253	3.34257	3.138578	0.916349	1.523172	1.231687	1.214966	0.343814	25.60057	2.24E-06	7.02E-06
LOC114308986	1.118152	1.322785	1.321869	0.102916	0.081033	0.058359	3.846668	0.618607	166.6	4.16E-22	5.31E-21
LOC114309074	0.453989	0.319494	0.561168	1.856858	1.380804	1.403914	-1.86843	0.129118	52.93232	1.29E-10	6.28E-10
LOC114309071	0.767271	0.684636	0.866892	0.263163	0.207205	0.38799	1.310746	1.198354	52.16431	1.65E-10	7.95E-10
LOC114309073	11.52467	10.60465	12.93495	4.843229	4.670671	4.882426	1.178537	3.582782	246.896	2.04E-27	3.94E-26
LOC114309100	0.116196	0.239867	0.042556	1.161729	1.635385	1.357448	-3.48579	0.28013	139.8057	2.29E-19	2.34E-18
LOC114309126	0.373696	0.26777	0.348384	0.555801	0.615909	0.68481	-1.01351	0.402745	21.42052	1.25E-05	3.56E-05
LOC114309139	0.461031	0.51912	0.492483	1.583024	1.503036	1.372888	-1.69613	1.248839	102.1195	1.92E-16	1.54E-15
LOC114309153	1.040646	0.305678	1.043975	1.398219	2.007544	1.989932	-1.27735	-0.11501	20.39649	2.2E-05	6.08E-05
LOC114309193	1.148238	0.733816	1.21047	2.482185	3.597852	2.815057	-1.63372	1.987124	124.2107	2.88E-15	2.11E-14
LOC114309224	1.30561	1.381908	1.233695	0.237337	0.560613	0.502441	1.428589	0.146723	28.87173	6.13E-07	2.05E-06
LOC114309235	1.083567	1.161995	1.077174	2.29802	2.695613	1.985673	-1.17382	1.044606	43.9606	2.5E-09	1.07E-08
LOC114309241	16.81551	17.29224	15.85974	32.39006	30.03596	31.20643	-1.0102	6.00149	768.8362	2.17E-41	1.21E-39
LOC114309254	0	0.126448	0.041129	1.565066	1.553745	1.646329	-4.84953	-0.53879	111.1656	2.4E-17	2.07E-16
LOC114309274	3.061297	2.824059	2.715175	0.603422	1.16139	0.608305	1.727391	0.676289	58.46644	2.28E-11	1.19E-10
LOC114309310	2.575891	2.325359	2.610652	1.130261	0.79458	0.762997	1.404279	1.258482	64.05902	4.24E-12	2.35E-11
LOC114309339	1.136517	1.226394	1.335457	0.487802	0.610008	0.564066	1.029953	0.845576	27.80948	9.29E-07	3.05E-06
LOC114309340	2.857413	3.056094	2.833938	0.980629	0.941014	0.892025	1.533918	2.789002	217.7857	1.18E-25	2.02E-24
LOC114309350	4.070828	3.600258	3.99295	0.907284	1.004576	1.243321	1.763503	2.271415	186.4468	1.46E-23	2.13E-22
LOC114309356	1.681087	1.675217	1.782433	3.544863	3.127964	3.246233	-1.04843	3.189547	164.1572	6.4E-22	8.05E-21

LOC114309358	2.898566	2.767684	3.159297	5.880287	5.360111	5.322341	-1.00804	3.478226	189.4941	8.93E-24	1.32E-22
LOC114309359	1.489913	1.761521	1.289161	6.195455	6.95728	6.885512	-2.25299	2.758803	434.6466	4.97E-36	1.87E-34
LOC114309384	47.13607	47.65457	49.92222	17.68812	21.9314	21.14413	1.14048	5.638146	303.6906	2.78E-09	1.19E-08
LOC114309409	4.299947	4.803607	4.538526	0.307738	0.242302	0.139603	4.212479	1.158935	269.9323	1.05E-28	2.25E-27
LOC114309415	1.773668	1.933408	1.4927	0.651702	0.324081	0.414933	1.835099	0.88737	73.85486	2.58E-13	1.59E-12
LOC114309416	5.888945	6.107443	5.82717	1.721572	2.094876	1.964276	1.506831	2.78885	210.4692	3.47E-25	5.73E-24
LOC114309436	0.881478	0.44113	0.681549	5.044497	3.177494	5.025495	-2.79314	1.252503	196.6826	1.58E-21	1.92E-20
LOC114309449	9.172018	7.925312	9.811841	3.558525	4.155573	3.627631	1.136172	3.127863	159.4502	1.83E-21	2.22E-20
LOC114309508	0.167729	0.206568	0.224604	0.714611	0.765218	0.756414	-2.01259	1.472066	159.3038	1.52E-21	1.86E-20
LOC114309494	6.786404	6.702592	6.896632	2.063096	2.652102	2.546685	1.367626	2.594082	151.2373	6.69E-21	7.71E-20
LOC114309528	55.24473	51.6302	56.83386	22.59177	21.52429	23.28157	1.174737	5.337621	757.4337	2.46E-45	1.78E-43
LOC114309540	0.7436	0.66784	0.787844	1.383915	1.216352	1.533005	-1.01445	1.872855	58.33227	2.38E-11	1.23E-10
LOC114309553	3.845117	3.967284	4.542975	1.082093	1.128329	0.84025	1.917296	2.281135	210.1794	3.62E-25	5.97E-24
LOC114309573	3.908528	3.265253	3.740338	0	0	0.057762	6.943534	0.520283	217.5163	1.22E-25	2.09E-24
LOC114309566	1.503667	1.015875	1.453885	0	0.043044	0	5.974962	-0.33966	102.0831	1.93E-16	1.55E-15
LOC114309568	1.518285	1.649247	1.668203	6.68887	5.982439	7.217632	-2.14651	2.825193	434.4015	5.07E-36	1.9E-34
LOC114309608	166.9913	164.1581	167.936	61.2578	56.77236	61.32376	1.371709	6.482755	1628.536	4.89E-59	1.06E-56
LOC114309635	0.728502	0.969435	0.844096	0.264857	0.417079	0.273069	1.280386	0.508588	30.93129	2.77E-07	9.61E-07
LOC114309738	3.239852	3.357512	3.528258	7.192452	7.714942	9.378572	-1.37809	2.617328	164.8448	5.66E-22	7.16E-21
LOC114309667	0.199032	0.179288	0.43737	2.315553	2.278986	1.53188	-2.97631	-0.14857	86.43657	9.02E-15	6.31E-14
LOC114309745	0.564353	0.56857	0.522171	2.348756	2.359492	2.245294	-2.16965	1.569909	195.6156	3.38E-24	5.12E-23
LOC114309673	2.116469	2.524712	2.09521	5.104422	4.978823	4.262509	-1.19157	2.361605	104.377	1.13E-16	9.23E-16
LOC114309778	0.658655	0.662183	0.947692	0	0	0	9.217909	0.653038	238.9636	2.09E-25	3.51E-24
LOC114309781	40.59891	41.89664	41.77578	18.23814	19.31185	18.23516	1.049073	5.692838	717.2494	2.15E-44	1.47E-42
LOC114309791	2.515047	2.513912	2.408728	0.293384	0.221376	0.203334	3.288069	2.609601	581.3618	8.1E-41	4.31E-39
LOC114309766	2.68951	1.792308	3.256615	0.099777	0.078561	0	5.240373	-0.24787	99.95836	3.49E-16	2.74E-15

LOC114309820	19.71745	19.13769	18.02409	8.733626	8.031826	8.378178	1.074242	5.72799	741.2838	1.2E-44	8.29E-43
LOC114309821	4.838691	5.011267	4.790776	1.673842	1.770157	1.538501	1.450207	3.443306	339.9383	3.67E-32	1.02E-30
LOC114309798	4.528732	3.824507	5.55005	17.57306	15.83088	15.32133	-1.90398	1.878603	183.4947	2.37E-23	3.38E-22
LOC114309837	0	0	0.021035	2.575299	3.342971	4.131021	-8.52514	1.431792	544.6929	3.3E-36	1.27E-34
LOC114309840	15.86979	15.50113	14.8738	5.213576	5.911192	5.203211	1.392777	3.040127	225.3351	3.97E-26	7.01E-25
LOC114309891	1.045993	0.576363	0.953654	0.080912	0.031854	0.091762	3.509611	-0.43322	63.89586	4.45E-12	2.46E-11
LOC114309849	0.82712	0.627946	0.895022	0.273374	0.37668	0.41338	1.014185	1.496702	40.07944	1.03E-08	4.19E-08
LOC114309807	6.449234	5.926315	5.986484	12.19519	11.45884	11.56373	-1.03936	2.881437	125.0586	1.18E-18	1.14E-17
LOC114309863	1.175639	0.557376	1.019782	3.036935	2.833991	3.741848	-1.89024	0.068744	51.59952	1.98E-10	9.46E-10
LOC114309866	1.148101	0.861839	1.042081	1.935807	1.78616	2.14967	-1.04402	1.463104	47.34865	7.97E-10	3.59E-09
LOC114309913	12.25769	11.36906	12.51837	29.49547	28.05968	31.48007	-1.40573	4.023039	487.376	6.86E-38	2.98E-36
LOC114309914	0.898193	0.594919	0.677272	0.288133	0.252074	0.26626	1.332617	-0.08024	21.62273	1.15E-05	3.28E-05
LOC114309955	3.225778	3.410742	3.609132	1.573238	1.351326	1.405747	1.142535	1.922925	70.589	6.43E-13	3.83E-12
LOC114309920	2.322483	2.449598	2.454905	0.801619	0.631168	0.848512	1.554201	0.783154	55.45664	5.81E-11	2.9E-10
LOC114310042	64.00033	59.65317	67.48751	8.564003	9.414766	8.307526	2.753552	3.601768	1037.46	7.17E-51	8.18E-49
LOC114310021	0.223803	0.324002	0.316159	1.714515	1.647398	1.472061	-2.58319	0.867934	154.5736	3.6E-21	4.26E-20
LOC114310027	0.027671	0.031157	0.091209	10.66372	11.20821	11.86559	-7.81469	2.656757	1354.997	1.11E-55	1.84E-53
LOC114310028	0.464079	0.368162	0.521492	0.153384	0.060385	0.072481	2.190054	-0.18069	43.75903	2.68E-09	1.15E-08
LOC114309995	0.812729	0.844736	1.030361	2.613855	2.952871	3.608816	-1.88597	0.000836	50.27729	3.04E-10	1.43E-09
LOC114309997	1.944614	1.827709	2.03068	0.438218	0.529059	0.530118	1.830513	1.248992	102.3577	1.81E-16	1.46E-15
LOC114310033	5.348997	6.840555	5.930353	2.287887	1.662836	2.295315	1.433686	2.35265	128.0437	1.4E-18	1.34E-17
LOC114310089	2.051891	2.079382	2.80202	0	0	0.040287	6.802403	0.396172	190.0645	8.15E-24	1.21E-22
LOC114310090	2.868127	3.352144	2.99177	5.543727	7.015089	5.937879	-1.12102	1.968208	73.46521	2.87E-13	1.77E-12
LOC114310140	3.691851	3.370554	3.091628	5.767941	6.512315	7.597405	-1.08268	2.941027	130.2676	8.07E-19	7.88E-18
LOC114310146	0.338217	0.344562	0.371613	0.073193	0.034578	0.09961	2.216591	-0.1648	46.02325	1.24E-09	5.5E-09
LOC114310162	0.306739	0.263153	0.240734	1.88521	2.216073	2.589721	-3.14869	1.397907	290.7778	8.45E-30	1.97E-28

LOC114310180	0.982484	0.957872	1.03342	0.02178	0.025724	0.008234	5.593832	1.401311	394.3354	1.77E-34	5.88E-33
LOC114310183	0.435978	0.423018	0.438259	0.059018	0.106215	0.082869	2.242021	0.832127	102.0791	1.94E-16	1.55E-15
LOC114310195	3.072974	2.995364	3.15803	5.613909	5.623724	6.219673	-1.02865	3.152671	154.7124	3.51E-21	4.16E-20
LOC114310196	1.373101	1.293682	1.477894	2.580952	2.754104	2.888555	-1.09842	2.756492	125.2352	1.14E-18	1.1E-17
LOC114310205	7.047028	6.191487	6.128858	1.010385	0.823955	0.927619	2.712165	2.49275	413.1091	3.24E-35	1.13E-33
LOC114310240	1.515555	1.399872	1.795297	0.086094	0.237256	0.195279	3.009957	1.215735	190.7381	7.32E-24	1.09E-22
LOC114310328	1.135234	0.96431	0.853436	6.299571	5.758243	5.693599	-2.6782	2.412628	449.413	1.43E-36	5.63E-35
LOC114310334	0.628038	0.59624	0.595338	0.044771	0.15863	0.03385	2.772684	-0.07179	64.86868	3.34E-12	1.87E-11
LOC114310345	0.191817	0.174845	0.200721	0.448314	0.549091	0.590035	-1.59782	0.306442	47.25924	8.21E-10	3.7E-09
LOC114310353	1.026051	0.8817	0.919692	0.147251	0.077294	0.074221	3.145272	-0.53614	54.87299	6.97E-11	3.46E-10
LOC114310374	0.610664	0.500077	0.622165	0.141283	0.079458	0.06104	2.558037	0.025967	65.31995	2.93E-12	1.65E-11
LOC114310391	1.510045	1.533313	1.525825	0.073527	0.135082	0.111182	3.672557	0.951335	207.936	5.07E-25	8.23E-24
LOC114310384	8.168889	9.037344	8.096779	3.322983	3.883727	3.493816	1.127944	2.672391	112.3466	1.84E-17	1.6E-16
LOC114310411	4.631629	4.681117	4.905025	1.166554	1.078245	0.997039	2.031702	1.688937	164.4214	6.1E-22	7.7E-21
LOC114310413	0.986043	0.621758	0.953398	1.505659	2.032295	2.005723	-1.22405	0.124959	24.68461	3.24E-06	9.97E-06
LOC114310414	0.293699	0.132282	0	4.377913	4.371832	3.794399	-4.84383	0.173617	183.3141	2.61E-23	3.71E-22
LOC114310474	0.534594	0.502896	0.520464	0.184518	0.26151	0.260416	1.009735	0.827468	26.47914	1.57E-06	5.04E-06
LOC114310484	570.1624	566.8096	570.0803	1287.566	1254.717	1290.711	-1.2722	11.5086	8469.368	1.47E-22	1.95E-21
LOC114310492	5.125344	5.306783	5.92271	11.08397	9.654669	9.959143	-1.00849	3.024103	128.9802	5.23E-19	5.17E-18
LOC114310518	113.497	111.7528	115.8491	213.0051	209.9653	213.8193	-1.00604	7.410897	1132.059	2.97E-24	4.54E-23
LOC114310505	15.71867	13.94729	15.40042	4.213639	4.095258	3.733365	1.804209	2.984277	334.0911	6.78E-32	1.85E-30
LOC114310519	0.203807	0.141742	0.197587	6.625144	6.717851	7.011052	-5.31977	4.173706	3458.692	4.45E-73	2.58E-70
LOC114310524	1.487393	1.406006	1.402236	0.500707	0.578218	0.542616	1.291607	1.730019	78.72919	6.83E-14	4.42E-13
LOC114310525	0.049388	0.023833	0.015504	0.602794	0.70688	0.678783	-4.51717	0.591586	245.1844	2.57E-27	4.93E-26
LOC114310563	0.523284	0.474247	0.588977	0.348013	0.146141	0.105249	1.379698	-0.07651	21.58395	1.19E-05	3.4E-05
LOC114310529	3.120862	2.639766	3.346987	0.135722	0.106863	0.184707	4.277029	1.71869	403.2113	7.88E-35	2.7E-33

LOC114310539	4.261989	3.587744	4.20407	1.584161	2.20229	1.759175	1.003156	2.708471	88.32772	7.24E-15	5.11E-14
LOC114310581	0.159678	0.128426	0.300762	2.239193	1.730416	2.382721	-3.51375	0.63566	191.0618	6.95E-24	1.03E-22
LOC114310583	1.557949	1.954098	1.75512	0.394339	0.5363	0.406565	1.85017	0.834246	74.86721	1.95E-13	1.22E-12
LOC114310586	0.122712	0.112266	0.101122	0.641322	0.614729	0.474344	-2.43962	0.469606	106.206	7.41E-17	6.13E-16
LOC114310679	0.481366	0.216807	0.564156	1.341723	1.607607	1.234966	-1.81271	-0.1552	39.98145	9.96E-09	4.04E-08
LOC114310642	12.73499	11.31008	12.71146	1.467249	1.668713	2.095425	2.679002	1.293558	184.7994	1.91E-23	2.76E-22
LOC114310658	1.055593	1.078028	1.051933	0.290063	0.404067	0.320527	1.525771	0.861653	56.77144	3.85E-11	1.96E-10
LOC114310634	1.228173	1.188143	1.12137	0.377341	0.420899	0.499268	1.32161	0.586679	36.32986	3.69E-08	1.41E-07
LOC114310645	1.401005	1.577529	1.748068	0.043166	0	0	6.552772	0.175028	160.4534	1.24E-21	1.52E-20
LOC114310716	1.356976	1.406686	1.538299	2.819132	2.682125	2.753136	-1.04392	1.580874	52.44314	1.51E-10	7.29E-10
LOC114310729	0.032194	0.181251	0.141491	20.54149	21.61098	20.88472	-7.55657	3.347076	2298.952	2.04E-65	7.46E-63
LOC114310748	105.5292	103.187	106.3437	3.888512	2.884195	3.493897	4.844433	5.67691	7917.921	1.44E-86	3.05E-83
LOC114310752	3.43817	3.161958	3.421651	6.249979	6.054662	6.457249	-1.00887	3.026362	134.038	1.87E-19	1.92E-18
LOC114310761	34.89691	32.92141	34.35584	13.24644	12.18235	14.30455	1.256964	5.558376	910.7523	7.03E-48	6.14E-46
LOC114310792	4.729632	4.760723	4.527379	1.237537	1.076963	1.231137	1.876929	1.35256	115.056	1.01E-17	9E-17
LOC114310809	0.675639	0.635465	0.585148	0.231189	0.273045	0.32774	1.06196	0.86228	29.67887	4.48E-07	1.52E-06
LOC114310874	0.558845	0.56302	0.500916	0.240603	0.168394	0.141488	1.481274	-0.25721	22.82511	6.94E-06	2.05E-05
LOC114310864	1.737426	1.467254	1.67036	4.293356	4.818105	4.029612	-1.53116	1.766372	118.4855	4.79E-18	4.38E-17
LOC114310880	0.611543	0.93163	0.750978	0.08719	0.137301	0.164805	2.388782	0.302268	71.27674	5.3E-13	3.18E-12
LOC114310881	129.9315	124.7149	122.6626	292.7463	277.9654	277.8559	-1.27455	8.805402	2565.598	2.45E-28	5.11E-27
LOC114310899	2.456164	2.151049	2.773653	5.581083	5.468534	5.407452	-1.25915	2.42068	123.9887	1.48E-18	1.41E-17
LOC114310930	1.696965	1.558305	1.918833	0.509138	0.589527	0.611382	1.475426	1.132354	64.7945	3.42E-12	1.91E-11
LOC114310934	4.21157	4.441656	4.106028	1.293952	1.528222	1.75282	1.353377	1.594926	77.2339	1.02E-13	6.53E-13
LOC114310960	0.637521	0.845464	0.809433	0.051507	0	0.019471	4.905698	-0.06815	113.0201	1.59E-17	1.39E-16
LOC114310965	9.709294	9.527018	11.12521	0.252139	0	0.190635	6.013121	2.173294	631.8974	1.28E-39	6.25E-38
LOC114310977	8.661853	7.516068	8.406487	0	0.04989	0	8.556428	2.820662	1174.68	8.3E-53	1.09E-50

LOC114310979	1.822559	1.853876	1.817415	0.542901	0.800121	0.778842	1.242169	2.338042	103.4409	1.41E-16	1.14E-15
LOC114310993	0.646157	0.716023	0.822652	0.205089	0.1468	0.112772	2.152077	0.484599	72.41369	3.85E-13	2.34E-12
LOC114311085	5.321077	4.395953	4.734385	2.260484	2.317917	2.146291	1.001537	1.907337	54.43909	8E-11	3.95E-10
LOC114311194	189.94	188.4164	190.8504	72.52206	75.3253	77.61996	1.230182	7.119594	1529.378	7.33E-39	3.41E-37
LOC114311202	2.348287	2.373959	2.278828	1.059402	0.981338	1.083681	1.057489	1.607445	50.65337	2.69E-10	1.27E-09
LOC114311233	2.067984	2.47975	2.744322	0.048821	0.07688	0.073824	4.969165	0.603076	198.7697	2.06E-24	3.18E-23
LOC114311244	2.721818	2.803312	3.316561	0.937967	0.978544	1.099212	1.434562	2.225125	125.9238	9.85E-19	9.57E-18
LOC114311249	1.55068	1.698872	1.657748	4.114011	3.539164	3.456088	-1.27226	0.977711	49.94056	3.39E-10	1.59E-09
LOC114311252	3.219963	3.172462	2.889291	6.389872	5.837694	6.785792	-1.13802	2.429031	103.6846	1.33E-16	1.08E-15
LOC114311313	5.589873	5.502201	5.409689	0.471058	0.42388	0.712305	3.222403	1.354515	241.8013	4.04E-27	7.66E-26
LOC114311319	0.618014	0.719878	0.468302	6.973065	6.939202	6.795181	-3.62115	3.444418	1479.783	2.77E-57	5.4E-55
LOC114311329	12.22711	11.41039	13.36103	0.121457	0.095632	0.06122	6.937765	3.057934	1414.557	1.84E-56	3.25E-54
LOC114311335	13.73321	12.88429	13.21048	26.80217	24.15085	26.10268	-1.05606	5.788086	777.8807	8.48E-46	6.36E-44
LOC114311348	0.05524	0.0622	0.060695	0.502083	0.454622	0.626357	-3.22153	-0.56473	74.61463	2.09E-13	1.3E-12
LOC114311356	13.76737	14.83192	13.68822	0.25243	0.141968	0.05453	6.511462	3.415176	1788.904	9.15E-59	1.97E-56
LOC114311370	0.184061	0.35529	0.433363	1.768552	1.505403	1.373287	-2.35152	0.142829	76.90625	1.12E-13	7.12E-13
LOC114311384	5.18463	4.819191	4.511377	8.7922	8.566197	10.47342	-1.04699	2.634931	100.748	2.65E-16	2.1E-15
LOC114311400	10.2037	10.153	10.3684	4.130661	3.83238	4.43595	1.202077	3.895054	328.7335	1.2E-31	3.19E-30
LOC114311424	1.309559	1.16736	1.004209	0.099189	0.136672	0.13124	3.101653	0.615479	132.3567	2.62E-19	2.66E-18
LOC114311437	0.133301	0.041694	0.081369	0.471174	0.413385	0.580162	-2.58025	0.267478	94.87599	1.36E-15	1.02E-14
LOC114311462	0.517261	0.40635	0.396514	0.196805	0.051652	0.132265	1.739462	-0.30905	27.3299	1.12E-06	3.64E-06
LOC114311500	0.054755	0.123308	0.106954	0.287545	0.452806	0.401361	-2.14203	0.292906	71.97148	5.13E-13	3.09E-12
LOC114311490	0.926765	0.920766	1.093148	0.297299	0.50718	0.449557	1.087973	0.715041	27.36034	1.11E-06	3.6E-06
LOC114311501	1.131684	1.339067	1.180203	0.174339	0.082361	0.079087	3.366044	0.209608	105.3963	8.93E-17	7.35E-16
LOC114311535	0.309494	0.253447	0.247312	1.227503	0.563788	1.546796	-2.11936	-0.35714	42.17615	6.69E-09	2.76E-08
LOC114311522	0.917254	1.109331	1.194459	2.099694	1.993599	2.521347	-1.15316	0.593861	31.37543	2.34E-07	8.18E-07

LOC114311559	0.982052	0.884631	0.976798	0.263081	0.310712	0.255739	1.664088	0.912935	68.55506	1.15E-12	6.68E-12
LOC114311621	0.042925	0.034524	0.08759	0.323269	0.263308	0.320266	-2.54252	-0.1344	71.36407	5.17E-13	3.11E-12
LOC114311605	0	0	0	2.501247	1.444225	1.765042	-8.08121	-0.64459	128.8411	7.37E-19	7.21E-18
LOC114311641	0.04948	0	0.027183	1.079356	1.0269	1.428119	-5.3926	-0.39619	134.534	1.69E-19	1.75E-18
LOC114311632	0.076832	0.155723	0.168837	1.173201	1.341621	1.520608	-3.44569	0.569491	181.9637	3.05E-23	4.32E-22
LOC114311636	9.429778	9.455061	10.03669	3.955766	3.959285	4.072267	1.163207	4.05352	330.7315	9.68E-32	2.6E-30
LOC114311638	0.758075	0.711326	0.954398	0.028709	0.022605	0.065119	4.152133	-0.11319	99.61117	3.47E-16	2.72E-15
LOC114311692	2.897451	2.211266	2.54684	0.058523	0.138237	0.176989	4.142333	0.45775	156.1228	2.71E-21	3.24E-20
LOC114311666	2.878247	2.469257	3.033371	0.035593	0.056049	0.080732	5.382481	1.203555	331.2884	9.12E-32	2.46E-30
LOC114311731	5.668314	6.794284	7.353073	1.329546	1.57026	1.407321	2.08052	1.762255	170.5176	2.11E-22	2.76E-21
LOC114311751	0.495209	0.501844	0.489696	1.305293	1.488457	1.599447	-1.67307	0.31263	51.87591	1.81E-10	8.69E-10
LOC114311764	3.744559	3.603076	3.949731	1.18812	1.500676	1.235165	1.410747	2.501052	146.5483	1.62E-20	1.8E-19
LOC114311774	11.47942	10.20566	10.55734	23.40995	24.82759	23.91562	-1.26735	4.872797	634.6963	2.66E-42	1.59E-40
LOC114311814	3.374951	3.679546	3.178456	7.936622	7.552509	8.761671	-1.35259	2.717232	177.0243	6.94E-23	9.5E-22
LOC114311817	1.494621	1.574363	1.244895	0.832615	0.517558	0.430721	1.213739	0.442617	26.51748	1.55E-06	4.96E-06
LOC114311820	1.213209	0.8861	1.333003	3.457109	3.707568	3.965789	-1.80081	1.191922	107.5624	5.43E-17	4.54E-16
LOC114311838	1.179778	0.940969	1.458305	2.94886	2.603267	1.689048	-1.08876	0.205369	20.01452	2.26E-05	6.23E-05
LOC114311935	2.858022	2.82169	2.480325	0.338829	0.59285	0.512356	2.355213	1.281032	149.4994	9.26E-21	1.05E-19
LOC114312009	5.063474	5.128037	5.259698	1.66633	1.478617	1.659818	1.581034	2.809328	236.0941	8.81E-27	1.64E-25
LOC114312018	1.160375	1.020765	1.248391	0.17578	0.121103	0.049838	3.249076	0.747173	149.0361	1.01E-20	1.15E-19
LOC114312020	8.022044	7.37767	7.645807	0.59695	0.559546	0.38686	3.811408	2.973312	902.5061	2.12E-48	1.93E-46
LOC114312021	1.758579	1.873121	1.305557	0.0864	0.136056	0.065324	3.89566	-0.59081	64.11537	4.17E-12	2.31E-11
LOC114312023	0.498991	0.374575	0.30459	1.814152	1.983892	1.485927	-2.2405	0.272416	79.95129	4.92E-14	3.24E-13
LOC114312029	12.40791	10.80387	11.21978	26.75822	24.48802	25.15645	-1.24872	3.873785	367.1773	2.35E-33	7.08E-32
LOC114312031	1.202753	1.223236	1.349935	0	0.037021	0.017775	5.761871	0.684902	229.8727	2.09E-26	3.78E-25
LOC114312104	5.27026	6.10884	6.36972	2.648697	2.573589	2.726944	1.04804	2.080668	65.43356	2.83E-12	1.59E-11

LOC114312105	2.312925	2.432363	2.253612	0.277655	0.187385	0.359874	2.958497	0.932868	159.2809	1.53E-21	1.87E-20
LOC114312115	0.37443	0.439938	0.617103	0.843411	1.083488	1.174669	-1.2447	1.519126	62.89344	1.17E-11	6.24E-11
LOC114312063	1.192497	0.98124	0.730714	0	0	0	8.041806	-0.40287	104.7698	1.32E-16	1.07E-15
LOC114312123	0.828728	0.71282	1.024378	0.272003	0.313012	0.31639	1.387672	0.686638	41.33312	6.2E-09	2.56E-08
LOC114312180	1.506674	1.488553	1.473881	0.724474	0.500862	0.77487	1.058535	1.772708	54.00118	9.18E-11	4.53E-10
LOC114312157	0.784821	1.08922	1.183178	2.156587	2.298863	2.307827	-1.26266	1.467179	66.57572	2.03E-12	1.16E-11
LOC114312184	6.719542	6.68412	7.077008	2.056918	1.744129	1.842282	1.761572	2.914342	305.7216	1.51E-30	3.71E-29
LOC114312185	8.189928	8.323752	8.207764	1.449883	1.670619	1.737899	2.227736	2.931377	451.8216	1.18E-36	4.64E-35
LOC114312192	4.917662	4.383678	4.896687	1.745983	2.364533	1.70731	1.174428	2.97664	143.8298	1.07E-19	1.12E-18
LOC114312244	1.467921	1.414862	1.264487	0.384252	0.655519	0.484203	1.314138	1.332635	58.82897	2.04E-11	1.07E-10
LOC114312277	1574.631	1450.42	1567.764	290.3827	271.2716	280.8635	2.341111	8.586745	7431.034	3.38E-85	5.98E-82
LOC114312233	0.157296	0.139162	0.185173	0.633146	0.595005	0.555912	-1.97506	0.072989	57.75991	2.84E-11	1.46E-10
LOC114312293	7.488029	7.220752	7.757679	0.02355	0.018542	0.106833	7.000488	3.117518	1455.123	5.61E-57	1.04E-54
LOC114312336	2.992567	2.667619	2.694381	0	0	0	8.700279	0.180581	175.871	1.31E-22	1.74E-21
LOC114312375	4.192485	4.942013	3.958675	0.119081	0.281281	0.360134	3.884127	0.239843	124.3269	1.38E-18	1.32E-17
LOC114312376	2.672281	2.890207	2.279377	6.13608	6.441792	6.282392	-1.3719	1.959742	109.4366	3.55E-17	3.01E-16
LOC114312379	12.94195	9.642568	13.01718	42.9557	37.87682	38.76062	-1.84239	3.623998	576.1592	2.13E-37	8.86E-36
LOC114312397	23.33801	19.24517	20.43854	8.235312	6.778945	9.528386	1.255114	2.687413	132.1479	3.46E-19	3.47E-18
LOC114312455	3.01105	2.639881	2.62649	5.682466	5.625627	6.476102	-1.20867	2.534122	124.0823	1.45E-18	1.38E-17
LOC114312458	2.725384	3.319682	2.80616	0.031159	0.049067	0.070675	5.648664	1.453283	400.9336	9.69E-35	3.28E-33
LOC114312413	1.632065	1.434303	0.787266	0	0	0	7.656774	-0.73254	76.31643	3.8E-13	2.31E-12
LOC114312417	1.147367	1.087944	1.327011	0.109774	0.172865	0.082997	3.127114	-0.38922	61.22223	9.88E-12	5.3E-11
LOC114312482	1.612216	2.002502	1.643576	2.74944	3.639747	3.563603	-1.04344	2.228698	72.81682	4.04E-13	2.45E-12
LOC114312512	0.239869	0.168807	0.181193	0.436038	0.429152	0.422396	-1.21467	0.390325	30.03604	3.9E-07	1.33E-06
LOC114312544	2.915122	2.961314	2.541484	6.911962	8.571539	8.492129	-1.62392	2.38895	190.1902	7.99E-24	1.19E-22
LOC114312547	14.10645	13.72124	13.8257	28.17118	27.7263	27.03383	-1.09736	4.259507	343.0341	2.66E-32	7.48E-31

LOC114312591	3.491781	3.975182	3.68819	0.245481	0.57985	0.530288	2.875347	1.741226	261.2883	3.13E-28	6.48E-27
LOC114312621	2.208057	2.266891	2.533118	0.590273	0.464761	0.580173	1.989705	0.52562	68.37351	1.21E-12	7.02E-12
LOC114312629	2.344136	2.000905	2.326348	0.549835	0.811728	0.935355	1.395655	0.370104	33.50863	1.04E-07	3.82E-07
LOC114312647	12.1767	11.21607	10.62703	23.01067	21.97855	20.41644	-1.04477	4.714379	360.0745	4.09E-32	1.13E-30
LOC114312695	0	0.018612	0	4.507183	3.927344	4.112012	-9.02939	1.958742	851.5155	2.23E-47	1.87E-45
LOC114312679	0.686374	0.716305	0.790935	0.060864	0.071883	0	3.92321	-0.30234	79.40022	5.7E-14	3.73E-13
LOC114312709	2.288755	2.239938	2.679267	0.009721	0.045923	0.036748	6.068571	2.772155	1018.291	6.72E-50	6.89E-48
LOC114312705	0.178305	0.100385	0.195911	1.539599	1.084625	0.888349	-2.92093	-0.12158	86.15168	9.71E-15	6.77E-14
LOC114312831	1.544733	1.336035	1.377489	0.406964	0.352472	0.461539	1.689351	0.41255	48.38881	5.64E-10	2.59E-09
LOC114312822	0.750056	0.907903	0.762309	0.20452	0.187871	0.103088	2.192376	-0.17788	44.8958	1.82E-09	7.92E-09
LOC114312855	12.70162	12.77316	15.15888	3.264345	2.068726	4.093388	1.997276	2.528622	228.3236	4.24E-22	5.4E-21
LOC114312860	42.23614	43.8736	41.94183	17.10791	16.94475	17.09325	1.218739	5.65942	958.0238	1.87E-49	1.86E-47
LOC114312862	0.384298	0.356357	0.364289	0.794469	0.517687	0.797447	-1.02439	1.135241	35.0609	5.88E-08	2.21E-07
LOC114312900	1.709015	1.942502	2.533213	0.3517	0.299993	0.288069	2.612425	1.211674	156.2789	3.24E-21	3.86E-20
LOC114312974	3.204619	3.060523	3.392005	0.243997	0.38423	0.553436	2.870841	1.735257	264.5242	2.08E-28	4.35E-27
LOC114312976	5.90788	6.094808	5.004415	2.489877	2.031305	2.33614	1.21278	2.865722	143.0719	3.75E-20	4.07E-19
LOC114312977	0.411346	0.301602	0.346855	0	0	0	7.848354	-0.56971	93.64229	1.83E-15	1.36E-14
LOC114312926	4.616828	4.108522	3.627254	8.392568	9.059391	9.51805	-1.23307	3.01571	183.9874	2.18E-23	3.13E-22
LOC114313044	3.020584	3.462269	3.060489	0.03288	0	0	7.959358	1.464244	448.8874	1.5E-36	5.88E-35
LOC114313046	3.147101	2.546983	3.220124	16.41174	16.44113	17.97734	-2.61496	3.964668	1336.426	1.99E-55	3.14E-53
LOC114313055	1.890376	2.204579	2.47266	0.736364	0.740841	0.649533	1.51719	1.023571	61.80259	8.3E-12	4.48E-11
LOC114313061	4.298704	4.36109	4.045087	0.193423	0.121836	0.058496	5.016534	1.666958	440.1158	3.12E-36	1.2E-34
LOC114313072	0.082709	0.155216	0.212042	1.854309	2.407062	2.235601	-3.95231	0.374	184.7764	1.92E-23	2.76E-22
LOC114313086	0.909004	0.767653	0.524349	0.330481	0.390315	0.1874	1.188583	-0.35746	13.65474	0.000379	0.000875
LOC114313099	1.19694	1.205883	0.945969	4.08444	3.276062	3.116982	-1.73061	1.750572	140.5596	5.13E-20	5.51E-19
LOC114313123	1.62034	1.170947	1.275464	4.70399	4.153754	4.420751	-1.79611	1.875524	166.9978	3.88E-22	4.96E-21

LOC114313182	0.49565	0.421423	0.455678	0.073551	0.217169	0.208537	1.288	0.045431	21.93658	1E-05	2.9E-05
LOC114313213	0	0	0	0.831359	0.509121	0.791526	-8.11456	-0.61903	132.6882	3.39E-19	3.41E-18
LOC114313239	0.016377	0.027661	0.044985	0.654946	0.421922	0.517693	-4.20544	0.065107	153.418	4.46E-21	5.22E-20
LOC114313251	0.813384	0.592621	0.620332	0.295717	0.219142	0.368254	1.092915	0.696446	26.59426	1.5E-06	4.82E-06
LOC114313252	1.952785	1.876589	1.84966	0.122407	0.120474	0.023137	4.32845	0.916219	225.7908	3.72E-26	6.6E-25
LOC114313291	2.339353	2.118338	2.156933	0.535283	0.608781	0.427195	1.970774	1.381622	124.659	1.28E-18	1.23E-17
LOC114313324	0.958793	0.616913	1.053466	2.24089	2.352535	2.917907	-1.61434	-0.33068	29.60586	4.61E-07	1.56E-06
LOC114313326	3.130399	2.574652	2.661874	1.731893	0.974025	1.084958	1.078555	1.216606	36.93422	2.96E-08	1.15E-07
LOC114313310	6.345845	7.270766	6.523925	16.86493	15.32383	15.88783	-1.35926	4.229135	478.9186	1.33E-37	5.61E-36
LOC114313335	0.443815	0.603128	0.655789	0.08346	0.087618	0.084135	2.588982	-0.41973	46.6296	1.01E-09	4.52E-09
LOC114313415	1.296064	1.094524	1.220605	2.103583	3.180078	2.544729	-1.23114	0.378497	30.10901	3.79E-07	1.3E-06
LOC114313439	6.086566	4.774951	6.002362	0.317418	0.249924	0.274275	4.217757	1.864038	438.5013	3.58E-36	1.36E-34
LOC114313499	79.0449	65.50322	76.18537	5.53539	5.901974	6.452093	3.509784	4.21082	1880.152	3.59E-59	7.87E-57
LOC114313503	0.630814	1.038123	1.012994	7.40949	7.917549	8.53652	-3.26908	1.486016	325.4942	1.7E-31	4.48E-30
LOC114313542	2.983697	2.984025	2.952518	0.033688	0.212201	0.152825	4.270553	1.394295	315.7794	4.89E-31	1.26E-29
LOC114313572	7.204942	7.604257	8.119354	13.69433	15.24821	13.79575	-1.00768	4.025192	248.7382	1.6E-27	3.12E-26
LOC114313560	5.815795	5.900911	6.249616	2.381622	2.469788	2.108104	1.264011	1.995355	88.89996	4.82E-15	3.46E-14
LOC114313568	0.514393	0.298945	0.546954	1.719332	1.329994	1.938499	-1.96438	0.974833	101.4714	2.85E-16	2.25E-15
LOC114313584	12.01335	10.87797	13.41956	24.38591	22.63957	24.76672	-1.08715	3.459052	213.23	2.3E-25	3.86E-24
LOC114313609	0.37274	0.304492	0.297121	0.159429	0.125529	0.16072	1.029509	0.094932	15.80867	0.000142	0.00035
LOC114313600	0.535158	0.32447	0.497538	4.040948	3.417389	4.413123	-3.20466	0.717484	187.344	1.26E-23	1.85E-22
LOC114313636	4.195231	3.707945	4.592954	1.585371	1.485008	1.632645	1.303761	2.532764	130.1378	4.12E-19	4.12E-18
LOC114313690	5.828894	6.326379	5.918913	1.262326	1.325218	1.561756	2.003296	2.419191	254.2257	7.78E-28	1.56E-26
LOC114313726	0.638847	0.670846	0.64672	0.156581	0.164382	0.226907	1.704606	0.889232	69.59734	8.52E-13	5.02E-12
LOC114313735	1.206186	0.953097	1.116031	0	0	0	8.32621	-0.15325	133.1733	3.08E-19	3.11E-18
LOC114313821	0.757992	0.718734	0.730559	1.982232	2.074647	2.284613	-1.63037	1.721154	131.8612	2.9E-19	2.94E-18

LOC114313832	0.299736	0.180001	0.351288	0.726489	0.572013	0.823915	-1.44114	-0.33468	23.5698	5.11E-06	1.53E-05
LOC114313845	1.955329	1.960414	1.618658	0	0	0	9.736834	1.13075	360.8148	1.01E-32	2.92E-31
LOC114313951	1.116055	0.897625	1.128934	0.386436	0.253556	0.340868	1.587958	0.341716	40.72254	7.67E-09	3.15E-08
LOC114313981	0.158764	0.071507	0.139553	2.13568	2.090591	1.87657	-4.07203	0.064231	154.9184	3.38E-21	4.02E-20
LOC114314011	3.501426	3.385059	3.147679	8.229454	6.783327	8.215038	-1.30928	2.264349	120.7929	2.91E-18	2.72E-17
LOC114314053	3.763419	4.208174	4.23553	0.78389	0.561099	0.502876	2.643388	2.442095	373.8078	1.23E-33	3.8E-32
LOC114314083	35.02468	34.47048	34.30969	176.5423	172.5002	176.3958	-2.44481	7.924993	6877.16	3.9E-86	7.76E-83
LOC114314125	2.647302	2.465647	2.693242	6.059962	6.829666	7.276903	-1.48087	2.132226	141.5907	4.2E-20	4.53E-19
LOC114314246	0.156011	0.070267	0.102849	0.58138	0.73688	0.846964	-2.80775	0.722367	151.0083	7.85E-21	8.99E-20
LOC114314249	16.87937	16.61412	17.17605	36.81203	34.3386	38.30533	-1.21612	5.142289	775.6977	9.48E-46	7.05E-44
LOC114314251	11.8441	11.51539	12.96135	1.469951	1.361636	1.242137	3.057011	3.083603	787.4277	5.2E-46	4E-44
LOC114314216	0.532504	0.317435	0.481835	1.879055	1.569172	1.635954	-2.00354	0.092697	59.219	1.81E-11	9.51E-11
LOC114314190	0.666382	0.567334	0.357162	0.029545	0.069789	0.044677	3.267415	-0.62738	50.64201	2.7E-10	1.27E-09
LOC114314192	0.260192	0.329598	0.285884	0.591228	0.628443	0.737566	-1.27612	-0.10519	22.95629	6.57E-06	1.95E-05
LOC114314268	6.178647	5.720317	6.074662	1.73051	2.030717	2.100967	1.4992	3.699939	425.9266	1.05E-35	3.82E-34
LOC114314196	0.023197	0.02612	0	2.234948	2.091746	2.072367	-6.81638	0.498203	296.4859	4.34E-30	1.04E-28
LOC114314197	21.65147	22.38678	22.07261	1.333204	1.55176	1.709209	3.725099	4.445998	2471.934	9.05E-67	3.51E-64
LOC114314276	0	0	0.030072	2.935387	1.919492	2.482671	-7.51736	0.443614	279.2451	3.35E-29	7.48E-28
LOC114314308	2.130457	1.556037	1.961229	0.10467	0.109885	0.079138	4.136648	0.741262	193.0875	5.03E-24	7.55E-23
LOC114314342	69.35831	65.73804	69.59918	18.57766	19.491	18.87488	1.739452	6.652275	2620.692	7.31E-68	3.06E-65
LOC114314340	12.22559	12.52511	11.76786	3.630953	3.746132	4.070548	1.560977	2.810754	230.0597	2.04E-26	3.68E-25
LOC114314341	2.630394	3.484492	2.80512	0.914127	0.775118	0.956968	1.637587	0.678029	54.40958	8.07E-11	3.99E-10
LOC114314379	0.39373	0.502451	0.663332	1.097455	1.089516	0.7576	-1.01104	-0.12925	13.82176	0.000351	0.000813
LOC114314424	1.021474	1.011363	0.715973	0.06403	0.151244	0.096822	2.966494	-0.01779	75.04294	1.86E-13	1.16E-12
LOC114314431	1.773988	1.340792	2.055957	4.329174	4.660802	4.60914	-1.49983	1.983824	126.9142	8.02E-19	7.83E-18
LOC114314441	10.5596	9.118954	10.75332	1.144445	1.023975	1.455244	2.951974	2.583323	489.4268	5.85E-38	2.55E-36

LOC114314446	1.979165	1.098574	1.776427	0.202691	0.19949	0.229873	2.815898	0.140446	77.80011	8.82E-14	5.66E-13
LOC114314471	1.864547	2.167201	1.75127	9.94957	9.555706	10.16787	-2.46426	2.595052	457.466	7.4E-37	2.96E-35
LOC114314481	3.759015	3.299733	3.506444	0.83672	0.878407	1.09654	1.790326	2.151117	177.7194	6.18E-23	8.49E-22
LOC114314470	8.339817	7.884573	7.477602	3.074966	2.026988	2.595225	1.535503	2.026525	123.5158	1.63E-18	1.55E-17
LOC114314502	1.162354	1.061863	1.060257	0.438537	0.533629	0.452134	1.089961	0.229943	19.66198	2.63E-05	7.19E-05
LOC114314531	1.264784	1.584361	1.667606	0.402352	0.588339	0.478038	1.486906	0.99794	57.60811	2.97E-11	1.53E-10
LOC114314507	0.81332	0.709742	0.737243	2.032896	1.513327	1.732631	-1.3073	0.933434	50.37258	2.94E-10	1.39E-09
LOC114314537	2.640347	2.477521	2.924084	1.218966	0.839802	0.950424	1.332139	1.448742	66.71172	1.95E-12	1.11E-11
LOC114314579	4.132728	3.483434	4.307273	0.042929	0	0	7.899411	1.404292	428.1791	8.65E-36	3.18E-34
LOC114314578	6.754058	6.522796	6.5647	0	0.037181	0.035703	7.671121	1.970821	658.7919	6.18E-43	3.84E-41
LOC114314587	0.100111	0.169088	0.164995	9.190212	8.239083	8.530759	-5.94038	1.425917	542.6618	1.15E-39	5.66E-38
LOC114314621	3.642945	3.299393	3.625594	0.599839	0.680102	0.616787	2.365106	2.261473	300.1324	2.85E-30	6.88E-29
LOC114314668	0.068524	0.173606	0.150581	0.778529	0.809144	0.659257	-2.61571	-0.30766	65.86206	2.5E-12	1.41E-11
LOC114314680	0.278013	0.121738	0.186673	16.93014	16.69042	16.68506	-6.48721	4.093053	3609	7.01E-74	4.46E-71
LOC114314687	0.946893	0.878047	0.795593	5.568857	5.181955	5.20564	-2.69136	0.773193	157.3066	2.19E-21	2.63E-20
LOC114314741	3.159536	3.504532	3.005192	0	0	0	9.723165	1.119768	361.3154	9.64E-33	2.79E-31
LOC114314784	3.759344	3.108619	4.388707	1.815232	1.008884	1.372442	1.344922	0.498953	33.42757	1.08E-07	3.93E-07
LOC114314766	71.80297	72.74874	72.3053	21.61625	23.32887	22.14216	1.58642	6.979861	2322.214	4.27E-65	1.49E-62
LOC114314739	0.982614	0.737614	0.925405	0.085058	0.066972	0.06431	3.470518	-0.46186	64.83111	3.38E-12	1.89E-11
LOC114314798	5.594916	4.793374	5.579404	0	0	0.041792	7.956715	1.456808	453.3484	1.04E-36	4.12E-35
LOC114314802	0.353199	0.272112	0.2451	9.29288	8.673854	9.427702	-5.05619	2.969011	1422.827	1.44E-56	2.6E-54
LOC114314851	1.101566	1.043294	1.142467	0	0	0.007075	8.237187	1.722699	557.195	4.17E-40	2.12E-38
LOC114314853	2.539642	1.865859	2.117546	0.785807	0.747618	0.792167	1.386379	1.353999	66.64892	1.99E-12	1.13E-11
LOC114314913	0.703115	0.593779	0.634588	1.917206	1.473602	1.760157	-1.49975	0.546899	49.83432	3.51E-10	1.64E-09
LOC114314914	1.243604	0.969435	1.086113	2.492512	2.64712	2.015991	-1.20588	0.76496	38.18693	1.89E-08	7.45E-08
LOC114314926	0.166945	0.266304	0.229286	0.834557	0.876136	0.478018	-1.81224	0.093726	46.28826	1.24E-09	5.49E-09

LOC114314970	2.669634	2.649039	2.914905	6.096477	5.492722	5.182665	-1.12429	2.933375	147.0336	1.48E-20	1.65E-19
LOC114315006	0.934372	0.6012	1.283292	2.48712	2.006038	1.696979	-1.20999	0.48659	29.40973	5.3E-07	1.79E-06
LOC114314980	4.914977	4.963259	5.164563	2.091819	2.28909	2.439357	1.025749	2.506502	84.23679	1.59E-14	1.09E-13
LOC114314982	1.477571	1.697352	1.721861	0	0	0.020513	7.273613	0.826097	276.4992	4.68E-29	1.03E-27
LOC114314962	0	0	0.030292	5.312346	5.761164	5.948973	-8.74334	1.662201	705.5357	4.13E-44	2.77E-42
LOC114314996	1.607421	1.656999	1.542264	0.452705	0.615677	0.435625	1.556343	0.585002	47.68371	7.13E-10	3.24E-09
LOC114315057	1.629838	1.543232	1.424477	3.535105	2.968985	2.723696	-1.09323	1.93192	68.49827	1.17E-12	6.78E-12
LOC114315066	0.318607	0.264342	0.331642	0	0	0	7.821253	-0.59103	92.46076	2.44E-15	1.79E-14
LOC114315075	1.420791	1.528174	1.561082	0.424033	0.607035	0.553761	1.374476	0.624756	39.78554	1.07E-08	4.32E-08
LOC114315109	0.763752	0.762258	0.724734	0.25243	0.248444	0.310139	1.349182	-0.02439	23.70132	4.84E-06	1.46E-05
LOC114315110	3.750726	3.558362	3.384545	6.789136	6.693344	6.668591	-1.01656	3.299186	172.1968	1.58E-22	2.09E-21
LOC114315129	1.675983	1.193913	1.76631	0.310881	0.244778	0.235048	2.449393	-0.14537	53.96332	9.3E-11	4.58E-10
LOC114315176	4.560432	4.062529	4.979024	11.85792	13.59167	11.74231	-1.55795	3.169531	321.4981	2.61E-31	6.82E-30
LOC114315222	1.909573	1.890264	2.144241	0.190729	0.240277	0.144204	3.245869	0.741638	154.9493	3.36E-21	4E-20
LOC114315234	73.64414	69.41387	69.93067	30.15006	28.73102	31.01899	1.139222	6.597984	1156.778	1.79E-40	9.34E-39
LOC114315243	9.711266	10.04424	8.883764	0.339487	0.267301	0.241578	4.988092	3.728182	2021.64	5.01E-63	1.46E-60
LOC114315254	0.984089	1.184502	1.230399	4.626461	4.128416	4.384069	-2.0522	1.319616	148.8712	1.04E-20	1.18E-19
LOC114315272	35.29795	34.18307	36.58758	11.18404	13.24104	13.30109	1.378232	4.989757	747.0569	1.36E-42	8.31E-41
LOC114315296	1.97751	1.537464	1.810644	1.027074	0.673903	0.711828	1.066857	-0.12822	14.09743	0.000309	0.000723
LOC114315350	1.287537	0.921704	1.105504	0.418502	0.390536	0.527362	1.19958	1.498152	55.6046	5.54E-11	2.78E-10
LOC114315351	1.094844	1.204343	1.045642	0.168404	0.325462	0.127325	2.303177	1.301039	135.2407	7.64E-19	7.46E-18
LOC114315335	4.68367	4.087726	4.774133	1.436109	1.184589	1.240913	1.715747	2.233366	174.6233	1.04E-22	1.41E-21
LOC114315460	1.643645	2.020923	1.681393	0.892922	0.811219	0.675111	1.071207	1.097475	34.82329	6.41E-08	2.39E-07
LOC114315462	0.402003	0.471515	0.386485	0.913462	0.839101	0.851791	-1.14583	0.275883	24.87218	3E-06	9.27E-06
LOC114315487	0.721948	0.742224	0.551815	1.82591	1.527514	1.55308	-1.36803	0.207046	32.71314	1.41E-07	5.06E-07
LOC114315500	7.298894	6.945815	7.17404	1.530092	1.66943	1.834444	1.972716	3.455981	584.3387	6.65E-41	3.55E-39

LOC114315527	2.30687	2.203262	2.625178	12.50555	12.23436	12.201	-2.47568	3.457295	940.1053	4.03E-49	3.93E-47
LOC114315554	2.720671	2.460059	2.128754	0.599478	1.239023	1.076462	1.178836	0.428916	25.2194	2.61E-06	8.12E-06
LOC114315583	4.475503	3.561884	3.758867	2.00197	1.777512	1.706858	1.01193	1.916814	54.72918	7.3E-11	3.62E-10
LOC114315593	1.947254	1.910873	1.960239	4.548296	4.235129	4.769506	-1.32472	3.183599	256.9325	5.48E-28	1.11E-26
LOC114315617	60.34065	61.25141	62.84489	26.9199	27.17143	27.84658	1.064267	5.751625	789.3172	1.05E-45	7.75E-44
LOC114315618	1.853129	1.42132	1.859057	0.390569	0.192201	0.590595	2.006588	0.361634	57.28923	3.28E-11	1.68E-10
LOC114315611	2.149954	2.45927	1.912293	4.77673	5.079841	5.25315	-1.32225	1.701586	87.05352	7.7E-15	5.42E-14
LOC114315612	4.072837	3.935288	4.958779	0.950474	0.945311	0.756447	2.187574	1.554012	161.7939	9.74E-22	1.21E-20
LOC114315666	1.994128	1.621666	1.046826	0.724994	0.221992	0.578598	1.551799	0.584036	28.48618	1.75E-05	4.91E-05
LOC114315711	1.543658	1.357934	1.590076	0.613833	0.874564	0.552501	1.024902	1.091036	31.73387	2.04E-07	7.19E-07
LOC114315725	5.071607	5.168734	6.019804	1.278586	1.218655	1.068458	2.086024	1.473983	145.1675	2.11E-20	2.33E-19
LOC114315686	4.567145	4.924919	4.911909	1.186036	1.798516	1.76024	1.466928	2.01903	113.412	1.45E-17	1.28E-16
LOC114315747	0.534499	0.394652	0.606532	0.191139	0.213203	0.132472	1.419459	0.361268	32.94203	1.29E-07	4.66E-07
LOC114315758	0.521382	0.533704	0.533805	0	0	0	8.11422	-0.33604	115.3087	1.26E-17	1.11E-16
LOC114315850	2.253142	1.959497	2.093208	11.42165	11.85087	11.95887	-2.58496	3.542189	1069.854	2.02E-51	2.43E-49
LOC114315863	0.987653	0.97592	0.708686	2.857946	2.365648	2.188509	-1.55516	1.357839	89.82234	3.82E-15	2.77E-14
LOC114315872	3.455516	3.146045	2.98382	0.933524	1.233348	1.148436	1.411933	2.900147	196.3346	3.02E-24	4.6E-23
LOC114315815	0.688578	0.959942	0.414312	0.089408	0.258122	0.15773	1.858098	-0.16441	29.89148	9.12E-07	2.99E-06
LOC114315904	0.662054	0.692761	0.690688	1.884261	1.617607	1.562501	-1.40378	2.440527	152.8185	4.98E-21	5.8E-20
LOC114315915	0.973475	0.548066	1.02098	3.860955	3.293319	3.101598	-2.08519	0.573366	87.57052	6.75E-15	4.78E-14
LOC114315934	3.382108	3.046597	3.524266	1.665928	1.46785	1.319537	1.067524	1.761262	55.73374	5.32E-11	2.67E-10
LOC114315987	0.633562	0.604037	0.655471	0.336263	0.264762	0.286018	1.000512	1.630205	45.83249	1.32E-09	5.84E-09
LOC114315963	0.486416	0.629859	0.507724	1.98949	1.392407	1.838459	-1.77624	0.538276	65.54575	2.74E-12	1.55E-11
LOC114315953	0.811786	0.804381	0.998976	2.006927	1.394283	2.008293	-1.14274	0.36865	25.81158	2.05E-06	6.48E-06
LOC114316050	2.006988	2.082303	2.362673	0.67755	0.820738	0.906333	1.29661	1.671173	74.47458	2.17E-13	1.35E-12
LOC114316026	2.962027	2.823392	2.99672	0.133278	0.18889	0.100768	4.249566	1.695901	404.965	6.72E-35	2.31E-33

LOC114316034	0.68084	0.596264	0.664949	3.208712	3.24827	2.668611	-2.32155	1.168513	162.0102	9.37E-22	1.16E-20
LOC114316038	1.958944	2.25398	2.258228	0.272427	0.352393	0.397235	2.525124	1.845445	243.9595	3.02E-27	5.78E-26
LOC114316041	0.041998	0.023645	0.069217	0.763447	0.96178	0.981272	-4.34707	-0.49067	109.0121	3.9E-17	3.3E-16
LOC114316042	0.590638	0.468003	0.528781	0.129239	0.140896	0.060131	2.18263	0.897828	97.29821	6.05E-16	4.66E-15
LOC114316095	2.054357	2.165551	1.776951	0.015891	0.012512	0.012015	6.994476	1.827862	571.0272	1.62E-40	8.5E-39
LOC114316081	0.515102	0.538575	0.242556	1.27078	1.105893	1.719323	-1.75742	-0.34861	32.76748	1.38E-07	4.97E-07
LOC114316124	0.865905	0.975007	1.014833	1.678998	1.98298	1.983499	-1.09751	-0.32553	14.64931	0.00024	0.000571
LOC114316150	0.103409	0.116439	0.11362	1.20307	0.769647	0.625354	-2.98983	-0.44694	69.89176	7.84E-13	4.63E-12
LOC114316154	1.104229	1.393162	1.242498	2.442608	2.189814	2.761031	-1.09464	2.097545	75.63685	1.58E-13	9.92E-13
LOC114316142	1.329419	1.408868	0.945151	0.047385	0.03731	0	5.241536	-0.2441	102.4965	1.76E-16	1.41E-15
LOC114316178	2.105579	1.664325	1.685322	4.714751	3.652362	3.852155	-1.24924	2.692211	139.1018	1.63E-19	1.68E-18
LOC114316208	0.74623	0.968292	0.960471	1.87328	1.698745	1.426098	-1.0015	2.461212	75.09365	3.43E-13	2.09E-12
LOC114316282	15.59324	15.89298	15.53288	5.72209	5.611685	5.758135	1.354403	4.828888	686.8045	1.2E-43	7.82E-42
LOC114316353	15.97161	13.55269	16.19149	4.125269	4.604898	4.619265	1.663187	3.361754	392.0578	2.19E-34	7.2E-33
LOC114316390	6.519004	6.274353	5.973872	1.327637	1.471214	1.598622	1.975091	2.126088	207.8775	5.11E-25	8.3E-24
LOC114316408	0.452308	0.37165	0.470106	0.022222	0	0.050404	3.924665	-0.56961	64.34228	3.9E-12	2.17E-11
LOC114316413	4.134298	3.263446	3.324941	1.472092	1.525099	1.230162	1.246324	0.891405	39.99542	9.91E-09	4.03E-08
LOC114316425	1.095401	1.143716	1.302036	0.343942	0.299315	0.479029	1.532874	1.288403	75.29853	1.73E-13	1.09E-12
LOC114316473	4.744499	5.342295	5.192968	2.019592	2.150625	2.090173	1.176165	3.566124	248.7425	1.6E-27	3.12E-26
LOC114316480	24.34038	22.25193	26.94912	57.66479	58.04135	61.51319	-1.37535	4.774984	656.2424	1.94E-42	1.17E-40
LOC114316515	1.203589	1.577005	1.442655	0	0	0	8.632406	0.125052	164.3508	9.31E-22	1.16E-20
LOC114316523	29.74517	29.15552	28.26205	11.379	9.782018	11.78419	1.300087	5.261524	812.1705	4.49E-43	2.81E-41
LOC114316557	1.07912	1.219276	1.193851	0.270572	0.330211	0.240371	1.942958	2.556656	257.046	5.4E-28	1.1E-26
LOC114316564	1.580606	2.18164	2.296896	0.278057	0.218933	0.420462	2.561553	-0.33424	48.79714	4.93E-10	2.27E-09
LOC114316594	4.015471	4.717994	4.411965	10.79043	11.39467	13.24527	-1.54637	2.830629	241.3784	4.28E-27	8.1E-26
LOC114316657	2.787468	2.705761	3.168318	0.786277	0.619088	1.056854	1.689378	0.337701	45.03993	1.73E-09	7.55E-09

LOC114316720	1.911301	1.190535	1.608531	3.40048	2.968448	2.738674	-1.03009	0.815309	28.79448	6.31E-07	2.11E-06
LOC114316726	2.066034	1.826615	1.74877	0.528577	0.74475	0.67308	1.410581	1.368667	70.21775	7.15E-13	4.24E-12
LOC114316779	0.565508	0.227414	0.332864	1.064706	0.54924	0.943784	-1.23422	-0.05353	19.7968	2.86E-05	7.78E-05
LOC114316784	2.043578	1.924527	1.673817	0.675429	0.744534	0.817074	1.214263	0.216413	23.52795	5.19E-06	1.56E-05
LOC114316785	0.710163	0.626992	0.647282	0.249388	0.184809	0.277286	1.374626	0.825844	45.84203	1.32E-09	5.83E-09
LOC114316830	1.979572	1.907028	2.99672	0.879635	0.661114	1.027829	1.30853	1.167028	47.26001	1.79E-09	7.8E-09
LOC114316832	169.5112	167.0198	161.3495	401.6005	403.0788	399.4975	-1.37948	9.04351	3353.786	1.06E-31	2.84E-30
LOC114316820	3.447475	2.444128	4.068469	0.812375	0.82239	0.350978	2.241366	0.063316	53.40118	1.14E-10	5.57E-10
LOC114316856	6.399156	6.491585	6.911297	0.864336	0.779796	0.89856	2.853552	3.48632	1021.411	1.36E-50	1.5E-48
LOC114316857	1.26282	1.127739	1.172209	3.443371	2.773521	2.753051	-1.41804	1.558789	89.68226	3.95E-15	2.86E-14
LOC114316937	0.298511	0.37246	0.363445	0.07333	0.103927	0.099796	1.752536	-0.1233	33.57762	1.02E-07	3.72E-07
LOC114316929	6.780035	5.089536	5.342576	12.44939	13.91917	12.51876	-1.27551	2.068493	99.80956	3.31E-16	2.6E-15
LOC114316953	1.162028	1.011068	1.247751	0.096016	0.0756	0.29038	2.697101	-0.23547	55.98628	4.92E-11	2.48E-10
LOC114316965	0.302849	0.234443	0.298091	0.114693	0.126427	0.060701	1.381778	0.001269	24.14071	4.04E-06	1.23E-05
LOC114317020	0.305407	0.534936	0.559272	1.912271	1.21424	1.305893	-1.74229	-0.1535	37.02725	2.87E-08	1.11E-07
LOC114317015	280.4624	276.153	278.4558	88.10514	90.90229	92.52252	1.515165	7.860223	2689.937	1.36E-44	9.38E-43
LOC114317043	0	0	0	1.190811	1.529776	1.516355	-8.11156	-0.62991	135.378	1.99E-19	2.05E-18
LOC114317105	1.312606	1.303176	1.256123	0.07697	0.080805	0.077593	3.897083	0.658098	177.941	5.95E-23	8.2E-22
LOC114317121	4.667068	5.18312	5.081072	1.859484	2.013131	2.07956	1.211413	2.316255	101.0138	2.49E-16	1.97E-15
LOC114317154	3.328777	3.158762	2.890578	1.171185	0.960575	1.199111	1.391764	2.267008	123.581	1.61E-18	1.53E-17
LOC114317177	0	0	0	1.501539	1.750656	1.659238	-9.43054	0.656905	355.7918	1.66E-32	4.7E-31
LOC114317210	1.028948	1.572377	1.493939	0.200405	0.368181	0.505067	1.74551	-0.30756	27.68952	9.74E-07	3.18E-06
LOC114317226	1.808445	1.643764	1.739635	4.409645	4.480344	4.182472	-1.43431	3.68259	429.0941	7.99E-36	2.95E-34
LOC114317267	3.24851	3.22676	3.389008	12.60574	12.39884	11.89097	-2.00744	4.453891	1146.26	1.18E-52	1.53E-50
LOC114317274	0.711255	0.667393	0.755436	1.422227	1.323417	1.433737	-1.06935	0.477007	25.455	2.37E-06	7.42E-06
LOC114317275	271.6569	256.8117	269.7179	559.4954	538.0761	550.6246	-1.15159	9.020476	2437.298	6.87E-23	9.41E-22

LOC114317307	0.685966	0.813774	0.753699	3.874492	4.014929	4.764461	-2.60321	2.642329	502.0216	2.24E-38	9.96E-37
LOC114317283	7.771162	8.021118	8.116022	0.882911	0.666209	0.890057	3.189031	2.709103	613.4341	1.01E-41	5.75E-40
LOC114317287	3.383673	3.132674	3.676474	1.196011	1.264567	1.265975	1.3402	1.922707	94.40462	1.22E-15	9.18E-15
LOC114317336	3.341925	2.40326	2.869646	1.072063	0.924497	1.080739	1.385885	1.126316	56.50239	4.19E-11	2.12E-10
LOC114317329	1.000063	1.037169	1.243392	2.679065	2.448417	3.219193	-1.45803	1.185509	72.98723	3.28E-13	2.01E-12
LOC114317333	38.47786	36.73841	35.35464	9.544271	9.930323	9.690238	1.816076	5.202633	1570.844	2.24E-58	4.66E-56
LOC114317366	2.363814	3.078255	3.026327	5.455311	5.619231	5.904387	-1.11789	2.659899	114.4504	1.16E-17	1.02E-16
LOC114317404	0.389762	0.219436	0.374717	1.062777	0.836795	0.903975	-1.57919	-0.27577	29.43312	4.92E-07	1.66E-06
LOC114317408	12.04105	12.8629	12.72115	24.91918	26.55842	25.03598	-1.13166	4.235003	350.5856	1.23E-32	3.51E-31
LOC114317441	22.9875	20.27683	21.09185	9.763104	9.495879	9.531965	1.056322	4.945335	459.9043	6.06E-37	2.44E-35
LOC114317471	8.09767	6.703446	8.432235	0.718055	0.928825	0.853127	3.090882	2.211718	400.614	9.97E-35	3.37E-33
LOC114317536	4.25323	4.469852	4.361654	9.371651	9.481917	10.27415	-1.26391	3.063066	211.5092	2.97E-25	4.94E-24
LOC114317541	174.666	171.7236	181.2862	75.9666	75.54173	75.71341	1.109925	7.695709	1427.195	2.32E-26	4.18E-25
LOC114317552	0	0.016293	0	0.710198	0.693805	0.954594	-7.07301	0.744285	334.2701	2.29E-31	6.03E-30
LOC114317556	1.020415	0.89105	1.166935	3.066317	2.175865	2.604566	-1.43649	1.425011	81.7973	3.02E-14	2.02E-13
LOC114317604	1.221993	1.211577	1.336714	0.127778	0.131564	0.111472	3.236506	1.969108	373.1198	1.32E-33	4.05E-32
LOC114317615	7.947038	8.712173	8.654923	21.90245	18.34601	20.49953	-1.36534	4.235072	476.1801	2.84E-37	1.17E-35
LOC114317626	4.671265	4.354453	4.585607	1.252848	1.37007	1.420861	1.634183	1.268369	86.52968	8.81E-15	6.17E-14
LOC114317664	1.347432	1.195374	1.076713	0.630904	0.467532	0.561185	1.033729	0.474475	21.14851	1.4E-05	3.96E-05
LOC114317736	134.8461	137.477	131.6342	273.475	280.9198	286.0709	-1.16215	7.976416	1629.758	5.03E-27	9.45E-26
LOC114317738	0.890353	1.002535	0.782614	0.431601	0.226552	0.353513	1.316991	0.041309	23.07937	6.25E-06	1.86E-05
LOC114317743	1.172509	1.251087	1.171726	2.659191	2.253586	2.125641	-1.06344	3.277724	170.9826	2.48E-22	3.22E-21
LOC114317744	3.651178	3.629038	3.788829	7.415626	7.193678	7.24848	-1.08545	2.89711	138.6597	7.45E-20	7.9E-19
LOC114317721	0.471889	0.506044	0.370346	0.612721	0.93271	1.019172	-1.05781	-0.09217	15.81021	0.000142	0.00035
LOC114317791	0.761543	0.724437	0.692474	0.023868	0	0.054138	4.569302	-0.02552	113.3878	1.46E-17	1.28E-16
LOC114317798	0.068137	0.057541	0.131013	3.003617	2.486852	2.949886	-5.10108	1.378977	466.3246	3.61E-37	1.47E-35

LOC114317810	0.967885	1.053509	0.70897	1.642146	1.893278	2.438812	-1.24992	0.499602	33.27297	1.14E-07	4.15E-07
LOC114317835	23.06269	23.14102	23.23433	9.289718	10.75092	10.53551	1.071345	4.500326	339.1461	3.99E-32	1.11E-30
LOC114317838	0.039206	0.035316	0.025846	2.166576	2.020132	1.91828	-5.96739	2.018084	798.9972	2.9E-46	2.26E-44
LOC114317876	3.611891	3.567323	3.775778	1.069283	1.122557	1.035386	1.655908	2.79094	251.9688	1.04E-27	2.07E-26
LOC114317882	16.28383	15.79552	16.10486	5.035239	4.715446	5.032728	1.600147	4.893901	991.0768	4.67E-50	4.87E-48
LOC114317885	1.992077	2.213167	2.422248	0.844956	0.817356	0.967395	1.217779	1.838118	73.96661	2.5E-13	1.55E-12
LOC114317886	101.682	101.9579	100.2646	44.45596	45.20131	45.29178	1.065301	5.876149	844.898	2.87E-45	2.06E-43
LOC114317905	7.460468	6.402965	6.862091	27.78623	27.86046	30.4938	-2.1593	4.495863	1284.059	1.05E-54	1.59E-52
LOC114317906	0.029298	0.03299	0.11267	2.050487	1.530615	1.711383	-4.97165	0.920265	318.0666	3.8E-31	9.83E-30
LOC114318002	5.138912	5.709508	5.60882	10.552	10.58085	11.33352	-1.08985	3.867088	284.6501	1.75E-29	4E-28
LOC114317981	1.405189	1.054826	1.157954	2.625337	3.072719	2.092232	-1.19595	0.605322	32.98738	1.27E-07	4.59E-07
LOC114318040	3.070545	2.576122	2.249157	0.437781	0.603214	0.579237	2.154825	0.761701	89.50837	4.13E-15	2.98E-14
LOC114318044	2.991825	3.271845	3.807526	6.41677	7.147225	7.395618	-1.17298	2.879462	149.3518	9.52E-21	1.08E-19
LOC114317984	1.353879	1.088904	1.423811	0.457063	0.387559	0.505067	1.409165	0.537585	38.60193	1.63E-08	6.47E-08
LOC114317985	1.944852	2.031593	1.699214	0.127785	0.100614	0.06441	4.162616	0.482597	161.273	1.07E-21	1.32E-20
LOC114318065	0.630945	0.868319	0.66757	0.361076	0.284299	0.321175	1.060892	0.522565	22.43902	8.15E-06	2.38E-05
LOC114318073	14.75555	13.81154	14.47447	0.141422	0.445402	0.178208	5.647257	3.072136	1275.738	1.38E-54	2.05E-52
LOC114318135	0.338307	0.244885	0.292059	0.922473	0.622563	0.863514	-1.53138	-0.45465	24.41844	3.61E-06	1.1E-05
LOC114318107	0.068291	0.057672	0.056276	1.272447	1.172935	1.126313	-4.32429	0.168452	178.9063	5.07E-23	7.01E-22
LOC114318109	14.17179	13.87085	12.86412	1.301487	1.296004	1.910147	3.055778	3.422281	991.4763	6E-49	5.73E-47
LOC114318111	2.485236	1.8889	2.730633	0.7906	0.800347	0.426963	1.725737	-0.25809	28.83482	6.21E-07	2.08E-06
LOC114318128	2.095171	1.561207	1.55727	0.05601	0.0882	0.127041	4.053072	0.020555	108.6253	4.26E-17	3.59E-16
LOC114318153	3.262219	2.537194	2.660538	0.061135	0.048136	0	6.075647	0.488162	199.9271	1.72E-24	2.68E-23
LOC114318174	0.320002	0.220196	0.244166	0.452438	0.458016	0.586414	-1.0353	0.431305	22.47603	8.02E-06	2.35E-05
LOC114318168	14.13118	14.5595	14.69803	43.35479	41.77076	44.0639	-1.67956	4.982066	1248.847	3.35E-54	4.87E-52
LOC114318169	25.79906	25.9604	26.05396	4.73591	4.817867	5.054144	2.305207	5.302749	2558.134	2.07E-67	8.33E-65

LOC114318203	5.86264	6.275329	5.381194	2.412131	2.34814	2.055851	1.262006	2.356649	109.0509	3.87E-17	3.28E-16
LOC114318212	2.835528	3.463374	3.326734	0.305774	0.240757	0.330267	3.332998	1.200454	220.6657	7.75E-26	1.34E-24
LOC114318273	16.13172	16.63093	15.53779	39.54375	37.78231	38.87198	-1.37083	4.587053	613.4156	1.01E-41	5.75E-40
LOC114318311	2.220242	1.907207	1.999361	0.665732	0.655219	0.880845	1.359221	1.899244	93.18688	1.65E-15	1.23E-14
LOC114318320	4.854574	4.639111	3.895167	0.174173	0.137138	0.131687	4.812768	2.14016	580.3561	8.66E-41	4.6E-39
LOC114318321	0	0.036308	0.017715	0.732709	0.669216	0.598297	-5.16598	-0.59375	112.5538	1.76E-17	1.54E-16
LOC114318339	1.122987	0.885137	0.740324	1.973344	2.46456	1.594881	-1.22322	0.300681	27.29282	1.14E-06	3.69E-06
LOC114318328	15.55344	15.43768	15.70114	3.237696	2.904963	2.874888	2.273769	3.740047	896.6157	2.77E-48	2.48E-46
LOC114318375	42.85349	44.42334	41.97284	17.03908	17.13509	17.33279	1.221766	6.04176	1164.132	6.19E-53	8.24E-51
LOC114318378	21.83822	21.91971	21.44555	8.590077	8.932281	8.388984	1.225598	5.722412	985.1376	5.98E-50	6.15E-48
LOC114318384	101.2226	96.15173	99.2865	30.24187	28.16462	28.60638	1.664504	7.274767	2768.787	7.36E-64	2.32E-61
LOC114318354	3.658181	4.328549	4.155646	1.465236	0.443722	1.363472	1.804115	0.429495	50.23709	3.31E-10	1.55E-09
LOC114318531	3.252504	5.385753	5.045169	0.695585	0.82152	1.314776	2.102367	-0.04136	44.86522	1.84E-09	8E-09
LOC114318475	2.497381	1.485609	1.915606	0.342626	0.505823	0.841909	1.653472	0.785194	51.96789	1E-09	4.47E-09
LOC114318495	3.27149	3.482238	2.723974	0.046461	0.365817	0.105383	3.992359	1.055206	212.8351	1.79E-23	2.6E-22
LOC114318505	2.510104	1.957779	2.327445	0.734519	0.946367	0.858264	1.303363	1.964435	88.84402	4.89E-15	3.51E-14
LOC114318539	3.570032	2.452789	3.257705	0.934954	1.169182	0.997963	1.468593	1.104822	60.56128	1.21E-11	6.42E-11
LOC114318518	4.025051	4.36071	4.446397	2.531225	1.930721	1.345629	1.068979	2.125161	62.03755	2.28E-11	1.18E-10
LOC114318487	3.343403	3.837061	3.390956	1.051911	1.44175	1.914655	1.120577	1.844427	59.80191	2.05E-11	1.07E-10
LOC114318489	11.08658	11.08192	11.6088	3.788632	2.94161	3.779509	1.58362	2.94257	255.4346	6.65E-28	1.34E-26
LOC114318521	0.221468	0.420816	0.30417	3.17039	2.852867	2.701422	-3.30952	1.83629	399.808	1.07E-34	3.62E-33
LOC114318567	0.799751	1.029164	0.690423	0.389412	0.143085	0.314051	1.494657	0.353793	33.98286	1.02E-07	3.73E-07
LOC114318584	0.981141	0.946067	0.97677	0.423714	0.380169	0.506611	1.035981	1.991143	61.16133	1.01E-11	5.4E-11
LOC114318588	1.181044	1.253861	1.575733	0.552067	0.482977	0.347834	1.446653	0.763513	46.16833	1.18E-09	5.25E-09
LOC114318571	0.900852	0.887562	0.816588	0.081879	0.064469	0.030953	3.747628	-0.44953	70.64416	6.33E-13	3.77E-12
LOC114318598	0.465182	0.611094	0.709883	1.785195	1.997435	2.095636	-1.83613	0.619654	74.80482	1.98E-13	1.24E-12

LOC114318614	0.834358	0.801035	0.714095	0	0.012571	0	6.985	0.559583	223.8201	4.93E-26	8.64E-25
LOC114318661	37.43355	36.89593	36.7092	76.11519	80.05581	79.23949	-1.18988	6.41066	1228.678	1.09E-47	9.41E-46
LOC114318670	0.433009	0.509729	0.497391	0	0.014086	0.027051	4.764991	-0.19455	103.1482	1.51E-16	1.22E-15
LOC114318676	0	0.037575	0	1.759182	1.910512	2.018029	-6.89134	-0.17829	180.8208	3.68E-23	5.17E-22
LOC114318700	52.04696	49.72727	52.49664	97.73707	99.80662	99.04405	-1.04874	6.858091	1092.521	3.25E-32	9.09E-31
LOC114318762	2.537227	2.468936	2.237089	0.189804	0.164389	0.157855	3.718924	1.927454	418.7943	1.96E-35	6.97E-34
LOC114318720	3.236044	3.069133	3.530089	0.147591	0.315422	0.382591	3.371004	2.225418	432.1563	1.3E-35	4.71E-34
LOC114318738	2.567766	2.749568	1.908534	0	0.036032	0.069199	5.74022	0.664397	214.8208	2.42E-25	4.05E-24
LOC114318739	28.37777	30.38465	30.46692	8.846239	9.532807	10.36042	1.522945	4.93747	874.1924	2.86E-47	2.36E-45
LOC114318741	1.774358	1.705124	1.915948	0.889784	0.613012	0.861946	1.093073	1.394728	45.1264	1.68E-09	7.34E-09
LOC114318788	0.355056	0.469322	0.237462	0.729616	0.773332	0.55164	-1.0461	0.094376	17.12555	7.92E-05	0.000202
LOC114318807	0.497319	0.479983	0.57988	0.184497	0.203374	0.306885	1.025866	0.2738	17.77352	5.96E-05	0.000155
LOC114318814	2.573679	2.877832	2.552882	0.64979	1.12557	1.105395	1.33063	1.65351	73.9389	2.52E-13	1.56E-12
LOC114318833	0.9683	0.915855	1.404363	0	0.027718	0	6.325509	-0.02917	130.8742	3.55E-19	3.56E-18
LOC114318846	0.7712	0.893909	1.009342	0.020616	0.06493	0.046762	4.119593	0.444427	152.4094	5.38E-21	6.25E-20
LOC114318847	5.720088	5.160069	5.43363	1.408388	1.887519	1.608587	1.615302	2.699304	216.8632	1.35E-25	2.29E-24
LOC114318886	1.718805	1.384158	1.733138	0.197752	0.108992	0.149514	3.321124	1.345646	241.7917	4.05E-27	7.67E-26
LOC114318894	0.152698	0.128039	0.135648	0	0	0	8.054467	-0.39048	109.8422	4.2E-17	3.54E-16
LOC114318931	2.179334	3.020216	1.657748	0.152371	0.299929	0.518413	2.621126	0.071765	63.77487	9.28E-12	4.99E-11
LOC114318907	3.727203	3.343231	2.707019	13.78045	11.66404	13.80515	-2.09838	1.989192	231.5234	1.66E-26	3.02E-25
LOC114318999	5.320684	5.105378	5.564997	2.383138	2.388981	2.399495	1.050619	4.17617	287.5919	1.23E-29	2.84E-28
LOC114319020	1.616218	1.637872	2.071774	0.065289	0	0.074044	5.098809	0.718099	210.9067	3.5E-25	5.79E-24
LOC114319023	1.021851	1.225641	1.452253	3.816038	4.196929	3.495813	-1.74754	2.808593	277.3342	1.15E-27	2.27E-26
LOC114319058	1.628266	2.214395	1.858746	5.150988	5.417709	5.84176	-1.64073	2.419977	196.0104	3.17E-24	4.83E-23
LOC114319104	1.648891	2.042313	2.491095	0	0	0	8.268273	-0.19824	124.4641	1.81E-18	1.71E-17
LOC114319083	1.684696	1.016929	1.393055	3.283481	2.759313	3.437364	-1.3025	1.999045	93.28487	4.35E-15	3.13E-14

LOC114319087	14.52164	15.61479	14.7417	31.73543	30.54248	28.50934	-1.12091	5.570015	729.9548	2E-41	1.12E-39
LOC114319092	17.00945	18.95816	16.41216	0	0	0	10.28762	1.65014	534.4594	6.23E-39	2.91E-37
LOC114319093	16.39822	14.65927	17.65809	0.028309	0	0	10.52811	3.943076	2785.07	9.22E-63	2.57E-60
LOC114319139	1.779377	1.494523	1.44561	0.547878	0.539226	0.398302	1.577131	2.439217	161.6059	1.55E-21	1.89E-20
LOC114319171	78.5928	72.85505	72.94488	7.760433	7.779461	8.557859	3.110549	5.868019	5267.424	4.74E-81	6.56E-78
LOC114319178	1.50544	1.361656	1.355812	0	0	0.033919	6.342631	-0.01665	139.0444	6.91E-20	7.34E-19
LOC114319179	38.84003	42.53742	41.41047	16.47075	15.08065	16.95559	1.234762	4.850425	556.1854	4.47E-40	2.26E-38
LOC114319229	0.012116	0	0.013313	1.057222	1.127237	1.49875	-6.9766	0.645771	322.2512	2.41E-31	6.31E-30
LOC114319240	4.622943	3.305634	4.70866	1.840223	1.400632	1.994249	1.170609	1.455492	50.64319	2.93E-10	1.38E-09
LOC114319241	9.413831	8.053886	8.822285	0.167771	0.264195	0.19027	5.233263	1.595832	438.974	3.44E-36	1.31E-34
LOC114319244	8.110972	7.029593	9.830055	30.73963	29.62096	31.41629	-1.98234	3.604232	669.4799	5.33E-42	3.11E-40
LOC114319271	0.990756	0.462561	0.955831	1.888872	2.109798	2.092361	-1.43304	0.864708	53.48056	1.27E-10	6.19E-10
LOC114319292	4.855324	5.720416	5.406515	1.385264	1.381567	1.346601	1.850752	3.784868	616.514	4.07E-41	2.2E-39
LOC114319350	8.263297	7.955308	7.626552	3.304663	3.449596	3.747834	1.071865	3.6426	225.3404	3.96E-26	7.01E-25
LOC114319352	0.571539	0.575089	0.614613	0.176844	0.087025	0.233986	1.703942	0.047577	35.77652	4.52E-08	1.72E-07
LOC114319335	2.212332	2.276333	2.221231	5.547068	4.53136	4.875491	-1.25	1.541093	71.08492	5.59E-13	3.35E-12
LOC114319405	36.89777	38.77146	38.44381	10.24127	10.74266	10.64678	1.743361	5.280822	1533.412	6.19E-58	1.26E-55
LOC114319407	2.898143	2.776848	2.709631	0.261779	0.128823	0.074221	4.130248	1.361246	300.3912	2.76E-30	6.68E-29
LOC114319415	4.894862	4.5045	4.458001	0.502544	0.721546	0.502886	2.886978	3.25598	809.3409	5.31E-46	4.08E-44
LOC114319416	4.165137	3.637092	3.969335	0.69534	0.790815	1.05145	2.079351	0.844598	92.47601	1.97E-15	1.45E-14
LOC114319423	0.824849	0.800965	0.881352	0.275125	0.324936	0.208013	1.52988	1.196589	71.04854	5.65E-13	3.38E-12
LOC114319433	0.920647	0.79742	0.836477	1.995413	2.356682	1.849339	-1.3803	1.347223	73.9073	2.54E-13	1.57E-12
LOC114319445	0.81004	0.228026	0.623017	2.429638	2.724598	1.892642	-2.14519	0.161015	63.60277	9.06E-12	4.88E-11
LOC114319469	6.347474	6.698486	6.632465	0.05301	0.041739	0.053439	6.910858	3.337454	1862.979	1.63E-61	4.11E-59
LOC114319519	12.43497	12.73717	12.88973	5.509706	6.061801	5.430316	1.054847	4.34354	304.9721	1.64E-30	4.03E-29
LOC114319559	1.594967	1.744617	1.464553	0.745551	0.619634	0.720269	1.102173	1.639908	54.39005	8.12E-11	4.01E-10

LOC114319560	6.776049	5.969209	6.021795	1.412907	1.283625	1.588688	2.022027	2.546497	280.3078	2.95E-29	6.61E-28
LOC114319563	2.58186	2.269981	1.981872	4.629068	4.606587	3.742946	-1.01621	1.524135	45.85116	1.32E-09	5.81E-09
LOC114319565	1.813011	1.372696	1.545541	3.523021	3.400275	4.768793	-1.41257	1.434125	79.2992	5.86E-14	3.83E-13
LOC114319591	2.072578	1.907561	2.039605	0	0	0	9.429934	0.845564	298.1117	7.34E-30	1.72E-28
LOC114319608	0.761451	1.054171	0.91893	0	0	0	8.814019	0.288951	185.0064	2.93E-23	4.17E-22
LOC114319642	0.748658	0.716539	1.110486	1.29288	2.67887	1.903568	-1.32554	0.256525	29.28151	6.29E-07	2.1E-06
LOC114319638	37.75579	39.13707	38.91554	0.184746	0.145463	0.209522	7.578894	3.500715	2176.644	2.13E-64	6.97E-62
LOC114319643	0.761009	0.843073	1.051933	0	0.070273	0.05061	4.181518	0.327892	134.5158	2.2E-19	2.25E-18
LOC114319656	0.76227	0.885137	0.994576	2.511528	2.011588	1.898891	-1.37114	0.968306	55.48893	5.75E-11	2.88E-10
LOC114319657	1.861941	1.976051	1.881189	0.466852	0.551375	0.558873	1.732853	0.857944	70.61683	6.38E-13	3.8E-12
LOC114319658	0.012514	0	0.01375	1.137402	1.271685	1.496323	-7.01233	0.682688	337.4555	4.76E-32	1.31E-30
LOC114319660	0.324374	0.290322	0.383819	0.89204	0.761885	1.017382	-1.52344	1.182117	78.55	7.16E-14	4.63E-13
LOC114319652	0.095208	0.142939	0.139479	1.874947	1.907796	1.592063	-3.91648	0.886104	266.0629	1.71E-28	3.61E-27
LOC114319662	4.576231	4.368701	4.24109	1.826513	1.865304	1.736469	1.17675	3.232017	199.0084	1.99E-24	3.07E-23
LOC114319673	1.780146	1.365344	1.644107	0.656577	0.590819	0.67371	1.214237	0.486759	28.74573	6.43E-07	2.15E-06
LOC114319670	0.474128	0.474549	0.376238	1.197056	0.86712	1.520498	-1.53477	-0.02208	33.18798	1.18E-07	4.28E-07
LOC114319705	0.975437	0.777286	0.725494	0.081839	0.171832	0.061876	2.833567	0.069363	75.679	1.56E-13	9.82E-13
LOC114319730	1.829189	1.897058	2.24781	0.568774	0.516731	0.330794	1.987252	0.71534	76.25742	1.33E-13	8.44E-13
LOC114319731	2.277909	2.418354	2.312142	6.42815	7.172776	6.082616	-1.59625	2.654022	226.7966	3.22E-26	5.76E-25
LOC114319758	0.452628	0.390377	0.253951	0.035013	0.165407	0.158832	1.424445	-0.21015	19.89611	2.74E-05	7.48E-05
LOC114319787	6.626867	7.148972	7.174363	3.055811	2.883274	2.883234	1.143932	3.425293	220.8771	7.52E-26	1.3E-24
LOC114319789	1.703832	2.192584	1.711608	0.530959	1.045149	0.535256	1.268897	-0.16331	18.1471	5.06E-05	0.000133
LOC114319791	3.057021	2.573453	2.799063	1.243736	1.333482	1.140426	1.078401	2.090424	69.75203	8.16E-13	4.82E-12
LOC114319792	0.314422	0.315764	0.40149	0.108133	0.218933	0.046718	1.345638	-0.10962	19.36188	3.4E-05	9.15E-05
LOC114319803	1.883343	1.45794	1.784778	3.808734	2.661918	3.300294	-1.01522	1.694805	50.11486	3.2E-10	1.5E-09
LOC114319859	37.66686	36.85435	37.65883	16.03342	15.70488	14.69477	1.169194	5.074447	645.1719	1.4E-42	8.53E-41

LOC114319870	1.343531	1.03427	1.17493	0.373821	0.235468	0.32032	1.847973	0.800287	72.81744	3.44E-13	2.1E-12
LOC114319868	3.361043	3.741027	4.074944	0.210682	0.608241	0.265484	3.197896	0.77114	148.765	1.06E-20	1.2E-19
LOC114319889	0.808565	0.812895	0.729761	0	0	0	8.395182	-0.08984	140.9172	6.77E-20	7.2E-19
LOC114319914	1.122489	1.068314	1.152572	0.449392	0.468594	0.376504	1.267763	1.832309	80.31795	4.46E-14	2.95E-13
LOC114319915	7.708567	8.841691	7.97615	1.894504	1.826009	1.753427	2.059157	3.064488	433.3868	5.53E-36	2.07E-34
LOC114319968	0.603598	0.731931	0.918275	1.688052	1.794306	1.659171	-1.29638	-0.23079	21.38287	1.27E-05	3.61E-05
LOC114319929	0.760563	0.513835	0.584963	0.193559	0.13063	0.125438	1.970478	-0.20933	37.14145	2.75E-08	1.07E-07
LOC114319989	1.817856	1.76261	2.219283	5.048599	4.46295	4.563161	-1.37918	3.005881	224.8261	4.27E-26	7.53E-25
LOC114320016	16.46551	13.5001	18.35481	32.83732	28.02865	30.375	-1.0168	4.149997	192.4783	3.48E-15	2.53E-14
LOC114320035	0.848831	0.75666	0.88407	0.385756	0.354353	0.303811	1.159676	1.066905	40.38512	8.64E-09	3.53E-08
LOC114320073	2.25408	1.692059	1.520751	0	0.169802	0	4.696885	-0.25834	90.77616	5.16E-15	3.69E-14
LOC114320101	13.69367	12.41045	13.21095	5.05948	6.426979	6.120511	1.040625	2.950919	120.2423	3.28E-18	3.05E-17
LOC114320123	0.12311	0.095969	0.145671	0.344295	0.393075	0.416497	-1.76369	-0.22761	37.87614	2.11E-08	8.29E-08
LOC114320133	5.577407	3.88148	5.745121	2.60509	2.383781	2.12933	1.003173	1.571708	41.04985	7.41E-09	3.05E-08
LOC114320144	75.15853	78.43409	74.95706	2.866254	2.357094	2.744978	4.741168	5.044482	5227.813	6.6E-81	8.75E-78
LOC114320160	1.595739	1.46251	1.325172	0.303569	0.451482	0.331528	1.886621	0.664968	68.90523	1.04E-12	6.07E-12
LOC114320169	8.538715	7.848632	7.761744	0.462975	0.191859	0.331618	4.544604	3.22023	1242.209	5.96E-53	8E-51
LOC114320170	8.390583	7.661179	8.199666	0.07333	0.019246	0.055442	7.24274	3.171956	1597.966	1.09E-58	2.29E-56
LOC114320194	4.944297	4.551618	4.624971	2.095141	1.57792	1.744775	1.292057	2.564286	131.5612	3.08E-19	3.11E-18
LOC114320195	2.438338	2.479202	2.499164	11.80887	12.03259	13.17992	-2.42807	3.648312	1039.023	6.74E-51	7.73E-49
LOC114320204	17.85608	18.57796	18.24659	4.307007	3.267877	3.670848	2.188991	3.924704	888.3763	4.02E-48	3.53E-46
LOC114320225	3.223996	3.140245	3.531473	0.305617	0.49542	0.516504	2.765258	2.516688	419.8835	1.78E-35	6.36E-34
LOC114320209	6.97161	6.714684	7.628346	0	0	0	10.57451	1.921323	653.8635	2.92E-42	1.73E-40
LOC114320234	1.278913	1.326791	1.626237	0.44407	0.431915	0.276498	1.783644	0.983039	77.01021	1.09E-13	6.92E-13
LOC114320235	1.246242	1.290182	1.324156	0.033193	0.013068	0.056467	5.08149	2.142391	599.6909	2.43E-41	1.35E-39
LOC114320239	8.54379	7.805684	7.785374	2.929516	2.929019	3.691531	1.222795	2.733126	136.4071	1.16E-19	1.22E-18

LOC114320303	0.478309	0.633618	0.772851	1.483232	1.32893	1.314776	-1.23236	0.166384	25.80196	2.06E-06	6.5E-06
LOC114320491	4.25503	4.552449	4.225963	2.064471	1.733862	1.498449	1.209671	2.613457	119.007	4.28E-18	3.93E-17
LOC114320538	0.651535	0.886466	0.775524	2.862237	2.001068	2.499852	-1.76694	1.864214	152.0329	8.63E-21	9.86E-20
LOC114320621	11.49296	12.02649	11.84693	5.278406	5.289505	5.776954	1.003156	3.673049	206.0384	6.75E-25	1.09E-23
LOC114320606	2.317961	2.132128	2.206066	0	0.023364	0	7.591716	1.116834	351.6873	1.1E-32	3.16E-31
LOC114320630	0.25046	0.334896	0.206393	0.483748	0.716963	0.817552	-1.48299	-0.06079	30.22555	3.63E-07	1.24E-06
LOC114320662	0.119815	0.053965	0.118481	0.958331	0.943197	0.872771	-3.30808	0.391831	154.2852	3.8E-21	4.48E-20
LOC114320652	2.854293	3.140326	2.537632	0.435684	0.249486	0.149731	3.302032	1.177465	204.4124	8.65E-25	1.38E-23
LOC114320654	0.898018	0.898814	0.840513	3.385793	3.332325	2.788458	-1.94048	0.90785	101.3549	2.3E-16	1.83E-15
LOC114320691	19.60533	18.23798	18.31557	7.391562	7.872518	7.304518	1.208871	4.537688	439.1809	3.38E-36	1.29E-34
LOC114320698	1.326901	1.59048	1.787129	0.622469	0.490111	0.47063	1.468894	-0.26534	22.28395	8.69E-06	2.53E-05
LOC114320768	1.619882	1.720348	1.678705	0.83655	0.658671	0.708389	1.092206	1.04072	35.71686	4.62E-08	1.75E-07
LOC114320778	0.057343	0	0.031502	1.511457	1.231108	1.379202	-5.38029	-0.40031	134.9699	1.55E-19	1.61E-18
LOC114320792	406.417	395.1572	401.4853	53.98977	48.88275	54.68032	2.828036	8.110152	8638.08	4.38E-87	1.07E-83
LOC114320806	0.093293	0.157571	0.205009	2.883016	1.869403	2.05154	-3.92912	-0.32347	108.8128	4.08E-17	3.45E-16
LOC114320821	140.1552	139.1315	140.8781	23.60323	24.73668	25.4676	2.402371	6.765563	4884.326	1.29E-79	1.58E-76
LOC114320854	3.31542	2.737648	3.56184	0.669649	0.421807	0.607562	2.392424	-0.18858	51.15252	2.29E-10	1.09E-09
LOC114320891	31.03151	30.72821	33.0541	15.87091	13.85295	14.33085	1.006781	3.799647	224.1887	4.67E-26	8.21E-25
LOC114320897	0.259409	0.315777	0.2311	0.012745	0.030105	0.019272	3.486322	-0.44609	64.95547	3.26E-12	1.83E-11
LOC114320869	1.193743	1.15213	1.011818	2.542014	2.977836	2.976663	-1.44981	1.834468	112.4279	1.81E-17	1.58E-16
LOC114320962	1.922642	1.960656	2.046057	0.549532	0.553834	0.747871	1.555606	1.727861	106.9877	6.19E-17	5.15E-16
LOC114320963	16.59464	16.12085	16.33684	1.594457	1.417412	1.691617	3.27574	4.226881	1902.409	6.68E-62	1.76E-59
LOC114320964	1.861907	1.903404	1.830412	6.457487	7.188301	7.811696	-2.05069	2.50056	313.0892	6.59E-31	1.68E-29
LOC114320965	4.748022	4.73753	4.519549	10.04108	11.00113	12.0499	-1.35328	3.354826	301.0637	2.56E-30	6.21E-29
LOC114320947	3.177815	2.919068	2.695268	10.08389	8.378594	10.30597	-1.80798	2.78421	307.9816	1.17E-30	2.91E-29
LOC114320997	0.827809	0.889742	0.978453	0.171001	0.206449	0.293054	1.865696	1.478507	118.8928	4.38E-18	4.03E-17

LOC114321001	1.15376	0.917034	1.00669	2.035643	2.137063	2.052117	-1.11349	0.518307	28.23071	7.87E-07	2.6E-06
LOC114321039	25.45943	26.51423	25.79461	10.70657	11.26815	11.12848	1.125253	5.544063	769.319	1.32E-45	9.71E-44
LOC114321076	3.307334	3.342097	3.292257	6.371844	7.525464	7.265188	-1.20246	2.492158	119.3236	3.99E-18	3.69E-17
LOC114321063	2.289554	1.829572	1.947584	8.055485	7.505432	6.395034	-1.93774	0.961583	104.0654	1.22E-16	9.9E-16
LOC114321117	2.517893	2.225434	2.290554	5.16767	4.998873	4.614121	-1.16789	2.043021	85.83289	1.05E-14	7.31E-14
LOC114321176	8.063891	8.501424	8.099291	0.893329	0.703377	0.583316	3.415491	2.596592	596.6788	2.96E-41	1.62E-39
LOC114321136	1.920495	1.596111	1.833802	0.124683	0.065447	0.031423	4.513658	0.425166	163.1718	7.62E-22	9.52E-21
LOC114321181	0.433402	0.393119	0.595246	1.094233	1.24065	1.389892	-1.50579	1.140668	73.96987	2.5E-13	1.55E-12
LOC114321188	5.143806	4.639294	4.59729	2.51208	2.014556	1.93448	1.06706	3.034944	131.8605	2.9E-19	2.94E-18
LOC114321207	0.265801	0.346548	0.215193	0.584902	0.580671	0.499908	-1.10558	-0.07638	17.49264	6.74E-05	0.000174
LOC114321223	1.254629	1.261347	1.52621	0.407266	0.673402	0.369506	1.353145	0.41034	31.75579	2.02E-07	7.13E-07
LOC114321251	0.338973	0.473813	0.539401	1.593599	1.589345	1.429781	-1.87836	1.386952	129.1001	5.1E-19	5.05E-18
LOC114321262	0.148441	0.111429	0.326196	1.798926	1.770518	1.768148	-3.24578	-0.6542	69.35634	9.13E-13	5.36E-12
LOC114321288	4.188733	4.030467	4.211834	2.076646	1.853092	1.639871	1.064767	1.861241	59.54026	1.64E-11	8.65E-11
LOC114321291	3.185213	3.057592	2.85769	0.770631	1.279135	1.275533	1.316383	2.460208	116.822	2.6E-17	2.23E-16
LOC114321265	0.946893	0.815329	1.22399	2.025039	2.232227	2.066945	-1.18502	-0.16127	19.04144	3.43E-05	9.23E-05
LOC114321317	0.680342	0.95758	0.882489	0.068708	0.162295	0.168831	2.475398	0.732379	102.1406	2.3E-16	1.83E-15
LOC114321381	0	0	0	4.746249	6.15512	6.332639	-10.2967	1.523843	634.7724	3.49E-41	1.92E-39
LOC114321357	0.85275	0.707512	0.808737	0	0.064239	0.012337	4.687944	0.575045	177.4357	1.07E-22	1.44E-21
LOC114321398	1.107206	0.912068	1.082075	0.413134	0.408695	0.408468	1.229733	1.927969	80.451	4.31E-14	2.85E-13
LOC114321371	13.6692	13.77133	13.20298	4.13547	3.979714	3.91506	1.652416	5.742685	1745.588	2.59E-60	6.09E-58
LOC114321487	2.988736	3.484085	3.206582	7.734018	7.247016	7.29724	-1.30666	2.215951	118.4326	4.84E-18	4.42E-17
LOC114321488	3.099445	3.150665	3.121698	6.690656	6.500278	6.212319	-1.15203	2.76999	139.7222	6.05E-20	6.45E-19
LOC114321489	0.704167	0.628844	0.613622	2.118703	1.911474	1.735378	-1.65139	0.71233	66.91957	1.84E-12	1.05E-11
LOC114321491	26.79426	26.41032	27.98124	10.38502	11.45905	13.21535	1.09383	3.852393	260.4676	3.48E-28	7.15E-27
LOC114321557	1.922028	1.65066	1.77774	0.059219	0.077711	0.074622	4.508049	1.418839	351.093	1.17E-32	3.34E-31

LOC114321560	2.063183	1.80612	1.849848	0.089033	0.061339	0.100972	4.391931	2.304144	620.9107	6.28E-42	3.65E-40
LOC114321586	21.45566	20.49699	21.71132	4.230881	4.191644	4.025032	2.250248	4.607901	1396.407	3.16E-56	5.46E-54
LOC114321578	13.01953	13.04562	11.87834	2.324455	2.606645	2.29001	2.2852	4.114683	1029.111	9.99E-51	1.12E-48
LOC114321640	1.243293	1.14206	1.150364	0.237904	0.140488	0.269808	2.323701	-0.42085	40.98792	6.99E-09	2.88E-08
LOC114321608	48.44459	48.16029	48.26362	12.10412	13.42032	14.89462	1.72804	4.75544	931.4511	5.88E-49	5.63E-47
LOC114321610	1.097139	0.979781	1.24704	0.171931	0.243671	0.233986	2.21225	0.217991	63.00355	5.8E-12	3.17E-11
LOC114321617	0.321939	0.338336	0.2594	2.887123	3.041204	3.303797	-3.42367	1.275604	305.809	1.49E-30	3.68E-29
LOC114321632	1.6763	1.527984	1.359439	0.145105	0.057126	0.164565	3.484679	-0.4495	65.36326	2.89E-12	1.63E-11
LOC114321719	5.83613	5.337643	5.941285	1.342369	0.988747	0.982185	2.284017	2.126016	255.2356	6.82E-28	1.37E-26
LOC114321787	55.90502	55.5741	55.3281	23.03605	21.74628	24.4386	1.163757	6.454729	1140.403	2.62E-44	1.79E-42
LOC114321822	1.458434	1.28849	1.50383	0.774958	0.224802	0.524246	1.424536	0.468179	34.29199	8.94E-08	3.29E-07
LOC114321811	6.105478	5.860966	7.048398	2.352713	2.69813	3.557631	1.015732	2.319537	68.43517	1.38E-12	7.94E-12
LOC114321814	0.119789	0.104908	0.07312	0.725848	0.628659	0.548791	-2.73061	-0.21711	76.47533	1.26E-13	7.97E-13
LOC114321866	0.418993	0.484536	0.348384	1.029262	1.11836	1.027215	-1.44779	1.012546	64.40218	3.83E-12	2.13E-11
LOC114321851	0.603964	0.340031	0.5451	1.097899	0.987941	1.274778	-1.26631	0.241546	28.44898	7.22E-07	2.4E-06
LOC114321862	2.695169	2.781858	2.899601	0.612417	0.83045	0.92606	1.68638	1.571113	110.3328	2.9E-17	2.48E-16
LOC114321914	1.001742	0.975533	0.981666	0.147648	0.116253	0.074421	3.018088	-0.47488	55.21281	6.27E-11	3.13E-10
LOC114321957	1.347286	1.456088	1.394408	0.481078	0.318524	0.380262	1.744331	2.184871	170.1535	2.24E-22	2.92E-21
LOC114321986	3.698426	3.968776	4.363614	0	0	0	9.962794	1.344036	428.7959	2.12E-35	7.51E-34
LOC114321965	77.24301	72.5808	73.10413	165.3882	165.8062	169.2557	-1.27195	6.472763	1430.25	1.02E-52	1.33E-50
LOC114321993	1.312936	1.478363	1.583317	0.232847	0.091668	0.132037	3.169619	-0.20581	71.45828	5.03E-13	3.03E-12
LOC114322077	1.7358	2.071777	2.250491	4.038879	4.521673	4.055661	-1.17068	1.467385	59.08116	1.89E-11	9.91E-11
LOC114322094	4.924696	4.681601	4.679158	1.577645	1.964385	1.747605	1.317336	2.301887	116.3517	7.61E-18	6.86E-17
LOC114322102	2.503673	1.862639	2.210536	1.056535	1.023853	0.614473	1.206475	0.182388	21.95149	9.98E-06	2.88E-05
LOC114322139	4.288766	4.134755	4.188664	17.07014	17.37229	20.26468	-2.22608	3.622687	855.0202	1.89E-47	1.6E-45
LOC114322141	5.95662	7.162376	7.077846	1.665857	2.237503	1.741079	1.718333	2.284455	172.8034	1.42E-22	1.89E-21

LOC114322142	18.56285	17.57008	18.59917	41.89685	41.25751	41.07301	-1.28768	5.872204	1245.992	3.69E-54	5.33E-52
LOC114322166	0.242686	0.273264	0.28887	0.919082	0.694708	0.750481	-1.63552	-0.26911	31.92858	1.89E-07	6.71E-07
LOC114322167	2.767714	2.804796	2.166715	5.911672	6.73439	5.753468	-1.35356	1.952953	103.5346	1.38E-16	1.12E-15
LOC114322168	0.826519	0.465329	0.756775	1.502463	1.429445	1.183299	-1.082	-0.07078	16.72056	9.47E-05	0.000239
LOC114322171	2.756026	2.612454	2.672815	0.332293	0.362266	0.328541	2.860029	1.731657	277.0205	4.39E-29	9.73E-28
LOC114322205	1.832072	1.724223	1.562308	0.049707	0.078276	0.150328	3.980078	0.151771	119.9612	3.48E-18	3.23E-17
LOC114322210	1.619113	1.681319	1.897586	5.13435	5.355821	4.796776	-1.66152	2.542005	224.2806	4.61E-26	8.11E-25
LOC114322214	2.617113	2.175722	2.633664	0.889242	0.385088	0.638712	1.888816	1.00841	84.60045	1.45E-14	9.96E-14
LOC114322277	4.364074	4.177555	4.670624	2.286198	1.818076	2.022374	1.013416	2.953158	114.899	1.05E-17	9.3E-17
LOC114322307	0.664809	0.916621	0.849711	0.197307	0.252448	0.205119	1.760437	0.314775	46.58813	1.03E-09	4.58E-09
LOC114322295	4.62375	4.513474	5.292791	2.428865	1.207836	1.933044	1.29393	2.523364	95.39879	4.52E-12	2.49E-11
LOC114322327	5.611782	5.023806	5.174014	2.327424	2.292222	2.415852	1.06229	4.712109	380.0659	6.76E-34	2.13E-32
LOC114322371	1.274026	1.933525	1.764998	0.352427	0.237848	0.076131	2.837353	0.175225	77.79373	1.37E-13	8.65E-13
LOC114322359	10.92035	10.79533	10.15378	5.149206	4.769779	4.597803	1.034383	4.175577	270.257	1.01E-28	2.17E-27
LOC114322364	2.222375	1.964241	1.995462	4.821793	4.104343	5.156405	-1.28761	2.116261	106.4475	7.01E-17	5.81E-16
LOC114322407	13.45029	13.9186	12.38498	5.90828	5.889211	6.225387	1.034001	4.061714	255.3218	6.75E-28	1.36E-26
LOC114322444	2.984921	3.174291	2.654961	0.473703	0.406885	0.455831	2.61232	1.172277	162.0071	9.37E-22	1.16E-20
LOC114322457	3.520087	2.003583	2.422604	1.546984	1.107312	0.744309	1.173816	0.644211	25.8344	3.45E-06	1.06E-05
LOC114322488	1.302251	0.682015	0.765332	2.477365	2.557446	2.705533	-1.57855	0.841153	63.89504	4.45E-12	2.46E-11
LOC114322505	0.871563	1.163115	1.010824	2.347179	2.795237	2.085192	-1.35761	1.707137	86.82598	8.59E-15	6.03E-14
LOC114322511	1.219371	1.166117	1.082831	2.611335	2.24734	2.180969	-1.11253	1.687824	62.32829	7.09E-12	3.86E-11
LOC114322515	0.933744	1.033162	1.13862	0.245286	0.231756	0.215126	2.060827	1.851122	182.0384	3.01E-23	4.27E-22
LOC114322517	0.361454	0.35716	0.218835	0.147503	0.05279	0.060831	1.811023	-0.13104	31.99238	2.18E-07	7.65E-07
LOC114322529	1.99986	1.64117	1.93663	0.985868	0.48515	0.885145	1.160157	0.340896	22.97856	6.51E-06	1.93E-05
LOC114322579	0.040956	0.069175	0.09	0.465319	0.410341	0.436248	-2.79935	-0.36904	70.82173	6.02E-13	3.6E-12
LOC114322576	1.213069	1.232948	1.238488	0.175631	0.107556	0.118035	3.113078	1.012336	181.1302	3.5E-23	4.92E-22

LOC114322584	4.53959	4.274329	5.303161	1.991902	2.109813	2.008022	1.099289	2.964876	132.1813	2.72E-19	2.76E-18
LOC114322590	1.031184	0.935339	0.818281	0.468627	0.286985	0.255894	1.399156	0.510028	36.17498	3.91E-08	1.49E-07
LOC114322612	2.698521	2.707407	2.223734	1.037687	1.039869	0.618141	1.41513	1.622612	78.28878	1.12E-13	7.13E-13
LOC114322618	1.92012	1.743589	1.531245	4.616381	4.742949	4.852377	-1.55326	1.684201	117.1096	6.45E-18	5.84E-17
LOC114322647	0.084803	0.079574	0.077648	2.492213	2.852393	2.525333	-5.09114	1.553738	538.2957	1.57E-39	7.65E-38
LOC114322666	0.052589	0.177645	0.144454	3.345908	3.462428	3.505497	-4.87488	1.052163	360.8449	4.38E-33	1.3E-31
LOC114322702	0	0.058299	0	4.988311	5.409753	7.044898	-7.87993	0.788362	365.0771	2.88E-33	8.66E-32
LOC114322715	0.946922	0.928653	0.83905	0.166581	0.2186	0.272884	1.899605	0.2815	52.55784	1.45E-10	7.04E-10
LOC114322716	2.836949	2.764383	3.196999	0.264465	0.182202	0.099977	3.939576	1.420746	302.9486	2.06E-30	5.03E-29
LOC114322741	11.39067	11.60991	11.96277	4.544607	3.726483	3.903666	1.426131	3.988678	447.7553	1.65E-36	6.44E-35
LOC114322772	1.017701	1.020593	1.153134	0.115625	0.113799	0.152986	2.916927	0.311916	99.18206	3.85E-16	3.01E-15
LOC114322773	1.279089	1.193722	1.569983	0.502736	0.445317	0.649344	1.220753	1.347281	52.0309	1.72E-10	8.29E-10
LOC114322793	1.973343	1.741552	3.164392	0.290853	0.229008	0.219905	3.08803	-0.27472	62.40445	6.93E-12	3.77E-11
LOC114322814	0.497047	0.524694	0.477861	1.1859	1.20052	1.323587	-1.40974	-0.16179	26.7491	1.41E-06	4.54E-06
LOC114322815	0.289127	0.434076	0.317676	1.518347	1.333438	1.5012	-2.15938	-0.18129	55.15642	6.38E-11	3.18E-10
LOC114322843	0.667778	0.704922	0.733716	0	0.089605	0.028681	3.851346	-0.62793	60.6728	1.17E-11	6.22E-11
LOC114322862	2.182012	2.134537	2.299833	3.94856	3.956863	4.6952	-1.04097	3.309511	175.3186	9.26E-23	1.25E-21
LOC114322877	5.879267	6.073432	6.10421	1.078551	1.56976	1.11199	2.143224	2.614098	315.3896	5.11E-31	1.31E-29
LOC114322902	0.855362	0.881908	1.166286	0.281005	0.221254	0.198296	1.958987	0.890154	83.50454	1.93E-14	1.31E-13
LOC114322914	7.470066	7.175723	7.790334	1.227503	1.32893	1.276107	2.43404	1.682701	215.4083	1.67E-25	2.83E-24
LOC114322958	1.37451	1.238156	1.254654	0.499723	0.605331	0.319698	1.343425	0.436216	32.32071	1.63E-07	5.83E-07
LOC114322933	12.43159	12.58304	12.29185	4.812419	5.430514	5.130822	1.168873	4.427232	388.2835	3.11E-34	1.01E-32
LOC114323019	2.900348	1.993402	2.400397	0.958603	0.808684	0.983617	1.307569	0.521952	32.99483	1.27E-07	4.58E-07
LOC114323055	8.165203	8.079576	8.427725	2.120412	1.593653	1.603179	2.127891	3.08618	467.4859	3.29E-37	1.35E-35
LOC114323022	0.769584	0.63547	0.958317	0.373058	0.391644	0.329067	1.005564	0.145551	15.46105	0.000166	0.000405
LOC114323069	0.450059	0.414626	0.472021	1.301565	1.024809	1.433936	-1.58843	0.375036	48.63069	5.21E-10	2.39E-09

LOC114323057	4.430166	3.953038	4.867608	9.876628	9.989844	11.48834	-1.35141	2.447733	143.2938	3.02E-20	3.29E-19
LOC114323065	0	0.075401	0	2.678001	4.408825	4.877821	-6.98566	-0.09734	183.4937	3.39E-23	4.78E-22
LOC114323098	32.99752	33.04822	32.14067	65.30113	62.52245	65.52121	-1.08249	6.920504	1176.143	1.68E-33	5.09E-32
LOC114323130	0.682783	0.563796	0.825222	2.110002	1.987098	1.532747	-1.52733	0.802199	59.58752	1.62E-11	8.53E-11
LOC114323188	1.715589	2.305636	1.945795	0.150902	0.039605	0.114092	4.174003	0.327214	138.7625	7.3E-20	7.75E-19
LOC114323200	1.17493	1.193265	0.734066	1.800783	2.242222	1.773139	-1.01121	1.00479	30.71225	3.08E-07	1.06E-06
LOC114323231	3.302001	3.077852	3.171537	0.636021	0.594678	0.57104	2.302626	1.432871	167.1856	3.76E-22	4.8E-21
LOC114323278	4.895774	5.457504	6.508821	2.625395	2.382475	2.489638	1.063762	2.337006	76.26907	1.33E-13	8.42E-13
LOC114323240	2.363411	1.848052	2.38038	0	0	0	7.703753	-0.69177	84.6271	1.74E-14	1.19E-13
LOC114323288	5.461429	6.221342	5.323578	1.738349	1.186222	1.518762	1.843798	2.355267	203.845	9.43E-25	1.49E-23
LOC114323297	20.58906	20.47464	20.83162	7.452534	6.774897	7.0744	1.436199	4.995556	889.6396	3.8E-48	3.35E-46
LOC114323298	0.361395	0.32942	0.19854	0.125134	0.061579	0.082784	1.653819	-0.37041	23.75103	4.74E-06	1.43E-05
LOC114323330	11.03846	10.53485	11.07638	4.724325	5.011907	4.699893	1.070465	4.10333	287.6784	1.22E-29	2.81E-28
LOC114323344	1.523744	1.584474	1.353998	0.454081	0.655468	0.572195	1.282083	1.91992	83.72605	1.82E-14	1.24E-13
LOC114323357	0.010633	0.011973	0.058414	0.521873	0.639186	0.613779	-4.50627	-0.14578	140.515	5.18E-20	5.55E-19
LOC114323375	0.635827	0.583358	0.439865	0.119863	0.141564	0.084151	2.164587	1.16232	113.9315	2.23E-17	1.93E-16
LOC114323378	187.2554	177.266	182.8823	54.53213	52.0922	55.68843	1.648547	7.504546	2892.93	6.91E-58	1.4E-55
LOC114323379	1.951234	1.698777	1.723963	0.621638	0.287916	0.497649	1.856942	0.840371	74.37444	2.23E-13	1.39E-12
LOC114323505	0.280871	0.09036	0.176346	1.604661	1.493176	1.599265	-3.13088	-0.53465	72.67203	3.58E-13	2.18E-12
LOC114323432	5.028027	5.07587	5.791204	1.922563	1.563393	1.858692	1.470965	2.628626	174.3317	1.1E-22	1.47E-21
LOC114323433	1.032945	1.243307	1.095804	0.45324	0.509809	0.562976	1.017267	0.559731	21.9873	9.83E-06	2.84E-05
LOC114323439	0.030464	0.053904	0.062163	0.087023	0.149497	0.16748	-1.61229	-0.52962	24.37773	3.67E-06	1.12E-05
LOC114323446	0.641849	0.654966	0.595035	0.291692	0.248807	0.220539	1.222657	1.057611	44.07187	2.41E-09	1.04E-08
LOC114323450	153.1739	162.6432	156.7259	59.74309	60.82512	62.04578	1.266173	6.847878	1489.927	2.33E-45	1.7E-43
LOC114323494	1.733568	2.468698	2.40894	0.370743	1.094665	0.911	1.295467	-0.02177	20.52935	1.83E-05	5.1E-05
LOC114323463	0.023209	0.008711	0.025501	2.067333	2.137112	1.967101	-6.74769	2.04486	854.407	1.95E-47	1.64E-45

LOC114323464	21.00926	20.31075	20.52644	7.674223	7.902997	7.129448	1.341042	5.082886	825.5019	7.8E-47	6.27E-45
LOC114323465	1.083627	1.200639	1.257301	0.141828	0.210934	0.119147	2.783666	1.27787	186.4576	1.46E-23	2.12E-22
LOC114323422	14.95514	10.99591	13.73407	0.304318	0.23961	0.306781	5.406879	1.896294	522.7868	4.79E-39	2.26E-37
LOC114323423	55.49298	54.18518	55.39135	0.55541	0.655967	0.787366	6.229197	4.421696	3788.236	8.51E-75	5.88E-72
LOC114323481	0.175267	0.112772	0.220084	0.500665	0.519636	0.585013	-1.75641	-0.15968	38.99395	1.41E-08	5.66E-08
LOC114323559	13.63402	13.76465	14.11699	1.806307	2.1168	2.254983	2.626187	3.361658	836.5801	4.56E-47	3.72E-45
LOC114323586	1.354625	1.15176	1.275757	3.266536	3.323765	2.887683	-1.42009	1.301454	76.70506	1.18E-13	7.5E-13
LOC114323624	1.352932	1.292581	1.576615	3.502766	2.75796	3.099116	-1.23956	0.77601	41.06855	6.8E-09	2.81E-08
LOC114323627	2.610844	3.021465	3.028012	0.659173	1.089923	1.0466	1.484198	0.754193	49.06389	4.52E-10	2.09E-09
LOC114323613	0.941013	1.099115	1.172817	0.038297	0	0.019303	5.721762	1.288543	340.4452	7.89E-32	2.14E-30
LOC114323620	3.039214	3.737666	3.126164	0.74447	0.86383	0.651745	2.01931	1.547096	141.3238	4.42E-20	4.77E-19
LOC114323652	2.244793	2.013537	2.675468	1.037449	1.116365	0.915114	1.071001	1.445218	44.42441	2.13E-09	9.24E-09
LOC114323668	2.331758	1.514743	2.364923	4.727803	4.621051	5.176932	-1.32095	0.278824	32.22566	1.69E-07	6.03E-07
LOC114323708	24.98915	24.61348	26.12129	10.95546	10.31779	10.2509	1.160991	5.000956	598.7344	2.59E-41	1.44E-39
LOC114323762	0.900784	0.866955	0.796207	0.027444	0.064824	0.076081	3.747355	1.498565	306.307	1.41E-30	3.49E-29
LOC114323763	0.930365	1.047589	0.90865	0.046979	0.03699	0	4.899483	-0.53412	80.03483	4.81E-14	3.17E-13
LOC114323798	0.417959	0.385605	0.399974	0.08333	0.038595	0.051885	2.727208	1.410058	198.3412	2.2E-24	3.39E-23
LOC114323815	1.425368	1.175465	1.632285	0	0	0	8.767661	0.241208	180.5625	6.03E-23	8.3E-22
LOC114323817	0.954836	0.901223	0.925692	0.153152	0.120587	0.096495	2.81392	0.308252	94.56205	1.18E-15	8.85E-15
LOC114323784	2.84477	2.847293	2.679143	5.609064	5.32121	5.399318	-1.06603	3.064177	153.5516	4.35E-21	5.1E-20
LOC114323836	1.102445	1.119649	1.258804	0.432246	0.309396	0.653616	1.190888	0.296442	23.32025	5.66E-06	1.69E-05
LOC114323859	2.714729	3.209617	3.206495	1.357095	1.16567	1.119337	1.222322	0.053473	20.93285	1.53E-05	4.32E-05
LOC114323897	13.98962	13.00513	15.42802	4.529389	6.203857	5.029784	1.309616	3.488231	254.4162	3.27E-24	4.97E-23
LOC114323864	0.918004	0.930304	0.706055	2.336275	2.562167	2.554952	-1.64989	1.167101	91.29039	2.64E-15	1.94E-14
LOC114323876	0.972048	0.933565	1.162268	3.689932	4.583054	4.283003	-2.14553	1.488636	177.7534	6.14E-23	8.45E-22
LOC114323887	32.22233	32.14444	33.93771	2.566587	2.103893	1.993684	3.791299	4.734321	2997.86	2.2E-70	1.01E-67

LOC114323919	0.235709	0.279376	0.163568	0.766747	0.799029	0.784319	-1.89113	0.344377	64.36872	3.87E-12	2.15E-11
LOC114323943	0.372436	0.343115	0.539415	1.754105	1.308432	1.605431	-1.98557	0.843997	97.5244	5.73E-16	4.42E-15
LOC114323944	28.67103	27.1327	29.91387	59.41421	60.21622	60.67412	-1.17862	6.315485	1172.943	1.06E-48	9.88E-47
LOC114323971	40.43404	37.46874	39.66932	19.23235	17.79167	16.02869	1.048588	4.605657	333.0845	1.14E-31	3.05E-30
LOC114323962	0.376277	0.388379	0.430657	0.826505	1.032243	1.055857	-1.40384	0.455512	41.53963	5.77E-09	2.4E-08
LOC114324006	3.612494	4.613322	4.913093	1.041089	1.261105	1.453174	1.674201	1.972092	131.3669	6.49E-19	6.39E-18
LOC114324042	0.210158	0.163826	0.159861	0.6759	0.925532	0.666558	-2.17603	-0.13045	57.26408	3.31E-11	1.69E-10
LOC114324024	2.975318	2.884196	3.035599	1.148819	1.192714	1.060752	1.282567	3.46075	279.7764	3.14E-29	7.04E-28
LOC114324051	5.275596	6.242359	5.403533	0.487632	0.255963	0.491578	3.639774	0.183009	113.014	1.59E-17	1.39E-16
LOC114324098	2.011134	1.975175	2.160612	0.89366	0.863556	0.982792	1.054966	2.022908	65.40488	2.86E-12	1.61E-11
LOC114324103	0.316228	0.298641	0.347453	0.686107	0.62782	0.658946	-1.13335	0.582863	30.66619	3.06E-07	1.06E-06
LOC114324111	3.437558	3.047133	2.651928	0.199432	0.575762	1.00523	2.167538	0.688521	77.53035	4.08E-13	2.47E-12
LOC114324115	11.24428	11.08678	12.74677	24.6579	24.48138	26.81988	-1.22241	4.249312	401.0558	9.58E-35	3.25E-33
LOC114255751	2.32805	1.846041	1.945464	6.079744	4.880849	5.1375	-1.48088	1.792738	111.6434	2.16E-17	1.87E-16
LOC114324124	5.224147	4.995759	4.941382	9.99204	10.81496	10.67645	-1.16175	3.972422	336.1994	5.43E-32	1.49E-30
LOC114324125	0	0.042787	0.013917	8.726607	8.067576	8.321391	-8.80113	3.359548	2364.413	6.12E-66	2.29E-63
LOC114255770	2.563762	2.761277	2.735262	1.553487	1.06362	1.123477	1.023635	0.74947	25.35618	2.47E-06	7.7E-06
LOC114255848	2.38863	1.913748	2.22072	8.4337	7.100639	5.113799	-1.73709	1.595226	118.9191	2.72E-17	2.33E-16
LOC114255817	0.590853	0.372567	1.116615	2.448868	2.435566	2.663582	-1.96446	1.065719	93.42388	3.15E-13	1.93E-12
LOC114255797	3.584475	3.901574	4.305998	0.825352	0.684057	1.313734	1.930566	1.657628	136.7126	1.62E-19	1.68E-18
LOC114255831	0.59279	0.820444	0.597046	0.02245	0	0.033947	4.915831	-0.06127	113.0209	1.59E-17	1.39E-16
LOC114255859	1.255562	1.262286	0.985385	0.081514	0	0.12326	3.931884	-0.07769	93.51015	1.52E-15	1.14E-14
LOC114255843	1.212267	2.145015	1.61739	4.013854	3.098406	4.105843	-1.28373	0.947796	46.16474	1.26E-09	5.58E-09
LOC114255865	0.157252	0.221332	0.129585	0.535981	0.675222	0.729431	-2.04443	-0.56791	37.3337	2.56E-08	1E-07
LOC114255877	3.577573	2.906016	3.148574	1.294207	1.553998	1.198675	1.145369	1.975537	70.83308	6E-13	3.58E-12
LOC114255925	0.479653	0.413009	0.558016	1.436109	1.373046	2.09404	-1.86806	0.23655	57.33977	3.23E-11	1.65E-10

LOC114255943	0.750056	1.161271	0.865323	3.135975	2.469161	2.706051	-1.6824	1.596667	119.2445	4.06E-18	3.75E-17
LOC114255963	12.56427	12.0194	12.70963	2.378339	2.169866	2.169245	2.372795	3.400187	756.8029	2.54E-45	1.84E-43
LOC114255958	0.294096	0.280205	0.298279	0.986978	0.777114	0.901688	-1.69294	-0.26986	34.20606	8.06E-08	2.98E-07
LOC114256022	1.409652	1.352115	1.328946	0.474536	0.348725	0.394661	1.657575	1.652705	114.0307	1.27E-17	1.12E-16
LOC114256128	10.74853	10.60422	11.15817	3.550137	4.223947	4.135581	1.332908	3.937048	392.888	2.03E-34	6.69E-33
LOC114256143	8.882023	7.915011	9.938663	2.27826	1.559848	1.27317	2.315931	1.593533	176.5325	7.55E-23	1.03E-21
LOC114256178	1.601296	1.024464	1.399532	3.373964	2.760724	3.551326	-1.35611	0.958885	53.81528	9.74E-11	4.79E-10
LOC114256190	2.497595	2.713857	2.620723	0.544822	0.339605	0.429087	2.489324	1.90658	248.7928	1.59E-27	3.1E-26
LOC114256184	0.955551	1.166873	1.153415	0.073395	0.057789	0.073989	3.853033	0.500332	152.7217	5.07E-21	5.91E-20
LOC114256219	4.891585	4.56299	5.119811	55.19882	56.95853	57.71454	-3.64824	6.434013	8922.273	4.08E-91	2.16E-87
LOC114256256	4.822766	5.866444	5.105581	1.663797	1.259632	1.741772	1.652046	1.586035	105.1515	9.45E-17	7.76E-16
LOC114256264	0.305516	0.181058	0.229678	1.92919	1.956261	1.944803	-3.10315	1.058758	230.3418	1.96E-26	3.55E-25
LOC114256306	1.597652	1.699011	1.755407	3.146266	4.319333	3.171729	-1.18771	0.875537	39.78978	1.07E-08	4.31E-08
LOC114256316	1.988504	1.205643	1.638639	4.17086	3.886061	3.679038	-1.36402	1.156465	62.05852	7.69E-12	4.17E-11
LOC114256352	3.048185	2.549671	3.397014	0.791579	0.872568	0.778036	1.76665	0.506774	55.24797	6.2E-11	3.09E-10
LOC114256363	0.386327	0.341788	0.333515	1.103572	0.987404	1.175714	-1.71056	-0.26134	35.21134	5.56E-08	2.09E-07
LOC114256437	3.78515	4.282861	4.645798	1.376145	1.083531	1.167348	1.712695	2.170581	163.0841	7.74E-22	9.66E-21
LOC114256438	4.984487	3.31649	4.63027	10.29649	10.31224	9.964622	-1.33755	2.295073	123.2978	1.71E-18	1.62E-17
LOC114256440	0.302939	0.401304	0.215374	0.178164	0.051011	0.14695	1.213201	-0.28637	14.1142	0.000327	0.000762
LOC114256500	1.323693	0.964425	1.112186	6.65254	4.123522	4.922768	-2.26436	0.332601	83.46663	1.95E-14	1.32E-13
LOC114256474	7.899809	7.144713	8.289431	3.068175	2.888035	2.912774	1.292156	4.656555	519.5148	6.09E-39	2.85E-37
LOC114256502	4.84122	4.577612	4.76232	9.345801	8.439406	8.928565	-1.01578	4.329387	301.8174	2.35E-30	5.7E-29
LOC114256494	2.456164	2.279088	2.448811	6.201204	6.835668	6.720244	-1.56721	2.599362	215.741	1.59E-25	2.7E-24
LOC114256529	56.05054	54.09215	55.31537	111.9562	112.8536	115.2833	-1.14495	6.516249	1203.35	1.27E-42	7.8E-41
LOC114256563	5.668676	6.494898	6.173776	2.440573	2.490995	2.802036	1.128039	1.442559	50.28245	3.03E-10	1.43E-09
LOC114256564	10.82599	11.54301	11.18784	3.050147	3.026653	3.632935	1.673792	3.236695	366.3251	2.55E-33	7.68E-32

LOC114256590	0.897048	0.803936	0.905165	0.299511	0.18342	0.276774	1.681072	0.032443	35.59547	4.83E-08	1.83E-07
LOC114256586	1.878239	1.655134	1.85664	0.696564	0.638361	0.604353	1.37741	2.560621	149.2253	9.75E-21	1.11E-19
LOC114256695	0.82211	0.640865	0.59061	0.114958	0.090514	0.130374	2.489401	-0.20365	52.97977	1.27E-10	6.19E-10
LOC114256658	4.975436	4.427648	4.71725	1.568192	2.182334	1.875001	1.207192	2.323169	98.20585	4.86E-16	3.78E-15
LOC114256659	16.04584	16.20517	16.60668	7.223001	6.857231	7.081129	1.102779	4.199597	320.3554	2.96E-31	7.72E-30
LOC114256705	0.606604	0.387669	0.666502	0.089408	0.234656	0.225329	1.427507	-0.36195	18.85125	3.73E-05	9.98E-05
LOC114256706	4.64776	3.535122	3.686284	0.447618	1.189484	1.311419	1.844426	1.332576	92.03158	9.11E-14	5.84E-13
LOC114256662	6.497314	5.734132	5.402388	1.723761	1.658839	2.558298	1.447133	1.787268	93.83948	1.41E-15	1.05E-14
LOC114256710	2.275179	1.821758	2.166523	1.286715	0.868385	0.764379	1.032318	0.000515	14.56353	0.00025	0.000593
LOC114256636	0.293372	0.251685	0.353039	0.584088	0.599858	0.518413	-1.01784	-0.01432	15.86756	0.000139	0.000342
LOC114256640	1.192405	0.773728	1.465586	0.367386	0.202487	0.611093	1.412931	0.315927	27.05391	2.96E-06	9.15E-06
LOC114256676	3.435735	3.050532	3.720864	8.909426	8.054893	8.496347	-1.41968	3.885371	459.012	6.52E-37	2.62E-35
LOC114256689	4.9114	4.810145	4.778028	1.302007	1.171608	1.142617	1.905192	2.83224	327.9483	1.3E-31	3.47E-30
LOC114256645	0.397595	0.212064	0.390869	0.760796	0.898538	0.805301	-1.39254	-0.17663	25.08723	2.75E-06	8.53E-06
LOC114256721	1.452028	1.388854	1.423855	7.010359	7.95555	8.304551	-2.55856	3.179197	770.7598	1.22E-45	9.03E-44
LOC114256803	1.55705	1.216951	1.78124	0.765883	0.576812	0.767885	1.011366	1.896877	50.599	3.79E-10	1.77E-09
LOC114256818	6.661975	7.406415	6.54766	1.941733	2.695613	2.318029	1.443841	2.31789	133.4383	2.11E-19	2.16E-18
LOC114256820	0.229311	0.258203	0.274858	0.606321	0.581827	0.616003	-1.34672	0.363505	36.18808	3.89E-08	1.49E-07
LOC114256926	4.956656	4.982344	4.850054	1.218133	1.354943	1.37418	1.790838	3.141926	385.5264	4.03E-34	1.29E-32
LOC114256935	0.311015	0.363335	0.294738	0.113074	0.111288	0.069462	1.629449	0.789082	57.88025	2.73E-11	1.41E-10
LOC114256957	0.35107	0.263536	0.321446	1.666364	1.004966	1.233082	-2.12033	0.350815	75.75935	1.53E-13	9.61E-13
LOC114257002	20.66986	19.19896	21.47367	0.974685	1.304638	1.289627	3.973022	3.582858	1557.15	3.24E-58	6.69E-56
LOC114257043	7.383702	7.789724	8.624399	2.297503	2.475441	2.194197	1.659917	1.271533	87.80194	6.37E-15	4.52E-14
LOC114257026	0.260851	0.399456	0.401251	0.834557	1.015522	1.132902	-1.6205	1.002295	75.71841	1.54E-13	9.71E-13
LOC114257029	1.379311	1.0521	1.161073	0.465071	0.398023	0.397491	1.419157	1.19016	62.1202	7.55E-12	4.09E-11
LOC114257030	0.127564	0.079798	0.28032	1.442864	1.643233	1.850644	-3.44372	0.972168	225.4003	5.56E-25	8.98E-24

LOC114257081	4.282127	5.491342	4.138615	8.865274	10.4987	9.917913	-1.18936	2.478035	109.0475	4.44E-17	3.74E-16
LOC114257089	43.68367	45.32694	43.14303	0.809074	0.613444	0.838278	5.764713	5.313804	7317.827	2.54E-87	7.34E-84
LOC114257104	2.119856	1.952962	2.483169	0.987265	0.802415	0.77052	1.265193	1.430248	59.85957	1.49E-11	7.89E-11
LOC114257097	1.596975	1.6758	1.745476	0.759951	0.81377	0.723966	1.018882	2.157061	66.5285	2.06E-12	1.17E-11
LOC114257110	23.89773	21.99784	23.24753	67.5543	71.60786	73.51739	-1.72714	5.322363	1601.779	9.84E-59	2.1E-56
LOC114257114	0.47278	0.51834	0.505793	0.158316	0.320535	0.085498	1.284762	-0.10756	18.55039	4.38E-05	0.000116
LOC114257126	0.432125	0.421695	0.506446	0.837894	1.07206	1.187824	-1.3071	-0.26103	21.32349	1.3E-05	3.7E-05
LOC114257147	0.828277	0.799404	1.018403	0.179245	0.084679	0.135522	2.630047	-0.18077	57.97428	2.66E-11	1.37E-10
LOC114257174	9.146176	9.130417	9.040426	2.817985	2.508936	2.736993	1.65818	3.884697	584.9028	6.41E-41	3.42E-39
LOC114257177	3.712096	3.219377	3.658776	7.206887	7.676637	7.362123	-1.17644	4.615339	447.3804	1.7E-36	6.64E-35
LOC114257185	10.51689	10.33025	9.424569	40.54063	38.11223	44.28584	-2.12654	3.395818	695.5805	7.25E-44	4.8E-42
LOC114257192	0.378471	0.385571	0.488449	0	0.034394	0.02477	4.129899	0.282024	129.8831	4.34E-19	4.33E-18
LOC114257315	10.7587	9.239703	9.967739	1.491666	1.174488	1.127804	2.892087	1.922565	311.7398	7.66E-31	1.94E-29
LOC114257295	2.226955	2.002555	1.962577	0.49197	0.597642	0.552631	1.799074	2.361821	205.4144	7.42E-25	1.19E-23
LOC114257296	1.648328	1.566011	1.188525	2.153637	2.949047	3.893761	-1.15951	0.454249	27.39853	1.09E-06	3.55E-06
LOC114257329	0.738129	0.794598	0.868942	0.30227	0.249607	0.183945	1.623479	1.982234	128.1566	6.2E-19	6.11E-18
LOC114257331	0.080026	0.098301	0.119902	0.648017	0.687245	0.789913	-2.94199	0.774578	175.8755	8.43E-23	1.15E-21
LOC114257345	3.195695	2.909301	3.02225	8.517168	7.086559	8.138669	-1.48032	4.762296	726.5368	1.41E-42	8.55E-41
LOC114257454	0.238776	0.107544	0.052471	7.899738	7.928776	7.088541	-5.83063	1.315266	481.8531	1.05E-37	4.47E-36
LOC114257478	3.91131	3.674966	4.14573	1.56955	1.50769	1.673232	1.19642	3.259742	209.4515	4.04E-25	6.62E-24
LOC114257483	1.35589	1.2635	1.438402	0.637439	0.568818	0.481949	1.17146	0.407596	25.49336	2.34E-06	7.31E-06
LOC114257590	5.5047	5.450212	6.517504	0.172527	0.135842	0.195664	4.94961	1.010667	274.3106	6.12E-29	1.34E-27
LOC114257601	0.631068	1.006656	0.808944	1.720753	2.107565	1.951514	-1.36	-0.25256	22.86508	6.83E-06	2.02E-05
LOC114257611	3.079335	2.865849	2.382185	6.34023	6.02648	6.693844	-1.29589	2.156637	110.4803	2.8E-17	2.4E-16
LOC114257644	297.9867	293.2484	292.4224	623.4804	610.3333	625.6681	-1.17858	9.179283	2763.125	2.21E-23	3.17E-22
LOC114257677	0.653689	0.556528	0.788308	0	0.04564	0.087652	3.614361	-0.34638	70.45113	6.69E-13	3.98E-12

LOC114257730	38.56369	39.22796	39.33958	12.06405	11.43414	11.75714	1.627811	5.770242	1770.836	1.41E-60	3.36E-58
LOC114257740	1.369225	1.150379	1.330837	0.497801	0.467328	0.535607	1.251998	1.399318	59.03791	1.92E-11	1E-10
LOC114257741	6.921727	7.572355	7.794307	2.614828	2.533942	2.940143	1.350102	3.626292	330.033	1.04E-31	2.79E-30
LOC114257720	2.066125	1.74203	2.149503	0.43546	0.600017	0.617322	1.720452	1.964394	143.7282	2.78E-20	3.04E-19
LOC114257750	4.554008	4.158368	4.605376	1.194392	1.588993	1.556972	1.492441	1.995263	118.0968	5.21E-18	4.75E-17
LOC114257749	0.723086	0.581566	0.324279	0.241428	0.274578	0.182536	1.128927	-0.17328	13.81185	0.000369	0.000853
LOC114257726	7.945646	7.933937	8.606672	121.6819	110.9359	118.9407	-3.94809	5.698683	7407.347	1.49E-87	4.73E-84
LOC114257769	0.937486	1.055607	0.756775	0.034779	0.164304	0.131478	2.844604	-0.11632	65.45251	2.82E-12	1.59E-11
LOC114257786	1.868642	2.133515	1.923936	0.403822	0.448879	0.682475	1.809869	1.56382	119.2243	4.08E-18	3.76E-17
LOC114257800	0.35842	0.265772	0.288154	2.828651	2.7527	2.571195	-3.24751	2.410532	588.1721	5.16E-41	2.78E-39
LOC114257899	1.06284	1.019459	0.95153	0.357788	0.56342	0.378717	1.098052	0.265046	20.08745	2.19E-05	6.05E-05
LOC114257841	0.094725	0.094471	0.074342	0	0.003874	0.00372	4.707609	-0.69834	68.19998	1.27E-12	7.36E-12
LOC114257842	1.207916	1.196898	1.628017	0	0.046103	0.044271	5.157225	0.491408	180.0329	4.2E-23	5.87E-22
LOC114257879	80.87336	77.80451	80.97866	29.4805	34.24338	29.27771	1.257097	4.948596	604.6313	3.12E-39	1.5E-37
LOC114257995	1.804171	1.167027	1.518371	0	0	0	7.9284	-0.50211	97.86644	6.62E-16	5.07E-15
LOC114258027	2.339256	2.072909	2.34211	4.654938	4.814214	5.003338	-1.20568	2.968112	177.4934	6.42E-23	8.81E-22
LOC114258088	0.87147	0.806824	0.829851	0.070408	0.138592	0.23955	2.291278	-0.19033	47.36436	7.92E-10	3.58E-09
LOC114258090	46.36562	40.49134	47.19393	13.61867	11.91431	11.32633	1.769185	3.358648	435.5054	4.61E-36	1.74E-34
LOC114258113	0.324016	0.165837	0.161823	0.508685	0.632402	0.56678	-1.47276	-0.22026	26.44608	1.59E-06	5.1E-06
LOC114258117	2.092976	1.389841	1.474128	0.438999	0.460871	0.331914	1.914667	0.337669	53.19737	1.19E-10	5.79E-10
LOC114258145	2.347401	2.097297	2.551153	1.113171	1.168632	0.806567	1.083998	1.051249	34.57657	7.03E-08	2.61E-07
LOC114258166	0.496433	0.298124	0.436361	0.812184	0.947387	1.000703	-1.26679	0.341948	30.95177	2.74E-07	9.54E-07
LOC114258187	5.396789	4.773237	5.536859	0	0	0	10.89398	2.22598	804.1481	9.3E-46	6.93E-44
LOC114258188	0.700779	0.789075	0.739176	4.840785	4.613886	4.584595	-2.75328	1.569618	281.9574	2.41E-29	5.45E-28
LOC114258201	9.356976	9.034847	10.00453	18.97544	21.5289	21.53742	-1.23781	4.196152	398.2421	1.24E-34	4.15E-33
LOC114258255	3.339536	3.497963	3.157294	1.03531	1.111593	1.352051	1.391363	1.436461	72.78161	3.48E-13	2.12E-12

LOC114258315	3.219164	2.792857	3.131141	0.86339	0.453203	0.435189	2.321533	0.19115	65.22629	3.01E-12	1.69E-11
LOC114258278	0.829948	0.742823	0.561168	1.508697	1.340192	1.286921	-1.0403	0.616543	25.89825	1.98E-06	6.27E-06
LOC114258291	9.455467	8.168391	9.639737	0	0	0.042608	8.699358	2.161837	746.6952	4.34E-45	3.07E-43
LOC114258292	4.315506	4.162053	4.288079	12.65403	9.829084	12.1977	-1.53981	3.690076	443.4456	3.77E-34	1.21E-32
LOC114258297	2.256188	2.583521	2.352918	1.042715	0.930465	1.313942	1.008637	0.554023	21.49724	1.21E-05	3.45E-05
LOC114258331	0.568556	0.640193	0.460303	1.468706	1.37056	1.85074	-1.59753	0.158711	41.78231	5.3E-09	2.21E-08
LOC114258365	3.4365	3.205325	3.296803	0.139857	0.073412	0.105742	4.840604	1.084205	289.1113	1.03E-29	2.38E-28
LOC114258347	1.555805	1.859402	1.709428	0.099234	0.039067	0.093785	4.345208	1.057345	253.64	8.4E-28	1.67E-26
LOC114258348	0.493278	0.571766	0.382578	0.210986	0.062296	0.15952	1.667628	-0.42227	23.22731	5.88E-06	1.75E-05
LOC114258403	4.542837	3.864339	4.708049	1.694887	1.930762	1.581367	1.226178	2.232528	95.34014	9.73E-16	7.37E-15
LOC114258411	0.668674	0.607198	0.853201	0.29408	0.246985	0.251991	1.325045	0.540243	34.23685	7.97E-08	2.95E-07
LOC114258418	60.47019	55.63513	54.83067	219.4258	210.9953	213.3016	-2.01801	7.169767	3756.251	7.76E-73	4.33E-70
LOC114258452	1.73847	1.405395	1.567286	7.941088	6.890561	7.71945	-2.34978	1.64529	231.0764	1.77E-26	3.21E-25
LOC114258483	0.685262	0.467023	0.317021	0.917872	0.825945	1.040963	-1.01008	0.31368	18.72326	3.98E-05	0.000106
LOC114258517	7.745308	7.376139	7.451624	3.712528	2.867967	3.018774	1.143495	2.089861	77.93201	8.46E-14	5.44E-13
LOC114258566	5.243818	5.322391	6.126773	0.537032	0.792827	1.015085	2.677979	1.425054	197.4045	2.55E-24	3.91E-23
LOC114258540	14.50566	14.27077	12.89181	26.03872	25.79285	27.55738	-1.03512	5.221269	558.8461	2.02E-39	9.79E-38
LOC114258709	5.060586	5.093853	6.150003	1.811972	3.182607	2.318423	1.020394	0.714764	24.03083	4.23E-06	1.28E-05
LOC114258711	3.682447	4.363234	3.755165	1.837577	1.929129	1.521654	1.05457	1.864125	56.68811	3.95E-11	2.01E-10
LOC114258730	3.556904	2.820469	3.660421	16.57435	15.73897	15.90519	-2.36247	3.576743	915.1168	1.21E-48	1.12E-46
LOC114258737	0.289034	0.325452	0.221563	0.073313	0.153932	0.129337	1.076271	-0.01644	15.12198	0.000194	0.000467
LOC114258738	2.361265	2.236191	2.439786	0.426393	0.380491	0.322383	2.543417	1.440991	192.131	5.86E-24	8.75E-23
LOC114258747	12.54179	11.98637	12.76426	28.18596	27.28274	26.84999	-1.2464	4.684223	543.9531	1.05E-39	5.19E-38
LOC114258752	3.067102	2.812685	3.057277	5.862838	6.019165	5.779912	-1.08598	2.10535	78.71813	6.85E-14	4.43E-13
LOC114258764	6.952666	7.152573	7.153055	2.412844	2.103341	2.671265	1.456163	3.174495	272.4425	7.71E-29	1.67E-27
LOC114258789	1.028499	1.037093	1.113188	0.223239	0.285628	0.253177	1.931654	0.479026	63.35227	5.23E-12	2.87E-11

LOC114258818	2.558181	2.321746	2.481759	1.135361	0.906191	1.034799	1.1632	2.624406	115.6391	8.9E-18	7.97E-17
LOC114258821	0.97119	0.913795	0.993999	0.483685	0.323712	0.420554	1.138584	0.713663	30.24268	3.6E-07	1.24E-06
LOC114258823	0.641138	0.550939	0.389299	1.932234	1.64212	1.692793	-1.81819	1.059079	97.68421	5.51E-16	4.26E-15
LOC114258833	2.78557	2.205384	2.167941	15.45474	16.57082	16.21125	-2.85266	4.297618	1703.26	1.79E-56	3.2E-54
LOC114258837	1.007847	0.930818	1.082479	0.308778	0.275538	0.295714	1.673734	0.869781	67.15213	1.72E-12	9.85E-12
LOC114258854	1.76133	1.475228	1.553917	3.312189	2.881116	3.30322	-1.08498	3.068588	153.4406	4.44E-21	5.2E-20
LOC114258858	3.225877	2.692198	3.836298	0.68989	0.706156	0.521605	2.243562	0.721232	91.64498	2.42E-15	1.78E-14
LOC114258874	1.297808	0.867664	0.980345	27.57296	26.70217	27.20154	-4.77865	3.428515	2002.657	7.49E-63	2.11E-60
LOC114258870	5.282364	4.190588	4.287012	0.654709	0.945075	1.650018	1.923206	0.615009	65.53197	2.75E-12	1.55E-11
LOC114258921	1.066095	0.783948	1.051836	2.96628	3.082925	3.438829	-1.81185	1.546977	139.0425	6.91E-20	7.34E-19
LOC114258916	1.70931	1.241729	1.302547	0.250582	0.27622	0.113675	2.639003	0.003247	65.92962	2.45E-12	1.39E-11
LOC114258950	0.797549	0.780903	0.6858	1.449802	1.836367	1.286786	-1.11429	0.065026	19.83239	2.44E-05	6.71E-05
LOC114258968	0.19877	0.044763	0	2.673826	2.332879	2.349426	-4.84208	-0.03166	157.1949	2.71E-21	3.24E-20
LOC114258987	7.090233	6.72302	7.106972	2.543838	2.403519	3.632935	1.164991	2.270596	87.06822	7.68E-15	5.41E-14
LOC114258989	0.768788	0.729865	0.8447	0.246621	0.258908	0.310771	1.395658	0.202915	29.88929	4.13E-07	1.41E-06
LOC114258977	0.053954	0.030376	0	3.874133	4.942359	3.70774	-7.08277	1.255461	482.0166	2.34E-37	9.69E-36
LOC114258975	0.63351	0.580619	0.631314	1.258735	1.321448	1.329668	-1.18936	2.581565	127.9692	6.44E-19	6.34E-18
LOC114258997	1.117158	1.174057	1.57116	0.379082	0.191878	0.491335	1.745911	0.813381	61.48881	1.74E-11	9.11E-11
LOC114258999	1.305307	1.344304	1.661568	0.665546	0.683515	0.61259	1.027634	1.046888	31.51851	2.21E-07	7.77E-07
LOC114259012	0.934372	0.97695	1.063299	4.792256	5.158382	4.724023	-2.40567	1.438207	210.2294	3.59E-25	5.93E-24
LOC114259020	0.723928	0.373606	0.231994	1.096643	1.5974	1.119337	-1.59818	-0.13765	30.45786	4.19E-07	1.43E-06
LOC114259062	2.890423	2.786993	2.500508	0.966303	0.689506	0.547944	1.820935	1.686009	129.0233	5.18E-19	5.13E-18
LOC114259073	0.357107	0.449407	0.49623	0.763713	0.88695	0.952743	-1.12178	0.94715	37.846	2.13E-08	8.38E-08
LOC114259082	778.5207	723.7231	812.5977	219.7003	214.6148	225.5007	1.705003	8.663134	4098.352	4.35E-49	4.2E-47
LOC114259083	4.957624	4.885788	5.102263	2.366299	1.995282	2.195121	1.08998	3.54417	218.4697	1.07E-25	1.83E-24
LOC114259089	0.182627	0.205638	0.313531	2.261639	2.058468	1.945272	-3.2547	1.640259	352.8057	9.81E-33	2.83E-31

LOC114259124	115.5831	101.2182	109.7064	3.648577	4.328302	4.193039	4.629586	5.946121	8314.179	4.01E-69	1.77E-66
LOC114259170	1.641335	1.493388	1.473989	0.489578	0.53094	0.495868	1.495789	2.606926	180.3219	4E-23	5.61E-22
LOC114259193	0.936146	0.890127	1.028582	0.11345	0.163765	0.200144	2.428254	0.780095	110.1229	3.04E-17	2.59E-16
LOC114259203	3.935975	3.764732	3.906109	10.34768	10.02526	9.859439	-1.48291	3.33595	365.1513	2.86E-33	8.61E-32
LOC114259204	5.211767	5.37051	4.546403	2.239324	1.808378	1.693085	1.309536	1.763078	79.32082	5.82E-14	3.8E-13
LOC114259210	4.444623	4.617373	4.970698	25.00807	26.96086	25.99829	-2.58236	4.160676	1473.658	3.3E-57	6.32E-55
LOC114259217	1.782916	1.412727	1.741302	0.280088	0.315046	0.39328	2.188083	0.545852	79.5007	5.55E-14	3.64E-13
LOC114259223	2.040741	1.939337	2.242247	0.894538	0.725045	0.716117	1.321435	1.607972	74.41508	2.21E-13	1.37E-12
LOC114259263	16.14945	15.36101	15.76556	1.222338	0.929803	1.127804	3.752777	4.445965	2490.062	6.61E-67	2.59E-64
LOC114259279	2.89638	3.700341	2.896776	6.041366	6.112049	6.838782	-1.11391	2.968469	140.8	8.47E-20	8.95E-19
LOC114259269	36.10093	34.54975	32.08589	12.92498	12.17569	11.45905	1.391338	4.035811	431.5547	6.47E-36	2.41E-34
LOC114259284	1.983539	1.927507	1.731576	7.359619	8.478177	7.20756	-2.134	2.435931	317.0308	4.26E-31	1.1E-29
LOC114259287	0.569228	0.721068	0.469076	0.90541	1.273017	1.418003	-1.16073	-0.29145	16.29775	0.000114	0.000286
LOC114259303	0.520121	0.680116	0.774262	2.012974	2.713624	2.490462	-1.99467	1.493647	151.6647	6.17E-21	7.14E-20
LOC114259330	0	0	0	5.639976	4.988215	5.666149	-9.73002	0.962277	442.566	6.71E-36	2.5E-34
LOC114259306	1.991431	1.740769	1.612261	0.238162	0.300033	0.324121	2.493932	0.380069	84.76953	1.39E-14	9.54E-14
LOC114259346	7.773363	7.065505	8.669547	20.94051	18.76666	20.40202	-1.45713	4.187821	530.5318	2.73E-39	1.31E-37
LOC114259382	1.501981	1.849779	2.217576	0.426614	0.671804	0.774121	1.411663	-0.16048	22.20166	8.99E-06	2.61E-05
LOC114259393	6.5437	5.737065	6.572388	2.201988	2.091251	2.488704	1.365937	3.36161	283.1057	2.1E-29	4.78E-28
LOC114259397	0.972048	0.739159	0.998677	2.501351	3.071666	2.377008	-1.65552	2.112977	159.6842	2.14E-21	2.58E-20
LOC114259424	1.890787	1.458464	1.930263	3.734816	3.196379	3.37626	-1.05934	2.417102	86.52497	8.82E-15	6.18E-14
LOC114259464	4.83153	6.728782	5.238753	1.964587	1.728832	1.135867	1.709115	0.851168	63.37222	5.38E-12	2.95E-11
LOC114259466	24.18379	23.21128	24.07222	5.916712	6.361772	6.734221	1.796943	3.687053	592.9445	3.77E-41	2.05E-39
LOC114259448	3.711294	3.461633	3.560426	1.006936	0.911751	0.570985	2.026183	1.316016	121.6893	2.41E-18	2.26E-17
LOC114259577	0.55195	0.503914	0.557279	1.843988	1.451895	1.373681	-1.61477	1.110249	82.97976	2.21E-14	1.49E-13
LOC114259579	7.545161	7.752449	6.683961	3.000322	3.307294	2.462891	1.223673	1.745955	69.49267	8.78E-13	5.16E-12

LOC114259588	1.010718	1.111599	1.187996	0	0	0	8.182144	-0.2756	120.532	4.12E-18	3.79E-17
LOC114259691	19.36896	18.14072	17.89939	8.802326	8.270411	8.683887	1.001622	4.490928	304.3825	1.75E-30	4.3E-29
LOC114259738	4.039516	3.191277	3.507756	0	0.093254	0.089547	5.560974	0.850761	252.2436	1.01E-27	2E-26
LOC114259783	1.21417	0.901078	0.848947	2.357631	1.895816	2.351427	-1.24222	0.842808	42.43255	4.23E-09	1.78E-08
LOC114259791	4.473763	4.866016	4.336458	0.681257	0.586686	0.692136	2.696414	2.746323	503.4334	2.01E-38	9.02E-37
LOC114259843	26.05166	18.99282	23.94131	53.35877	45.36362	42.57047	-1.12775	4.156132	79.30621	5.62E-05	0.000147
LOC114259883	1.146263	0.79427	0.944585	0.200356	0.315507	0.302966	1.67848	-0.07696	32.14196	1.75E-07	6.21E-07
LOC114259897	1.736605	1.802476	1.854782	0.546715	0.416579	0.773373	1.51488	1.9123	108.0821	6.27E-17	5.22E-16
LOC114259927	1.56998	1.87044	1.802906	0.607614	0.594394	0.709979	1.337845	1.857201	88.40244	5.46E-15	3.9E-14
LOC114259935	0	0	0	0.458638	0.690831	0.467375	-8.36861	-0.38522	158.7655	2.49E-21	2.98E-20
LOC114259970	0.475479	0.301156	0.35917	1.134441	1.020824	0.918982	-1.51188	0.553806	49.84249	3.5E-10	1.64E-09
LOC114259972	16.96837	17.0258	15.88619	0.279904	0.220387	0.275115	5.897034	4.016157	2784.258	5.36E-69	2.3E-66
LOC114259977	183.0223	168.8899	192.7746	358.4402	379.5423	412.4555	-1.1845	8.803094	273.9382	5.22E-05	0.000137
LOC114259989	0.388687	0.161244	0.449544	3.346882	2.928025	2.895989	-3.2697	1.342578	280.1112	5.14E-29	1.13E-27
LOC114260025	0.39824	0.807151	0.525075	1.013501	1.215995	1.021703	-1.03278	-0.00128	15.66972	0.000151	0.000371
LOC114260040	0	0.03	0.029274	1.162383	1.258429	1.098553	-5.761	-0.51726	129.884	4.34E-19	4.33E-18
LOC114260047	1.774958	1.929682	1.681225	0.185434	0.116804	0.140201	3.500114	0.630938	154.645	3.56E-21	4.21E-20
LOC114260091	0.756404	0.713594	0.718783	0.074325	0.117042	0.084292	2.825972	-0.48602	50.7531	2.6E-10	1.23E-09
LOC114260098	15.80443	15.63107	15.37551	3.616602	4.127407	4.362756	1.833758	3.714504	614.7961	9.24E-42	5.31E-40
LOC114260194	1.070956	1.007665	1.096108	0.053337	0.062994	0.040327	4.186219	0.332385	146.6322	1.59E-20	1.77E-19
LOC114260196	4.873072	5.412415	5.135707	1.68731	1.660664	2.095832	1.382652	1.696889	85.59405	1.12E-14	7.76E-14
LOC114260217	6.899322	6.776368	6.848493	1.914471	1.599679	1.447473	1.958371	2.581164	275.043	5.6E-29	1.23E-27
LOC114260212	7.761656	7.300143	9.130036	1.82591	2.091142	2.008022	1.907678	0.813734	78.81213	6.68E-14	4.33E-13
LOC114260205	5.773951	4.759557	4.764046	2.614101	1.933513	2.036335	1.132138	2.349678	85.85057	1.05E-14	7.28E-14
LOC114260250	0.157767	0.532936	0.577817	1.529558	2.333375	2.023792	-2.35012	-0.45693	48.30613	5.8E-10	2.66E-09
LOC114260254	17.46485	20.00059	19.22571	3.607726	3.882156	3.045923	2.323467	3.341723	643.252	4.62E-42	2.71E-40

LOC114260253	0.742045	0.69023	0.797592	0.175944	0.438686	0.199539	1.309496	0.066734	22.66835	7.41E-06	2.18E-05
LOC114260280	0.170889	0.080175	0.078235	5.203326	5.809071	5.656459	-5.71528	2.619419	1132.894	1.91E-52	2.43E-50
LOC114260283	1.22295	1.514743	1.451203	3.379119	3.395772	3.395261	-1.38888	1.590463	89.56119	4.08E-15	2.94E-14
LOC114260303	49.44087	46.45747	51.19823	22.67272	23.63571	21.80483	1.005043	4.427331	292.3038	7.06E-30	1.65E-28
LOC114260344	3.491458	3.754286	3.317804	0.800503	1.035476	1.210473	1.65804	1.182744	81.27793	3.46E-14	2.31E-13
LOC114260348	1.23519	0.927214	1.215784	0.467782	0.368316	0.459779	1.28158	0.010807	21.92995	1.01E-05	2.91E-05
LOC114260355	3.119789	2.748308	2.742274	14.64509	16.33784	15.0831	-2.52345	3.937105	1258.634	2.42E-54	3.53E-52
LOC114260410	0.089989	0.086852	0.08475	0.373906	0.441602	0.512393	-2.43863	-0.58669	49.63837	3.74E-10	1.75E-09
LOC114260382	0.767445	1.016636	0.942426	0	0.161535	0.093068	3.155411	-0.36689	59.16255	1.85E-11	9.67E-11
LOC114260439	0.076541	0.046407	0.077629	0.203355	0.210677	0.186119	-1.6607	-0.45169	28.51015	7.05E-07	2.34E-06
LOC114260465	223.7201	219.9623	234.215	473.5265	474.54	473.4656	-1.17397	9.092321	2563.948	1.76E-23	2.55E-22
LOC114260496	0.845187	0.660348	0.928642	0.156775	0.172815	0.237066	1.962875	-0.03047	42.93633	3.55E-09	1.51E-08
LOC114260484	6.337677	6.648643	6.509331	0.250451	0.112684	0.297564	4.765613	2.37183	680.2804	1.75E-43	1.13E-41
LOC114260531	0.152962	0.172235	0	5.28309	6.057147	5.185692	-5.66085	0.752934	312.2546	7.23E-31	1.83E-29
LOC114260538	1.575226	1.806547	1.538459	2.43926	3.507167	3.688502	-1.09904	1.365941	47.17787	8.43E-10	3.8E-09
LOC114260583	0.496924	0.201433	0.393114	0.505859	0.768143	0.901524	-1.10829	-0.1686	15.52767	0.000165	0.000402
LOC114260603	2.423547	2.68061	2.709983	1.208609	0.767434	0.972747	1.318206	1.379942	62.00497	7.81E-12	4.23E-11
LOC114260611	3.618724	3.274973	4.050362	10.82021	10.50412	10.36549	-1.63575	2.687944	247.4455	1.9E-27	3.67E-26
LOC114260613	0.391229	0.330392	0.459168	0.210122	0.139991	0.195529	1.018336	0.090587	15.22672	0.000185	0.000447
LOC114260624	0.513848	0.392615	0.625077	13.0438	10.84812	13.77152	-4.71313	3.460992	1783.779	9.81E-52	1.2E-49
LOC114260628	0.972048	0.851296	1.06803	0.458114	0.412232	0.445328	1.031149	0.339232	19.2139	3.19E-05	8.61E-05
LOC114260676	1.072864	1.155519	1.025044	0	0	0	8.170759	-0.28632	119.7091	4.91E-18	4.48E-17
LOC114260663	0.6993	0.746506	0.718458	0.313674	0.220979	0.249641	1.374094	0.784695	44.59969	2.01E-09	8.73E-09
LOC114260667	1.395692	1.19286	1.237889	0.366812	0.409156	0.34667	1.659908	0.658882	56.54368	4.13E-11	2.1E-10
LOC114260727	2.842504	3.067984	2.848079	0.803186	1.096163	1.052592	1.441575	2.023657	112.1998	1.91E-17	1.65E-16
LOC114260770	12.2049	11.75237	10.21937	4.81979	4.698499	5.263697	1.101311	2.558721	97.47409	5.8E-16	4.47E-15

LOC114260799	0.028031	0	0	1.681536	1.323985	1.232832	-6.69071	-0.36088	153.6174	4.3E-21	5.05E-20
LOC114260836	1.750493	1.950939	1.511196	0.714345	0.766979	0.785593	1.086116	1.132991	37.01536	2.88E-08	1.12E-07
LOC114260838	9.161669	8.36994	8.650871	3.941755	3.92818	3.805032	1.060846	4.559225	352.0828	1.05E-32	3.04E-31
LOC114260819	0.558498	0.914716	0.864681	0.138443	0.327016	0.139563	1.785271	-0.55482	23.20205	5.94E-06	1.77E-05
LOC114260851	8.804135	8.462021	9.753637	2.608443	1.98418	2.540416	1.822002	2.819706	289.4771	9.84E-30	2.29E-28
LOC114260879	0.077265	0.087001	0.042447	2.177047	2.432964	2.44245	-5.08182	-0.04754	173.7999	1.2E-22	1.6E-21
LOC114260955	1.532447	1.709846	1.484774	0.227922	0.338977	0.172325	2.557596	1.053127	140.31	5.39E-20	5.77E-19
LOC114260937	2.847259	3.087266	3.215302	0.143772	0.037734	0.144936	4.678161	0.93977	246.9554	2.03E-27	3.91E-26
LOC114260962	5.538047	4.68706	5.229818	0.92118	1.217478	1.243707	2.066172	2.39866	258.6233	4.4E-28	8.99E-27
LOC114260987	0.021213	0.035829	0.011654	0.616992	0.622429	0.641422	-4.79123	-0.08066	161.2974	1.06E-21	1.31E-20
LOC114261036	1.130679	1.374185	1.400079	2.218497	3.005472	2.960009	-1.19373	1.790902	72.94889	3.32E-13	2.03E-12
LOC114261041	0.727292	0.796796	0.885496	0.285857	0.337611	0.351207	1.174975	-0.06	17.93518	5.55E-05	0.000145
LOC114261091	1.95672	1.857035	2.05779	4.624058	4.481019	4.533418	-1.31784	1.837631	96.40145	7.51E-16	5.73E-15
LOC114261113	5.310883	4.16003	6.596413	17.62948	16.69008	17.61347	-1.79182	1.59313	138.3135	7.98E-20	8.44E-19
LOC114261120	0.314827	0.425394	0.345914	0.981086	1.017091	1.026114	-1.5889	1.232795	89.08181	4.6E-15	3.31E-14
LOC114261137	1.087621	1.15262	1.124719	0	0	0	7.764683	-0.63714	89.2601	5.38E-15	3.85E-14
LOC114261128	4.342292	4.752963	4.349429	1.578702	1.271925	1.637743	1.477936	2.176494	129.8229	4.4E-19	4.38E-18
LOC114261110	0.123094	0.083162	0.108199	0.984559	1.550418	1.387283	-3.71169	-0.15207	118.3274	4.95E-18	4.52E-17
LOC114261191	21.30414	22.65154	23.57311	6.079612	5.792127	6.113492	1.803052	4.662234	968.6419	1.19E-49	1.2E-47
LOC114261201	1.334521	1.502668	1.231687	0	0	0.036683	6.172184	-0.16377	121.1259	2.71E-18	2.54E-17
LOC114261238	2.556474	2.39407	2.82281	0.943246	0.797023	0.834919	1.495992	2.060315	123.5627	1.62E-18	1.54E-17
LOC114261212	0	0.151089	0.105308	2.717958	2.469264	2.7663	-5.06275	1.125396	346.6875	3.52E-29	7.86E-28
LOC114261332	25.51165	24.81004	25.13965	10.64768	10.00467	10.81771	1.156893	5.536111	827.7039	7.01E-47	5.64E-45
LOC114261335	10.53108	10.15559	10.76899	5.117603	4.178666	5.087366	1.027591	2.163094	67.74597	1.45E-12	8.34E-12
LOC114261390	0.527873	0.392898	0.511183	0.992107	0.998849	0.90996	-1.11323	1.31715	48.55073	5.35E-10	2.46E-09
LOC114261394	4.420933	4.205519	3.824555	1.616531	1.63646	1.431732	1.309143	1.792772	82.63958	2.42E-14	1.63E-13

LOC114261429	0.839922	0.88737	0.93425	0.131948	0.118733	0.071259	2.9527	0.636604	127.4634	7.15E-19	7.02E-18
LOC114261458	0.626331	0.835849	0.688176	1.518078	1.660116	1.498481	-1.23114	0.61504	36.14484	3.95E-08	1.51E-07
LOC114261465	1.648255	1.998696	1.764571	4.532764	3.871399	4.879241	-1.40168	1.186247	68.37078	1.21E-12	7.02E-12
LOC114261649	3.37203	3.047192	3.044227	1.249375	1.506315	0.915096	1.26701	1.656552	68.24778	1.25E-12	7.26E-12
LOC114261654	1.264808	1.424171	1.755407	3.267276	3.14422	2.775263	-1.14971	1.654242	63.09252	5.65E-12	3.1E-11
LOC114261622	3.5366	3.446586	3.77219	1.353454	1.480089	1.421258	1.22567	1.894954	79.6405	5.35E-14	3.51E-13
LOC114261733	0.364518	0.397416	0.400511	0.115697	0.082815	0.10338	1.843019	0.456049	57.40147	3.17E-11	1.62E-10
LOC114261775	14.90646	14.23214	14.18954	32.92465	32.83896	33.73661	-1.30445	4.99108	786.3238	5.5E-46	4.2E-44
LOC114261779	1.568692	1.8485	2.004172	0	0	0	8.257453	-0.20865	126.2991	1.24E-18	1.19E-17
LOC114261781	3.013349	3.010221	3.005271	0.758455	0.6193	0.615922	2.085168	1.870269	192.0261	5.96E-24	8.89E-23
LOC114261782	0.197885	0.086651	0.205345	0.35972	0.534992	0.604385	-1.72541	-0.05438	38.91995	1.5E-08	5.99E-08
LOC114261808	2.549364	2.698344	2.857115	5.839205	5.03546	4.870346	-1.05479	2.255622	79.65958	5.32E-14	3.49E-13
LOC114261809	156.3627	151.0914	155.1153	300.6726	289.3147	295.5821	-1.04226	7.82918	1317.692	1.13E-22	1.51E-21
LOC114261827	0.528658	0.496056	0.629263	1.601675	1.261105	1.574272	-1.51105	-0.42899	24.58993	3.37E-06	1.03E-05
LOC114261847	2.699417	2.56672	2.087158	1.054109	0.80135	1.016836	1.259856	1.408139	57.85163	2.76E-11	1.42E-10
LOC114261858	0.537432	0.546313	0.516686	1.302606	1.068363	1.046415	-1.185	1.781779	73.92481	2.53E-13	1.56E-12
LOC114261900	5.497326	5.662682	5.50324	12.88007	12.29782	13.06826	-1.30381	3.781768	392.9373	2.02E-34	6.66E-33
LOC114261948	1.602429	1.562287	1.610356	0.355235	0.335641	0.537165	1.826778	0.718591	68.49394	1.17E-12	6.79E-12
LOC114261949	1145.256	1114.002	1130.174	2702.747	2766.604	2735.033	-1.38094	10.65608	6616.129	1.38E-27	2.71E-26
LOC114261952	0.112104	0.17672	0.197077	1.222708	1.54035	1.170973	-3.11426	0.031036	109.4024	3.57E-17	3.03E-16
LOC114261959	1.590055	1.659394	1.661838	0.634486	0.610589	0.799526	1.139995	-0.00716	17.77513	5.95E-05	0.000155
LOC114261978	1.032727	0.830606	0.830762	0.502852	0.422324	0.304153	1.056095	0.212572	17.78244	5.93E-05	0.000154
LOC114261986	4.558555	5.044678	4.779051	1.115966	0.97215	0.95146	2.144242	2.746511	361.9754	3.92E-33	1.17E-31
LOC114262078	2.180285	2.051937	2.216796	1.005631	0.838376	1.118128	1.013336	0.626049	23.12913	6.12E-06	1.82E-05
LOC114262083	7.842023	8.186507	8.453074	40.00239	39.98833	37.44046	-2.36776	5.996714	3803.625	1.46E-73	8.92E-71
LOC114262084	0.402078	0.503043	0.29452	0.040606	0.015986	0.138154	2.424483	-0.44513	37.79713	3.15E-08	1.22E-07

LOC114262109	0.214329	0.254379	0.299139	0.02106	0.016582	0.023884	3.474167	-0.26769	74.99304	1.88E-13	1.18E-12
LOC114262123	0.266668	0.312278	0.281279	0.465365	0.580153	0.586414	-1.04432	0.302286	21.17188	1.38E-05	3.93E-05
LOC114262147	5.933527	5.438777	4.633633	11.58836	11.51064	12.19886	-1.24386	3.415884	261.8756	3.16E-28	6.54E-27
LOC114262203	0.960367	0.602732	0.830318	2.3754	2.523792	1.947435	-1.60359	1.588909	108.3478	5.91E-17	4.92E-16
LOC114262195	0.524191	0.489054	0.724052	0.108901	0.107181	0.205842	1.884248	-0.2744	32.49814	1.53E-07	5.47E-07
LOC114262281	6.172898	5.889778	5.765057	0.634885	0.755644	0.569323	3.077685	3.595167	1175.098	4.2E-53	5.71E-51
LOC114262362	2.621924	2.910305	2.839858	1.061663	0.818132	0.768534	1.572832	2.173854	142.047	3.84E-20	4.16E-19
LOC114262367	11.49791	10.89534	11.35351	5.266004	4.730458	4.939207	1.074134	4.606306	371.1063	1.6E-33	4.88E-32
LOC114262372	0.785877	1.050814	1.079345	2.232164	1.862983	1.856439	-1.12767	0.898381	36.68464	3.24E-08	1.25E-07
LOC114262403	0.114359	0.144863	0.188476	1.741024	1.452664	1.689625	-3.5372	0.927172	245.4833	2.47E-27	4.75E-26
LOC114262421	0	0.124693	0.040558	0.469711	0.545947	0.422779	-3.24044	-0.54078	63.40349	5.33E-11	2.67E-10
LOC114262416	63.43664	62.67805	62.49667	15.31239	16.71746	16.88844	1.836563	4.758726	1091.03	9.03E-52	1.11E-49
LOC114262434	1.091233	1.06425	0.896877	0	0	0.023619	6.569368	0.938472	283.7206	1.95E-29	4.45E-28
LOC114262440	1.009256	1.001132	1.557756	0.393139	0.447119	0.363294	1.448985	0.12961	28.5519	6.94E-07	2.31E-06
LOC114262450	2.846179	2.374634	2.741023	7.589344	7.362129	8.177049	-1.64229	4.212324	677.8957	2E-43	1.29E-41
LOC114262516	1.899676	2.229572	2.054123	0.730851	0.71931	0.925562	1.260275	2.118892	92.7595	1.83E-15	1.36E-14
LOC114262550	68.61939	67.6713	66.442	144.4585	143.182	145.8035	-1.20148	8.076573	1886.233	2.79E-28	5.8E-27
LOC114262572	0.092814	0.243852	0.339927	2.587018	2.612586	2.423697	-3.59565	0.456911	173.5409	1.25E-22	1.67E-21
LOC114262615	1.973599	2.421008	2.062696	0.700029	1.079393	0.882118	1.146906	1.556255	53.24093	1.17E-10	5.71E-10
LOC114262637	0.807365	0.826447	0.842284	0.311319	0.23345	0.235379	1.577205	1.068314	69.55853	8.62E-13	5.07E-12
LOC114262678	0.509794	0.636649	0.631422	0.235891	0.225533	0.318482	1.059508	0.564021	23.37893	5.52E-06	1.65E-05
LOC114262747	1.525746	1.181116	1.073944	0.910066	0.375339	0.360419	1.17393	0.298316	20.85566	1.8E-05	5.04E-05
LOC114262733	5.494674	5.597753	5.438296	1.704359	2.246994	2.367454	1.260797	2.411329	112.843	1.65E-17	1.44E-16
LOC114262792	10.15119	10.91534	10.65112	3.657362	4.057736	4.713444	1.230335	2.295493	101.7631	2.09E-16	1.66E-15
LOC114262796	6.322764	5.254808	5.513559	1.68756	1.005524	1.034524	2.130169	2.079853	209.2114	7.3E-25	1.17E-23
LOC114262805	1.02097	0.781288	0.958416	0.018019	0.028375	0.013624	5.317536	0.632296	213.2926	2.28E-25	3.83E-24

LOC114262820	2.610574	2.330604	2.15126	0.949112	0.960813	1.281419	1.03394	1.513502	43.91939	2.53E-09	1.09E-08
LOC114262880	9.100817	9.813567	8.778017	2.451911	1.697189	1.955673	2.095068	3.506176	597.6063	1.06E-38	4.89E-37
LOC114262898	1.329768	1.2032	1.095804	0.388491	0.407847	0.489544	1.375002	0.187221	28.66013	6.65E-07	2.22E-06
LOC114262904	2.029593	2.47352	2.990822	0.737888	0.478461	0.721981	1.845448	1.054824	83.17011	2.32E-14	1.57E-13
LOC114262960	1.913884	1.788215	1.386995	0.370117	0.291418	0.223867	2.429432	-0.2457	49.34841	4.11E-10	1.91E-09
LOC114262918	1.091871	1.084803	1.270253	0.077836	0.168536	0.279536	2.526543	0.979602	126.12	1.32E-18	1.27E-17
LOC114262919	0.747587	0.987474	0.821405	0.418147	0.308658	0.355667	1.140074	0.445416	24.37801	3.67E-06	1.12E-05
LOC114262963	4.558504	4.221837	4.228055	0.14349	0.367182	0.352587	3.73982	1.852238	388.9559	2.93E-34	9.51E-33
LOC114262927	9.263699	8.866268	9.276896	1.202839	1.231198	1.273203	2.775615	3.545625	1044.839	5.36E-51	6.22E-49
LOC114262930	0.784002	0.669207	0.666902	0.183894	0.307682	0.208555	1.469906	0.288941	34.19377	8.1E-08	2.99E-07
LOC114262994	2.645051	1.998114	2.464775	0.060864	0.047922	0	5.830478	0.268971	165.8557	4.74E-22	6.02E-21
LOC114263027	0.753064	0.798792	0.623565	0	0	0.015	6.560068	0.177841	161.2989	1.06E-21	1.31E-20
LOC114263011	1.29179	1.734274	1.310163	0.225793	0.320007	0.239001	2.325696	0.193268	64.77405	3.44E-12	1.92E-11
LOC114263013	0.480854	0.87232	0.572362	0	0.057353	0	4.734781	-0.21474	86.05079	2.59E-13	1.6E-12
LOC114263014	3.215954	2.752079	2.809135	0	0	0	10.13951	1.506456	484.7546	2.37E-37	9.8E-36
LOC114263031	4.921364	4.563543	4.857903	2.487703	2.147073	1.880877	1.048217	2.017002	63.07006	5.69E-12	3.12E-11
LOC114263059	15.77	15.78932	17.42082	35.17524	30.37998	33.85875	-1.12387	4.147314	325.3224	1.73E-31	4.56E-30
LOC114263127	12.44891	12.95883	13.12602	4.714561	4.547306	4.455671	1.386354	4.005884	444.2078	2.21E-36	8.59E-35
LOC114263128	1.421154	1.373637	1.547662	0.434378	0.48602	0.725981	1.263939	1.311603	54.51395	7.81E-11	3.87E-10
LOC114263165	8.264638	7.964564	7.25755	3.499715	3.227504	3.72783	1.062403	3.994948	256.6698	5.67E-28	1.15E-26
LOC114263187	4.747873	4.217773	5.033185	1.431236	1.434245	1.016531	1.756957	1.938816	146.1483	1.75E-20	1.94E-19
LOC114263241	1.08264	1.300321	1.070588	6.363351	6.50821	6.249518	-2.57245	1.679297	272.2223	7.92E-29	1.72E-27
LOC114263263	2.823976	2.406665	2.956806	0.543545	0.538924	0.608827	2.162541	2.181731	243.7086	3.13E-27	5.97E-26
LOC114263267	0.325767	0.23984	0.481835	0.865504	0.645602	0.843808	-1.26095	0.497487	32.78378	1.37E-07	4.94E-07
LOC114263346	2.132905	2.345794	2.316262	0.360674	0.212987	0.340868	2.787237	0.739043	128.5102	5.76E-19	5.69E-18
LOC114263337	6.93223	7.35291	6.989367	2.42675	2.221525	2.321123	1.507313	4.127385	536.5989	1.77E-39	8.59E-38

LOC114263383	2.809407	2.413546	3.155408	8.587325	7.83366	7.236265	-1.59331	2.975119	280.5648	2.86E-29	6.43E-28
LOC114263394	2.548701	2.671151	2.455704	5.916091	5.359657	5.254401	-1.20573	2.655448	137.154	1E-19	1.06E-18
LOC114263408	5.582694	4.999472	5.560003	2.017799	1.401836	1.794819	1.538719	1.748964	105.7384	8.26E-17	6.8E-16
LOC114263451	0.380977	0.2962	0.468428	0.032979	0.038949	0	3.87427	-0.34551	73.8573	2.79E-13	1.72E-12
LOC114263421	9.402116	8.855179	9.132758	4.175531	3.649874	4.735489	1.017206	3.364468	165.3693	5.16E-22	6.53E-21
LOC114263423	6.714093	6.606047	6.709606	0.058119	0.114403	0.065913	6.220035	2.669264	1021.003	1.38E-50	1.52E-48
LOC114263433	41.72554	41.85387	43.02235	0.84926	0.585094	0.601969	5.872133	4.432124	3641.116	4.77E-74	3.09E-71
LOC114263376	1.223776	0.823202	1.204913	2.542406	2.320274	2.664919	-1.30758	1.796422	87.53628	6.81E-15	4.82E-14
LOC114263455	0.023727	0.026717	0	0.862635	0.611289	0.913097	-5.36423	-0.87722	93.28797	1.61E-15	1.2E-14
LOC114263479	0.526698	0.70089	0.613778	1.479683	1.416339	1.403914	-1.32953	0.988991	54.37901	8.15E-11	4.03E-10
LOC114263486	593.4877	547.168	617.4758	226.3944	229.3722	237.0582	1.237516	8.900582	2215.348	1.81E-26	3.3E-25
LOC114263489	0.374263	0.4455	0.340723	0.019438	0.045915	0.161664	2.124704	-0.39752	33.43835	1.24E-07	4.51E-07
LOC114263498	11.49601	11.46262	11.35528	1.020258	0.747916	0.851185	3.619729	3.246956	1115.046	3.68E-52	4.62E-50
LOC114263519	1.096022	1.170008	1.37628	0.077625	0.305596	0.195633	2.470112	0.678298	97.70744	6.92E-16	5.29E-15
LOC114263561	3.494568	3.289814	3.430487	0.468627	0.450977	0.590525	2.632382	1.110625	159.1579	1.56E-21	1.9E-20
LOC114263566	1.540917	1.41376	1.567657	4.87601	5.064485	4.784741	-1.80586	2.372404	237.3659	7.4E-27	1.38E-25
LOC114263602	1.162251	1.085257	1.090134	2.525012	2.596715	2.493499	-1.2906	0.996689	52.72254	1.38E-10	6.7E-10
LOC114263592	18.95969	19.31086	19.90697	4.47552	5.240633	4.30929	1.942992	4.090088	786.8951	5.34E-46	4.09E-44
LOC114263644	0.385428	0.433991	0.433111	0.859876	0.927792	0.734402	-1.11245	1.151639	43.05689	3.41E-09	1.45E-08
LOC114263655	0.881418	1.116534	0.605282	3.605087	3.311612	1.892845	-1.82794	0.105533	46.57765	1.36E-09	5.99E-09
LOC114263654	1.04378	0.970895	0.897531	3.217341	2.435795	2.494907	-1.56593	1.319396	90.35618	3.34E-15	2.43E-14
LOC114263680	13.4231	13.5721	12.59343	4.939917	4.595285	4.337328	1.412436	4.599406	589.0991	4.86E-41	2.62E-39
LOC114263681	0.897553	0.631652	0.842362	2.345413	2.288302	2.492895	-1.68627	2.37755	202.3181	1.19E-24	1.87E-23
LOC114263684	5.195429	4.414122	4.852169	1.416654	1.352032	2.077264	1.455713	2.061665	112.7183	1.7E-17	1.48E-16
LOC114263690	0.292027	0.411027	0.641723	0.696743	0.862074	0.953233	-1.03524	0.164147	17.50239	6.8E-05	0.000176
LOC114263706	159.6053	146.7555	156.7764	43.5201	50.57701	50.36541	1.572468	6.554204	1080.541	6.22E-17	5.17E-16

LOC114263815	0.4968	0.298987	0.404686	2.896128	2.48873	2.919566	-2.87691	2.507274	504.6236	2.62E-38	1.16E-36
LOC114263889	5.057369	5.51663	6.656514	2.202584	2.412856	3.040995	1.041512	1.298216	37.81567	2.16E-08	8.47E-08
LOC114263901	1.634902	1.660416	2.254224	9.38207	7.341244	6.917263	-2.18138	2.217295	265.1965	2.97E-27	5.69E-26
LOC114263914	0.920187	0.809848	1.057533	0	0	0	9.087776	0.53182	228.8129	4.27E-26	7.54E-25
LOC114263930	0.900214	1.138121	1.058514	0.315802	0.316466	0.260475	1.684005	0.451909	48.74689	5.01E-10	2.31E-09
LOC114263956	2.971922	3.305815	3.206004	1.178711	1.263216	1.039719	1.3392	1.88333	90.94366	2.88E-15	2.11E-14
LOC114263962	0.547429	0.644422	0.710844	0.361865	0.267113	0.222296	1.076949	0.262312	19.03144	3.45E-05	9.27E-05
LOC114263978	0.243358	0.209545	0.110101	1.275101	1.147396	1.318212	-2.80982	0.625695	144.9192	2.21E-20	2.44E-19
LOC114264005	1.783047	2.158285	2.252974	0.810315	0.765618	0.857717	1.228222	0.092269	21.7147	1.1E-05	3.17E-05
LOC114264064	0.727457	0.614336	0.768545	0.330597	0.380439	0.2115	1.098812	0.239774	19.41271	2.93E-05	7.95E-05
LOC114264032	1.706725	1.323185	1.567832	0.406888	0.680786	0.192272	1.740394	0.211414	39.9057	1.13E-08	4.58E-08
LOC114264068	5.478816	5.514833	5.198921	1.207213	0.752494	0.912737	2.412229	1.822135	225.9018	3.66E-26	6.51E-25
LOC114264040	2.006552	1.684621	1.856575	0.57593	0.755779	0.580591	1.422373	1.152245	61.28237	9.71E-12	5.21E-11
LOC114264041	7.453921	6.766529	6.856689	0	0	0.019854	9.42972	2.866787	1281.166	1.16E-54	1.74E-52
LOC114264042	3.748955	3.240144	3.740618	26.85451	25.11796	25.40074	-2.95106	4.485188	2139.296	4.46E-64	1.43E-61
LOC114264079	0.920107	0.982078	0.947774	0.331033	0.137181	0.289803	1.827077	0.989069	79.15005	6.1E-14	3.97E-13
LOC114264080	1.888063	1.849581	1.51438	5.148243	5.080454	4.904462	-1.62663	2.465233	203.3238	1.02E-24	1.61E-23
LOC114264112	0.988836	1.054826	1.343799	0.189213	0.335206	0.679528	1.307025	-0.01896	20.56521	1.88E-05	5.24E-05
LOC114264115	0.826604	0.648708	0.908225	1.957958	1.649186	1.549207	-1.19665	0.641705	34.55668	7.08E-08	2.63E-07
LOC114264141	2.494361	2.49154	3.359517	1.023875	0.575832	0.884709	1.655395	0.534243	48.81386	4.9E-10	2.26E-09
LOC114264180	3.235949	2.831388	2.581681	0.599478	0.649012	0.623215	2.096941	1.41022	139.3426	6.51E-20	6.94E-19
LOC114264192	28.7986	28.55857	30.07935	57.64147	57.00527	60.00279	-1.10382	5.92902	950.0623	3.02E-49	2.97E-47
LOC114264281	0.207626	0.187029	0.288962	1.132282	0.812275	1.331687	-2.35721	0.558243	103.3475	1.44E-16	1.16E-15
LOC114264359	0.333392	0.259891	0.281778	2.424187	2.642848	2.150079	-3.12218	0.692589	179.5805	4.53E-23	6.3E-22
LOC114264315	1.071626	1.224658	1.071998	0.145375	0.114463	0.021983	3.512348	0.333117	117.3474	6.13E-18	5.56E-17
LOC114264351	0.259213	0.583746	0.142404	3.534019	3.47821	4.05248	-3.59671	0.927786	229.3926	2.86E-25	4.77E-24

LOC114264326	5.311697	5.440072	5.26779	1.427367	1.67918	1.625131	1.643097	3.488565	436.9784	4.07E-36	1.55E-34
LOC114264369	2.00001	1.501338	1.831246	0.242377	0.14313	0.412322	2.598182	0.049962	67.28766	1.65E-12	9.48E-12
LOC114264385	8.838489	8.246444	8.583285	4.119107	3.547861	3.957439	1.042695	3.896262	250.1164	1.33E-27	2.62E-26
LOC114264417	7.377816	6.772703	6.673873	2.746944	2.841393	2.769175	1.210677	2.323278	102.1286	1.91E-16	1.53E-15
LOC114264419	2.141123	1.700319	1.832506	4.097031	3.80652	3.128617	-1.04674	1.922607	61.65993	8.66E-12	4.67E-11
LOC114264563	3.304268	2.426477	2.367742	9.923897	9.304523	9.576399	-1.92239	2.394311	255.3528	6.72E-28	1.35E-26
LOC114264461	0.223571	0.197014	0.160204	0.777484	0.570426	0.667991	-1.87117	0.463618	68.55699	1.15E-12	6.68E-12
LOC114264469	22.52523	21.24856	21.72156	9.311052	8.788877	9.921596	1.11853	3.962762	294.8466	5.25E-30	1.24E-28
LOC114264503	2.304924	2.328172	2.755973	4.836916	4.778724	4.984763	-1.09008	2.726569	119.4624	3.88E-18	3.58E-17
LOC114264433	2.139004	1.837422	2.338098	0	0	0	10.20654	1.570674	500.2451	7.37E-38	3.19E-36
LOC114264515	0.789031	1.089406	0.939187	0.017075	0.013444	0	6.316511	0.71457	234.9636	1.03E-26	1.9E-25
LOC114264518	1.188634	1.229881	1.005975	0.262791	0.114952	0.154535	2.618468	0.427522	91.14402	2.74E-15	2.01E-14
LOC114264519	1.38469	1.460164	1.207473	3.915518	3.271699	3.685402	-1.52034	1.796863	119.2056	4.1E-18	3.77E-17
LOC114264521	0.370786	0.272983	0.329052	0.959186	1.163464	1.195619	-1.87461	0.642044	79.43335	5.65E-14	3.7E-13
LOC114264552	1.088877	1.306034	1.404463	0.301211	0.304924	0.292804	1.956347	0.137071	48.98658	4.63E-10	2.14E-09
LOC114264555	1.942306	1.593409	1.722518	0.479175	0.49643	0.400426	1.834501	1.318736	106.111	7.58E-17	6.26E-16
LOC114264556	3.072545	3.237497	3.097186	0.256208	0.484151	0.193711	3.197135	0.965234	174.7927	1.01E-22	1.37E-21
LOC114264622	3.504919	2.730305	3.366598	1.041851	1.79839	1.42394	1.041592	1.697518	47.62077	9.04E-10	4.06E-09
LOC114264681	11.39881	10.29344	12.25567	2.769639	3.015317	2.817906	1.871066	3.49596	528.2652	3.22E-39	1.54E-37
LOC114264686	60.60087	62.78504	60.5774	27.31278	26.9412	26.44394	1.084085	4.979725	515.8046	8E-39	3.69E-37
LOC114264719	0.527926	0.359795	0.274763	1.767824	1.431695	1.756672	-2.17021	1.174047	138.3716	8.64E-20	9.12E-19
LOC114264723	3.15181	2.707855	3.50306	0.662362	0.86051	1.051662	1.72807	1.753588	124.7242	1.27E-18	1.22E-17
LOC114264730	0.987639	0.993773	1.177514	9.817131	8.78236	9.935089	-3.27698	2.953549	902.597	2.11E-48	1.93E-46
LOC114264729	0.845901	0.780723	0.91419	19.93964	19.37169	21.9561	-4.694	4.573999	3955.386	1.3E-75	9.59E-73
LOC114264743	43.19133	40.25551	44.75836	423.9493	425.015	436.3962	-3.43119	7.619033	10733.61	1.17E-94	9.27E-91
LOC114264745	2.938186	2.692876	3.303384	12.48326	11.8827	10.28343	-2.05192	2.706645	357.9659	5.84E-33	1.71E-31

LOC114264744	39.43249	38.83422	38.36841	183.7322	187.5697	195.8067	-2.38689	6.486112	4614.833	1.55E-78	1.41E-75
LOC114264758	1.541839	1.553359	1.486038	3.835395	4.181346	4.015143	-1.49975	1.655871	108.9989	3.92E-17	3.31E-16
LOC114264836	202.7358	188.6003	199.1276	84.06159	77.92187	79.66792	1.184957	5.842648	989.793	4.93E-50	5.12E-48
LOC114264776	0.673763	0.654014	0.918983	2.555148	3.192337	2.746129	-2.0317	2.244689	248.3825	2.9E-27	5.55E-26
LOC114264777	2.79429	2.447172	2.93754	0.031355	0.024688	0.07112	5.779172	1.335244	377.8499	8.36E-34	2.61E-32
LOC114264823	0.356609	0.535388	0.783643	1.62063	3.487815	3.104117	-2.43601	-0.17639	61.76559	1.21E-11	6.44E-11
LOC114264795	1.608109	1.727155	1.413517	3.328013	2.691187	3.060256	-1.03038	1.519743	47.84911	6.75E-10	3.07E-09
LOC114264793	2.887748	3.106545	2.83083	15.94338	15.70312	16.20028	-2.54435	4.763231	2050.843	2.71E-63	8.29E-61
LOC114264826	11.95148	12.0751	11.75736	4.336712	4.93954	4.679533	1.245657	3.427801	259.9022	3.74E-28	7.68E-27
LOC114264874	5.211612	6.396685	6.133292	1.57148	1.767615	1.357884	1.808378	2.208284	180.0479	4.19E-23	5.86E-22
LOC114264878	1.852177	2.072178	2.008973	4.100744	3.296762	3.687901	-1.00049	2.868026	109.9404	3.16E-17	2.7E-16
LOC114264885	0.319662	0.503914	0.234151	1.084699	1.159075	1.259452	-1.84001	0.164147	52.41908	1.52E-10	7.34E-10
LOC114264886	81.40727	81.38368	78.49715	198.0043	194.3213	197.0729	-1.3936	8.53499	2911.308	1.16E-34	3.89E-33
LOC114264891	17.06436	17.27011	18.0797	37.79018	39.68912	40.62438	-1.27953	4.682325	565.9731	2.28E-40	1.18E-38
LOC114264956	30.72434	28.56033	27.45165	3.298913	4.892877	3.132262	2.821388	3.529301	880.9404	1.29E-38	5.86E-37
LOC114264974	7.392999	6.559495	6.863418	1.6161	1.406407	1.028956	2.277972	2.426611	299.819	2.95E-30	7.12E-29
LOC114264976	1.682093	2.029321	1.636964	5.329211	4.333617	3.996229	-1.44438	2.014556	117.9146	5.42E-18	4.93E-17
LOC114264957	0.538441	0.714549	0.718381	0.034957	0	0.02643	4.77047	-0.64053	71.19562	5.42E-13	3.25E-12
LOC114265026	0.410874	0.351609	0.370184	0	0.011762	0.022588	4.687177	-0.26517	96.97316	6.54E-16	5.02E-15
LOC114265028	3.486307	3.593632	3.53481	0.279595	0.27518	0.229009	3.653368	2.176442	491.7745	4.88E-38	2.14E-36
LOC114265029	1.702875	1.7507	1.464277	0	0	0	8.102467	-0.3467	113.4497	1.89E-17	1.64E-16
LOC114265031	2.508635	2.017656	2.296952	5.157427	4.616471	4.966571	-1.20663	1.885647	82.75696	2.34E-14	1.58E-13
LOC114265034	0.872966	1.128581	0.888115	3.643984	4.303725	3.95491	-2.1548	1.233111	150.3506	7.89E-21	9.04E-20
LOC114265074	2.757752	2.499326	2.611269	0.855895	1.411988	1.201788	1.049206	1.394873	41.42067	6.01E-09	2.49E-08
LOC114265133	0.848128	0.870726	0.877058	0.340091	0.464145	0.377128	1.012696	0.690584	24.13621	4.05E-06	1.23E-05
LOC114265144	1.07349	1.166085	1.35988	0.183662	0.090381	0.052073	3.41775	0.739632	154.8009	3.46E-21	4.1E-20

LOC114265165	7.785248	8.009875	8.486887	2.663942	3.102549	2.433735	1.457247	2.431005	148.4949	1.12E-20	1.26E-19
LOC114265179	0.124279	0.065304	0.127447	0.256039	0.462486	0.341618	-1.84911	-0.1729	40.53473	8.2E-09	3.36E-08
LOC114265183	15.3187	13.58507	14.77484	4.86793	4.801359	5.085415	1.459244	4.334417	557.4107	4.11E-40	2.09E-38
LOC114265184	3.355901	3.465149	3.702569	1.063145	1.116113	0.861227	1.689582	2.305911	177.0121	6.96E-23	9.52E-22
LOC114265191	1.787159	1.565151	1.227266	0.586577	0.675013	0.409379	1.359619	0.445957	32.54477	1.5E-07	5.37E-07
LOC114265244	0.076798	0.194567	0.137119	0.488616	0.494639	0.580529	-2.06158	0.102541	60.14001	1.37E-11	7.27E-11
LOC114265246	0.538298	0.454592	0.640738	1.365865	1.444616	1.433434	-1.48233	1.428728	89.88044	3.76E-15	2.73E-14
LOC114265258	8.336029	7.556992	7.862837	1.582143	0.941215	1.249375	2.573819	2.835771	487.0193	7.05E-38	3.05E-36
LOC114265274	2.567967	2.801165	2.292495	0	0.05743	0	6.496948	0.122609	154.6968	3.52E-21	4.17E-20
LOC114265291	0.052497	0.044334	0.043261	2.958356	2.817714	3.084514	-6.01999	1.810675	713.2697	2.68E-44	1.82E-42
LOC114265292	0.651833	0.709083	0.752613	0.341417	0.347885	0.280911	1.020841	1.52795	43.85886	2.59E-09	1.11E-08
LOC114265342	1.052608	0.883116	0.748352	0.187593	0.177246	0.198567	2.133819	-0.15745	44.24532	2.27E-09	9.79E-09
LOC114265360	1.863927	1.574083	2.047974	0.141179	0.518743	0.355803	2.255461	0.457046	73.66295	2.72E-13	1.68E-12
LOC114265430	0.572258	0.681182	0.449117	0.148609	0.140412	0.112359	1.972666	-0.42048	31.47206	2.25E-07	7.9E-07
LOC114265449	2.832391	2.923493	3.918898	0.095348	0.225221	0.180224	4.085228	1.041605	229.8652	2.09E-26	3.78E-25
LOC114265388	258.2175	244.2846	269.5768	541.6513	551.5489	551.0557	-1.19653	9.303845	2669.989	1.19E-23	1.75E-22
LOC114265387	1562.941	1495.519	1532.223	2980.643	3094.015	3085.744	-1.10235	10.68254	4116.547	2.4E-18	2.25E-17
LOC114265436	2.050751	2.639019	2.161277	4.032218	4.672396	4.544196	-1.06862	1.308314	44.47054	2.1E-09	9.1E-09
LOC114265394	0.812303	0.694253	1.064561	0.28465	0.532294	0.349725	1.00599	1.007461	26.65881	1.83E-06	5.8E-06
LOC114265396	19.49019	19.87964	18.50704	7.128072	6.414177	5.946835	1.472818	4.315931	537.2194	1.69E-39	8.23E-38
LOC114265409	5.248368	4.844306	5.060487	0.292059	0.281059	0.171747	4.251968	2.177978	558.7615	3.74E-40	1.91E-38
LOC114265411	2.093152	2.401354	2.299833	0.430752	0.367423	0.678497	2.066875	1.13914	109.4965	3.5E-17	2.97E-16
LOC114265466	1.143394	1.124489	1.081367	0.499889	0.352165	0.318274	1.439611	0.732138	46.10897	1.21E-09	5.35E-09
LOC114265495	12.29151	11.85765	12.04966	4.298052	4.128173	3.45705	1.510772	3.837389	466.6618	3.51E-37	1.44E-35
LOC114265532	3.62203	2.893801	3.137504	1.393338	1.14009	0.8469	1.43707	2.142655	111.862	4.51E-17	3.79E-16
LOC114265592	2.001686	2.375726	2.169615	0	0.038716	0	6.835202	0.427287	199.7668	1.77E-24	2.74E-23

LOC114265549	3.251447	3.747605	3.516241	1.489272	1.319178	1.266743	1.267444	1.557366	66.75938	1.93E-12	1.1E-11
LOC114265559	0.455671	0.379816	0.383627	2.183777	1.871895	1.813756	-2.35602	2.616056	420.5297	1.68E-35	6.04E-34
LOC114265635	2.14626	2.610019	2.358185	0.062424	0.073726	0.16519	4.365601	1.187376	276.783	4.52E-29	1E-27
LOC114265666	2.212332	2.503352	2.526576	0.950926	1.123091	1.153342	1.045022	2.289064	74.45129	2.19E-13	1.36E-12
LOC114265699	0.530349	0.5836	0.622448	1.073635	0.879848	1.82228	-1.24651	1.238473	37.74032	1.14E-06	3.71E-06
LOC114265711	2.894033	2.744148	3.012438	0.046148	0.109005	0	5.603658	0.894372	260.584	3.42E-28	7.06E-27
LOC114265715	1.839133	1.752266	1.509998	0.698034	0.578535	0.555539	1.386246	0.861302	47.58658	7.36E-10	3.34E-09
LOC114265731	2.023563	2.090301	1.624029	0.639735	0.692595	0.519961	1.530869	2.137159	126.5845	1.19E-18	1.15E-17
LOC114265749	0.931792	0.73069	0.895824	1.663585	1.881422	1.943851	-1.20873	1.317453	57.28845	3.28E-11	1.68E-10
LOC114265759	46.32276	45.19798	45.49223	20.03647	19.90979	20.54492	1.073951	6.440771	1030.928	2.16E-38	9.65E-37
LOC114265762	0.521845	0.382621	0.453364	0.176487	0.12159	0.083398	1.767015	-0.28967	29.34365	5.1E-07	1.72E-06
LOC114265821	0.026833	0.120856	0.029483	3.95099	3.45653	3.651051	-5.99741	1.090076	416.5079	2.4E-35	8.46E-34
LOC114265847	1.774373	1.563606	2.017389	0.75729	0.485845	0.678594	1.387439	1.295025	63.18658	5.49E-12	3.01E-11
LOC114265923	0.227996	0.042787	0.041751	3.66103	2.991349	3.290257	-4.95094	0.45618	231.6421	1.63E-26	2.98E-25
LOC114265925	0.585929	0.377003	0.321892	1.74983	2.15649	2.761031	-2.46991	-0.00237	75.74557	1.53E-13	9.64E-13
LOC114265872	2.364583	2.595231	2.494893	1.039682	0.928574	0.997256	1.22639	2.625454	128.3793	5.92E-19	5.84E-18
LOC114265880	5.406981	5.658373	5.589691	2.695289	2.617779	2.135446	1.063671	3.763939	227.1939	6.25E-26	1.09E-24
LOC114265882	3.284212	2.897414	2.86448	0.800118	0.775367	0.418808	2.099163	0.79895	88.00311	6.05E-15	4.31E-14
LOC114265899	5.039656	5.115998	5.049541	13.81299	13.7537	14.85789	-1.58789	3.495616	462.0571	5.09E-37	2.06E-35
LOC114265939	13.32554	15.28461	13.82141	4.06954	4.272292	3.809441	1.696752	2.948597	285.0187	1.67E-29	3.83E-28
LOC114265976	358.9903	346.5861	367.5532	117.5156	122.6037	132.0877	1.421687	7.473387	1984.088	1.37E-44	9.43E-43
LOC114265985	7.235116	6.651714	7.653531	0.559666	0.826242	1.031419	3.00981	2.647033	517.1666	7.23E-39	3.37E-37
LOC114266001	0	0	0	3.250311	2.258105	2.09607	-8.29822	-0.43938	151.7598	8.84E-21	1.01E-19
LOC114266003	1.744208	1.808924	1.790353	0	0	0	8.907963	0.369974	205.0904	1.3E-24	2.03E-23
LOC114266027	2.718465	2.905342	3.138766	11.22348	8.96889	9.182327	-1.83869	2.080017	195.7149	3.32E-24	5.05E-23
LOC114266022	20.98535	20.66093	20.21875	45.76756	41.73365	40.0748	-1.14653	5.193003	671.7161	2.32E-42	1.38E-40

LOC114266037	4.643402	4.639916	4.487534	1.701433	1.635418	1.704065	1.344459	2.960987	201.109	1.43E-24	2.24E-23
LOC114266083	3.163863	3.233922	3.113454	0	0.021983	0.010554	7.84618	2.641234	1046.076	5.1E-51	5.99E-49
LOC114266043	0.334538	0.452027	0.229732	0	0	0.011495	5.844334	-0.44605	87.85129	9.72E-15	6.77E-14
LOC114266121	2.015973	1.632793	1.515549	14.46584	14.47785	14.43708	-3.16439	2.817617	777.8869	8.47E-46	6.36E-44
LOC114266130	1.575858	1.731135	2.322692	0.419214	0.330075	0.316955	2.291688	-0.03035	53.26254	1.16E-10	5.68E-10
LOC114266162	1.38016	1.887069	1.444228	4.181473	3.52752	3.567962	-1.35778	1.319955	69.26292	9.38E-13	5.5E-12
LOC114266138	1.561754	1.852739	1.302294	0.430918	0.478998	0.325804	1.828814	1.163626	88.88698	5.34E-15	3.82E-14
LOC114266139	0.572774	0.5191	0.506534	0.025395	0.059986	0.115203	2.776437	-0.39974	51.93039	1.78E-10	8.55E-10
LOC114266169	1.216398	0.778217	1.184631	0.100509	0.158275	0.075992	3.099089	-0.41565	57.90169	2.72E-11	1.4E-10
LOC114266179	0.445762	0.435003	0.261214	1.242483	1.27603	0.980248	-1.69337	-0.26981	33.33167	1.12E-07	4.06E-07
LOC114266172	1.612274	1.783567	1.81291	3.530702	3.495188	3.848683	-1.17249	3.120886	190.4871	7.62E-24	1.13E-22
LOC114266181	2.008899	1.995897	2.077422	4.725885	2.875321	4.141546	-1.03263	0.645331	25.56907	2.27E-06	7.11E-06
LOC114266177	42.97534	44.20367	45.99974	8.303492	7.956968	8.386914	2.328514	6.037736	3798.311	7.58E-75	5.36E-72
LOC114266197	5.515342	5.74415	5.832521	11.95141	11.46643	11.8306	-1.14947	4.452195	412.0831	3.55E-35	1.24E-33
LOC114266217	0.623882	0.66034	0.658066	0	0.107155	0.068597	3.214318	-0.0456	78.38842	7.48E-14	4.83E-13
LOC114266215	0.345751	0.269525	0.204556	1.595455	1.370409	1.718029	-2.58916	0.102127	90.00177	3.65E-15	2.65E-14
LOC114266267	2.778847	2.600878	2.898641	0.255769	0.25173	0.22561	3.388847	1.973989	395.8069	1.55E-34	5.15E-33
LOC114266240	0.20833	0.268091	0.310652	1.271374	1.043635	1.47255	-2.37291	0.661057	115.6927	8.8E-18	7.88E-17
LOC114266286	0.431263	0.414968	0.465231	0.812466	0.909059	0.905256	-1.11275	1.371043	51.41492	2.1E-10	1E-09
LOC114266253	1.759238	1.549416	1.875534	0.664927	0.772846	0.933643	1.00262	1.181383	33.26037	1.15E-07	4.17E-07
LOC114266263	2.104991	2.153281	2.007076	0.44102	0.439162	0.402092	2.184484	2.420705	294.2601	5.62E-30	1.33E-28
LOC114266302	5.763788	5.066764	4.555254	2.067935	2.098598	2.46686	1.10246	2.151342	73.86921	2.57E-13	1.59E-12
LOC114266346	1.341977	1.305009	1.407464	4.269081	3.055756	3.563071	-1.51153	1.326878	85.33401	1.2E-14	8.29E-14
LOC114266378	1.447754	1.402703	1.442735	0.550833	0.674656	0.370194	1.324096	-0.03816	22.23817	8.86E-06	2.58E-05
LOC114266371	0.046252	0.02604	0	1.093024	0.728209	0.985326	-5.13057	-0.62755	108.3994	4.49E-17	3.77E-16
LOC114266406	6.208407	6.100244	6.081985	0.978712	0.939175	0.87872	2.614649	2.664043	464.8066	4.08E-37	1.66E-35

LOC114266483	0	0	0	1.188351	1.069334	0.984045	-7.84548	-0.86776	111.8525	2.69E-17	2.3E-16
LOC114266408	4.394149	3.831111	4.408935	2.218827	1.725192	1.719528	1.069831	2.600176	94.16042	1.3E-15	9.73E-15
LOC114266477	7.636827	8.344891	8.556238	17.71201	16.96116	17.47619	-1.19389	3.377349	249.6361	1.42E-27	2.78E-26
LOC114266449	3.912682	4.296077	4.085145	7.395643	8.163458	8.347302	-1.07295	3.244983	178.5459	5.38E-23	7.43E-22
LOC114266457	74.01906	70.86006	73.51625	23.67813	23.76844	22.87122	1.529484	6.365634	1941.449	2.81E-62	7.52E-60
LOC114266460	0.299339	0.711561	0.877058	1.632436	1.380535	1.50851	-1.37406	0.020381	26.41829	1.73E-06	5.5E-06
LOC114266568	5.792422	5.687309	5.726757	2.227037	2.199559	2.407532	1.223178	3.485802	264.8305	2E-28	4.2E-27
LOC114266569	52.30254	53.14197	48.9146	22.32884	23.6215	24.57844	1.023352	6.088183	764.8489	1.08E-40	5.7E-39
LOC114266571	3.357154	3.324708	3.466437	11.10251	11.28901	9.784055	-1.7653	2.420336	230.4945	1.92E-26	3.47E-25
LOC114266615	0.192826	0.128299	0.288909	0.525786	0.288536	0.361391	-1.01043	0.096699	15.25527	0.000195	0.00047
LOC114266660	0.449963	0.443326	0.324446	1.533662	1.368561	1.777985	-2.04187	1.107563	124.414	1.35E-18	1.29E-17
LOC114266688	4.534543	3.948886	4.638685	8.973894	7.76912	8.56554	-1.04588	3.13113	152.2726	5.51E-21	6.4E-20
LOC114266699	2.109696	2.137962	2.279377	0.383505	0.603918	0.724891	1.78125	1.292924	97.60028	5.62E-16	4.35E-15
LOC114266712	6.930889	6.836533	6.3221	2.98847	2.887799	3.132477	1.05046	2.972286	127.6604	6.87E-19	6.75E-18
LOC114266766	0.882386	0.894208	0.799849	0.200503	0.221017	0.121275	2.139551	-0.29763	39.91159	1.02E-08	4.14E-08
LOC114266722	1.555689	1.199796	1.217584	0.077479	0	0	5.644948	0.105609	138.3845	7.86E-20	8.34E-19
LOC114266748	3.875436	2.93884	3.389102	1.293952	0.566008	0.978318	1.772293	-0.10852	33.93566	8.91E-08	3.28E-07
LOC114266727	2.37465	2.19967	2.403481	0.893108	0.636232	0.836026	1.46562	2.027417	115.8646	8.47E-18	7.6E-17
LOC114266775	2.248588	2.301732	1.836449	0.174868	0.103264	0.099159	4.003613	1.54581	331.8845	8.56E-32	2.31E-30
LOC114266777	2.242075	2.383195	1.734277	0.912955	1.001228	0.83817	1.102446	1.399433	44.5076	2.07E-09	8.99E-09
LOC114266779	27.75772	25.0314	26.76948	7.888284	9.715484	8.696247	1.484136	4.439319	569.2969	2.52E-39	1.21E-37
LOC114266862	8.692094	8.289689	8.162833	0.708222	0.730688	0.701644	3.44532	3.335736	1155.799	8.34E-53	1.1E-50
LOC114266873	0.428344	0.347715	0.306463	0.036216	0.042773	0.054764	2.853596	-0.46709	51.40145	2.11E-10	1.01E-09
LOC114266899	7.943991	8.183389	7.395545	3.512616	3.242034	3.29022	1.126185	3.965378	290.2121	9.03E-30	2.1E-28
LOC114266923	1.683856	2.150708	1.988192	0.319801	0.215829	0.345417	2.60347	0.533748	99.07112	3.95E-16	3.09E-15
LOC114266958	0.268809	0.332946	0.443027	1.123888	1.615925	1.588639	-2.17499	0.070364	65.9244	2.45E-12	1.39E-11

LOC114267004	0.791251	1.039438	1.304071	1.797942	2.831278	3.081238	-1.43848	-0.1783	26.19073	1.77E-06	5.62E-06
LOC114266965	4.166539	3.026783	3.012587	7.916077	7.348611	8.940715	-1.34442	2.708862	159.5812	1.09E-20	1.24E-19
LOC114267103	0.660822	1.091324	0.532453	16.65742	14.12438	14.59229	-4.40785	2.472079	806.9238	4.18E-46	3.23E-44
LOC114267104	0.827843	0.239696	0.441799	1.332886	1.421862	1.592902	-1.60188	0.37254	42.4335	1.3E-08	5.22E-08
LOC114267162	0.995463	0.88737	1.298836	2.940557	2.671495	2.992858	-1.53764	1.542507	102.1526	1.9E-16	1.53E-15
LOC114267125	0.409979	0.476062	0.422308	0.768559	1.008563	1.285429	-1.35881	0.827781	48.69809	5.09E-10	2.34E-09
LOC114267163	0.456932	0.379109	0.343508	1.13664	1.067058	1.52044	-1.75908	0.100227	47.44022	7.73E-10	3.49E-09
LOC114267181	10.72548	9.546475	8.3427	34.84703	37.91524	38.46724	-2.06313	4.396955	1018.283	1.34E-43	8.7E-42
LOC114267196	0.817575	0.460294	0.684422	0.176929	0.250755	0.240788	1.425651	-0.36165	19.2063	3.2E-05	8.63E-05
LOC114267221	1.634501	1.368535	1.197263	2.437933	3.179249	3.456088	-1.22637	0.724085	38.18707	1.89E-08	7.45E-08
LOC114267283	2.804184	3.442198	3.358876	0.710308	1.118546	0.947722	1.6531	1.483085	96.99846	6.5E-16	4.99E-15
LOC114267292	1.151892	1.063563	1.037818	2.052055	1.978432	2.438066	-1.09844	1.124153	41.89152	5.1E-09	2.13E-08
LOC114267370	1.033256	0.803834	0.743093	2.766185	2.769557	2.788572	-1.78378	1.573475	137.6822	9.04E-20	9.53E-19
LOC114267371	2.78786	2.746734	2.860431	0.037263	0.05868	0.028174	5.86826	1.136639	335.1112	6.09E-32	1.67E-30
LOC114267326	2.285198	2.490124	2.645834	0.35734	0.328251	0.270174	2.859779	2.37148	407.7076	5.25E-35	1.82E-33
LOC114267329	0.880031	1.264269	1.050283	0.16549	0.086868	0.333659	2.290071	0.442316	70.2308	1.68E-12	9.66E-12
LOC114267334	0.404561	0.306063	0.354218	0.919275	0.769044	0.97305	-1.41625	1.595198	91.08955	2.78E-15	2.03E-14
LOC114267409	0.497817	0.437923	0.410229	1.074619	0.890652	0.898012	-1.17244	0.494153	30.31344	3.51E-07	1.2E-06
LOC114267455	4.816269	4.829636	4.852514	0.264305	0.364184	0.174854	4.059708	2.10049	501.7919	2.28E-38	1.01E-36
LOC114267417	3.847981	4.637947	3.989744	0.788163	1.008431	0.819371	2.12521	0.58891	78.37758	7.5E-14	4.84E-13
LOC114267481	17.08789	18.41336	20.54166	1.419534	1.38068	0.883867	3.833834	2.705824	705.9702	4.03E-44	2.71E-42
LOC114267434	277.1753	277.9524	273.3331	90.0162	88.01091	93.6794	1.503285	7.822472	2604.063	2.96E-44	2E-42
LOC114267577	3.132379	3.033265	3.028675	7.630102	6.545688	7.232637	-1.31536	1.326949	68.30215	1.23E-12	7.15E-12
LOC114267563	22.55501	22.99265	24.2204	9.621562	11.53572	10.82919	1.010803	4.079555	243.8545	3.07E-27	5.86E-26
LOC114267608	3.363264	2.945466	3.32209	1.358625	0.972487	1.027215	1.435609	1.007939	56.3261	4.42E-11	2.24E-10
LOC114267643	3.274532	3.752957	3.897687	0.035432	0.167386	0.107155	4.923792	1.579474	399.404	1.11E-34	3.74E-33

LOC114267662	0.390175	0.422438	0.412213	0.709268	0.816202	0.763133	-1.01248	0.30311	20.1104	2.17E-05	6E-05
LOC114267680	5.650029	5.75354	5.325923	14.14332	13.54435	14.42752	-1.4366	4.282258	569.9556	1.74E-40	9.11E-39
LOC114267683	1.743515	1.8937	1.559662	0	0	0	9.440293	0.856962	294.8278	1.07E-29	2.47E-28
LOC114267688	0.342521	0.376271	0.357984	1.063047	0.765264	0.769292	-1.35287	1.173005	61.6331	8.73E-12	4.71E-11
LOC114267690	0.430478	0.540647	0.454793	1.05341	1.066396	1.137787	-1.30183	0.558911	38.94804	1.44E-08	5.75E-08
LOC114267809	1.80776	1.68458	1.945166	1.065177	0.678086	0.771078	1.033462	1.71135	49.01387	4.59E-10	2.12E-09
LOC114267812	0.700779	0.83642	0.677578	0.127389	0.160483	0.115578	2.327156	0.064564	59.83037	1.51E-11	7.95E-11
LOC114267825	2.346371	1.590098	2.100638	0.434427	0.435341	0.418036	2.1236	0.845837	92.33014	2.04E-15	1.51E-14
LOC114267863	1.114929	0.77607	1.1582	0.276374	0.478737	0.320402	1.377549	1.09729	51.07565	3.71E-10	1.73E-09
LOC114267864	0.771664	0.716836	0.939711	3.425043	3.120146	3.623632	-2.1713	3.327059	654.6651	7.91E-43	4.88E-41
LOC114267867	26.24779	26.51253	26.74726	5.940835	4.898603	6.684476	2.075054	4.223328	905.2269	2.06E-47	1.73E-45
LOC114267871	1.789654	2.066817	1.663849	4.115249	3.940795	3.994384	-1.23072	2.552548	129.1622	5.04E-19	4.99E-18
LOC114267946	0.639275	0.798707	0.577313	0.031838	0.025068	0.012036	4.732831	0.394611	161.0398	1.11E-21	1.37E-20
LOC114267972	26.00013	26.23247	27.5153	4.737377	4.840393	4.78127	2.36657	5.255981	2591.918	1.18E-67	4.79E-65
LOC114268005	2.194446	2.892809	2.587553	0.291886	0.306428	0.36781	2.834165	-0.11916	67.26451	1.66E-12	9.54E-12
LOC114268027	3.794587	4.398365	3.556143	0.405758	0.07987	0.076695	4.355601	0.292308	138.1282	8.27E-20	8.75E-19
LOC114268080	3.848571	3.088758	2.384202	1.116385	0.937605	0.618981	1.730466	0.65203	54.88578	9.14E-11	4.51E-10
LOC114268094	0.557732	0.574176	0.66533	0	0	0	7.863852	-0.55217	95.54955	1.15E-15	8.68E-15
LOC114268127	1.811303	0.927056	1.537846	3.14296	3.299548	3.507867	-1.30744	-0.11732	23.33837	5.62E-06	1.68E-05
LOC114268101	0.57035	0.588695	0.887779	2.030389	1.802744	1.469792	-1.46289	0.674798	49.72971	3.63E-10	1.7E-09
LOC114268102	0.985911	0.654694	1.111038	3.906099	4.088648	3.787152	-2.19337	1.558263	188.7973	9.99E-24	1.47E-22
LOC114268168	0.23774	0.066924	0.195911	2.809092	3.062472	2.940743	-4.14709	-0.29613	120.6681	2.99E-18	2.79E-17
LOC114268173	2.045887	2.147484	1.968501	0.504279	0.496315	0.667223	1.763506	1.799701	138.0833	8.35E-20	8.83E-19
LOC114268180	0.186953	0.287058	0.317457	1.328496	0.82708	0.817564	-1.98149	0.18996	58.51019	2.25E-11	1.17E-10
LOC114268181	17.53334	18.23138	18.65022	34.809	33.828	34.31079	-1.02517	6.008466	847.5326	1.62E-42	9.78E-41
LOC114268185	1.631537	1.799615	2.231651	4.055336	3.193035	3.661035	-1.04425	1.353579	43.12092	3.33E-09	1.42E-08

LOC114268201	0.019529	0	0	1.668524	1.593259	1.744656	-7.47198	0.389867	281.6517	2.5E-29	5.65E-28
LOC114268207	0.0146	0.049317	0.032082	0.557327	0.710472	0.581903	-4.31402	-0.51561	105.3135	9.11E-17	7.48E-16
LOC114268256	0.87502	1.04685	1.321953	3.081845	1.956888	3.382388	-1.47637	0.158811	34.70532	6.7E-08	2.5E-07
LOC114268238	0.301766	0.169894	0.189464	0.587739	0.694149	0.607308	-1.60096	0.30815	45.95849	1.27E-09	5.61E-09
LOC114268250	2.34085	1.60828	2.027077	0.685167	0.454297	0.381709	1.910665	0.995772	84.36826	1.76E-14	1.2E-13
LOC114268288	0.516574	0.491181	0.454065	0.146073	0.197165	0.220882	1.236219	-0.02288	20.21253	2.08E-05	5.76E-05
LOC114268321	0	0	0.023992	25.99937	24.37772	24.93931	-11.2171	4.160339	4312.275	3E-77	2.51E-74
LOC114268309	3.490068	3.235584	3.350812	1.180804	1.307919	1.301326	1.298463	2.669824	149.182	9.83E-21	1.12E-19
LOC114268318	4.861592	4.766279	4.121347	0.99041	0.899787	0.921624	2.187822	2.013746	222.2491	6.17E-26	1.08E-24
LOC114268358	0.642892	0.575403	0.633924	0.029966	0.070782	0.045312	3.458065	-0.47189	64.31752	3.93E-12	2.19E-11
LOC114268386	0	0	0	0.978769	0.850372	1.505553	-8.65766	-0.11157	189.695	1.53E-22	2.02E-21
LOC114268369	12.51098	11.19698	12.21351	24.08172	23.09841	23.51478	-1.08128	5.602529	749.4368	3.75E-45	2.67E-43
LOC114268445	2.417272	2.010452	1.629792	0.049934	0	0.075507	5.36599	0.326497	160.9239	1.14E-21	1.4E-20
LOC114268420	5.086079	5.226672	5.032825	90.8685	88.03568	86.49451	-4.21712	6.570192	11688.38	2.7E-96	2.86E-92
LOC114268447	1.273718	1.170008	0.994372	0	0	0.046068	5.608475	-0.65055	78.20473	7.86E-14	5.06E-13
LOC114268464	3.158906	2.441025	3.198601	0.056297	0.088653	0.085129	5.043484	0.663603	211.6259	2.92E-25	4.86E-24
LOC114268500	0.698867	0.590192	0.666244	0.018683	0.02942	0	5.149437	0.137588	140.5157	5.18E-20	5.55E-19
LOC114268490	1.589109	1.4091	1.484118	0.577743	0.682344	0.546018	1.201859	0.752077	34.57755	7.02E-08	2.61E-07
LOC114268516	49.58776	45.99075	46.84764	2.653771	3.361354	2.420809	3.967823	5.537617	2184.946	1.85E-13	1.16E-12
LOC114268538	1.969657	2.345291	2.126832	5.823432	5.524893	4.947452	-1.44102	3.358403	324.3364	4.22E-31	1.09E-29
LOC114268576	1.235419	0.604817	0.826248	2.733983	2.306407	2.21473	-1.50658	-0.03927	31.69696	2.07E-07	7.28E-07
LOC114268580	8.980961	10.28996	8.958885	1.074065	1.296713	1.569998	2.706043	2.059619	305.9486	1.47E-30	3.62E-29
LOC114268602	0.936792	0.900997	0.729082	0.106433	0.083801	0.134117	2.842078	-0.22593	62.21811	7.33E-12	3.98E-11
LOC114268581	3.232639	3.363223	3.44798	0.378011	0.487037	0.571606	2.666383	1.649698	235.6488	9.37E-27	1.74E-25
LOC114268610	5.508501	5.443226	5.756039	23.58843	24.22178	25.30782	-2.23562	6.02272	3674.899	3.19E-74	2.16E-71
LOC114268714	1.47232	1.989395	2.085035	0	0	0	8.443904	-0.04231	141.7433	5.78E-20	6.18E-19

LOC114268712	3.854283	3.040261	4.053691	0.149869	0.059001	0.113312	4.984291	1.506749	381.3105	6.01E-34	1.9E-32
LOC114268765	2.974214	2.526408	3.267894	0.37941	0.298735	0.358575	2.971215	0.995376	167.2388	3.72E-22	4.76E-21
LOC114268771	0.873729	0.86942	0.848374	0.184684	0.20358	0.111707	2.265694	-0.20223	46.95516	9.08E-10	4.07E-09
LOC114268843	17.16465	13.95864	16.42551	48.72353	49.76516	52.46496	-1.77202	6.113989	929.0258	3.79E-12	2.11E-11
LOC114268850	1.436404	1.44285	1.805322	0.488412	0.488095	0.667533	1.385834	1.658381	80.54182	4.21E-14	2.79E-13
LOC114268862	1.049848	1.405773	1.122336	0.412635	0.203059	0.389976	1.727228	-0.13706	31.58964	2.15E-07	7.57E-07
LOC114268854	1.517018	1.397584	1.969867	0.43872	0.345433	0.284317	2.097911	-0.04432	46.60443	1.02E-09	4.56E-09
LOC114268872	0.445398	0.46693	0.405002	0.93529	0.85732	1.129321	-1.25832	1.503945	69.07595	9.89E-13	5.79E-12
LOC114268906	0.414961	0.412275	0.321836	0.266232	0.157217	0.117419	1.034218	-0.35583	10.82391	0.001436	0.003017
LOC114268907	3.807701	3.703199	4.032766	1.470345	1.387056	1.426311	1.326443	3.376902	283.644	1.97E-29	4.49E-28
LOC114268920	2.684031	2.143414	2.217022	0.726673	0.790123	0.863367	1.451555	1.365954	73.73242	2.67E-13	1.65E-12
LOC114268973	0.911164	1.221391	0.715095	0	0	0.029817	5.954586	-0.3511	97.96217	5.15E-16	4E-15
LOC114268993	0.780554	0.878902	0.812489	0.03734	0	0	5.830466	-0.45707	93.11479	1.68E-15	1.25E-14
LOC114268990	10.39198	11.95812	11.91921	0.118437	0.046627	0.223867	6.277326	2.424345	803.0265	2.37E-46	1.86E-44
LOC114269000	4.698475	5.570257	5.063133	1.396123	0.937605	1.148705	2.047481	2.085716	204.024	9.17E-25	1.45E-23
LOC114269033	0.012411	0.027949	0.013636	0.541456	0.461851	0.392321	-4.65042	-0.71166	96.73907	6.92E-16	5.3E-15
LOC114269106	0.822356	0.82676	1.258526	2.402513	3.278874	2.543055	-1.61636	0.969533	72.71338	3.54E-13	2.16E-12
LOC114269122	0.544581	0.463304	0.624948	0	0.017321	0	5.99918	-0.31597	105.496	8.73E-17	7.18E-16
LOC114269124	2.035449	1.56946	1.798869	0.482619	0.696664	0.668972	1.419103	0.803982	47.24998	8.23E-10	3.71E-09
LOC114269146	2.748701	2.340458	3.032592	6.111602	5.673691	6.213099	-1.25072	3.551072	288.2427	1.14E-29	2.63E-28
LOC114269184	2.592654	1.927855	2.364923	0.444621	0.420096	0.537863	2.170317	-0.06188	49.23566	4.27E-10	1.98E-09
LOC114269189	0.623738	0.561862	0.715786	0.226769	0.257906	0.285755	1.180671	1.0202	40.12536	9.47E-09	3.85E-08
LOC114269200	0.441265	0.430615	0.474062	0.980394	0.940351	1.091654	-1.26884	1.195305	58.30046	2.4E-11	1.24E-10
LOC114269202	13.62168	11.42781	11.91429	3.502489	3.206677	2.617334	1.898129	3.367163	463.247	8.65E-35	2.95E-33
LOC114269208	0.382405	0.363607	0.40149	0.108133	0.036489	0.093436	2.18061	-0.11702	46.48829	1.06E-09	4.73E-09
LOC114269214	0	0	0	1.238238	1.044586	0.847033	-8.72337	-0.03121	208.0218	8.4E-25	1.34E-23

LOC114269225	0.017581	0.019796	0	0.798969	0.905877	1.1115	-6.05599	-0.24843	162.115	9.19E-22	1.14E-20
LOC114269230	8.728844	8.9569	8.790127	4.056556	4.06311	3.9642	1.026036	3.66919	216.3515	1.45E-25	2.47E-24
LOC114269266	1.730152	1.515226	1.636964	0	0	0.19816	4.248084	-0.63387	64.30757	3.94E-12	2.19E-11
LOC114269293	33.43205	33.42757	32.26417	13.59289	12.51297	13.41315	1.222655	5.793065	1021.994	1.33E-50	1.47E-48
LOC114269310	0.065318	0.049032	0.143536	3.245476	2.680031	3.381465	-5.22611	1.161114	402.902	8.1E-35	2.77E-33
LOC114269326	4.241193	4.093349	4.592046	0.944049	1.150364	0.832728	2.034008	2.691339	311.5755	7.8E-31	1.97E-29
LOC114269385	33.55585	35.90402	33.17006	15.22435	13.81906	14.22581	1.14386	4.706041	427.2588	9.36E-36	3.42E-34
LOC114269333	0.938862	0.944693	0.845007	5.592114	5.90408	5.971404	-2.78442	3.377738	1064.394	2.5E-51	2.99E-49
LOC114269334	2.442011	2.490293	2.446888	4.913764	4.649314	4.844469	-1.06935	3.852247	281.7095	2.49E-29	5.62E-28
LOC114269392	0.914522	0.939646	0.803858	0.353268	0.376322	0.439921	1.064272	0.827445	29.15012	5.5E-07	1.85E-06
LOC114269338	0.726859	0.701521	0.741585	0.047189	0.081742	0.107035	3.03502	1.281291	210.7991	3.3E-25	5.46E-24
LOC114269417	0.588329	0.662457	0.727225	2.072113	1.552568	1.79408	-1.54636	1.04647	73.71043	2.69E-13	1.65E-12
LOC114269418	1.241533	1.066244	1.156038	0.114757	0.180711	0.20245	2.636839	0.081527	72.76381	3.49E-13	2.13E-12
LOC114269405	0.431182	0.346793	0.554974	0.201552	0.141062	0.08466	1.576324	-0.30105	23.45858	5.34E-06	1.6E-05
LOC114269506	8.335579	9.925738	10.09072	1.139797	0.739066	1.064534	3.166969	2.110766	379.5591	7.1E-34	2.23E-32
LOC114269514	0.66436	0.961802	0.938521	0.25879	0.339605	0.260885	1.441991	-0.28535	20.97459	1.5E-05	4.25E-05
LOC114269520	4.663516	4.443246	5.799692	2.328967	1.98045	1.479124	1.279369	1.080476	46.53807	1.04E-09	4.66E-09
LOC114269534	0.314546	0.212507	0.138242	1.372291	0.990455	1.268114	-2.50523	0.084164	81.88296	2.95E-14	1.98E-13
LOC114269559	53.04856	54.44174	51.17854	5.632468	3.89874	4.07135	3.461039	4.635659	2228.42	1.5E-51	1.83E-49
LOC114269590	2.298826	2.395303	2.431569	0.654895	0.773464	0.919558	1.475684	2.483965	156.0975	2.73E-21	3.26E-20
LOC114269604	53.39843	53.34782	54.96045	15.24393	16.78957	16.32401	1.633568	5.990884	1911.586	5.44E-62	1.44E-59
LOC114269622	0.409052	0.460592	0.599256	2.23075	3.12252	2.389353	-2.50878	0.483177	110.7989	2.61E-17	2.24E-16
LOC114269624	0.075485	0.084996	0.116113	2.579693	2.809056	2.448409	-4.90147	1.457047	487.1916	6.95E-38	3.01E-36
LOC114269627	1.670443	1.475228	1.691434	0.535865	0.468802	0.315118	1.787321	0.06252	40.06374	9.68E-09	3.94E-08
LOC114269642	1.725435	1.776307	1.760393	0.246442	0.22932	0.304899	2.629198	1.355858	189.6903	8.66E-24	1.28E-22
LOC114269668	0.119262	0.111907	0.087359	1.95117	1.934582	1.939642	-4.25263	0.657551	251.7897	1.07E-27	2.11E-26

LOC114269644	14.15143	13.9195	14.14757	1.607798	1.442567	2.120245	2.910693	3.516176	1029.429	9.86E-51	1.11E-48
LOC114269650	1.95672	2.010477	1.854315	0.711394	0.385088	0.403397	1.891478	0.679077	68.69581	1.1E-12	6.43E-12
LOC114269682	3.686434	3.591242	3.549822	1.618848	1.600694	1.508604	1.092038	1.942732	66.5934	2.02E-12	1.15E-11
LOC114269706	0.00914	0.030874	0.020084	4.436014	4.055275	3.881522	-7.71285	2.80776	1495.645	1.77E-57	3.47E-55
LOC114269754	0.565114	0.526089	0.503576	0.113243	0.152852	0.122314	1.916863	1.224074	107.038	6.12E-17	5.1E-16
LOC114269814	0.231085	0.197753	0.264059	0.537691	0.31752	0.660615	-1.22737	0.322702	26.92594	1.4E-06	4.5E-06
LOC114269817	2.116815	2.383529	2.071751	0.420369	0.305524	0.29338	2.599608	1.165463	158.9533	1.62E-21	1.97E-20
LOC114269781	1.92001	1.701517	2.304928	3.393284	3.63868	4.202631	-1.03627	2.302866	76.7973	1.15E-13	7.32E-13
LOC114269803	0.934662	0.71565	0.965335	2.004876	1.926393	2.183818	-1.3261	1.26511	65.51506	2.77E-12	1.56E-11
LOC114269792	1.604695	1.708973	1.528639	0.445461	0.610968	0.564954	1.452817	2.062879	116.031	8.17E-18	7.34E-17
LOC114269864	114.9144	110.0507	110.5479	339.3991	349.7103	351.8348	-1.73895	8.710249	4707.176	1.1E-50	1.23E-48
LOC114269844	0.471655	0.427816	0.38867	1.333708	1.631432	1.584591	-1.92827	1.19788	122.6821	1.95E-18	1.84E-17
LOC114269878	1.659823	1.367999	1.71091	0.466587	0.685766	0.493881	1.404654	0.978318	52.20296	1.63E-10	7.85E-10
LOC114269894	0.805144	0.847141	0.638104	0.215942	0.151134	0.090704	2.255993	0.202197	61.53566	8.99E-12	4.84E-11
LOC114269897	105.4962	99.31279	102.8476	216.7581	200.0383	211.4815	-1.13524	7.946437	1548.685	5.17E-26	9.06E-25
LOC114269917	0.231634	0.213398	0.393328	0.38279	0.753491	1.07084	-1.55086	-0.34387	24.69117	3.87E-06	1.18E-05
LOC114269939	0.50969	0.43478	0.593958	1.881127	1.923267	1.995414	-2.01676	1.285826	141.6119	4.18E-20	4.52E-19
LOC114269973	2.895563	2.928832	2.75009	11.06252	11.44977	10.85975	-2.06322	2.129849	256.2561	5.98E-28	1.21E-26
LOC114269974	18.25822	18.38584	18.70192	72.31683	72.27253	76.43838	-2.10331	5.841381	3046.843	1.09E-70	5.25E-68
LOC114269976	0.313735	0.218688	0.213394	0.814734	0.833943	0.841861	-1.82498	0.179547	54.29117	8.38E-11	4.14E-10
LOC114269995	30.65367	29.74649	33.51717	0.270172	0.53181	0.408537	6.117199	3.659041	2187.976	1.7E-64	5.64E-62
LOC114269950	13.15937	14.55105	11.76195	5.321838	6.602797	5.568124	1.059957	3.275457	146.1691	2.7E-18	2.52E-17
LOC114269951	2.801058	2.821987	2.624093	1.393552	1.181639	1.13467	1.058792	1.086242	34.83988	6.37E-08	2.38E-07
LOC114270021	3.457941	3.596976	4.269784	1.556513	1.602638	2.036826	1.00067	1.380801	37.79645	2.17E-08	8.52E-08
LOC114270024	5.546198	6.101112	5.72877	1.393824	1.353522	1.791508	1.816296	2.127709	178.2005	5.7E-23	7.87E-22
LOC114270036	0.535112	0.602535	0.477709	2.310252	2.967867	2.780949	-2.43228	1.570769	226.9009	3.18E-26	5.68E-25

LOC114270057	0.621153	0.614122	0.466088	0.11016	0.065053	0.145756	2.275131	-0.36597	40.70049	7.73E-09	3.18E-08
LOC114270060	1.187369	0.831092	1.339871	0.350015	0.321521	0.176424	1.899513	-0.39985	29.76956	4.32E-07	1.47E-06
LOC114270116	0.966152	0.970276	1.377147	5.648612	5.606128	5.95751	-2.4839	2.008979	309.3722	9.98E-31	2.5E-29
LOC114270169	0.626499	0.623556	0.663776	0.122021	0.104082	0.092256	2.490355	1.073964	143.1647	3.09E-20	3.38E-19
LOC114270213	4.115088	4.885244	4.348074	1.433961	1.524221	1.445566	1.488755	2.767431	196.8195	2.79E-24	4.28E-23
LOC114270215	0.880847	0.927843	1.045874	0.154957	0.040669	0.019526	3.725014	0.259956	115.5712	9.03E-18	8.08E-17
LOC114270229	0.641396	0.613197	0.651541	0	0	0.016633	6.221253	-0.12236	127.0573	7.78E-19	7.6E-18
LOC114270240	37.22726	38.09325	39.18577	12.70396	13.5305	12.16644	1.470041	5.654224	1280.942	7.54E-54	1.08E-51
LOC114270298	0.446422	0.7181	0.490503	1.738962	1.46048	1.533906	-1.61362	0.06921	39.48213	1.19E-08	4.78E-08
LOC114270314	2.940641	2.76536	3.195499	6.226696	6.128364	6.062424	-1.15265	3.107769	184.1421	2.13E-23	3.06E-22
LOC114270335	0.724928	0.661838	0.602763	0	0	0	7.719231	-0.67784	85.95063	1.24E-14	8.56E-14
LOC114270346	0.011408	0.019268	0.025068	0.414744	0.416358	0.329254	-4.42694	0.123652	172.5039	1.5E-22	1.98E-21
LOC114270369	3.474304	3.165679	3.658306	10.62306	10.6216	10.92195	-1.74847	4.833876	1134.197	1.82E-52	2.32E-50
LOC114270378	3.357118	2.933363	3.482043	0.097642	0.03844	0.110737	5.148142	0.99096	276.1002	4.92E-29	1.08E-27
LOC114270379	284.9145	281.0179	284.8208	617.9564	626.3931	653.6282	-1.26294	8.894625	2772.426	1.57E-27	3.06E-26
LOC114270418	1.750942	1.460412	1.425061	2.986424	3.403356	2.88185	-1.10182	2.715992	115.8763	8.45E-18	7.59E-17
LOC114270452	1.901166	1.569853	1.636298	0.518397	0.634929	0.435494	1.576511	0.216825	36.75842	3.16E-08	1.22E-07
LOC114270453	3.482408	2.480749	2.733048	1.09813	0.81377	1.367492	1.301015	0.838306	40.16009	9.35E-09	3.81E-08
LOC114270459	0.442929	0.434384	0.345375	1.480468	1.329273	1.256799	-1.82121	0.927926	91.93793	2.25E-15	1.66E-14
LOC114270507	0.625723	0.407905	0.651323	2.574234	2.733911	2.806293	-2.36005	0.61761	114.0555	1.26E-17	1.11E-16
LOC114270496	9.95192	7.348946	8.544238	3.281589	3.378833	3.689857	1.212127	1.999454	79.12615	6.14E-14	4E-13
LOC114270515	22.1744	19.54949	21.59808	120.5908	118.7924	114.9864	-2.58871	5.86057	4160.046	2.87E-76	2.22E-73
LOC114270523	2.57698	2.476095	2.114139	0.874438	0.934397	0.519464	1.532224	0.571148	44.50945	2.07E-09	8.99E-09
LOC114270563	0.170383	0.109629	0.106976	0.486713	0.435479	0.367989	-1.79612	-0.44291	32.68823	1.42E-07	5.11E-07
LOC114270560	0.950279	1.364653	1.316488	0.275389	0.236544	0.24607	2.146757	0.767194	87.21109	7.4E-15	5.23E-14
LOC114270652	0.303612	0.20512	0.333591	0.524317	0.695292	1.001482	-1.52436	0.0988	35.05267	6.01E-08	2.25E-07

LOC114270653	1.891051	1.573845	1.309903	0.709938	0.529561	0.593264	1.295403	0.772472	38.42751	1.73E-08	6.87E-08
LOC114270742	5.883481	5.404431	6.145458	10.65994	11.93895	12.44858	-1.11897	3.788146	279.9666	3.07E-29	6.89E-28
LOC114270746	2.827985	2.716025	2.624169	0.431998	0.408169	0.440937	2.563552	2.02204	288.5018	1.1E-29	2.56E-28
LOC114270763	0.156764	0.215741	0.191381	7.789142	7.429296	7.588844	-5.43014	2.787622	1309.912	4.58E-55	7.04E-53
LOC114270797	0.070902	0.119754	0.155807	0.869992	0.837226	0.682137	-2.86714	-0.31221	75.64274	1.58E-13	9.91E-13
LOC114270804	5.255164	5.179689	4.846378	0.661562	0.854262	0.820306	2.585337	2.608983	428.427	8.46E-36	3.11E-34
LOC114270860	9.179738	6.516404	9.428368	0.725527	1.713767	1.737072	2.425564	1.211381	135.9122	8.74E-19	8.52E-18
LOC114270888	10.81915	10.42316	10.32106	19.56079	19.59429	20.80167	-1.03149	4.575122	355.9383	7.15E-33	2.08E-31
LOC114270889	26.54617	24.81755	27.84303	66.41096	68.67908	72.14179	-1.49386	5.671555	1406.639	2.33E-56	4.09E-54
LOC114270964	0.543719	1.611123	0.911832	7.542933	7.044945	7.236889	-2.95362	2.155189	218.9834	4.34E-11	2.19E-10
LOC114270945	1.182736	0.902636	1.082935	2.627782	2.445214	2.474452	-1.3471	2.060092	112.2269	1.89E-17	1.64E-16
LOC114270946	11.09413	11.83449	11.45637	3.10847	2.865371	2.923444	1.847558	3.374205	496.1666	3.49E-38	1.54E-36
LOC114270934	3.124954	3.958528	3.494831	8.115156	6.908756	7.899615	-1.22068	2.615237	130.8362	3.57E-19	3.59E-18
LOC114270957	8.907791	8.102962	8.818598	4.40764	3.581778	3.368125	1.096103	3.841323	247.719	3.12E-26	5.58E-25
LOC114270958	0.075554	0.099253	0.041507	1.808361	1.477912	1.453781	-4.50931	0.999457	322.4546	2.36E-31	6.18E-30
LOC114270993	1.529534	1.44145	1.625762	0.46844	0.666281	0.685497	1.205589	1.98244	78.60976	7.05E-14	4.56E-13
LOC114271020	9.001272	7.890028	8.855419	4.128436	3.567723	3.578174	1.096181	2.75411	114.6734	1.1E-17	9.76E-17
LOC114271050	0.108394	0.081367	0.039699	1.379285	1.551432	1.241471	-4.17169	-0.64001	93.41943	1.56E-15	1.16E-14
LOC114271197	2.505968	1.985651	2.345499	0.787353	1.062747	0.722857	1.298641	0.699715	37.35073	2.55E-08	9.94E-08
LOC114271205	3.773147	2.909969	3.379041	1.17447	0.77678	0.49727	1.985924	1.33338	110.7757	9.08E-17	7.47E-16
LOC114271209	2.042948	1.857979	2.244673	0.428506	0.393623	0.64796	1.926357	0.108861	46.83413	9.46E-10	4.23E-09
LOC114271211	6.14416	6.180696	5.360965	17.08198	17.29719	17.23057	-1.64956	3.971549	631.237	3.3E-42	1.95E-40
LOC114271266	2.524271	1.539592	2.657959	0.191195	0.07527	0.072278	4.199163	-0.34157	81.23502	3.5E-14	2.33E-13
LOC114271222	1.154307	0.718281	0.73427	2.650515	2.782568	2.797213	-1.74688	0.880799	81.14706	3.58E-14	2.38E-13
LOC114271223	0.478309	0.269288	0.291966	9.081246	11.25787	11.90603	-5.03622	2.690413	1043.456	1.19E-47	1.02E-45
LOC114271225	2.679298	2.753197	2.76223	0.813834	1.330863	0.833042	1.338873	3.028896	136.6269	2.11E-12	1.2E-11

LOC114271273	1.964289	2.333312	2.229397	5.257993	4.603396	5.04343	-1.29521	2.342379	124.6209	1.29E-18	1.24E-17
LOC114271282	1.471899	1.493441	1.688324	0.441041	0.740823	0.711377	1.154956	1.088845	39.699	1.1E-08	4.45E-08
LOC114271317	1.826272	1.953559	1.705611	3.485828	3.572368	3.263036	-1.01451	1.41735	44.1435	2.35E-09	1.01E-08
LOC114271318	0.690309	0.540721	0.494655	2.509717	1.718319	2.021272	-1.92423	0.453388	70.57023	6.47E-13	3.85E-12
LOC114271432	0.239155	0.269288	0.394154	2.825813	3.537101	4.546935	-3.70481	0.609733	199.6226	1.81E-24	2.8E-23
LOC114271421	5.499291	4.818496	5.526746	1.484156	1.477508	1.483269	1.728569	3.432622	455.0643	9E-37	3.59E-35
LOC114271468	2.169358	1.943456	2.139988	0.201493	0.38529	0.282922	2.700903	1.239944	176.4918	7.6E-23	1.04E-21
LOC114271510	2.418879	2.30818	2.387446	0.447162	0.64548	0.507128	2.01971	0.231308	56.04475	4.83E-11	2.43E-10
LOC114271474	1.308256	0.95751	1.269734	0.198181	0.156041	0.179807	2.616419	0.067175	70.36232	6.86E-13	4.08E-12
LOC114271524	3.569821	3.625531	3.345501	0.381723	0.400742	0.384813	3.050527	0.840545	157.3433	2.17E-21	2.62E-20
LOC114271566	0.428845	0.300458	0.35601	0.086618	0.1364	0.196468	1.219264	-0.16367	17.09859	8.01E-05	0.000204
LOC114271578	5.875873	5.165605	5.454859	16.05049	14.52651	15.67655	-1.58622	3.350774	410.7316	4E-35	1.39E-33
LOC114271626	4.256416	3.158835	3.666959	26.20166	21.94566	24.99553	-2.8127	3.159602	840.2732	3.82E-47	3.13E-45
LOC114271624	5.59845	5.42482	5.906181	0.081091	0.063849	0.214588	5.363782	1.98574	565.4672	2.36E-40	1.21E-38
LOC114271684	1.382454	1.39872	1.232779	0.509895	0.315444	0.302906	1.759236	0.472222	52.80547	1.34E-10	6.53E-10
LOC114271692	2.312841	2.098391	2.06588	1.119139	0.643018	0.754672	1.29327	1.482257	62.83671	6.1E-12	3.33E-11
LOC114271702	0.342426	0.416011	0.475248	1.539793	1.560618	1.486201	-2.00242	1.725729	184.7781	1.92E-23	2.76E-22
LOC114271708	1.077236	1.081834	0.991668	0.2117	0.187521	0.24009	2.181349	0.500017	77.40791	9.75E-14	6.24E-13
LOC114271731	2.189039	2.02195	2.724627	0.777203	0.783288	0.564115	1.610008	1.457007	90.04591	3.61E-15	2.62E-14
LOC114271763	0.565622	0.509511	0.279662	0.976789	0.78933	0.835694	-1.02154	0.544402	22.50255	8.08E-06	2.36E-05
LOC114271751	1.867614	1.59584	1.775511	0	0	0	9.674757	1.07137	351.6692	2.49E-32	7.01E-31
LOC114271753	80.97482	84.58439	75.5804	10.38432	10.59508	9.127104	2.898989	5.804006	2627.803	8.78E-23	1.19E-21
LOC114271778	1.699127	1.600851	1.447801	0.315174	0.64521	0.38127	1.68098	-0.02083	33.56182	1.02E-07	3.74E-07
LOC114271789	0.655076	0.582327	0.7387	0.188023	0.074021	0.142158	2.203861	-0.32998	40.11627	9.5E-09	3.87E-08
LOC114271792	0.678569	1.018756	1.049324	0.091372	0.107914	0.034542	3.404034	-0.50781	58.64365	2.16E-11	1.13E-10
LOC114271796	1.63969	1.67673	2.040583	0.395394	0.31132	0.390929	2.17818	1.026026	111.5641	2.2E-17	1.9E-16

LOC114271823	0.346362	0.390003	0.492492	0.888881	1.049813	1.120094	-1.43447	0.15009	34.31035	7.75E-08	2.87E-07
LOC114271911	0.361313	0.162735	0.344058	2.495848	2.0341	2.085671	-2.9906	0.666008	161.2359	1.08E-21	1.33E-20
LOC114271837	1.007543	1.224056	1.034199	0.602478	0.436421	0.437295	1.058071	0.912491	29.83638	4.21E-07	1.43E-06
LOC114271860	0.212021	0.14921	0.058239	0.81901	1.251789	1.238457	-3.05274	-0.41803	74.57236	2.12E-13	1.32E-12
LOC114271863	1.476019	1.968823	1.871265	3.673836	3.18517	3.713971	-1.10021	1.840654	65.42671	2.84E-12	1.6E-11
LOC114271929	2.702736	2.952431	2.260448	0	0	0.055442	6.53687	0.157563	158.1865	1.86E-21	2.25E-20
LOC114271881	35.53399	35.55307	37.42273	11.08194	11.57083	12.3404	1.523893	5.421972	1268.79	1.73E-54	2.56E-52
LOC114271940	0.431311	0.498781	0.53794	0.02119	0.016685	0	5.069153	-0.38957	91.57239	2.46E-15	1.81E-14
LOC114271986	5.346763	5.498439	5.535132	0	0.088471	0	7.14295	1.473147	440.4683	3.03E-36	1.17E-34
LOC114271949	0.462035	0.361698	0.488318	0.103987	0.13856	0.090717	1.864984	0.983568	83.12652	2.13E-14	1.44E-13
LOC114271954	4.620986	4.532777	5.447043	0	0	0.01779	9.056105	2.506624	929.6492	6.36E-49	6.06E-47
LOC114271989	0.259771	0.130001	0.137425	1.434144	1.308216	1.362003	-3.02813	1.298695	251.872	1.06E-27	2.09E-26
LOC114272054	0.508656	0.631995	0.655241	5.292801	5.422607	4.676717	-3.20303	2.328759	542.234	1.19E-39	5.83E-38
LOC114272045	0.283791	0.377648	0.311813	1.031764	0.849303	0.921919	-1.61597	-0.35738	29.29555	5.19E-07	1.75E-06
LOC114272035	0.764991	1.144018	0.906194	0.325926	0.119757	0.36142	1.697083	0.694407	50.62439	1.15E-09	5.13E-09
LOC114272106	0.841838	0.923603	0.569208	1.844221	1.606554	1.275691	-1.09899	0.759567	30.37762	3.42E-07	1.18E-06
LOC114272125	4.286719	4.627498	4.97398	1.655042	1.972786	2.050786	1.168847	2.962167	148.5189	1.11E-20	1.26E-19
LOC114272116	3.481787	3.146704	3.385139	1.478217	1.22947	1.463944	1.16296	2.645898	118.0617	5.25E-18	4.78E-17
LOC114272121	0.808717	0.752246	0.888571	1.470103	1.786591	1.42562	-1.04178	1.069117	35.97747	4.2E-08	1.6E-07
LOC114272241	1.524797	1.533968	1.689091	0.795191	0.608218	0.687108	1.088758	1.499353	48.79458	4.94E-10	2.27E-09
LOC114272264	2.930618	3.126193	3.204586	7.366515	6.803632	7.458252	-1.32931	3.490176	328.0159	1.29E-31	3.44E-30
LOC114272266	0.22157	0.170702	0.153757	1.780686	1.81933	1.522627	-3.3073	1.312225	293.6344	6.04E-30	1.42E-28
LOC114272270	19.02074	16.62264	19.44803	2.400384	2.187282	2.528566	2.846144	4.369066	1615.557	6.85E-59	1.48E-56
LOC114272291	2.2814	2.279855	2.705114	0.138239	0.149662	0.169843	3.857059	2.050668	464.2987	4.25E-37	1.73E-35
LOC114272309	0.36088	0.293475	0.506657	3.826758	2.582623	3.058627	-3.10491	1.432009	275.3929	1.54E-28	3.25E-27
LOC114272311	0.407898	0.229646	0.504197	1.529316	2.079864	1.857038	-2.36088	0.427498	95.82754	8.64E-16	6.56E-15

LOC114272304	1.796577	1.563182	1.166439	3.117407	2.571425	3.142636	-1.0512	-0.18913	14.70759	0.000234	0.000557
LOC114272295	0.687149	0.591674	0.91044	1.506284	1.619899	1.888834	-1.30964	0.885002	48.21951	5.97E-10	2.73E-09
LOC114272297	7.054807	7.362451	6.144411	0.31279	0.36942	0.561666	3.89939	2.359404	557.0345	4.22E-40	2.14E-38
LOC114272342	2.855979	2.789236	2.75374	1.059522	0.917655	1.081448	1.351366	1.047255	53.08098	1.23E-10	6E-10
LOC114272345	0.945091	0.940951	0.972827	0.289349	0.327496	0.246114	1.620337	0.981904	68.68148	1.11E-12	6.45E-12
LOC114272406	11.49169	11.83597	11.68753	4.717061	4.838164	4.879011	1.171687	5.288915	755.0307	2.79E-45	2.01E-43
LOC114272408	9.083621	9.850715	7.918151	2.741912	2.062939	2.027008	1.888697	2.3493	208.4539	5.39E-25	8.73E-24
LOC114272427	0.407898	0.516704	0.392153	1.204915	0.875732	1.016115	-1.31937	-0.1258	23.73318	4.77E-06	1.44E-05
LOC114272449	0.423004	0.426165	0.57485	0.161883	0.095596	0.198892	1.52277	-0.08078	26.73422	1.42E-06	4.57E-06
LOC114272457	0.61388	0.601067	0.703821	0.242592	0.324715	0.256783	1.09601	0.171714	18.85169	3.73E-05	9.98E-05
LOC114272478	2.15102	2.313917	2.342314	6.354027	5.6077	5.807139	-1.48494	2.70817	211.3579	3.04E-25	5.05E-24
LOC114272522	14.4672	14.02998	13.83357	33.26442	32.94431	33.42615	-1.33973	4.79585	688.8147	1.07E-43	7E-42
LOC114272527	2.178482	1.674479	2.006601	0.711394	0.690824	0.699222	1.37704	1.653532	81.61882	3.16E-14	2.12E-13
LOC114272558	0.753751	0.57825	0.673463	1.204559	1.232958	1.423016	-1.05022	1.860074	61.61349	8.79E-12	4.73E-11
LOC114272590	0.083089	0.062372	0.091293	1.40971	1.268524	1.712956	-4.2453	-0.20821	132.1737	2.72E-19	2.76E-18
LOC114272591	20.76633	22.0993	23.68813	8.288671	7.377467	9.400219	1.297815	3.213207	223.0643	5.49E-26	9.6E-25
LOC114272564	0.360626	0.358292	0.419543	0.115686	0.106268	0.116622	1.630402	-0.32649	25.72328	2.13E-06	6.7E-06
LOC114272607	121.9211	116.6493	116.2522	49.53514	49.21657	50.82236	1.140796	7.097576	1332.355	4.16E-34	1.33E-32
LOC114272617	0.567907	0.503819	0.378172	1.313904	1.921259	1.655672	-1.86493	0.930688	92.35744	2.03E-15	1.5E-14
LOC114272618	2.769931	1.512211	2.582311	1.068081	1.321526	0.807544	1.007762	0.374826	17.16459	8.31E-05	0.000211
LOC114272632	0.091536	0.103069	0.100574	0.715499	0.864692	0.98129	-3.22438	0.683321	185.6889	1.65E-23	2.4E-22
LOC114272634	7.68411	7.594437	8.119312	0.178428	0.120418	0.19272	5.45469	3.08394	1340.318	1.76E-55	2.81E-53
LOC114272633	2.158399	1.67284	2.309925	21.75805	20.58195	20.76552	-3.4577	3.669697	1679.721	1.32E-59	2.95E-57
LOC114272668	0.707834	0.654694	0.555519	2.527476	2.641339	2.918539	-2.17718	1.02535	134.371	1.75E-19	1.81E-18
LOC114272685	4.568442	4.643761	4.85681	1.843168	2.021965	1.753698	1.216513	3.118608	189.5296	8.88E-24	1.31E-22
LOC114272700	12.09859	11.5645	12.54844	5.75031	4.762801	5.928593	1.036433	3.681325	211.6214	2.92E-25	4.86E-24

LOC114272699	124.1618	123.0284	123.5077	46.46649	45.35518	47.57181	1.305804	7.091146	1756.572	7.22E-44	4.79E-42
LOC114272708	0.572679	0.644836	0.513317	0.054791	0.086281	0.093208	2.725909	0.508585	103.8532	1.28E-16	1.04E-15
LOC114272710	37.8535	36.98702	37.21025	12.89241	13.72091	14.4581	1.339336	5.483317	1029.948	9.66E-51	1.09E-48
LOC114272715	0.83778	0.898418	1.256561	0.096694	0.0571	0.109661	3.37116	0.424901	120.1759	3.33E-18	3.09E-17
LOC114272742	1.783437	1.81477	1.785356	0	0.018908	0	7.589005	1.115759	351.5751	1.11E-32	3.19E-31
LOC114272747	7.138625	7.126695	7.027081	2.412034	2.241003	1.823666	1.624553	3.387602	387.1643	3.46E-34	1.12E-32
LOC114272832	1.014503	1.142328	0.723034	12.75977	12.40129	12.20984	-3.79511	2.916439	1018.684	1.52E-50	1.66E-48
LOC114272838	1.583889	1.159246	2.349385	3.455073	3.117135	3.265345	-1.04779	0.962117	31.46037	2.43E-07	8.51E-07
LOC114272853	17.28945	16.50032	16.76379	34.48834	33.42674	35.45844	-1.13697	5.624717	865.6716	1.15E-47	9.89E-46
LOC114272945	3.36786	3.016021	3.895167	1.646899	1.804123	1.163964	1.058699	1.951454	57.138	4.65E-11	2.34E-10
LOC114272921	2.114631	2.202489	2.120133	0	0	0	8.972822	0.428745	214.8309	3.1E-25	5.14E-24
LOC114272889	0.452164	0.436402	0.532298	1.643906	1.201902	1.464855	-1.68333	-0.09998	38.1161	1.94E-08	7.64E-08
LOC114272935	6.667034	5.937792	6.373467	0.82166	0.593035	0.517693	3.213768	1.525968	271.6896	8.46E-29	1.83E-27
LOC114272952	6.945566	6.664325	6.562396	0.049128	0.038681	0	7.637758	1.940008	638.0532	2.17E-42	1.29E-40
LOC114272957	0.877249	0.889002	1.03616	0.059801	0.06278	0	4.422484	0.542378	166.0857	6.09E-22	7.69E-21
LOC114272972	0.703184	0.698632	0.590825	1.372252	1.198872	1.492321	-1.13021	1.587591	59.91836	1.47E-11	7.75E-11
LOC114272978	0.616017	0.462422	0.676843	0.023329	0.165319	0.141109	2.204888	-0.10956	45.28353	1.73E-09	7.57E-09
LOC114272977	0.650202	0.53016	0.648711	2.404658	2.438888	2.547379	-2.11677	2.659583	379.2017	7.35E-34	2.31E-32
LOC114272994	1.445332	1.513898	1.624978	0.336057	0.408927	0.415771	1.852268	0.86225	78.66038	6.95E-14	4.5E-13
LOC114272992	0.487058	0.485886	0.46943	0.093198	0.036691	0.105697	2.511797	1.052612	134.035	1.87E-19	1.93E-18
LOC114273039	0.530208	0.398009	0.582562	1.204779	0.948603	1.275256	-1.2746	0.230246	28.92157	6.01E-07	2.01E-06
LOC114273079	0.564839	0.591635	0.519582	0.119393	0.056403	0.162484	2.180697	-0.19224	43.8718	2.58E-09	1.11E-08
LOC114273069	335.8577	323.5291	329.8921	72.65915	71.11072	71.70693	2.093421	7.570654	4677.147	8.62E-79	8.3E-76
LOC114273083	7.063253	6.765391	7.659903	1.875935	2.002221	1.859598	1.795839	2.583734	241.8283	4.03E-27	7.64E-26
LOC114273091	4.145446	4.584036	4.963274	1.013769	1.223918	1.814002	1.617431	2.278476	147.4176	1.11E-19	1.17E-18
LOC114273093	2.38388	2.578979	2.482313	0.50982	0.490618	0.578189	2.120584	1.582946	163.2099	7.57E-22	9.46E-21

LOC114273096	15.2851	14.46088	15.46149	2.969677	2.754937	2.734354	2.31692	4.038731	1070.51	1.97E-51	2.38E-49
LOC114273097	11.1448	11.38033	11.75918	3.062085	3.214644	3.601344	1.680234	3.693639	524.1883	4.33E-39	2.05E-37
LOC114273118	19.43634	18.49763	19.72893	2.691119	2.2556	2.362847	2.881992	2.771624	574.7834	1.26E-40	6.62E-39
LOC114273183	1.208299	0.944049	0.894103	2.779208	2.752966	1.999601	-1.3873	1.141295	62.0882	7.62E-12	4.13E-11
LOC114273186	0	0	0.01353	0.984962	1.03991	0.863175	-7.33926	0.262278	251.8298	1.06E-27	2.1E-26
LOC114273211	1.320375	1.629303	1.132778	0.72335	0.517765	0.522044	1.125127	0.77542	29.44972	4.89E-07	1.65E-06
LOC114273227	0.900017	0.705544	0.738535	0.103549	0.195674	0.203554	2.066948	0.448833	66.59841	2.02E-12	1.15E-11
LOC114273237	2.480723	2.875444	2.244673	1.45896	0.574368	0.651817	1.45988	0.589925	38.54682	2.23E-08	8.74E-08
LOC114273309	0.374942	0.333303	0.357758	0.914749	0.974446	0.949274	-1.51481	1.0292	72.50312	3.76E-13	2.28E-12
LOC114273310	1.528164	1.756558	1.049411	3.154108	2.415087	2.778533	-1.03838	2.025528	57.43834	1.76E-10	8.45E-10
LOC114273367	9.12353	9.73592	9.347373	17.95799	17.52504	18.4949	-1.04251	4.394771	328.7928	1.19E-31	3.17E-30
LOC114273469	9.309936	10.009	9.766724	19.84946	17.68428	17.69601	-1.02675	4.114607	271.2668	8.92E-29	1.92E-27
LOC114273438	62.54956	60.61027	63.48528	25.4843	23.16185	25.16768	1.233866	6.243282	1236.81	1.21E-53	1.69E-51
LOC114273443	0.492036	0.587609	0.73721	0.433665	0.213408	0.16394	1.1163	-0.04532	15.09533	0.000199	0.000479
LOC114273481	9.338355	9.590039	10.83046	21.69087	25.12296	26.32288	-1.41331	3.603431	368.4427	1.1E-32	3.17E-31
LOC114273484	1.190244	1.307524	1.403461	0.474948	0.45706	0.359094	1.490828	-0.0076	28.2415	7.84E-07	2.59E-06
LOC114273491	283.1385	272.6744	284.4511	51.17108	50.27731	44.09501	2.424398	7.142652	2676.671	1.26E-19	1.32E-18
LOC114273572	1.9978	2.155789	1.737761	4.161259	3.991294	4.404683	-1.19633	1.19191	51.63934	1.95E-10	9.35E-10
LOC114273538	3.693175	3.575787	3.851077	0.769704	0.572371	0.54962	2.468489	1.519163	193.5898	4.65E-24	6.99E-23
LOC114273570	3.650956	3.206162	3.742748	1.683013	1.575176	1.488556	1.060217	2.161934	71.35693	5.18E-13	3.11E-12
LOC114273633	0.21359	0.279502	0.37422	0	0	0	8.26868	-0.19705	120.3067	1.74E-17	1.52E-16
LOC114273639	4.491468	4.904789	4.605256	0.070385	0.027709	0.013304	6.9222	2.864871	1179.724	3.57E-53	4.87E-51
LOC114273697	0.414335	0.254477	0.165545	6.162446	7.062506	4.503931	-4.45655	1.330329	357.0968	1.15E-28	2.45E-27
LOC114273666	2.429979	2.06446	2.139791	0.175415	0.37668	0.229081	2.946036	2.107613	335.4628	3.28E-31	8.52E-30
LOC114273667	2.79707	2.329923	2.707665	0.113411	0.193474	0.100037	4.135917	2.016893	473.5836	2.02E-37	8.47E-36
LOC114273710	1.086343	1.37377	1.469059	0	0	0	8.916315	0.380615	199.8519	2.87E-24	4.38E-23

LOC114273713	3.027067	3.171628	2.934083	0.964213	1.413663	1.395179	1.145406	2.832744	124.4406	2.17E-18	2.04E-17
LOC114273731	3.838079	3.627114	3.76523	0.664471	0.457784	0.753579	2.473063	1.570145	199.4487	1.86E-24	2.87E-23
LOC114273763	0.805186	0.85169	1.286824	0.044354	0.034923	0.033535	4.485177	-0.43046	80.33215	4.45E-14	2.94E-13
LOC114273857	6.355887	7.014151	6.037509	21.31251	20.18765	19.90726	-1.76528	4.029486	719.2156	1.93E-44	1.33E-42
LOC114273872	0.858766	0.8979	1.078357	0.390271	0.395082	0.463685	1.060988	0.515839	22.95543	6.58E-06	1.95E-05
LOC114273873	22.31704	21.92099	21.04256	43.9325	40.62044	43.23941	-1.07351	6.333459	965.2569	1.36E-40	7.13E-39
LOC114273874	1.154835	1.092287	0.998174	0.055981	0.066116	0.042325	4.149844	0.300344	141.1736	4.55E-20	4.9E-19
LOC114273887	0.467911	0.579554	0.35988	4.08278	3.683446	4.6303	-3.22958	0.596751	174.5646	1.05E-22	1.42E-21
LOC114273900	0.444072	0.69051	0.755116	0.288302	0.287532	0.24704	1.084295	0.462529	21.41161	1.27E-05	3.62E-05
LOC114273910	2.443721	2.829135	2.893013	0.125134	0.246315	0.307482	3.411452	1.422236	260.6918	3.38E-28	6.96E-27
LOC114273911	0.99832	0.961406	1.212358	2.053552	1.99292	2.202566	-1.08576	1.876907	66.96364	1.82E-12	1.04E-11
LOC114273913	0.190374	0.30623	0.209172	2.768528	3.191917	3.550964	-3.85778	0.944713	272.6739	7.49E-29	1.63E-27
LOC114273943	7.865939	5.144893	6.799721	12.82693	13.24524	14.54708	-1.13747	2.416465	95.7845	1.24E-15	9.29E-15
LOC114274018	1.30448	1.542284	1.218294	0.177848	0.280064	0.448219	1.987823	-0.19841	37.90805	2.09E-08	8.2E-08
LOC114274005	2.539271	2.465308	2.485157	0.712675	0.595668	0.646598	1.840379	2.974266	346.4096	1.88E-32	5.33E-31
LOC114274009	3.122733	3.019553	2.500615	1.411125	1.136324	1.357884	1.04853	1.866318	56.18859	4.62E-11	2.33E-10
LOC114274020	3.493738	4.03229	3.934683	10.32036	9.501059	9.903697	-1.47933	2.269283	154.3737	3.74E-21	4.41E-20
LOC114274096	1.746306	1.988185	1.833462	0.493807	0.777614	1.013385	1.133161	1.089363	37.44182	2.47E-08	9.63E-08
LOC114274026	7.686659	7.060955	7.575978	2.269722	2.162075	2.152746	1.658129	4.683676	861.4054	1.4E-47	1.19E-45
LOC114274083	0.684852	0.420623	0.581458	1.131762	0.980223	1.197968	-1.05873	-0.21322	14.65749	0.000239	0.000569
LOC114274114	1.237152	0.870644	0.99521	1.967806	1.928826	2.003974	-1.02164	1.074707	34.82877	6.4E-08	2.39E-07
LOC114274060	17.99639	18.31997	18.24056	8.210255	7.837245	7.93317	1.081856	4.488359	357.5653	6.08E-33	1.78E-31
LOC114274138	1.908725	2.858005	1.941022	0.553679	0.959086	0.893056	1.330873	1.2321	49.19348	2E-09	8.68E-09
LOC114274142	0.641138	0.508018	0.756626	1.769795	1.155566	1.338088	-1.23531	0.431529	30.7435	2.97E-07	1.03E-06
LOC114274147	9.572241	9.121692	9.020634	3.830119	4.029608	3.594832	1.170668	3.434238	231.9064	1.57E-26	2.88E-25
LOC114274183	0.313891	0.459472	0.724258	1.369433	1.931856	1.811926	-1.90201	0.145006	53.7248	1E-10	4.92E-10

LOC114274191	11.88064	12.2455	12.16691	0.154447	0.121607	0.194622	6.137086	3.67932	2308.138	1.72E-65	6.36E-63
LOC114274235	6.827631	6.3573	6.924742	12.29207	12.21541	15.24883	-1.09428	2.221397	83.4866	1.94E-14	1.32E-13
LOC114274205	23.09972	23.90741	23.85607	10.07344	10.50454	10.74667	1.070866	5.861875	825.7871	8.96E-46	6.69E-44
LOC114274248	6.600951	6.899371	5.9518	2.798055	2.499665	2.766455	1.166994	2.241909	89.12473	4.55E-15	3.28E-14
LOC114274216	1.720482	1.862025	1.853659	7.560725	8.009138	7.09389	-2.1655	3.108223	558.5652	3.79E-40	1.93E-38
LOC114274218	7.707713	7.893637	7.379942	2.757769	2.591641	2.606332	1.428148	3.6589	386.7403	3.6E-34	1.16E-32
LOC114274262	0.712145	0.518859	0.567669	0.050767	0.079944	0.057575	3.098422	-0.2722	66.30225	2.2E-12	1.25E-11
LOC114274304	0.944623	0.797733	1.193582	3.219669	2.061848	2.239551	-1.43173	1.179908	65.04887	4.49E-12	2.48E-11
LOC114274353	2.492111	3.280384	2.969583	1.052796	0.678221	0.940712	1.613862	1.740727	107.217	7.62E-17	6.3E-16
LOC114274314	7.736226	7.121471	7.364323	17.4172	16.76828	16.07121	-1.28051	5.054773	775.304	9.68E-46	7.17E-44
LOC114274398	0.363346	0.422764	0.399223	1.475112	1.646838	1.53144	-2.08153	1.307262	151.9085	5.9E-21	6.84E-20
LOC114274399	7.624871	8.310848	10.79056	70.35668	69.58392	70.21346	-3.08365	5.324708	666.5334	2.62E-06	8.15E-06
LOC114274400	266.1227	253.8202	273.3036	1128.782	1134.298	1160.822	-2.21545	9.170236	8773.903	1.1E-73	6.85E-71
LOC114274464	3.962389	3.482257	3.886422	10.54085	7.884538	9.669806	-1.40292	3.378625	297.7578	1.36E-27	2.67E-26
LOC114274505	2.667418	1.501753	2.518659	3.560903	5.010932	4.296209	-1.05278	1.277597	38.61466	2.33E-08	9.12E-08
LOC114274547	11.62927	11.78508	12.55208	3.792753	4.405996	4.983018	1.325817	2.856131	174.4966	1.06E-22	1.43E-21
LOC114274575	13.43381	13.45836	13.94644	4.223054	4.192506	4.488603	1.55253	3.003365	269.4902	1.11E-28	2.38E-27
LOC114274613	0.988343	1.063411	1.182461	0.199626	0.22005	0.181117	2.302264	-0.02443	55.54731	5.64E-11	2.83E-10
LOC114274686	1.971822	1.366318	1.91654	0.045954	0.361827	0.104234	3.164294	0.337677	98.04517	2.81E-15	2.05E-14
LOC114274754	1.962653	1.924174	1.821827	0.092269	0.096866	0.046508	4.476375	0.910114	238.3481	6.47E-27	1.21E-25
LOC114274764	0.183334	0.187667	0.219749	1.272482	1.479009	1.28278	-2.86748	0.514065	142.2648	3.68E-20	3.99E-19
LOC114274773	0.536501	0.469855	0.654974	4.171961	3.92477	3.482012	-2.88763	1.181886	225.7362	3.75E-26	6.64E-25
LOC114274808	0.426753	0.400436	0.429817	1.271385	1.102847	1.075303	-1.54613	1.029315	74.43056	2.2E-13	1.37E-12
LOC114274810	1.950331	1.80038	2.084993	4.120275	4.929121	5.31277	-1.4148	2.556123	165.4398	5.1E-22	6.46E-21
LOC114274812	4.497536	3.60122	3.953304	0	0.143051	0.068682	5.492946	0.439187	184.515	2E-23	2.88E-22
LOC114274847	3.354176	3.289467	4.517555	1.573495	1.626079	1.561445	1.115985	0.65033	27.29315	1.14E-06	3.69E-06

LOC114274825	3.401814	3.212623	3.207201	1.236778	1.413577	1.478046	1.133022	1.710707	61.28384	9.7E-12	5.21E-11
LOC114274898	0.956266	1.076753	0.659735	0.20213	0.350131	0.366779	1.397382	-0.12594	22.0222	9.69E-06	2.81E-05
LOC114274897	1.487199	1.634712	1.089365	0.064368	0	0.048667	4.992839	-0.45665	84.37374	1.54E-14	1.05E-13
LOC114274947	0.465742	0.314654	0.614076	3.471205	3.733028	4.160749	-3.1179	0.495283	155.1252	3.26E-21	3.87E-20
LOC114274937	0.927184	0.820292	0.836819	5.116561	4.83433	4.824218	-2.60645	1.423134	235.9975	8.93E-27	1.66E-25
LOC114274948	113.6917	108.211	111.3629	321.1885	313.1363	321.2073	-1.62497	7.575219	2936.067	1.84E-55	2.93E-53
LOC114274910	1.353721	1.405512	1.37149	0.383505	0.553591	0.652402	1.235056	0.792163	36.84804	3.06E-08	1.18E-07
LOC114274953	4.605118	6.087153	4.509853	0.727938	0.286577	0.343982	3.422792	0.824413	162.1848	1.25E-21	1.53E-20
LOC114274952	2.801141	2.915133	2.424879	0.308605	0.060746	0.408321	3.259804	0.226481	99.73974	3.37E-16	2.64E-15
LOC114274968	1.656957	1.431839	1.778228	0	0	0.105922	5.080736	-0.38551	90.63197	3.12E-15	2.27E-14
LOC114274976	0.348498	0.235445	0.319091	0.992495	0.847965	0.750396	-1.59547	0.634543	58.08918	2.56E-11	1.33E-10
LOC114275054	2.468076	2.391274	3.27936	1.147715	1.314432	0.946639	1.145412	0.141549	19.52658	2.79E-05	7.6E-05
LOC114275063	2.708628	2.668671	2.773168	8.224988	7.136904	7.064741	-1.556	2.343466	176.2142	7.96E-23	1.08E-21
LOC114275043	1.142737	0.951054	1.719589	0.361268	0.462232	0.546288	1.337096	0.196345	25.48797	2.41E-06	7.54E-06
LOC114275077	4.11854	3.903479	3.548547	0.269308	0.169635	0.570124	3.364288	1.163347	207.5958	6.11E-25	9.84E-24
LOC114275072	0.208536	0.091316	0.229127	0.505442	0.364804	0.557301	-1.51229	-0.15842	28.40979	7.34E-07	2.43E-06
LOC114275074	0.077298	0.11605	0.056621	2.154558	3.097823	2.177897	-4.98163	1.612066	485.7487	3.67E-34	1.18E-32
LOC114275107	57.08531	56.14207	56.90314	1.753769	1.615899	1.805579	4.931732	5.381086	7245.979	3.92E-87	1.04E-83
LOC114275185	11.88545	12.51019	11.5686	4.873007	4.34534	4.794072	1.256594	2.961326	175.2262	9.41E-23	1.27E-21
LOC114275195	0.570514	0.778663	0.702829	0.031427	0	0.023761	4.981254	-0.46317	84.56044	1.46E-14	1.01E-13
LOC114275199	4.243219	5.59905	4.589355	26.57513	27.99404	27.92924	-2.62745	3.910379	1273.861	1.39E-52	1.78E-50
LOC114275205	6.904372	6.456628	6.021752	12.0191	12.47833	12.51846	-1.03859	3.87982	259.503	3.93E-28	8.05E-27
LOC114275247	3.457528	3.125902	3.188883	0.367017	0.144488	0.277491	3.549102	1.142256	225.6472	3.8E-26	6.72E-25
LOC114275301	0	0	0	2.208762	3.24633	3.005961	-7.88393	-0.84129	113.6757	1.8E-17	1.57E-16
LOC114275306	27.0193	26.8837	27.56904	1.078293	0.636759	0.611449	5.062557	3.800235	2208.25	1.15E-64	3.88E-62
LOC114275327	2.168873	2.598028	2.18022	0.838856	0.858633	0.887927	1.306499	0.180884	25.99855	1.91E-06	6.04E-06

LOC114275329	0.776525	0.971517	1.137601	2.823168	2.716838	2.786724	-1.63758	1.41481	105.561	8.6E-17	7.08E-16
LOC114275323	1.570553	1.649462	1.757295	0.043654	0.075618	0.066011	4.592827	2.439394	703.7135	4.58E-44	3.06E-42
LOC114275356	0.731257	0.919635	0.678248	1.760884	1.63113	1.69682	-1.23203	1.998779	89.42802	4.22E-15	3.04E-14
LOC114275389	0.73972	0.620906	0.76104	0.110019	0.1155	0.046212	2.880115	0.921428	147.0754	1.46E-20	1.63E-19
LOC114275436	0.443337	0.484069	0.546157	0.268636	0.153829	0.203107	1.149633	-0.19428	15.27455	0.000181	0.000438
LOC114275468	2.476408	2.996911	2.873509	5.637602	5.200753	5.439358	-1.06955	2.441248	91.81703	2.32E-15	1.71E-14
LOC114275471	6.04876	5.858608	6.949035	1.871586	2.526212	2.627949	1.296268	2.827315	155.7358	4.55E-21	5.32E-20
LOC114275495	2.327467	2.400396	2.455446	0.767556	0.75175	0.764332	1.545655	2.225123	148.9854	1.02E-20	1.16E-19
LOC114275502	0.747943	0.761203	0.632151	0.339907	0.20587	0.415143	1.047159	0.2332	17.59594	6.44E-05	0.000167
LOC114275572	3.42662	3.437454	3.08043	7.588034	7.668842	7.050047	-1.26739	2.986753	194.9684	3.74E-24	5.65E-23
LOC114275513	1.371551	1.212611	1.049305	0.572521	0.436242	0.61439	1.062469	1.423659	42.66813	3.9E-09	1.64E-08
LOC114275514	1.94516	1.948947	2.264013	3.655815	3.916602	3.851547	-1.00108	2.445461	81.951	2.9E-14	1.94E-13
LOC114275521	0.084835	0.286573	0.223709	0.771077	0.849968	0.536349	-1.96754	-0.22785	41.21122	8.34E-09	3.41E-08
LOC114275534	0.107073	0.129176	0.184872	0.625629	0.963305	0.798877	-2.62733	0.920733	155.6043	4.44E-21	5.2E-20
LOC114275563	0.26375	0.437224	0.330043	1.025493	1.132511	0.936455	-1.69914	1.530259	115.3922	1.17E-17	1.03E-16
LOC114275659	0.03812	0	0.104709	7.171981	5.865217	6.20839	-7.07965	2.382781	972.2642	6.91E-46	5.23E-44
LOC114275670	7.473516	7.510099	7.497423	0.031088	0.024478	0	8.453015	2.722872	1143.293	1.31E-52	1.7E-50
LOC114275699	5.350806	5.813593	4.228865	1.877104	1.477968	1.935302	1.433186	0.268328	32.03062	1.82E-07	6.47E-07
LOC114275745	1.398821	1.265944	1.393304	0.047529	0.037423	0.089838	4.357554	0.801369	214.6987	1.85E-25	3.13E-24
LOC114275769	30.57399	29.55807	27.82082	3.558893	3.759556	4.05858	2.838946	4.90398	2425.059	2.06E-66	7.8E-64
LOC114276084	3.547583	3.286313	3.354202	1.387346	1.392446	1.394732	1.181779	3.105863	181.0388	3.55E-23	4.99E-22
LOC114276085	1.166458	1.050743	1.06803	5.654431	4.730366	5.290491	-2.34352	1.318504	184.9343	1.87E-23	2.7E-22
LOC114276098	0.31141	0.381586	0.342159	0.049949	0.026219	0.07553	2.616265	-0.40099	48.04762	6.32E-10	2.88E-09
LOC114276099	5.400595	5.689396	6.617761	2.229696	2.070021	1.937418	1.40429	2.721639	169.8171	2.38E-22	3.09E-21
LOC114276100	1.964849	2.290732	1.986917	0.948251	0.671959	1.075416	1.103145	1.414058	45.30449	1.58E-09	6.93E-09
LOC114276124	3.228588	2.818126	3.107399	0.727938	0.322399	0.481575	2.512885	1.164643	147.9389	1.24E-20	1.4E-19

LOC114276125	38.69022	37.76197	38.2026	1.972341	2.117666	2.406299	4.023431	4.591228	3017.52	1.65E-70	7.85E-68
LOC114276159	0.381011	0.466872	0.320131	0.162967	0.112275	0.200223	1.177437	-0.26935	14.81117	0.000223	0.000533
LOC114276200	1.483255	2.197554	1.629714	6.102135	5.475027	5.257403	-1.76313	0.551653	65.94669	2.44E-12	1.38E-11
LOC114276173	2.327639	1.877143	1.831704	0.057179	0.02251	0	6.161823	1.048397	299.397	3.1E-30	7.47E-29
LOC114276227	3.900775	3.98964	3.607337	0	0	0	9.511453	0.922029	314.2364	1.22E-30	3.05E-29
LOC114276230	0.515646	0.405636	0.523875	0.038521	0.045496	0.033979	3.494576	1.218684	234.4041	1.11E-26	2.05E-25
LOC114276290	2.286606	2.126937	1.52928	3.99399	3.813523	4.440787	-1.14621	3.221889	129.0074	7.41E-12	4.02E-11
LOC114276318	0.224319	0.189437	0.20539	1.257295	0.909686	0.976295	-2.40751	0.056743	77.63127	9.18E-14	5.88E-13
LOC114276384	0.228457	0.154345	0.175711	0.789059	0.948267	0.565184	-2.1083	-0.57383	38.35119	1.78E-08	7.05E-08
LOC114276512	3.174235	3.476258	3.009902	9.959509	8.277438	9.322961	-1.6107	2.129403	162.6122	8.41E-22	1.05E-20
LOC114276514	1.740563	2.041531	2.091719	7.283865	8.07062	8.447558	-2.1344	3.068807	519.5997	6.05E-39	2.83E-37
LOC114276594	78.73084	78.09026	80.22298	9.111754	9.220082	8.423027	3.042843	6.043183	5760.361	9.39E-83	1.49E-79
LOC114276601	0.470346	0.776759	0.861314	2.793015	1.840085	2.456484	-1.84649	0.593552	69.81384	8.33E-13	4.91E-12
LOC114276616	2.43926	2.41368	2.585365	1.030154	0.828741	0.948187	1.307579	2.084323	99.91184	3.23E-16	2.54E-15
LOC114276625	4.757919	4.620993	4.688784	0.832211	0.725461	0.584266	2.626058	2.328564	358.6983	5.43E-33	1.6E-31
LOC114276608	0.78499	0.855384	1.363309	0.368251	0.253705	0.24362	1.701047	-0.21197	28.18611	8.01E-07	2.65E-06
LOC114276665	1.613899	1.667884	1.554638	0.200944	0.063287	0.182313	3.334865	0.393863	120.4333	3.15E-18	2.93E-17
LOC114276667	2.077598	1.665632	1.844457	0.845981	0.808833	0.890901	1.029584	1.346616	39.61545	1.13E-08	4.57E-08
LOC114276693	1.966188	1.990043	1.723412	0.401593	0.474301	0.425085	2.005889	0.758009	82.26883	2.66E-14	1.79E-13
LOC114276694	0.9989	0.84357	0.983207	6.09057	5.629512	5.520154	-2.70244	2.303636	433.5778	5.44E-36	2.04E-34
LOC114276700	2.563222	2.323025	2.747628	6.250522	5.950482	6.186542	-1.3699	2.090072	120.334	3.21E-18	2.99E-17
LOC114276705	0.183881	0.168228	0.18941	0.376046	0.394781	0.394884	-1.20565	-0.31968	17.69695	6.16E-05	0.00016
LOC114276729	1.14431	1.321528	1.096108	0	0	0	7.969595	-0.46048	102.9256	2.02E-16	1.61E-15
LOC114276730	2.828494	2.557934	2.93649	1.295546	0.828806	0.795862	1.440102	1.388121	71.81677	4.55E-13	2.75E-12
LOC114276769	18.32136	17.00757	17.50714	7.035617	6.618753	7.322834	1.227458	3.874213	340.4938	3.46E-32	9.68E-31
LOC114276798	2.655867	2.808569	2.951398	5.011462	4.957615	5.621066	-1.00014	3.596841	200.8432	1.5E-24	2.33E-23

LOC114276826	20.24583	19.51343	19.07021	4.987421	4.828034	4.991351	1.885287	5.775947	2287.729	2.52E-65	9.1E-63
LOC114276815	1.906462	2.114633	2.063446	0.517255	0.407269	0.703945	1.774705	0.549029	57.19395	3.38E-11	1.72E-10
LOC114276837	2.180713	3.08795	2.504951	0.360377	0.898538	0.363294	2.109526	0.618111	71.03437	1.36E-12	7.86E-12
LOC114276868	23.88332	21.78141	23.4026	11.23474	10.29518	10.6538	1.000751	3.858273	231.1479	1.75E-26	3.19E-25
LOC114276903	2.38344	1.993641	2.207261	0.495162	0.438608	0.514768	2.072262	0.368269	64.76331	3.45E-12	1.93E-11
LOC114276908	0.706737	0.795784	0.718282	0.289062	0.29082	0.230693	1.351695	0.861194	45.71104	1.38E-09	6.08E-09
LOC114276911	0.229572	0.229776	0.233556	0.710992	0.486792	0.502501	-1.36944	0.540796	40.89718	7.22E-09	2.97E-08
LOC114276957	1.660516	2.364668	1.931801	0.53268	0.699024	0.402744	1.741056	-0.18429	30.88445	2.82E-07	9.77E-07
LOC114277030	10.1834	8.768489	10.47352	0.33141	0.372773	0.286364	4.774654	2.554523	782.9251	6.54E-46	4.96E-44
LOC114277034	10.90056	10.45326	10.61827	4.66852	3.94812	4.209526	1.220892	3.558736	271.685	8.47E-29	1.83E-27
LOC114277037	7.365964	4.775367	6.008656	0.608637	1.11818	1.073734	2.539996	0.078769	66.69607	1.96E-12	1.12E-11
LOC114277121	1.659676	1.576793	2.051499	4.949756	5.196362	5.025456	-1.62715	2.014054	154.3894	3.73E-21	4.4E-20
LOC114277140	49.05538	41.81514	49.19274	188.8429	192.0849	192.9991	-2.14051	6.621074	3032.945	1.58E-41	8.97E-40
LOC114277166	6.160294	5.181465	6.11618	11.15334	11.2959	11.83299	-1.07839	3.413227	207.457	5.45E-25	8.81E-24
LOC114277169	0.487546	0.15938	0.483846	1.772543	2.02593	1.642784	-2.34748	1.10049	133.1141	6.26E-17	5.2E-16
LOC114277161	0.763149	0.810201	0.838504	0.237818	0.280874	0.209774	1.606767	-0.28347	25.94062	1.95E-06	6.17E-06
LOC114277187	15.74345	16.24797	14.12706	32.52628	30.08261	30.06314	-1.10967	5.149331	579.9054	1.03E-35	3.77E-34
LOC114277220	0.492454	0.475287	0.515314	0.852565	1.107614	1.063588	-1.14349	0.033647	20.74726	1.66E-05	4.65E-05
LOC114277245	3.593023	3.910878	3.763574	8.708633	7.74828	8.329182	-1.23992	2.940624	181.3534	3.37E-23	4.75E-22
LOC114277247	1.049065	1.018315	0.973792	2.433085	2.071059	2.709655	-1.34872	1.54039	81.18282	3.55E-14	2.36E-13
LOC114277221	0.611002	0.406537	0.457727	1.413608	0.954023	1.183299	-1.3337	-0.06579	25.07138	2.77E-06	8.59E-06
LOC114277264	1.927856	1.645354	1.686477	0.602684	0.913916	0.658192	1.154914	1.644095	57.66374	2.92E-11	1.5E-10
LOC114277202	1.396272	1.645324	1.890919	0	0.046476	0.089257	4.817147	-0.14929	106.3957	7.1E-17	5.88E-16
LOC114277270	3.588452	3.425135	3.577226	1.382392	1.326548	1.208495	1.33444	1.653562	79.42433	5.67E-14	3.71E-13
LOC114277271	6.207757	5.650186	6.11023	0.846345	1.258724	0.782095	2.519571	2.041565	272.5346	7.62E-29	1.65E-27
LOC114277210	2.734063	1.886852	2.228796	0.42753	0.378701	0.404053	2.396688	0.571468	90.63902	3.11E-15	2.27E-14

LOC114277275	4.181202	3.62572	4.277229	0.829959	0.928632	1.155934	1.925687	1.686369	147.647	1.31E-20	1.47E-19
LOC114277287	0.760398	0.978522	0.668385	0.35544	0.21767	0.418036	1.165233	-0.18744	15.34843	0.000175	0.000425
LOC114277241	0.717464	0.704291	1.07129	1.738962	1.869485	1.542334	-1.15138	1.099506	42.79787	3.73E-09	1.58E-08
LOC114277295	3.236293	3.806017	4.622606	7.190338	7.411327	8.747657	-1.11885	2.315313	87.60978	8.26E-15	5.8E-14
LOC114277352	2.554634	2.740035	2.77615	7.457306	6.832445	7.586	-1.54412	4.036056	579.7951	8.99E-41	4.76E-39
LOC114277355	73.35839	69.02347	66.61504	8.965265	9.27642	9.475516	2.806638	5.491381	3655.555	4.02E-74	2.66E-71
LOC114277379	1.92142	2.13713	2.033907	0.681522	0.637221	0.708507	1.474603	0.876295	54.42685	8.03E-11	3.97E-10
LOC114277384	3.324143	3.560393	2.642775	0.540404	0.386814	0.334295	2.834297	1.076705	161.1737	1.09E-21	1.34E-20
LOC114277405	4.101244	3.995762	4.198966	0.145234	0.123881	0.228764	4.491702	3.254813	1327.639	2.62E-55	4.12E-53
LOC114277393	0.805281	0.844449	0.979354	0.033523	0.026395	0.008449	5.163944	1.208071	317.5445	4.03E-31	1.04E-29
LOC114277423	3.742816	3.311316	3.566867	7.984017	7.980928	9.238429	-1.35337	2.262451	130.2273	4.05E-19	4.05E-18
LOC114277466	3.144861	2.330692	2.814572	5.467336	5.335984	5.95691	-1.11741	3.480072	213.7138	2.95E-24	4.5E-23
LOC114277524	0.131396	0.167679	0.115496	0.429938	0.376132	0.228748	-1.38996	-0.19342	23.71271	4.81E-06	1.45E-05
LOC114277559	8.833193	8.93895	9.213985	2.825249	2.512571	2.612478	1.662575	3.958439	600.3488	2.33E-41	1.3E-39
LOC114277551	4.132711	3.437454	4.609236	1.698814	1.813176	1.512763	1.174019	2.079399	77.93572	8.45E-14	5.44E-13
LOC114277589	9.066713	8.407493	8.43838	2.132921	2.366414	1.759241	1.946656	1.638848	146.7433	1.56E-20	1.74E-19
LOC114277604	2.052376	2.22458	2.012668	7.269935	8.469475	7.829657	-2.01638	3.99699	871.4519	2.84E-47	2.35E-45
LOC114277618	3.118508	2.939804	3.227223	0	0.103802	0.099676	5.242616	1.448648	375.9161	1.01E-33	3.12E-32
LOC114277631	2.586948	2.008895	2.744375	8.724153	9.346068	9.440469	-2.01105	3.322968	574.8128	1.71E-40	8.94E-39
LOC114277656	0.170852	0.201327	0.174625	0.382806	0.489077	0.507864	-1.45761	1.321746	80.0878	4.75E-14	3.13E-13
LOC114277663	0.314894	0.275313	0.297142	0	0.005302	0	6.82649	0.415292	199.9842	1.71E-24	2.65E-23
LOC114277664	0.05208	0	0.034333	0.738443	0.491975	0.57263	-4.34306	-0.11068	133.1244	3.76E-19	3.76E-18
LOC114277667	10.28271	10.08072	10.09844	3.861114	4.4039	4.392549	1.152563	3.444824	228.352	2.59E-26	4.65E-25
LOC114277666	6.243539	5.093746	7.147583	1.970895	1.498306	1.69567	1.746478	1.702325	121.7605	2.37E-18	2.23E-17
LOC114277696	1.369704	1.465169	1.373268	0.280111	0.343078	0.117658	2.411384	0.639702	93.84541	1.4E-15	1.05E-14
LOC114277682	2.2857	1.723666	1.981466	0.114358	0.060028	0.115283	4.241806	0.697805	191.1998	6.8E-24	1.01E-22

LOC114277737	14.19029	13.59089	14.82106	4.885953	6.069236	5.988607	1.213019	4.152554	344.9755	5.16E-32	1.41E-30
LOC114277744	0.419287	0.434844	0.545552	0.240691	0.157927	0.197144	1.13877	-0.00233	17.41479	6.97E-05	0.00018
LOC114277770	5.322199	5.386577	4.968873	0.139809	0.110081	0.253693	4.808522	2.409665	700.5024	5.49E-44	3.66E-42
LOC114277783	2.251353	2.262016	3.310892	0	0	0.047604	6.73552	0.33612	176.991	8.79E-23	1.19E-21
LOC114277778	3.558829	3.499767	3.688255	1.610266	1.223383	1.516502	1.207328	2.302686	98.6986	4.32E-16	3.37E-15
LOC114277806	0.609065	0.668661	0.702665	0.110717	0.043587	0.041855	3.263819	-0.27408	69.71899	8.23E-13	4.86E-12
LOC114277796	5.726302	5.954528	5.260296	1.76334	1.970625	2.365369	1.350788	1.916182	93.61743	1.48E-15	1.11E-14
LOC114277849	4.514206	4.244555	5.138914	1.057477	1.16567	1.183299	1.911541	1.928592	171.3599	1.82E-22	2.4E-21
LOC114277851	0.010871	0	0.023888	0.928764	0.840191	0.567744	-5.94631	0.144391	201.0891	2.23E-24	3.43E-23
LOC114277900	0.068369	0.076983	0.07512	1.86423	2.39746	1.832335	-4.8527	0.916623	325.5647	1.68E-31	4.45E-30
LOC114277918	27.30024	25.67026	27.10009	5.070494	4.306694	4.558115	2.424313	4.401792	1361.686	9.07E-56	1.51E-53
LOC114277921	2.753095	2.845684	2.375051	1.094764	0.969728	0.960744	1.300698	2.375937	115.8396	8.52E-18	7.64E-17
LOC114277988	0.843205	1.274258	1.084939	1.915995	2.143786	1.967082	-1.02917	2.090074	64.19242	4.96E-12	2.73E-11
LOC114278060	0.503658	0.788432	0.769347	0.31263	0.386814	0.23637	1.022536	0.395149	18.23261	4.94E-05	0.00013
LOC114278063	3.947063	4.508102	4.55442	0	0	0.058332	7.414867	2.227981	713.1248	2.16E-42	1.29E-40
LOC114278069	3.215827	3.263383	3.489741	0.324767	0.25571	0.272829	3.441738	1.501513	292.1477	7.19E-30	1.68E-28
LOC114278078	1.704432	1.205643	1.5366	0.079445	0	0.030033	5.249442	0.224465	148.2525	1.17E-20	1.32E-19
LOC114278088	2.220722	1.961953	1.745538	4.378458	3.251851	4.085198	-1.07403	2.397403	85.14119	1.46E-14	1.01E-13
LOC114278122	4.82568	4.673391	4.85703	0	0.038658	0.024748	7.526911	2.996443	1362.258	8.91E-56	1.49E-53
LOC114278126	0.934889	0.977492	1.045545	0.030348	0	0.04589	5.042043	0.045577	129.5377	4.66E-19	4.64E-18
LOC114278138	0.615936	0.769756	0.669318	0.270687	0.21313	0.204659	1.48391	1.088124	61.94805	7.95E-12	4.3E-11
LOC114278137	2.504498	1.700988	2.271324	0.072266	0.113799	0.054638	4.548676	-0.04591	112.5894	1.75E-17	1.52E-16
LOC114278164	7.701119	7.709857	7.757809	1.885049	2.160856	1.970169	1.832763	3.259256	444.0968	2.23E-36	8.66E-35
LOC114278150	0.77641	0.709286	0.579446	1.224966	1.467713	1.38924	-1.09085	1.118093	40.56485	8.11E-09	3.32E-08
LOC114278172	11.72917	11.55346	12.21677	0.312023	0.300271	0.366972	5.054686	3.247549	1497.968	1.66E-57	3.27E-55
LOC114278188	0.707174	0.353901	0.690668	1.142682	1.574491	1.727894	-1.45178	-0.2361	25.55974	2.27E-06	7.13E-06

LOC114278202	2.161969	1.962595	1.675702	0	0	0	9.483534	0.894034	300.6181	5.53E-30	1.31E-28
LOC114278205	0.546599	0.595616	0.678065	0	0	0	7.735362	-0.66141	86.83376	9.91E-15	6.9E-14
LOC114278212	18.13117	15.76103	15.6601	44.36149	43.19834	45.53946	-1.52973	5.869339	1475.935	1.47E-46	1.16E-44
LOC114278296	0.865905	0.996674	1.057118	0.069958	0.165248	0.23802	2.426665	-0.00567	58.8562	2.03E-11	1.06E-10
LOC114278297	1.18137	1.233827	1.203961	0.560222	0.563628	0.447099	1.103347	0.690035	28.25009	7.81E-07	2.58E-06
LOC114278305	0.3433	0.299914	0.331675	1.086723	1.253823	1.033149	-1.89278	1.912557	187.976	1.14E-23	1.67E-22
LOC114278315	0.858038	0.667103	0.650955	0	0.009747	0.028078	5.51803	0.810647	237.0418	1.03E-26	1.91E-25
LOC114278326	0.235813	0.113796	0.111042	16.93228	17.28567	17.59405	-6.86879	4.00662	3535.939	1.71E-73	1.02E-70
LOC114278318	0.044842	0.151474	0.123173	29.34498	30.1331	31.09241	-8.23651	4.394122	4752.976	4.27E-79	4.38E-76
LOC114278346	1.404669	1.412191	1.488248	0.455971	0.694098	0.574576	1.188979	0.930411	38.18879	1.89E-08	7.45E-08
LOC114278370	1.167965	0.789075	0.834139	2.866254	1.838868	2.327613	-1.39511	-0.16779	25.15419	2.68E-06	8.32E-06
LOC114278388	1.96895	2.12064	1.787129	0.41498	0.571797	0.509849	1.840358	0.487806	58.41158	2.32E-11	1.2E-10
LOC114278398	17.56852	16.72511	17.0845	46.4567	46.2128	46.072	-1.53807	5.436039	1416.981	1.71E-56	3.08E-54
LOC114278369	0.960903	0.729421	0.972745	0.176638	0.169985	0.163228	2.277295	0.661895	91.24602	2.67E-15	1.96E-14
LOC114278448	1.223131	1.397011	1.151	0.223407	0.201032	0.201085	2.488022	1.9432	253.6858	8.35E-28	1.67E-26
LOC114278549	22.8463	22.44275	24.58283	6.80241	7.554764	7.904127	1.534447	3.546481	402.5336	8.37E-35	2.86E-33
LOC114278580	4.33292	3.936351	4.70666	0.984559	0.845683	0.541379	2.368049	0.739342	101.8294	2.05E-16	1.64E-15
LOC114278611	2.613099	2.468698	2.675044	0.1622	0.091222	0.157673	4.130131	1.723493	403.2883	7.82E-35	2.68E-33
LOC114278610	3.360696	2.336514	2.750816	0.328008	0.387393	0.340996	2.882361	1.151768	174.8247	1.01E-22	1.36E-21
LOC114278680	2.603836	2.452146	2.522832	0	0.03388	0	7.24288	0.795175	273.4221	6.83E-29	1.49E-27
LOC114278678	1.139693	1.462953	1.051872	0.041435	0.065249	0.031328	4.513899	-0.06881	109.3422	3.62E-17	3.07E-16
LOC114278662	1.333695	1.219456	1.388261	0.054686	0.071763	0.096475	3.978733	1.134001	255.8951	6.26E-28	1.26E-26
LOC114278765	0.414335	0.275683	0.331089	2.567686	2.345183	2.070773	-2.84687	1.117966	209.8706	3.79E-25	6.24E-24
LOC114278795	1.727653	1.568331	1.545083	0.194764	0.249194	0.128848	2.97122	1.095061	178.7766	5.18E-23	7.16E-22
LOC114278832	1.680821	1.268238	1.751593	0.314993	0.124007	0.309604	2.558995	0.753059	109.2221	4.23E-17	3.57E-16
LOC114278862	0.580021	0.544252	0.561425	0.150625	0.177896	0.075922	1.959771	-0.21407	36.93228	2.97E-08	1.15E-07

LOC114278849	6.830608	6.892542	7.938059	3.151963	2.707364	3.033041	1.181911	2.556608	111.554	2.2E-17	1.9E-16
LOC114278869	0.941274	0.945292	0.964338	0.346838	0.49156	0.437056	1.03191	0.784836	26.76752	1.4E-06	4.51E-06
LOC114278846	1441.862	1412.811	1462.633	2814.767	2693.199	2798.264	-1.04937	10.77343	4203.728	1.04E-16	8.49E-16
LOC114278887	23.69553	22.18016	22.2345	7.126639	6.629007	6.761708	1.628698	4.515913	757.6116	2.43E-45	1.77E-43
LOC114278888	1.18558	1.223714	1.157908	0.718391	0.329955	0.407365	1.232713	-0.22601	16.67938	9.65E-05	0.000243
LOC114278956	14.51648	14.00483	13.30115	3.080231	2.650295	3.265219	2.112431	3.852873	828.059	6.89E-47	5.56E-45
LOC114278988	0	0	0.009877	0.473909	0.37314	0.593061	-6.79936	-0.26669	163.741	6.89E-22	8.64E-21
LOC114279020	0.768074	0.864849	0.902792	2.110566	1.891882	2.209479	-1.39847	1.33104	76.27145	1.33E-13	8.41E-13
LOC114278977	4.545275	5.117969	5.179049	2.040123	1.766957	2.005218	1.244742	0.955469	42.56352	4.04E-09	1.7E-08
LOC114279026	0.240287	0.236742	0.276389	0.047775	0.016121	0.046441	2.672352	0.338018	87.13066	7.55E-15	5.32E-14
LOC114278980	0.222296	0.222493	0.434215	1.526581	0.91916	1.425778	-2.22141	-0.00266	61.80754	8.29E-12	4.48E-11
LOC114279058	1.436864	1.648433	1.593637	0.394259	0.407434	0.372609	1.881845	1.178793	100.7941	2.62E-16	2.08E-15
LOC114279110	1.666867	1.560011	1.641175	0.019676	0.015492	0	6.907603	1.253083	381.439	5.94E-34	1.88E-32
LOC114279130	2.492431	2.946795	2.300372	7.294579	8.097987	7.433544	-1.66983	2.649947	241.1101	4.44E-27	8.39E-26
LOC114279112	1.843876	1.79179	2.275718	0.826481	0.723048	0.9026	1.157483	0.810672	33.19077	1.18E-07	4.27E-07
LOC114279155	5.209592	5.379185	5.106469	3.182899	2.165772	1.960847	1.026828	2.431162	72.28152	7.26E-13	4.3E-12
LOC114279163	2.849713	2.582057	2.739711	0.768946	0.796635	0.795568	1.682267	2.265523	176.3648	7.76E-23	1.06E-21
LOC114279187	5.543503	5.75752	5.745425	11.03969	10.72916	10.39367	-1.01984	3.919626	258.9801	4.21E-28	8.6E-27
LOC114279211	1.005504	1.018263	1.181221	0.126453	0.135771	0.095608	3.055748	1.545813	257.1946	5.29E-28	1.08E-26
LOC114279214	0.614303	0.654977	0.639122	0.227292	0.24899	0.31381	1.145908	1.367889	48.90061	4.77E-10	2.2E-09
LOC114279228	17.4699	17.42788	17.55707	7.546757	8.115502	8.118426	1.032541	4.768594	385.7994	3.93E-34	1.26E-32
LOC114279312	2.963179	3.124689	2.756206	0.313502	0.628322	0.624895	2.34232	1.774087	201.8887	1.27E-24	1.99E-23
LOC114279315	1.201966	1.282178	1.251142	0.613322	0.301818	0.55066	1.26083	0.411942	28.26985	7.75E-07	2.56E-06
LOC114279324	0.58771	0.54144	0.572362	0.024281	0.057353	0	4.188862	-0.34802	81.59618	3.18E-14	2.13E-13
LOC114279327	0.51432	0.515657	0.425764	0.064037	0.141178	0.106516	2.068208	0.45336	66.54232	2.05E-12	1.17E-11
LOC114279329	1.909501	1.845742	1.791484	4.025878	3.644069	3.822781	-1.15085	3.315961	221.0627	7.32E-26	1.27E-24

LOC114279344	4.773414	4.782909	5.383377	1.605476	1.685464	1.676271	1.477076	2.266448	139.7872	5.97E-20	6.37E-19
LOC114279438	0.501032	0.523864	0.314574	8.587415	7.581011	7.869921	-4.24456	1.857882	556.3277	4.43E-40	2.24E-38
LOC114279472	11.29464	11.57046	11.05219	23.40843	21.9993	22.7934	-1.11179	4.583537	411.9548	3.59E-35	1.25E-33
LOC114279474	0	0.047672	0	0.53873	0.621118	0.567335	-5.21049	-0.20753	142.0152	1.08E-19	1.14E-18
LOC114279475	25.09707	23.25825	21.78464	0.849859	0.851646	1.285106	4.424422	4.082063	2154.491	1.39E-58	2.91E-56
LOC114279491	60.69139	57.99682	58.14113	8.795229	9.45211	9.543055	2.560958	5.88646	4033.465	5.53E-76	4.19E-73
LOC114279513	3.516031	3.526023	3.62176	25.81574	26.85292	29.6364	-3.05605	4.124064	1843.675	2.54E-61	6.25E-59
LOC114279516	1718.807	1601.985	1723.132	661.5155	684.1416	712.8652	1.187196	9.575128	2721.3	1.6E-22	2.12E-21
LOC114279530	5.37475	5.585477	5.641933	2.080903	2.512264	2.607196	1.084563	3.452807	198.3931	2.19E-24	3.36E-23
LOC114279578	13.74596	11.71401	12.93541	5.5133	5.577935	4.840768	1.16834	4.055248	306.3696	4.43E-30	1.06E-28
LOC114279591	0.711745	0.711263	0.703821	0	0.025468	0	5.996603	0.419512	187.5251	1.23E-23	1.79E-22
LOC114279635	1.166215	1.291975	1.343371	3.179956	2.82686	2.766201	-1.30532	1.774519	89.34251	4.31E-15	3.11E-14
LOC114279611	2.640268	1.938871	2.774843	1.043377	0.903672	1.419959	1.008161	0.044402	14.36473	0.000273	0.000644
LOC114279644	2.249506	1.92058	1.629643	0.089873	0	0	5.974601	0.399465	176.5743	1.25E-22	1.66E-21
LOC114279649	2.190981	1.622163	1.978621	6.110615	5.197915	6.517572	-1.71753	2.00913	165.5147	5.03E-22	6.37E-21
LOC114279650	0.224877	0.084404	0.247082	3.406549	2.467626	2.575588	-3.90787	-0.66971	84.5327	1.47E-14	1.01E-13
LOC114279676	0	0	0	4.717052	3.479829	3.79133	-10.1364	1.380356	569.6481	1.05E-39	5.2E-38
LOC114279727	8.304505	7.391627	7.821005	3.162994	2.377233	3.478464	1.278418	1.108564	49.32476	4.15E-10	1.93E-09
LOC114279762	56.03733	48.29199	51.93887	15.497	15.68357	16.38546	1.609111	5.522913	1388.039	2.58E-53	3.54E-51
LOC114279853	1.589364	1.330123	1.06194	2.381622	2.766702	3.217594	-1.18215	1.564857	61.35109	1.01E-11	5.44E-11
LOC114279859	5.503221	5.163845	5.235486	1.097986	1.088651	1.38359	2.037057	2.148411	220.8388	7.56E-26	1.31E-24
LOC114279874	0.855457	0.794676	0.857683	1.671699	1.867224	1.763611	-1.18769	1.904251	82.14739	2.75E-14	1.85E-13
LOC114279946	1.717641	1.610958	1.634131	0.448151	0.323936	0.416599	1.967456	2.933218	361.4041	4.15E-33	1.23E-31
LOC114279948	1.608289	1.629837	1.799223	0.637873	0.669653	0.502371	1.37529	1.286774	63.6911	4.73E-12	2.61E-11
LOC114279955	0.026518	0.099531	0.048561	0.433848	0.493418	0.473805	-3.11821	-0.10831	96.23657	7.82E-16	5.95E-15
LOC114279959	11.80503	11.40555	11.54867	2.597434	2.976685	3.279923	1.858037	4.849609	1125.06	2.07E-50	2.22E-48

LOC114279983	0.155729	0	0.085553	3.963216	4.346415	3.424534	-5.45448	-0.33243	142.4452	3.56E-20	3.86E-19
LOC114280033	10.69159	10.53795	10.63306	43.66383	40.93185	40.45972	-2.07589	4.795874	1508.177	1.25E-57	2.47E-55
LOC114280034	0.78147	0.703947	0.789943	3.352553	3.534497	3.007347	-2.21417	0.998805	135.2141	1.48E-19	1.53E-18
LOC114280054	7.709062	7.457459	8.212884	2.903391	2.712758	2.663468	1.396152	2.903207	203.2914	1.03E-24	1.62E-23
LOC114280018	0.041563	0.163801	0.137002	2.531089	2.230852	1.885117	-4.36332	0.772154	258.4785	4.49E-28	9.15E-27
LOC114280057	0.059396	0.178346	0.087014	1.439614	1.501892	1.659884	-3.92523	0.352353	179.9623	4.25E-23	5.93E-22
LOC114280075	0.536047	0.431134	0.967605	1.600861	1.863295	1.789232	-1.55059	-0.01081	33.73608	9.6E-08	3.52E-07
LOC114280193	8.998768	10.07062	9.161647	23.76184	24.69625	21.93696	-1.424	4.193809	505.6436	3.93E-38	1.73E-36
LOC114280201	2.254643	2.01486	2.24134	0.520449	0.973238	1.032927	1.213671	0.452476	27.48289	1.06E-06	3.44E-06
LOC114280206	6.411954	5.869917	6.038641	2.571129	2.776349	2.406799	1.136166	3.280639	192.0565	5.93E-24	8.85E-23
LOC114280210	2.186155	2.262016	2.129358	0	0.016914	0	8.038434	1.536193	484.509	8.57E-38	3.67E-36
LOC114280235	0.023233	0.01308	0	0.675742	0.598563	0.73443	-5.65625	-0.14469	168.2143	3.14E-22	4.05E-21
LOC114280241	3.060538	2.975538	3.155347	0.073527	0.07719	0.037061	5.489222	1.83681	533.9679	2.14E-39	1.03E-37
LOC114280246	0.074496	0.167764	0.122777	2.031297	2.185812	2.354896	-4.23922	-0.05631	147.9731	1.23E-20	1.39E-19
LOC114280278	0.226143	0.203709	0.260896	0	0	0.00777	5.85573	-0.43944	95.00286	1.06E-15	7.98E-15
LOC114280263	1.796951	2.230887	2.02501	0.335029	0.329739	0.316632	2.491958	-0.19525	53.98436	9.23E-11	4.55E-10
LOC114280312	0	0.142924	0.111572	1.153692	1.41707	0.942053	-3.87918	-0.37239	95.88205	2.58E-15	1.89E-14
LOC114280320	0.543467	0.651002	0.5209	0.168157	0.198602	0.143031	1.633706	0.092927	35.25239	5.48E-08	2.06E-07
LOC114280323	0.925685	0.905172	0.669137	0.044282	0	0	5.608046	-0.64822	77.01153	1.09E-13	6.92E-13
LOC114280353	0.140373	0	0	18.2024	14.66681	16.39898	-8.2513	2.43746	1058.045	1.18E-47	1.01E-45
LOC114280397	0.945679	1.010688	0.915779	3.059371	3.097087	2.797746	-1.74175	1.917383	166.0384	4.59E-22	5.83E-21
LOC114280399	8.341928	8.393738	9.165624	1.8283	2.258105	1.870201	2.005574	3.017838	402.149	8.67E-35	2.95E-33
LOC114280408	0.077624	0.069923	0.102346	0.423318	0.711053	0.746801	-3.01679	-0.44775	73.00469	3.27E-13	2E-12
LOC114280415	12.87031	12.0448	11.32986	26.02973	24.20123	26.20508	-1.1799	5.21809	722.1559	6.87E-44	4.57E-42
LOC114280409	1.390457	1.331972	1.276928	0.41498	0.504963	0.456369	1.418911	0.485364	38.22288	1.86E-08	7.36E-08
LOC114280422	9.909368	9.509597	8.314348	2.988597	2.933343	3.033419	1.52573	3.032928	254.75	7.27E-28	1.45E-26

LOC114280404	5.333847	4.272238	4.501122	1.799254	1.495377	2.040543	1.298202	1.858558	82.43411	2.55E-14	1.72E-13
LOC114280446	2.272361	2.447427	2.333908	0.673491	0.388875	0.339471	2.266945	0.863216	103.463	1.4E-16	1.13E-15
LOC114280492	3.344522	3.064429	3.134359	0.834475	0.657037	0.901316	1.887801	0.946874	86.11387	9.8E-15	6.83E-14
LOC114280510	3.897532	3.987368	3.572729	9.311736	9.053116	9.336079	-1.3776	3.166144	271.1874	9.01E-29	1.94E-27
LOC114280547	0.337994	0.234204	0.314235	0.897989	1.302453	1.214949	-2.04971	-0.18574	50.11867	3.2E-10	1.5E-09
LOC114280552	1.451909	1.434076	1.343388	0	0	0	8.423238	-0.06514	144.1275	3.67E-20	3.98E-19
LOC114280581	11.85619	12.13148	12.04922	4.633994	4.302654	4.296895	1.343696	3.359466	286.2413	1.44E-29	3.32E-28
LOC114280586	66.81483	62.50011	67.83291	160.7793	151.7194	158.6368	-1.36229	7.672662	2049.709	7.67E-39	3.55E-37
LOC114280620	1.243093	1.840372	1.618771	0.544007	0.658973	0.696058	1.172688	0.61763	28.57568	6.88E-07	2.29E-06
LOC114280640	1.81527	1.721907	1.873634	0.259987	0.157466	0.287292	2.833408	1.527201	230.913	1.81E-26	3.29E-25
LOC114280715	2.244992	2.029406	2.501409	0.287394	0.497826	0.304206	2.497555	0.443165	88.04142	5.99E-15	4.27E-14
LOC114280724	4.684258	4.518672	4.472058	1.869178	2.003185	2.316125	1.027805	2.811943	107.2338	5.85E-17	4.88E-16
LOC114280730	0.675958	0.400593	0.605889	0.097008	0.178222	0.036672	2.326358	0.305601	60.35379	1.32E-10	6.4E-10
LOC114280739	2.18081	2.422404	1.942822	0.991081	1.181061	0.830334	1.018394	1.737229	48.00643	6.4E-10	2.92E-09
LOC114280740	0.965044	0.842144	0.715725	0.175428	0.138126	0.331589	1.820344	-0.39125	28.26944	7.75E-07	2.56E-06
LOC114280747	6.182278	5.900911	6.072968	15.70382	13.82967	14.34911	-1.37114	2.950995	221.4572	6.91E-26	1.2E-24
LOC114280764	0.320569	0.31584	0.220139	2.258107	3.383855	2.258024	-3.28899	0.177712	127.4428	7.18E-19	7.05E-18
LOC114280768	1.600157	2.181094	1.850694	0.153095	0.096433	0.11575	3.835553	0.924911	202.61	1.14E-24	1.79E-23
LOC114280833	0.860455	0.790915	0.906829	1.883369	1.709107	1.568767	-1.10493	1.178055	43.8274	2.62E-09	1.12E-08
LOC114280852	0.675161	0.620187	0.449001	0.032298	0.076291	0.073258	3.055527	-0.61128	48.91419	4.74E-10	2.19E-09
LOC114280868	15.83808	18.45126	18.00462	3.801383	4.661356	4.38184	1.90454	3.248802	436.899	6.86E-36	2.54E-34
LOC114280867	10.59053	8.750656	10.21312	3.324033	3.489643	2.565559	1.559503	2.373622	156.061	2.74E-21	3.28E-20
LOC114280891	1.202591	1.070395	1.11999	0.1041	0.213108	0.267603	2.36831	0.890204	112.4499	1.8E-17	1.57E-16
LOC114280907	0.272507	0.193795	0.362449	0.834304	1.005883	1.005325	-1.88672	0.415187	66.78292	1.91E-12	1.09E-11
LOC114280941	0.398916	0.334004	0.438305	0.092969	0.087841	0.238989	1.319019	-0.18348	18.80593	3.8E-05	0.000102
LOC114280959	1.062642	0.769199	0.806179	0.045993	0.108639	0.034774	3.64395	0.312693	120.2908	3.24E-18	3.02E-17

LOC114281011	2.548915	2.218583	2.766236	0	0	0	9.957346	1.33615	424.1315	3.15E-35	1.11E-33
LOC114281024	1.380489	1.250828	1.362751	2.764352	2.34636	2.66814	-1.05999	2.477382	93.06749	1.7E-15	1.26E-14
LOC114281025	0.423287	0.515266	0.326815	0.16637	0.11462	0.204404	1.263573	-0.21206	17.37854	7.08E-05	0.000182
LOC114281078	0.345645	0.264869	0.316478	1.108287	0.817659	1.029283	-1.76069	2.046543	173.1773	1.33E-22	1.78E-21
LOC114281100	0.737963	0.997134	1.05408	0.134148	0.17604	0.202851	2.277298	-0.36112	40.98714	6.99E-09	2.88E-08
LOC114281117	32.00579	32.04081	32.41026	14.25623	14.03109	13.40055	1.106006	5.28072	670.1106	3.16E-43	2.01E-41
LOC114281123	72.26976	69.73306	74.02336	28.2923	27.3992	29.61441	1.23481	6.367656	1291.483	4.23E-51	4.98E-49
LOC114281155	0.828473	0.694682	0.735969	0.240322	0.126147	0.278606	1.706883	0.810159	62.9274	5.93E-12	3.24E-11
LOC114281158	1.982466	1.648433	1.776086	0.055443	0.218268	0.209592	3.27338	0.121335	95.52614	9.3E-16	7.05E-15
LOC114281162	1.359735	1.629837	0.96387	2.471756	3.013436	2.531949	-1.1289	0.51379	27.617	1E-06	3.27E-06
LOC114281167	9.547244	9.462394	8.413818	4.158013	3.487394	3.827171	1.159434	1.999289	75.43276	1.67E-13	1.05E-12
LOC114281180	0.464306	0.609943	0.527158	0	0.022152	0.021271	4.785805	-0.62982	72.6888	3.57E-13	2.17E-12
LOC114281181	0.478486	0.35083	0.415695	0.040456	0.159268	0.076469	2.000119	-0.33367	33.62409	1E-07	3.66E-07
LOC114281178	0.79687	0.69788	0.713415	2.092375	2.196621	2.35269	-1.69027	0.636447	66.97949	1.81E-12	1.03E-11
LOC114281220	10.10137	10.29819	11.39877	18.11435	20.56359	21.0126	-1.02239	3.77073	230.8809	1.81E-26	3.3E-25
LOC114281225	4.405328	5.723527	5.241291	2.037564	2.425119	2.328724	1.057095	2.117302	65.63108	2.67E-12	1.51E-11
LOC114281199	2.128996	2.028438	1.799398	5.060946	3.750418	5.402016	-1.34752	0.3626	35.36103	5.26E-08	1.99E-07
LOC114281227	1.097887	1.104706	1.334623	0.042463	0	0.19263	3.67056	-0.1095	83.15029	3.53E-14	2.35E-13
LOC114281238	5.625139	6.184422	5.961794	0.361965	0.474998	0.456117	3.64855	2.533685	614.523	9.4E-42	5.39E-40
LOC114281330	0.310289	0.349385	0.292223	0.048347	0.038067	0.085292	2.310797	-0.43075	39.83875	1.05E-08	4.24E-08
LOC114281307	1.891789	2.282303	1.744528	0.06141	0.048352	0	5.546053	0.022948	132.557	2.52E-19	2.56E-18
LOC114281309	1.77837	1.520371	1.519754	0.957854	0.65991	0.633679	1.023463	0.222729	17.0801	8.08E-05	0.000206
LOC114281370	0.698817	0.719033	0.741343	3.460541	3.2938	3.278793	-2.31731	2.373206	361.632	4.05E-33	1.21E-31
LOC114281381	24.10679	24.29648	24.68388	3.17904	3.196227	2.477532	2.948272	3.913133	1370.857	6.85E-56	1.16E-53
LOC114281414	0.630701	0.433991	0.577481	1.847142	1.905736	1.34841	-1.71016	0.013086	41.87343	5.13E-09	2.14E-08
LOC114281462	3.686921	3.951875	4.830007	0.064444	0	0	7.373254	0.91881	289.2164	1.02E-29	2.36E-28

LOC114281472	32.01864	28.77049	31.54748	9.489812	8.883329	11.04147	1.541204	4.381683	596.3004	1.08E-40	5.7E-39
LOC114281490	6.045443	6.068395	6.899837	2.811277	2.213505	1.803473	1.394981	1.510672	74.58641	2.11E-13	1.31E-12
LOC114281496	1.249346	1.23879	1.167827	0.033897	0.026689	0	5.71148	0.166445	153.9681	4.03E-21	4.74E-20
LOC114281498	11.30379	11.9378	10.68083	1.112918	1.068628	1.067197	3.279024	3.625207	1302.331	5.84E-55	8.93E-53
LOC114281509	41.33189	40.99806	39.38701	80.7444	78.08137	83.03155	-1.09552	6.47059	1056.718	6.2E-40	3.1E-38
LOC114281515	0.22555	0.231394	0.247821	0.082002	0.078913	0.110221	1.250121	0.103053	22.7388	7.19E-06	2.12E-05
LOC114281558	0.285199	0.329584	0.321606	1.487105	1.084959	1.052149	-2.03688	1.632388	169.8169	2.38E-22	3.09E-21
LOC114281607	3.707661	4.11574	3.727876	9.44217	9.537119	9.037848	-1.38404	3.529832	358.0336	5.8E-33	1.7E-31
LOC114281619	0.025955	0.014613	0.028518	3.821672	3.139077	2.853778	-7.10833	1.959381	785.3157	5.79E-46	4.42E-44
LOC114281606	28.6821	28.79401	28.17296	11.05597	14.54147	11.49374	1.092301	3.159061	153.5537	4.35E-21	5.1E-20
LOC114281649	0.585255	0.851872	0.70578	0.18164	0.040862	0.098094	2.679218	-0.04148	62.56111	6.62E-12	3.6E-11
LOC114281666	2.874576	2.808918	2.232674	0.961005	0.638435	0.476823	1.869263	1.640769	122.3769	1.33E-17	1.17E-16
LOC114281633	6.196408	6.666059	6.157782	0.035872	0.05649	0.135611	6.153006	2.304161	754.4686	2.87E-45	2.06E-43
LOC114281671	0.241997	0.250689	0.255257	0.739045	0.55419	0.425729	-1.26977	0.40225	31.37255	2.34E-07	8.19E-07
LOC114281693	0.609353	0.741463	0.485943	0	0	0	8.590672	0.085994	155.2323	6.57E-21	7.59E-20
LOC114281727	5.103555	5.098691	4.810346	1.95552	2.13053	2.389684	1.096812	3.111351	154.6058	3.58E-21	4.24E-20
LOC114281734	1.573372	1.540533	1.428081	0.186529	0.342689	0.376077	2.159222	-0.13944	46.00731	1.25E-09	5.52E-09
LOC114281703	4.278439	4.44374	4.13355	0.134094	0.05279	0.050692	5.635343	0.924951	277.7977	4E-29	8.86E-28
LOC114281704	4.499738	5.025164	4.417224	2.346641	1.478133	1.520764	1.307681	1.436549	62.21957	7.33E-12	3.98E-11
LOC114281739	6.511403	7.003044	7.362885	2.919333	2.674717	3.090107	1.157075	3.344079	207.9494	5.06E-25	8.23E-24
LOC114281760	3.057021	3.395366	3.495973	0.718267	0.446478	0.828881	2.209174	1.570318	163.7328	6.9E-22	8.65E-21
LOC114281779	11.51829	12.28025	12.70546	32.14921	35.30868	35.24521	-1.60105	4.972245	1057.587	7.18E-51	8.18E-49
LOC114281786	9.192346	8.084462	7.98439	2.076396	2.304408	2.242714	1.821097	3.866002	641.1152	1.8E-42	1.08E-40
LOC114281787	0.886279	0.698564	0.584275	0.060416	0.04757	0.091358	3.297493	0.252758	104.1277	1.2E-16	9.76E-16
LOC114281832	9.432332	8.187148	9.018475	1.43075	0.894067	1.1676	2.848366	3.580879	978.3593	2.9E-46	2.26E-44
LOC114281841	0.182997	0.480793	0.268088	3.880983	3.143063	2.431272	-3.40554	-0.19219	100.0895	3.1E-16	2.44E-15

LOC114281905	16.84291	15.58584	16.92458	33.84614	31.03242	31.90337	-1.07429	4.60147	384.8895	4.28E-34	1.37E-32
LOC114281960	0.706091	0.724905	0.935538	0.415266	0.297242	0.342512	1.068901	-0.12546	14.14628	0.000302	0.000708
LOC114281967	3.635595	3.673808	4.097005	12.20098	11.84152	12.1716	-1.77217	3.3857	521.1761	5.39E-39	2.54E-37
LOC114282015	2.53686	1.838095	2.351073	5.333368	4.262463	4.911643	-1.19961	2.296616	100.437	2.85E-16	2.25E-15
LOC114282033	0.183581	0.206712	0.345785	1.096499	0.938421	1.622015	-2.42321	-0.18121	63.0563	5.71E-12	3.13E-11
LOC114282042	1.677296	1.563005	1.864098	4.205551	3.752818	3.842125	-1.3074	2.163693	114.4852	1.15E-17	1.02E-16
LOC114282061	1.47371	1.834067	1.40617	0.422991	0.388557	0.266509	2.025141	-0.23162	38.2832	1.82E-08	7.22E-08
LOC114282086	2.861415	3.05087	2.698794	6.996764	6.197645	5.672874	-1.22708	2.469633	119.2138	4.09E-18	3.77E-17
LOC114282101	17.749	16.42243	16.30119	41.7496	42.61993	43.34511	-1.44447	5.439946	1219.048	9.15E-54	1.29E-51
LOC114282126	0.679814	0.593516	0.573736	2.301417	2.411377	2.383234	-2.04403	3.217541	565.3096	2.39E-40	1.23E-38
LOC114282143	0.77615	0.708602	0.772119	0.019066	0.060048	0	4.640962	0.30927	146.1189	1.76E-20	1.95E-19
LOC114282178	4.785395	5.225061	5.03485	0.527212	0.435864	0.577983	3.175469	2.527841	523.0218	4.71E-39	2.23E-37
LOC114282170	2.137675	2.320016	2.094069	0.561818	0.442357	0.247785	2.314853	0.700372	94.27143	1.26E-15	9.48E-15
LOC114282184	13.92854	13.48955	12.90866	0.175343	0.248507	0.185601	5.910482	3.393969	1826.129	3.81E-61	9.25E-59
LOC114282251	33.2794	31.90289	33.80458	1.654469	1.784096	2.175467	4.018863	4.695874	3138.344	3.02E-71	1.5E-68
LOC114282205	6.07134	5.881242	8.142342	0.405758	0.702856	0.674919	3.335872	1.356321	235.3917	1.53E-26	2.8E-25
LOC114282233	5.609756	6.914087	5.49733	13.78045	13.67134	11.40879	-1.21067	2.936965	155.7953	2.03E-20	2.25E-19
LOC114282237	2.022382	1.973571	1.999868	10.90644	11.19252	11.76681	-2.59981	1.598689	265.786	1.77E-28	3.73E-27
LOC114282260	0.60853	0.329913	0.420981	1.27008	1.000018	0.991245	-1.32605	0.106143	27.82235	9.24E-07	3.03E-06
LOC114282289	1.28033	0.978262	0.653135	1.828681	2.290657	2.073915	-1.18641	0.08089	22.13763	9.23E-06	2.68E-05
LOC114282323	327.9208	328.3056	327.0538	847.3791	835.416	863.759	-1.47804	8.754516	3651.935	2.04E-37	8.51E-36
LOC114282372	0.96677	0.770381	1.078573	5.299285	5.641362	4.660772	-2.56792	2.666617	487.3645	8.75E-38	3.74E-36
LOC114282381	1.062165	1.212379	1.087111	1.71923	2.207513	2.299748	-1.01217	1.759638	53.26273	1.16E-10	5.68E-10
LOC114282383	0.562792	0.615597	0.512358	0.05846	0.092059	0	3.358927	-0.54763	55.09638	6.5E-11	3.24E-10
LOC114282419	2.545438	2.718634	2.220971	0.204139	0.401831	0.694545	2.347277	1.298675	135.5295	3.08E-18	2.87E-17
LOC114282424	4.379977	4.106342	4.667883	1.298526	1.695058	1.653518	1.377645	2.267959	121.7534	2.37E-18	2.23E-17

LOC114282409	10.25821	9.720137	10.44088	3.912664	4.358864	4.122664	1.184442	3.23082	201.9782	1.26E-24	1.97E-23
LOC114282429	16.51631	17.31135	16.03965	7.000209	6.24523	7.144066	1.186281	4.577994	424.139	1.23E-35	4.44E-34
LOC114282434	1.905853	2.061499	2.192971	3.791855	4.424672	3.815667	-1.07702	2.630169	105.9299	7.9E-17	6.52E-16
LOC114282466	4.935336	5.871735	5.954695	1.252633	0.666406	0.895884	2.496536	2.409745	317.4839	1.8E-29	4.11E-28
LOC114282515	3.179132	3.118508	3.514474	1.028182	0.837472	1.152663	1.591281	1.757517	113.1055	1.56E-17	1.36E-16
LOC114282518	6.072011	6.394872	6.140502	12.46561	11.60938	12.35198	-1.07361	4.212758	318.7488	3.53E-31	9.13E-30
LOC114282503	1.256343	1.287956	1.359794	0.20452	0.21471	0.12886	2.725251	0.381269	95.45914	9.45E-16	7.16E-15
LOC114282526	16.57897	17.82431	16.60019	36.34166	34.45222	37.4112	-1.19005	5.868722	995.7761	1.36E-49	1.36E-47
LOC114282551	2.60438	2.359767	2.906252	4.882244	5.911783	5.481047	-1.16046	2.60026	118.5694	4.7E-18	4.3E-17
LOC114282580	2.155567	1.85165	2.441661	1.009906	0.890586	1.007898	1.044922	1.138158	34.73797	6.62E-08	2.47E-07
LOC114282588	3.818341	3.834136	3.88662	9.134558	8.824695	9.700714	-1.36785	3.597021	375.4189	1.06E-33	3.27E-32
LOC114282614	0.100557	0.150969	0.165729	0.670245	0.359815	0.644957	-2.0854	-0.58603	36.70138	3.22E-08	1.24E-07
LOC114282634	5.064127	4.352821	3.971372	8.748908	8.65916	9.351021	-1.10145	3.403836	205.8863	8.9E-25	1.41E-23
LOC114282636	0.173243	0.109728	0.214143	0.590485	0.604406	0.632467	-1.97648	1.141297	118.3031	4.98E-18	4.54E-17
LOC114282655	0.623265	0.549231	0.4615	0.246301	0.13575	0.242087	1.295997	-0.10194	20.11113	2.17E-05	6E-05
LOC114282663	1.23514	1.942655	1.70176	0.498947	0.505099	0.511967	1.563561	0.794329	52.62012	1.43E-10	6.9E-10
LOC114282665	0.661971	0.496919	0.424279	0	0	0	7.902197	-0.52425	95.40071	1.19E-15	8.98E-15
LOC114282749	0.632909	0.574082	0.618136	0	0	0.024163	5.623577	-0.63731	79.83351	5.08E-14	3.34E-13
LOC114282806	1.367218	1.785802	1.892797	0	0	0	8.56671	0.066587	155.3864	4.57E-21	5.34E-20
LOC114282836	0.537668	0.605413	0.493768	0.977385	1.045223	1.025736	-1.00611	1.584939	48.36853	5.68E-10	2.6E-09
LOC114282852	1.250115	1.07642	0.88877	0.133676	0.245587	0.303204	2.082062	1.320251	117.9348	2.49E-17	2.14E-16
LOC114282858	1.589048	1.749795	1.835818	0.212397	0.234128	0.321175	2.613981	1.40586	191.1415	6.86E-24	1.02E-22
LOC114282901	1.4609	1.228244	1.241317	0.354087	0.334556	0.481886	1.625125	0.503215	48.11353	6.18E-10	2.83E-09
LOC114282925	0.956455	1.100127	1.661096	0.355211	0.279681	0.593669	1.460014	1.323607	26.36342	0.000332	0.000773
LOC114283018	0.586615	0.556233	0.305308	1.122486	1.060569	0.975979	-1.20701	-0.31707	17.12413	7.92E-05	0.000202
LOC114283026	3.302448	2.999224	3.122922	1.131762	1.061585	1.116119	1.407162	3.555469	352.7773	9.83E-33	2.84E-31

LOC114283041	0	0	0	13.67523	14.31645	16.31781	-12.1969	3.446756	2579.632	3.56E-63	1.06E-60
LOC114283118	1.441224	1.354828	1.394672	5.16767	5.412516	5.28824	-2.02535	2.958071	451.7446	1.18E-36	4.67E-35
LOC114283133	3.875606	4.012467	3.729576	1.702186	1.600847	1.876834	1.056136	2.706587	104.1441	1.19E-16	9.73E-16
LOC114283134	0.524394	0.417647	0.519962	0.953255	1.080076	1.212932	-1.26158	0.931909	47.45228	7.7E-10	3.48E-09
LOC114283143	2.389696	3.183011	1.825153	0.95357	0.792521	1.241663	1.18683	0.913196	32.72104	2.45E-07	8.57E-07
LOC114283176	0.107313	0.024167	0.070746	3.004168	2.949047	3.569281	-5.56598	1.209704	436.5721	4.21E-36	1.6E-34
LOC114283178	1.684036	1.412079	1.889689	0	0	0	8.169886	-0.28911	118.4483	6.42E-18	5.81E-17
LOC114283210	20.59072	20.06664	19.81243	37.6765	37.4639	37.91935	-1.00798	5.872844	778.0587	8.61E-42	4.98E-40
LOC114283223	0.935269	0.852519	1.037406	0.372414	0.433465	0.44072	1.06116	1.253218	39.25959	1.29E-08	5.16E-08
LOC114283235	1.062399	0.797506	1.521029	2.399433	2.672574	2.345106	-1.23713	0.797926	39.54794	1.16E-08	4.68E-08
LOC114283260	82.17256	83.21359	82.57933	20.68419	20.49085	22.26575	1.861201	7.170158	3326.119	2.43E-72	1.31E-69
LOC114283277	2.97668	2.598809	2.607002	5.646336	5.896774	4.89159	-1.10414	2.542795	102.7302	1.66E-16	1.34E-15
LOC114283234	1.628837	0.993453	1.416823	0.185058	0.097139	0.186556	2.986647	-0.36197	57.81046	2.79E-11	1.44E-10
LOC114283301	0.312264	0.293007	0.142957	1.182584	0.968372	1.394821	-2.32486	-0.20409	59.28446	1.78E-11	9.33E-11
LOC114283348	7.190946	6.451887	7.299012	2.448379	2.287187	2.980658	1.327657	2.664426	149.6038	9.08E-21	1.04E-19
LOC114283366	0.378897	0.577216	0.661199	1.05341	0.86132	1.409106	-1.16243	0.223685	23.05518	6.31E-06	1.87E-05
LOC114283369	4.90981	5.591737	5.332842	1.464816	1.448389	1.571109	1.707913	2.456738	200.0883	1.68E-24	2.61E-23
LOC114283385	0.188727	0	0.138242	4.34559	4.412026	4.06373	-5.23074	0.096158	189.2799	9.25E-24	1.36E-22
LOC114283403	2.4681	2.226096	1.964675	0.663829	0.738956	0.519208	1.694204	1.807906	124.9683	1.2E-18	1.16E-17
LOC114283413	1.153435	1.252381	1.176804	0.411859	0.324284	0.283086	1.722481	0.288325	45.12842	1.68E-09	7.34E-09
LOC114283468	2.290987	2.316417	2.388774	0.21248	0.334599	0.321299	2.859091	0.847882	145.4537	1.99E-20	2.21E-19
LOC114283469	2.340567	2.162743	2.087327	0.038159	0.075113	0.086553	4.857254	1.738164	458.8851	6.59E-37	2.64E-35
LOC114283491	5.988065	5.926917	6.013372	0	0	0	11.16474	2.487946	975.6001	4.34E-49	4.2E-47
LOC114283507	0.493992	0.513446	0.361846	0.115127	0.145035	0.13927	1.644791	-0.31856	25.7663	2.09E-06	6.59E-06
LOC114283538	1.226556	1.455753	1.420515	0.361566	0.521923	0.546739	1.372873	-0.09464	22.84753	6.88E-06	2.03E-05
LOC114283540	10.20306	9.493818	9.336103	3.041527	3.404367	3.471955	1.436418	3.569171	362.8027	3.61E-33	1.08E-31

LOC114283541	0.803148	0.817387	1.052154	1.628438	1.790628	1.783136	-1.07356	1.391992	47.66297	7.18E-10	3.26E-09
LOC114283576	12.34289	11.61629	12.20259	4.544842	4.331815	4.810704	1.294732	3.248058	242.7557	3.56E-27	6.75E-26
LOC114283606	0.537139	0.508046	0.519356	0.078114	0.199889	0.088589	1.943032	0.013385	42.80097	3.72E-09	1.58E-08
LOC114283617	1.443896	0.989632	1.483004	0	0.179708	0.086282	3.612999	-0.34901	69.49094	8.97E-13	5.27E-12
LOC114283696	0.167875	0.167216	0.141885	0.399063	0.388141	0.328342	-1.31509	0.364461	34.23138	7.98E-08	2.95E-07
LOC114283699	1.086299	1.223171	1.143831	0.411395	0.226743	0.171074	2.041007	0.989931	93.30563	1.6E-15	1.19E-14
LOC114283713	5.351292	5.538039	6.393447	0.377774	0.421383	0.571248	3.519421	2.442892	537.87	1.62E-39	7.87E-38
LOC114283723	12.86226	13.36307	13.61023	1.466352	1.154557	1.336472	3.234253	4.287229	1883.133	1.03E-61	2.64E-59
LOC114283731	17.91946	18.11022	18.61159	1.45997	1.224176	1.376215	3.650068	4.786913	3130.082	3.39E-71	1.66E-68
LOC114283727	1.194101	1.285236	0.945418	0.446901	0.402143	0.265484	1.534552	0.480621	41.40153	6.05E-09	2.51E-08
LOC114283749	0.976155	0.979676	1.02591	3.973283	3.310668	3.704059	-1.97749	1.751235	186.3048	1.5E-23	2.17E-22
LOC114283756	2.171404	1.955997	2.416597	5.500649	5.313528	5.833977	-1.45261	3.079582	271.8403	8.31E-29	1.8E-27
LOC114283759	7.446281	7.649014	6.770105	12.90275	14.08575	14.30389	-1.02684	3.884481	249.0504	1.53E-27	3E-26
LOC114283767	1.318056	1.535305	1.473172	3.635296	3.838098	3.810472	-1.49323	1.815781	118.7495	4.52E-18	4.14E-17
LOC114283782	2.650295	2.534548	2.792319	1.02295	0.701509	0.648676	1.67309	1.55785	105.7654	8.2E-17	6.76E-16
LOC114283816	0.346694	0.390377	0.24337	0.262595	0.068919	0.079416	1.248707	-0.30343	14.10838	0.000353	0.000819
LOC114283846	7.596162	7.830539	7.861759	3.266955	2.987692	3.091393	1.214313	4.861258	569.1779	1.84E-40	9.54E-39
LOC114283847	0.741312	0.573469	0.702593	0.123442	0.089094	0.155551	2.340251	1.148928	132.8574	2.37E-19	2.42E-18
LOC114283878	0.018033	0.020305	0	2.29468	2.684321	2.899826	-7.4956	1.166097	482.3322	1.01E-37	4.32E-36
LOC114283891	1.296388	1.374862	0.8447	0	0	0	8.91397	0.374454	186.5091	3.48E-21	4.13E-20
LOC114283934	1.813475	2.265746	2.593032	5.419024	6.08013	6.179883	-1.52348	2.326771	160.2795	1.28E-21	1.56E-20
LOC114283951	0	0	0.050471	3.507083	2.827106	2.967266	-7.11841	0.048973	213.6948	2.15E-25	3.61E-24
LOC114283963	23.80776	20.63442	20.00857	8.153873	8.340624	8.746776	1.245633	3.549605	265.7574	2.11E-28	4.42E-27
LOC114283976	0.9956	0.747362	0.966285	0.075409	0.059375	0.034209	3.916064	0.891402	203.2757	1.03E-24	1.62E-23
LOC114284007	0.685251	0.435257	0.675692	0.03194	0.025149	0	4.782535	-0.6371	70.78168	6.09E-13	3.64E-12
LOC114284054	4.192361	4.527254	4.118964	0.546212	0.614385	0.589964	2.757159	2.368393	395.6403	1.57E-34	5.22E-33

LOC114284101	6.071121	6.523443	6.243513	2.254348	2.198878	2.849221	1.250108	2.832013	152.3925	5.39E-21	6.27E-20
LOC114284079	1.336981	2.084452	2.711994	0.654336	0.662403	1.130798	1.170086	-0.10206	15.56396	0.000168	0.000408
LOC114284123	1.679125	1.41376	1.296434	0.439978	0.692848	0.602936	1.210099	1.090481	42.87205	3.63E-09	1.54E-08
LOC114284208	0.374412	0.466757	0.374652	0.012154	0	0	6.422803	0.060184	144.5088	2.39E-20	2.63E-19
LOC114284174	1.743423	1.717705	2.002643	0	0	0.054458	6.201429	0.603841	218.1094	1.12E-25	1.93E-24
LOC114284217	2.829795	2.635191	2.285692	1.112229	1.072772	1.072177	1.148619	1.883366	68.37091	1.21E-12	7.02E-12
LOC114284220	27.36201	26.8378	25.4684	60.82296	66.35355	63.8546	-1.36832	4.77688	672.9365	2.68E-43	1.71E-41
LOC114284231	4.193882	3.938601	4.166802	0.729931	0.766298	0.981118	2.190177	3.051782	477.2148	1.52E-37	6.4E-36
LOC114284246	0.723369	0.837784	0.703962	0.262991	0.325396	0.142028	1.529035	-0.27868	23.20059	5.94E-06	1.77E-05
LOC114284254	3.25872	3.599586	3.214789	0.408051	0.46531	0.393622	2.878921	2.876758	603.2035	1.94E-41	1.09E-39
LOC114284269	1.584457	1.565138	1.558905	0.104737	0.103083	0.06929	3.984683	1.830014	421.8053	1.5E-35	5.42E-34
LOC114284328	0.554515	0.558658	0.400834	0.212212	0.146203	0.220615	1.281849	-0.29547	17.04778	8.19E-05	0.000209
LOC114284333	7.380225	7.521806	7.724347	2.333205	1.628328	1.683881	1.919572	2.297459	215.6146	1.62E-25	2.75E-24
LOC114284353	0.042652	0.072039	0.14059	1.201767	1.251466	1.055171	-3.84928	-0.13499	123.7682	1.55E-18	1.47E-17
LOC114284373	0.708217	0.514484	0.577335	2.86553	3.073694	2.794523	-2.36919	1.241306	177.347	6.58E-23	9.02E-22
LOC114284375	0.26461	0.081259	0.123344	3.454556	2.742955	2.722091	-4.29652	2.58603	440.688	3.42E-13	2.09E-12
LOC114284376	6.197668	6.275151	6.249693	18.85678	19.41194	18.68553	-1.71076	4.557881	917.212	1.1E-48	1.02E-46
LOC114284385	48.99914	50.57945	49.63839	17.20233	18.62374	18.55046	1.349019	6.054845	1380.37	5.13E-56	8.77E-54
LOC114284389	0.32549	0.347211	0.282339	1.089941	0.612988	0.824071	-1.47211	0.084794	32.98855	1.27E-07	4.59E-07
LOC114284394	7.871995	8.45116	7.948942	2.404292	2.257986	2.540557	1.64429	3.305304	381.1503	6.1E-34	1.93E-32
LOC114284402	52.19905	50.33689	54.132	20.07566	19.59299	19.42012	1.301788	5.600374	1060.964	2.85E-51	3.4E-49
LOC114284426	1.065886	1.125174	1.244329	0.242199	0.254266	0.274679	2.025601	0.078553	50.00215	3.32E-10	1.56E-09
LOC114284431	1.062463	1.207725	1.100666	2.943038	3.157253	3.44897	-1.61571	2.707624	243.5871	3.18E-27	6.05E-26
LOC114284441	2.101226	2.312203	2.859645	6.944824	7.8946	7.022907	-1.69987	2.642507	242.7234	3.57E-27	6.78E-26
LOC114284463	4.446814	4.152231	4.151028	0.591477	0.491581	0.670796	2.750262	2.034191	316.7188	4.41E-31	1.13E-29
LOC114284481	1.059317	0.862478	1.110196	0.474006	0.256586	0.38078	1.367806	0.454297	33.70535	9.71E-08	3.56E-07

LOC114284516	3.354275	3.157741	3.564647	7.996686	5.981506	5.592599	-1.0388	1.465395	45.39812	1.53E-09	6.73E-09
LOC114284490	1.095026	1.05033	1.292273	11.57475	11.72574	11.37114	-3.43351	2.268393	589.1051	4.85E-41	2.62E-39
LOC114284548	2.743431	2.491207	3.257412	0.402183	0.759997	0.97305	1.824538	0.39248	51.80125	1.85E-10	8.89E-10
LOC114284571	4.701679	4.881554	4.595666	1.942457	2.359686	2.140009	1.021414	1.795324	53.07359	1.23E-10	6.01E-10
LOC114284585	0	0.053476	0.026091	2.071955	1.461451	1.892905	-6.04349	0.234311	223.2943	5.31E-26	9.29E-25
LOC114284604	3.242548	3.030915	3.191809	0.387575	0.495891	0.720375	2.420183	2.650079	378.5844	2.34E-33	7.06E-32
LOC114284575	0.339381	0.442481	0.333641	0.779286	0.690281	0.859242	-1.1686	0.031391	21.35942	1.28E-05	3.65E-05
LOC114284577	0	0	0	3.282016	3.821629	4.543468	-10.0041	1.228222	518.104	3.44E-38	1.52E-36
LOC114284581	0.977783	0.65058	0.683665	3.312492	3.371504	2.565559	-2.07306	0.426687	78.60225	7.06E-14	4.57E-13
LOC114284611	1.104782	1.142432	0.990914	2.725545	2.484845	2.370582	-1.32429	2.293829	126.1587	9.38E-19	9.12E-18
LOC114284619	1.613408	2.096185	2.20908	0.090243	0.106581	0.170574	3.821886	0.472719	144.6068	2.34E-20	2.58E-19
LOC114284624	6.216932	6.967127	5.764163	2.869881	2.989473	2.385466	1.099574	3.794622	186.0371	3.13E-15	2.28E-14
LOC114284626	5.790742	5.867219	5.35792	2.269728	2.715841	2.459254	1.079312	3.639619	219.4144	9.29E-26	1.6E-24
LOC114284668	8.457712	7.051453	7.083887	1.386235	1.422225	1.270413	2.367156	2.542599	348.8151	1.47E-32	4.19E-31
LOC114284669	17.56024	17.44157	17.31826	3.461354	3.525656	3.364746	2.231837	4.358512	1194.264	2.15E-53	2.97E-51
LOC114284647	0.157109	0.318428	0.207147	1.599337	1.574081	1.295583	-2.7978	-0.22721	77.94563	8.43E-14	5.42E-13
LOC114284698	1.49706	1.175341	1.207253	0.549271	0.707691	0.453041	1.079462	1.094031	34.57965	7.02E-08	2.61E-07
LOC114284696	1.616515	1.960206	1.867216	0.075347	0.177977	0.056968	3.924438	-0.30191	81.95045	2.9E-14	1.94E-13
LOC114284722	0.941672	0.70688	0.831115	0.336746	0.324063	0.346543	1.196608	1.799057	69.09527	9.83E-13	5.76E-12
LOC114284765	3.693404	3.366619	3.594315	1.577245	1.443254	1.369772	1.181788	2.696011	127.3628	7.3E-19	7.16E-18
LOC114284754	2.742564	2.73631	3.089657	0.063107	0.099377	0.190855	4.374309	0.495561	169.8375	2.37E-22	3.08E-21
LOC114284797	6.142425	5.362682	5.20842	0	0	0	10.5991	1.9428	654.4445	2.83E-42	1.67E-40
LOC114284842	4.451792	5.063087	5.456704	10.00387	11.23872	9.68513	-1.15765	3.387206	218.0453	5.54E-25	8.96E-24
LOC114284828	61.54537	61.40345	63.97045	2.390282	2.143421	2.309226	4.667178	4.699254	3801.515	7.31E-75	5.28E-72
LOC114284830	24.16721	23.93825	26.92693	5.079599	5.891164	4.826614	2.138143	3.581722	686.4665	1.22E-43	7.96E-42
LOC114284850	48.73335	44.95817	50.40674	3.045352	2.643737	2.656729	4.011993	5.117607	4670.997	9.13E-79	8.54E-76

LOC114284852	10.02472	9.796133	10.66698	3.666197	4.046957	3.967623	1.271662	3.417285	268.2934	1.29E-28	2.74E-27
LOC114284856	1.038307	1.126772	1.173899	0.314576	0.53845	0.268864	1.451945	1.614965	79.02504	1.88E-13	1.17E-12
LOC114284861	0.010859	0.012227	0	0.552708	0.621691	0.835771	-6.26721	-0.04867	188.1483	1.11E-23	1.63E-22
LOC114284863	0.826241	0.547262	0.694219	1.281082	1.460848	1.770177	-1.2337	0.503907	33.03398	1.25E-07	4.52E-07
LOC114284897	2.545658	2.966396	2.406739	8.501781	9.278416	9.886008	-1.91741	2.622437	304.1038	1.81E-30	4.43E-29
LOC114284922	0.175834	0.074246	0.241495	2.876707	2.233564	2.295824	-3.96532	0.868052	254.8925	7.13E-28	1.43E-26
LOC114284953	0.845583	0.721306	0.732	1.630277	1.503675	1.65521	-1.15412	0.528861	30.5192	3.24E-07	1.12E-06
LOC114284998	1.019903	0.835206	1.12061	5.983367	6.104527	7.072486	-2.78739	1.290862	234.4373	1.11E-26	2.04E-25
LOC114285001	1.027828	0.789709	1.22232	4.70399	4.326827	5.50101	-2.36161	2.896514	479.6691	1.19E-33	3.68E-32
LOC114285028	3.984866	3.745305	4.63163	1.01772	0.5185	1.086307	2.136567	1.250051	121.976	2.26E-18	2.13E-17
LOC114285031	0.011002	0.024776	0.024176	1.01995	0.818821	0.982842	-5.55635	0.412533	253.6432	8.39E-28	1.67E-26
LOC114285030	0.169289	0.09531	0.062002	9.745025	9.449789	9.888523	-6.49809	2.420804	1075.154	1.65E-51	2E-49
LOC114285039	1.336981	1.435956	1.084797	0.037391	0.02944	0	5.647416	0.11041	143.3268	3E-20	3.27E-19
LOC114285026	1.522781	1.582752	1.447912	0.266168	0.209571	0.160993	2.738769	-0.00065	71.55022	4.91E-13	2.96E-12
LOC114285056	4.384287	4.27949	4.414523	12.48528	10.7436	11.90228	-1.52694	4.180668	597.342	2.83E-41	1.56E-39
LOC114285101	3.970391	3.703301	3.906657	1.184956	0.932995	1.018079	1.78979	1.369466	107.4358	5.59E-17	4.67E-16
LOC114285120	0.264062	0.080051	0.178545	0.627714	0.610533	0.586265	-1.86855	0.266788	55.54628	7.14E-11	3.54E-10
LOC114285162	3.165358	2.81913	3.065277	0.097526	0.179174	0.073737	4.54537	1.453919	355.7066	7.32E-33	2.13E-31
LOC114285189	1.311391	1.059317	1.34691	0.414587	0.652864	0.587731	1.032631	0.059414	15.40265	0.000171	0.000415
LOC114285233	0.616367	0.597635	0.771287	0.217864	0.196045	0.235315	1.492778	-0.20112	24.29634	3.79E-06	1.16E-05
LOC114285208	1.208793	1.361098	1.42302	0	0	0	8.160124	-0.29462	118.5528	6.28E-18	5.69E-17
LOC114285255	2.380292	1.710768	2.949198	4.326946	4.856634	3.967531	-1.00171	1.043544	31.34124	2.37E-07	8.28E-07
LOC114285275	1.745806	1.503239	1.579686	4.933691	4.766537	5.141647	-1.72124	2.777616	293.7044	5.99E-30	1.41E-28
LOC114285277	1.996797	2.13159	1.96602	0.282843	0.742337	0.427698	1.912955	0.649389	66.91855	1.84E-12	1.05E-11
LOC114285292	1.008284	0.967694	1.033492	1.894387	1.937112	2.027525	-1.06847	2.74129	118.9918	4.29E-18	3.94E-17
LOC114285320	0.641497	0.893401	1.16855	0.460313	0.265786	0.371231	1.204914	0.286366	22.17567	9.73E-06	2.82E-05

LOC114285349	0.964272	1.013383	1.024169	0.029215	0	0.044176	5.118421	0.112311	138.0454	8.41E-20	8.89E-19
LOC114285352	2010.4	1983.355	1958.015	883.1577	868.0799	885.6537	1.069244	11.11739	4953.578	6.45E-17	5.36E-16
LOC114285375	0.179901	0.371376	0.461219	0.926581	1.287457	1.40112	-1.97379	-0.27907	42.08092	4.78E-09	2E-08
LOC114285411	0.477428	0.462571	0.439175	0	0	0.03052	5.056421	-0.4056	89.31062	4.34E-15	3.13E-14
LOC114285413	15.04282	14.60312	14.53007	33.14476	32.58138	32.93066	-1.26404	5.511952	1012.175	1.97E-50	2.13E-48
LOC114285416	4.073419	3.39855	4.259943	1.516635	1.7561	2.023557	1.026199	1.832778	53.24524	1.17E-10	5.71E-10
LOC114285428	0.261514	0.200771	0.313457	1.469371	1.190961	1.192635	-2.39284	0.993016	148.2058	1.18E-20	1.33E-19
LOC114285433	0.918387	0.663386	0.875797	0.220495	0.297618	0.381051	1.311231	0.101615	24.16641	4E-06	1.22E-05
LOC114285442	1.546629	1.422226	1.132897	9.090502	9.924652	9.423877	-2.89358	2.696458	617.3076	7.88E-42	4.57E-40
LOC114285506	0.314943	0.301097	0.332983	0.615718	0.995107	0.816712	-1.47856	1.549487	90.72544	4.79E-15	3.44E-14
LOC114285507	2.580845	2.554748	3.03823	0.10311	0.162371	0.058469	4.527649	1.631755	392.1942	2.16E-34	7.11E-33
LOC114285556	2.218114	2.331085	2.166342	0.597353	0.540886	0.474223	1.960663	1.398428	126.3215	9.07E-19	8.83E-18
LOC114285560	3.216218	3.342881	4.023087	17.89932	16.50122	19.04159	-2.44277	2.729031	495.4374	3.69E-38	1.63E-36
LOC114285540	2.674893	1.721099	2.399197	0.595405	1.093872	0.75028	1.346265	-0.07445	21.71974	1.1E-05	3.16E-05
LOC114285568	1.332646	1.376982	1.188614	0.0285	0.08976	0.086192	4.037211	0.519908	161.0392	1.11E-21	1.37E-20
LOC114285587	0.74063	0.719485	0.797805	0.21119	0.187069	0.219552	1.754316	0.132257	41.70324	5.45E-09	2.27E-08
LOC114285688	1.160124	1.457024	1.029547	0.135186	0.085153	0.061326	3.608635	0.526874	140.2219	5.48E-20	5.87E-19
LOC114285689	756.149	767.9949	771.8034	335.3938	329.7452	327.8456	1.103912	8.441922	1815.603	6.58E-23	9.02E-22
LOC114285695	4.15407	3.860771	4.491801	0.958902	2.265023	2.174991	1.05171	0.548695	22.14487	9.21E-06	2.67E-05
LOC114285734	0.952173	0.832489	0.812338	0.06109	0.160334	0.061584	3.043823	0.492622	114.9344	1.04E-17	9.23E-17
LOC114285747	2.007066	1.640787	1.782323	15.39362	14.44219	12.92344	-3.06766	3.170894	960.6704	1.67E-49	1.67E-47
LOC114285762	1.858615	1.864868	1.779289	9.483582	9.903394	9.370643	-2.4907	4.258795	1474.824	3.19E-57	6.15E-55
LOC114285764	2.06328	1.746939	2.249438	5.2335	6.020775	5.297837	-1.55669	3.853267	484.4368	5.05E-32	1.39E-30
LOC114285790	1.079977	1.454494	1.00048	0.384942	0.575872	0.436565	1.2059	0.340755	24.33983	3.73E-06	1.14E-05
LOC114285822	1.00445	1.367731	1.257626	2.293003	2.106339	2.857346	-1.11788	1.26401	45.72251	1.37E-09	6.06E-09
LOC114285843	0.638421	0.718861	1.010103	1.810436	1.279274	1.649599	-1.09692	0.532748	26.28056	1.7E-06	5.43E-06

LOC114285871	9.894957	10.35063	9.848974	20.72613	19.97782	20.9404	-1.1395	5.785628	920.4427	9.54E-49	8.94E-47
LOC114285875	0.151635	0.117752	0.120647	0.674855	0.598713	0.704271	-2.43136	1.213647	181.2473	3.43E-23	4.83E-22
LOC114285885	26.21421	25.42959	27.81432	10.04445	9.931811	8.653977	1.371726	4.067143	428.8278	8.18E-36	3.01E-34
LOC114285901	7.484175	7.845503	7.648836	3.26428	3.203929	3.12729	1.155342	4.720339	454.0009	9.82E-37	3.91E-35
LOC114285937	0.37376	0.349387	0.178213	0.038458	0.010094	0	4.199189	-0.33784	70.6369	1.07E-11	5.72E-11
LOC114285950	0.663634	0.785246	0.729163	0.020447	0.032198	0	5.167689	0.157872	142.1301	3.78E-20	4.1E-19
LOC114286011	1.265923	1.018162	1.142543	0.287653	0.582398	0.248555	1.488674	0.152352	30.34209	3.47E-07	1.19E-06
LOC114286067	3.655246	2.384152	3.134572	0.405158	0.44661	0.643287	2.486225	1.323959	155.6901	1.3E-20	1.46E-19
LOC114286096	2.206405	1.83123	2.048679	0.979175	1.008191	0.839984	1.007355	2.133409	62.68763	6.37E-12	3.48E-11
LOC114286101	2.414346	1.89266	2.249795	0.999991	0.78736	0.882074	1.204153	0.685712	32.71109	1.41E-07	5.07E-07
LOC114286125	2.061446	1.661239	1.931909	0.477602	0.809949	0.694424	1.377866	0.996985	51.01946	2.39E-10	1.13E-09
LOC114286132	0.154201	0.159161	0.141189	0.350388	0.294276	0.317901	-1.17335	0.212071	24.86771	3.01E-06	9.28E-06
LOC114286183	1.259402	1.487258	1.181256	0.335029	0.395686	0.886569	1.114294	0.006601	16.02553	0.00013	0.000322
LOC114286227	5.691391	5.439768	5.598946	0.80201	0.726197	0.606376	2.875367	2.122329	357.2219	6.29E-33	1.83E-31
LOC114286196	2.38344	2.420165	2.548639	0.580268	0.731014	0.81895	1.654915	1.222222	84.46316	1.5E-14	1.03E-13
LOC114286251	28.71803	29.62698	27.73477	13.92304	12.29064	13.50974	1.012927	5.314368	542.1537	2.16E-39	1.04E-37
LOC114286279	0.534914	0.56885	0.750991	1.134441	1.233495	1.552059	-1.20028	0.046217	22.58956	7.65E-06	2.25E-05
LOC114286312	1.279801	0.982536	0.958753	0.070498	0.249787	0	3.182202	0.047934	70.17301	5.13E-11	2.58E-10
LOC114286317	16.91802	15.50846	16.57897	7.76451	7.246829	7.525903	1.017032	4.996709	462.0606	5.09E-37	2.06E-35
LOC114286328	0.542231	0.662671	0.682958	0.192328	0.170361	0.227208	1.557341	0.98293	62.73195	6.29E-12	3.43E-11
LOC114286364	4.32548	3.833465	4.036287	0.978166	1.214507	1.009786	1.816449	2.902826	310.3217	8.97E-31	2.26E-29
LOC114286415	0.484072	0.372111	0.419359	0.093072	0.053296	0.025589	2.854254	0.739034	123.5464	2.11E-18	1.99E-17
LOC114286422	7.959205	8.090253	7.520115	20.60482	20.87784	20.21824	-1.49304	3.814001	511.6252	1.09E-38	4.99E-37
LOC114286429	0.36112	0.496981	0.506994	2.443461	3.158641	2.922795	-2.76193	1.339481	233.0506	1.34E-26	2.46E-25
LOC114286431	0	0.024534	0	1.821949	1.746399	1.61709	-7.358	0.281691	256.9357	5.47E-28	1.11E-26
LOC114286466	3.62913	3.822754	3.601592	0.042562	0	0.06436	6.454761	1.321828	387.4805	3.36E-34	1.09E-32

LOC114286436	2.58786	2.824541	2.825946	7.243995	6.658079	7.004406	-1.44771	3.228355	313.1969	6.51E-31	1.66E-29
LOC114286410	0.117023	0.065884	0.160723	1.648637	1.465576	1.045439	-3.62141	-0.33106	98.59308	4.43E-16	3.45E-15
LOC114286484	2.018511	1.866975	1.861387	0	0	0	8.366106	-0.11641	138.3026	1.12E-19	1.18E-18
LOC114286518	61.17365	53.32753	59.24446	113.2387	112.0612	116.0366	-1.07935	5.61821	734.5386	8.35E-45	5.85E-43
LOC114286559	18.85002	16.85302	16.68208	7.691747	7.979964	7.275072	1.086665	4.499855	338.7141	4.17E-32	1.15E-30
LOC114286568	6.017738	6.254732	5.676753	0.922908	0.983137	1.046674	2.488157	2.813771	480.2021	1.2E-37	5.08E-36
LOC114286583	0.358022	0.403132	0.487034	0.123966	0.097606	0.082011	1.942787	0.021204	43.72509	2.71E-09	1.16E-08
LOC114286624	0.853895	0.80967	0.617243	1.919861	1.543796	1.698621	-1.26466	0.77645	42.19111	4.6E-09	1.93E-08
LOC114286626	1.595132	1.045012	1.210913	0.316327	0.45662	0.518192	1.441362	-0.01056	25.89362	1.99E-06	6.28E-06
LOC114286642	1.725521	1.279492	1.942143	0	0	0.057843	5.803685	-0.48573	89.76131	3.88E-15	2.81E-14
LOC114286672	1.029561	1.088595	1.062245	5.295139	6.002232	5.832677	-2.53986	3.054186	692.0857	8.85E-44	5.83E-42
LOC114286675	0.225719	0.153833	0.248007	0.475104	0.442095	0.432687	-1.19561	0.785748	37.97419	2.04E-08	8.02E-08
LOC114286679	0.371625	0.286936	0.279991	3.377741	3.161029	3.385619	-3.49108	2.391371	642.3568	1.66E-42	1E-40
LOC114286697	1.387967	1.603975	1.605281	0.066397	0.261393	0.301203	2.650197	-0.27019	53.95436	9.32E-11	4.59E-10
LOC114286699	2.32133	2.564495	2.358048	0.716564	0.376132	0.78256	1.841352	0.198096	46.062	1.23E-09	5.43E-09
LOC114286705	11.18636	10.72169	10.4409	4.432845	4.26589	4.122926	1.233859	3.546291	276.4548	4.71E-29	1.04E-27
LOC114286711	0.883223	0.672755	0.970434	0.330553	0.334628	0.321327	1.245747	-0.37123	15.47698	0.000165	0.000402
LOC114286750	8.26919	9.153274	7.391759	0.934187	0.802415	0.70631	3.245322	1.594992	282.4132	2.28E-29	5.17E-28
LOC114286735	4.063394	4.228067	4.729846	1.68208	1.535552	1.91687	1.23086	2.771609	141.2708	4.47E-20	4.82E-19
LOC114286870	0.375907	0.388951	0.200931	0.073874	0.029083	0.055854	2.510438	-0.59944	36.80688	3.1E-08	1.2E-07
LOC114286906	14.48976	15.92465	15.34851	0.031545	0.037256	0.011925	9.002228	4.691047	4866.773	1.52E-79	1.66E-76
LOC114286907	19.73154	18.28128	20.26596	0.038987	0.030697	0.088432	8.295678	3.746597	2613.274	8.26E-68	3.41E-65
LOC114286908	5.45245	4.539272	5.417244	0	0	0	10.0997	1.469112	469.7787	7.54E-37	3.01E-35
LOC114286940	0.016201	0	0	0.647904	0.695642	0.73479	-6.48242	-0.56571	132.7828	2.41E-19	2.45E-18
LOC114286947	2.05673	2.127372	1.918215	0	0.03423	0	6.914885	0.497215	213.5006	2.21E-25	3.71E-24
LOC114286948	60.4777	59.93552	69.69081	5.592648	6.092462	6.719151	3.251858	4.603756	2163.869	1.51E-60	3.59E-58

LOC114287003	56.40912	52.06239	54.89333	104.9142	102.605	105.3324	-1.04281	6.978697	1100.779	1.43E-30	3.54E-29
LOC114287094	3.881139	3.646924	3.588677	1.117904	1.31052	1.108169	1.54226	2.442054	167.0776	3.83E-22	4.89E-21
LOC114287042	0.21341	0.192239	0.468965	2.870765	2.810157	3.05043	-3.40504	0.211434	139.292	6.58E-20	7.01E-19
LOC114287060	11.57241	11.7344	12.56829	1.942987	2.500705	2.457807	2.25741	4.363328	1111.767	3.29E-50	3.48E-48
LOC114287069	6.203953	5.908904	7.329065	13.01597	11.91745	11.63608	-1.01205	3.611115	197.9164	3.63E-24	5.49E-23
LOC114287098	0.635543	0.937708	0.818693	0	0	0	7.809466	-0.59525	89.95203	4.53E-15	3.26E-14
LOC114287081	5.502049	5.65363	5.830606	2.104192	1.979517	2.231414	1.320049	3.950534	396.6331	1.44E-34	4.79E-33
LOC114287107	7.414424	7.076241	7.449507	3.13528	3.404985	3.078912	1.082183	3.002955	139.6035	6.19E-20	6.6E-19
LOC114287117	1.024484	0.999758	1.335763	0.347635	0.332369	0.394254	1.52671	0.78796	52.60175	1.43E-10	6.94E-10
LOC114287133	7.315199	7.138645	7.135057	15.44403	13.40918	15.0281	-1.12407	3.699098	272.5759	7.58E-29	1.65E-27
LOC114287155	2.158101	1.305009	1.932086	2.978607	4.118496	3.130877	-1.02617	1.019396	31.84043	2.06E-07	7.25E-07
LOC114287164	2.775453	2.635498	2.894923	1.488008	1.098382	1.23051	1.031447	2.268043	71.49883	4.98E-13	3E-12
LOC114287165	2.299342	2.21919	2.592867	1.037092	0.86606	0.855397	1.271663	2.53004	123.7182	1.57E-18	1.49E-17
LOC114287203	24.96984	23.1088	22.72622	8.190004	8.102542	8.162464	1.428733	5.013304	874.7403	7.53E-48	6.55E-46
LOC114287175	0.843288	0.601376	0.741245	1.788438	1.408156	1.390818	-1.14401	0.332175	25.36207	2.46E-06	7.68E-06
LOC114287235	0.643285	0.795351	0.734522	0.275148	0.252749	0.312046	1.25096	0.372408	27.73413	9.57E-07	3.13E-06
LOC114287226	0.76223	0.915487	0.94916	4.34154	5.454866	3.911072	-2.48692	0.725857	129.8602	4.36E-19	4.35E-18
LOC114287291	1.071413	1.072363	1.226256	0.270505	0.340779	0.449946	1.524819	0.674422	48.84395	4.86E-10	2.24E-09
LOC114287340	4.792805	3.693478	4.033574	0.865067	0.53517	0.747487	2.457948	2.134992	269.9783	2.06E-28	4.32E-27
LOC114287335	0.503273	0.63752	0.794891	0.914861	1.665765	1.210473	-1.1053	-0.03555	17.44402	6.88E-05	0.000177
LOC114287360	0.495568	0.541351	0.568882	1.223548	1.069247	1.138569	-1.19636	1.801438	77.49867	9.51E-14	6.09E-13
LOC114287380	0.843085	1.071804	0.926333	0.346066	0.311407	0.560679	1.080084	-0.24666	13.00947	0.000511	0.001155
LOC114287382	1.021718	1.053231	0.838	0.026159	0	0.019778	5.758067	0.207402	157.2764	2.2E-21	2.64E-20
LOC114287389	2.578204	2.377613	3.076323	0.911895	1.185527	1.394946	1.071244	2.328181	74.19481	4.4E-13	2.66E-12
LOC114287402	3.331928	3.192273	3.532475	7.703888	7.739102	7.833186	-1.31582	2.542657	150.0421	8.36E-21	9.56E-20
LOC114287406	67.92304	66.92105	69.23755	18.28884	16.9288	18.68417	1.815828	5.696932	2046.03	3E-63	9.08E-61

LOC114287407	2.307312	2.234304	2.585842	4.949251	4.425264	4.820176	-1.09404	1.249797	45.62758	1.42E-09	6.24E-09
LOC114287435	5.254805	5.214894	5.871533	10.30785	10.58061	10.28246	-1.03831	3.028058	140.3659	5.33E-20	5.71E-19
LOC114287418	0.677643	0.957839	0.712872	0.104837	0.247635	0.217976	1.867969	0.167179	44.42796	2.13E-09	9.23E-09
LOC114287452	1.013581	0.966498	0.872872	1.801011	1.921237	1.945272	-1.09735	3.250154	187.0031	1.34E-23	1.95E-22
LOC114287453	0.770061	0.928396	0.965748	3.591491	3.195213	3.27133	-2.02066	3.06536	469.668	2.76E-37	1.14E-35
LOC114287458	0.675196	0.785897	0.808551	0.372353	0.228028	0.375367	1.117233	1.159026	38.5354	1.67E-08	6.61E-08
LOC114287506	4.848106	4.941297	5.005371	0	0.119639	0	6.561368	0.933089	287.3354	1.27E-29	2.92E-28
LOC114287507	1.946421	1.13642	2.455446	8.321432	9.389504	7.728244	-2.29696	2.138211	243.6501	4E-21	4.72E-20
LOC114287509	4.745046	3.580301	4.407356	0	0	0.067233	6.948702	0.52367	215.065	1.75E-25	2.97E-24
LOC114287492	1.128854	1.011681	1.417507	1.800783	3.132517	2.944677	-1.28001	1.359297	57.80435	9.52E-11	4.69E-10
LOC114287515	27.69023	26.54303	27.67362	12.14532	12.58492	12.22979	1.041608	5.292555	606.1259	1.61E-41	9.09E-40
LOC114287533	1.495989	1.68448	1.379538	0.631299	0.61177	0.44059	1.341055	0.343448	30.38627	3.41E-07	1.17E-06
LOC114287547	10.32684	10.21696	10.18638	19.02546	19.43083	19.28044	-1.01556	5.276744	597.9794	2.72E-41	1.5E-39
LOC114287568	3.514109	3.462269	3.668044	1.277605	0.8802	1.207448	1.557208	-0.15481	27.23919	1.16E-06	3.77E-06
LOC114287583	2.374154	1.68623	1.765809	0.265587	0.679621	0.502006	1.854193	0.149054	43.60727	2.82E-09	1.2E-08
LOC114287584	0.909541	1.291308	1.042801	0.071886	0.169802	0.135877	2.914392	0.045962	77.19933	1.03E-13	6.59E-13
LOC114287590	2.859115	2.354455	2.424728	5.551978	4.886242	5.136087	-1.12635	4.276587	325.7993	6.18E-30	1.45E-28
LOC114287597	4.206948	4.131117	4.622349	0	0	0	9.094217	0.538768	233.9143	2.12E-26	3.82E-25
LOC114287602	12.23909	10.64478	11.59276	3.52907	4.147871	3.402951	1.529822	3.023967	255.0233	7.01E-28	1.41E-26
LOC114287612	0.368575	0.493531	0.404969	0.036216	0.085547	0.068455	2.549728	-0.24552	52.36809	1.55E-10	7.46E-10
LOC114287629	1.059783	1.003228	0.79346	0.358022	0.241624	0.232019	1.706084	1.048982	74.33204	2.26E-13	1.4E-12
LOC114287639	0.523955	0.466489	0.749737	1.661261	1.447543	1.976152	-1.65549	1.522009	109.1758	5.66E-17	4.73E-16
LOC114287650	1.46302	1.620787	1.633408	0.300267	0.270195	0.454046	2.064088	0.409079	65.4625	2.81E-12	1.58E-11
LOC114287659	0.96043	1.182827	1.132211	3.146239	3.121613	3.080034	-1.62146	2.689604	241.4886	4.22E-27	7.99E-26
LOC114287669	3.805633	3.984423	3.618996	0.040456	0	0.030587	7.095193	1.429099	435.3939	4.66E-36	1.76E-34
LOC114287714	3.272194	2.914591	2.951362	0.843411	0.908732	0.939735	1.649253	1.336459	91.823	2.31E-15	1.71E-14

LOC114287726	27.63951	30.02189	28.64543	11.82479	13.10086	13.35755	1.061716	4.593947	345.1518	2.14E-32	6.05E-31
LOC114287749	3.921481	4.21638	3.887545	1.500748	1.434847	0.769955	1.616801	1.466907	89.58292	4.75E-15	3.42E-14
LOC114287791	0	0	0	3.67156	2.19146	2.372994	-9.09948	0.345283	259.2018	4.59E-26	8.07E-25
LOC114287797	0.116667	0.131367	0.054937	0.757429	0.57252	0.71011	-2.81039	-0.43712	66.98606	1.8E-12	1.03E-11
LOC114287812	0.758829	0.382249	0.702111	1.742419	1.743485	1.921194	-1.64413	0.906093	72.42627	3.84E-13	2.33E-12
LOC114287841	0.921866	0.875828	1.076198	2.618418	2.845083	3.088342	-1.6836	1.032149	87.06634	7.68E-15	5.41E-14
LOC114287876	0.214801	0.172761	0.123625	0.446251	0.424564	0.492037	-1.50366	-0.04376	32.18225	1.72E-07	6.13E-07
LOC114287890	0.025069	0.028228	0.027545	1.549441	1.25586	1.791684	-5.74144	-0.06376	182.4171	2.83E-23	4.02E-22
LOC114287908	11.77154	10.45443	11.47654	22.52877	23.13704	21.93253	-1.10723	3.6381	255.5623	6.54E-28	1.32E-26
LOC114287927	3.546516	3.671756	3.452115	1.471112	1.805592	1.472113	1.054608	1.736959	53.86917	9.58E-11	4.71E-10
LOC114287945	25.89696	26.21882	25.02418	9.785797	10.03019	9.8504	1.271982	4.063678	389.5947	2.76E-34	8.98E-33
LOC114287977	0.534282	0.18048	0.498982	1.01979	1.185305	1.395202	-1.66212	-0.06393	36.02318	4.31E-08	1.64E-07
LOC114287991	1.608289	1.728615	1.590385	0.664451	0.711506	0.602845	1.208912	1.298543	51.6212	1.96E-10	9.4E-10
LOC114288005	16.15531	15.23797	15.08658	0	0	0	11.91977	3.22098	1774.659	1.06E-59	2.4E-57
LOC114288044	0.345766	0.175199	0.24694	2.231319	2.251757	2.447385	-3.25107	1.188114	263.4332	2.38E-28	4.98E-27
LOC114288047	0.922077	0.747545	0.607875	2.1455	2.164409	2.788066	-1.74032	0.406425	58.04032	2.6E-11	1.34E-10
LOC114288054	0.759269	0.480901	1.459921	2.932958	4.346941	3.326281	-2.08745	0.540753	75.25722	2.45E-12	1.39E-11
LOC114288092	0.282667	0.318283	0.381752	0.04282	0.118002	0.113312	1.662746	0.234762	38.78477	1.52E-08	6.08E-08
LOC114288113	2.697665	2.326645	1.955003	4.069171	5.011273	4.733195	-1.09258	0.911641	35.23436	5.51E-08	2.07E-07
LOC114288153	1.81527	1.226394	1.462643	5.719718	3.983878	4.158179	-1.67807	-0.31583	31.78955	2E-07	7.05E-07
LOC114288160	0.209157	0.285976	0.377543	0.515998	0.727027	0.533863	-1.14809	-0.07819	18.35077	4.63E-05	0.000122
LOC114288203	0.358404	0.465648	0.605836	0.400932	1.183801	1.174638	-1.11781	-0.26633	13.98143	0.000358	0.00083
LOC114288229	0.782282	0.722295	0.68762	0.028441	0	0.043007	4.709167	-0.24409	98.38589	4.66E-16	3.62E-15
LOC114288235	1.860922	1.842937	2.044673	0.652111	0.738085	0.616301	1.406333	0.873455	49.95679	3.37E-10	1.58E-09
LOC114288251	0.108394	0.183077	0.119097	2.364488	1.47386	1.936694	-3.82626	-0.7381	78.26582	7.73E-14	4.98E-13
LOC114288289	3.21057	2.778458	3.043803	1.233948	1.168509	0.958166	1.333431	2.768218	161.5632	1.01E-21	1.26E-20

LOC114288302	4.278211	3.829868	3.999931	1.40083	1.7115	1.679992	1.218638	1.711868	69.59306	8.53E-13	5.02E-12
LOC114288310	2.826781	2.800995	2.795312	0.976331	0.80919	0.777026	1.622777	1.03253	71.66145	4.76E-13	2.87E-12
LOC114288311	4.239888	4.165162	4.468397	0.589849	0.743084	0.594623	2.620513	1.813691	257.9911	4.78E-28	9.73E-27
LOC114288325	0.082182	0.154228	0	1.792712	1.411521	1.091862	-4.19445	-0.24015	113.795	5.19E-17	4.35E-16
LOC114288327	9.35284	9.764098	9.391636	2.871164	1.773065	3.022094	1.795747	2.560367	218.1715	3.13E-25	5.2E-24
LOC114288363	0	0	0	1.41093	1.699053	1.757019	-7.90495	-0.82027	116.694	9.35E-18	8.35E-17
LOC114288341	1.322859	1.160452	1.656291	3.299501	3.148322	2.875193	-1.27022	2.16108	103.4376	1.41E-16	1.14E-15
LOC114288386	1.68824	1.542284	1.85494	5.964125	6.246072	6.348036	-1.97276	1.926825	208.7727	4.47E-25	7.3E-24
LOC114288457	1.046515	1.126387	1.183669	0.279761	0.374467	0.211519	1.84042	0.565406	60.9851	1.06E-11	5.68E-11
LOC114288480	0.836663	0.911444	1.02391	0.07419	0.097358	0.037395	3.617916	1.204563	234.991	1.03E-26	1.9E-25
LOC114288484	1.29166	1.11741	1.211513	2.892058	2.863296	2.597938	-1.30304	1.959798	100.3027	2.95E-16	2.32E-15
LOC114288519	0.883392	1.022328	0.997581	0.401462	0.316098	0.236082	1.518439	-0.17754	25.27827	2.55E-06	7.94E-06
LOC114288535	2.935234	2.612069	3.277081	1.204842	1.355218	1.138681	1.146025	1.454649	51.51712	2.03E-10	9.71E-10
LOC114288545	0.30167	0.358551	0.276215	0.974902	1.199383	0.829231	-1.7811	0.293089	55.07412	6.55E-11	3.26E-10
LOC114288614	0	0	0.022554	1.604512	1.351479	1.184911	-7.10846	0.041551	210.0333	3.7E-25	6.1E-24
LOC114288630	28.49512	29.56344	28.59718	6.107311	7.955119	7.895445	1.862125	4.69624	896.4883	5.16E-38	2.25E-36
LOC114288640	18.25596	17.90646	17.9357	1.395887	1.666339	1.463925	3.465716	4.540151	2433.494	1.78E-66	6.8E-64
LOC114288663	4.234862	4.145432	4.442581	17.52409	16.66102	18.39712	-2.14108	3.978042	1024.935	1.18E-50	1.31E-48
LOC114288695	1.968033	1.607509	1.993979	0.982355	0.819651	0.753815	1.034942	2.354053	73.64888	2.73E-13	1.68E-12
LOC114288736	1.571317	1.948469	2.185407	0.036157	0.142343	0.136685	3.955443	0.709933	174.8778	9.98E-23	1.35E-21
LOC114288698	0.752469	0.756033	0.53422	2.041259	1.706635	1.845637	-1.54516	1.755188	115.8572	8.48E-18	7.61E-17
LOC114288699	1.026771	0.653471	0.637653	4.950245	4.089345	4.601718	-2.62812	0.871465	157.5325	2.1E-21	2.53E-20
LOC114288713	1.232734	1.41376	1.555116	0.041498	0.065348	0.156877	3.763462	0.136772	110.4857	2.8E-17	2.4E-16
LOC114288752	1.962271	1.92512	1.430237	0.776983	0.583963	0.720965	1.258198	1.003042	42.90878	3.59E-09	1.52E-08
LOC114288720	5.888153	5.70004	6.674477	2.566929	2.593127	2.306962	1.186617	2.294866	94.96772	1.07E-15	8.05E-15
LOC114288763	3.772064	3.35911	3.7348	0.13036	0.102641	0.059137	5.12596	1.990618	562.1808	2.96E-40	1.52E-38

LOC114288725	2.133996	1.988586	1.859598	0.735715	0.421292	0.91023	1.423443	0.258916	31.19281	2.5E-07	8.74E-07
LOC114288766	1.936288	1.124195	1.429401	0	0	0	8.273896	-0.20331	121.8428	6.89E-18	6.22E-17
LOC114288731	10.33972	9.23051	11.17964	1.90953	2.240509	2.462847	2.095265	3.180978	482.1305	1.03E-37	4.38E-36
LOC114288776	1.490512	1.031253	1.381183	0.2938	0.308437	0.320859	1.966098	0.540961	66.22411	2.25E-12	1.28E-11
LOC114288850	0.186105	0.192091	0.153361	0.704803	0.843506	0.873924	-2.29007	-0.00162	69.87027	7.89E-13	4.66E-12
LOC114288833	14.41752	14.22824	14.97122	0.417378	0.339962	0.315567	5.254179	4.786991	4426.321	9.58E-78	8.47E-75
LOC114288835	68.12396	63.57259	66.76359	11.16341	11.09483	11.70887	2.440141	6.243678	4369.26	1.69E-77	1.45E-74
LOC114288855	1.569643	1.315285	1.223285	0.033178	0.026123	0.025085	5.393753	0.352182	173.9621	1.17E-22	1.56E-21
LOC114288893	1.359405	2.168474	1.120227	0.617789	0.378332	0.363294	1.689696	-0.15967	27.97429	9.7E-07	3.17E-06
LOC114288876	0.405885	0.520064	0.584366	1.043135	1.041686	1.173406	-1.22461	0.820378	41.12379	6.67E-09	2.75E-08
LOC114288883	6.07273	6.558783	5.73862	3.121856	2.559407	2.895675	1.000304	2.939502	109.4157	3.56E-17	3.03E-16
LOC114288934	2.669709	2.574444	2.121017	0.696849	0.489889	0.489233	2.05581	1.763566	165.1351	5.38E-22	6.8E-21
LOC114288983	11.599	11.12158	10.79981	5.173412	4.894891	4.897542	1.061967	3.34706	183.3878	2.41E-23	3.44E-22
LOC114288982	0.586344	0.427203	0.669505	0.083598	0.082277	0.094808	2.559122	-0.06099	60.90695	1.09E-11	5.81E-11
LOC114289000	1.035887	1.044543	1.070222	0.42158	0.309809	0.488741	1.257513	0.598334	33.1762	1.18E-07	4.29E-07
LOC114288996	4.333293	3.210051	3.382936	0.207293	0.040804	0.039182	5.227134	1.062468	273.288	2.05E-28	4.31E-27
LOC114289011	0.969759	0.825618	0.883598	2.063823	2.065085	2.53564	-1.42116	1.028643	63.57212	4.9E-12	2.7E-11
LOC114289050	1.566573	1.971482	2.075636	0.251272	0.395686	0.253306	2.486799	-0.29271	49.16701	4.37E-10	2.02E-09
LOC114289077	1.005777	1.255845	0.973792	0.380147	0.228049	0.465342	1.479537	1.179061	61.6221	1.24E-11	6.6E-11
LOC114289083	2.629474	2.446207	2.541492	6.863138	6.500666	6.744748	-1.50356	4.331849	644.5357	1.46E-42	8.83E-41
LOC114289103	0.857815	0.866831	1.015018	0.039983	0	0	5.880618	-0.4148	96.60633	7.15E-16	5.46E-15
LOC114289112	0.493041	0.337452	0.318661	0	0	0	7.954014	-0.48057	98.51374	5.67E-16	4.38E-15
LOC114289115	57.1375	55.89292	55.405	4.36501	4.112967	4.490507	3.593207	5.494598	5439.47	1.16E-81	1.68E-78
LOC114289126	0.826546	0.638186	0.882213	1.674228	1.521036	1.525491	-1.09969	0.637729	29.71194	4.42E-07	1.5E-06
LOC114289133	7.463457	8.088938	8.181207	0.031773	0	0	9.322961	2.766494	1168.46	5.31E-53	7.16E-51
LOC114289165	1.922854	1.527454	1.939071	4.429109	3.902041	4.181369	-1.31165	2.793976	174.6631	1.04E-22	1.4E-21

LOC114289173	2.001875	2.657473	2.199544	13.44534	11.34042	11.41097	-2.50104	3.389728	815.409	5.61E-43	3.49E-41
LOC114289194	3.902364	3.521063	4.060528	1.221449	1.516571	1.775963	1.218955	1.674346	66.69784	1.96E-12	1.12E-11
LOC114289226	15.90929	15.83039	15.30198	2.852984	2.837487	2.701995	2.38274	4.054781	1123.983	2.65E-52	3.35E-50
LOC114289235	1639.376	1551.051	1637.064	238.6355	239.0507	235.232	2.653656	9.154959	12100.19	5.83E-97	9.27E-93
LOC114289244	2.262146	2.354932	2.063446	8.301942	5.864676	7.332765	-1.77573	1.754076	147.9253	1.25E-20	1.4E-19
LOC114289253	51.8273	52.95796	51.5496	3.207837	3.294447	2.530798	4.014508	5.397371	5000.299	1.35E-62	3.67E-60
LOC114289264	3.430089	3.050112	3.293281	1.048927	1.147069	1.498006	1.280594	2.100413	94.78886	1.11E-15	8.39E-15
LOC114289272	7.492056	6.860484	7.142327	3.204522	3.264304	3.28598	1.033508	3.826553	244.8116	2.7E-27	5.18E-26
LOC114289274	4.079611	3.862827	4.278691	0.303382	0.238873	0.305837	3.736453	1.85431	404.8689	6.78E-35	2.33E-33
LOC114289276	3.332946	3.213091	2.984819	1.244939	1.208942	1.255014	1.255479	1.582878	67.81162	1.42E-12	8.2E-12
LOC114289313	1.151549	1.166107	1.256763	0.280981	0.320791	0.30804	1.855702	1.584993	132.8062	2.4E-19	2.44E-18
LOC114289352	2.585594	2.253966	2.932542	0.129958	0.306974	0.294772	3.242585	1.872332	322.461	1.25E-30	3.1E-29
LOC114289356	1.448725	1.631262	1.46797	0.087784	0.115197	0.044247	4.070393	0.688947	184.209	2.11E-23	3.02E-22
LOC114289372	1.167571	0.994586	0.959356	0.221472	0.334227	0.320942	1.699298	1.055456	76.74107	1.17E-13	7.43E-13
LOC114289374	0.290073	0.153704	0.056244	0.496284	0.805936	0.703547	-2.08515	-0.3432	41.18557	1.02E-08	4.15E-08
LOC114289380	1.739047	1.333577	1.466017	0.436038	0.493525	0.844793	1.218274	1.144001	43.12794	4.03E-09	1.7E-08
LOC114289390	2.604719	2.340944	2.494328	0.608154	0.581449	0.459807	2.076606	1.007228	104.2268	1.17E-16	9.55E-16
LOC114289421	2.329059	2.32081	2.445803	0.337206	0.206504	0.226624	3.117482	1.015926	181.842	3.11E-23	4.4E-22
LOC114289436	0.290904	0.257366	0.324194	0.045327	0.071377	0.051405	2.239873	0.449625	76.13851	1.38E-13	8.7E-13
LOC114289438	2.385148	1.66436	2.325376	0.122134	0	0.184684	4.215347	0.161229	118.1647	7.84E-18	7.06E-17
LOC114289447	0.391102	0.356498	0.327406	0.575534	0.826344	0.639917	-1.03553	-0.15052	14.74216	0.00023	0.000549
LOC114289465	0.142288	0.124613	0.138967	0	0	0	7.734312	-0.66493	87.19027	9.05E-15	6.33E-14
LOC114289485	7.862594	9.158548	8.128283	1.61938	1.995724	1.96963	2.045965	2.019902	200.0567	1.69E-24	2.63E-23
LOC114289478	2.782504	2.645723	2.853436	0	0.088502	0	6.223634	1.106162	312.9741	6.67E-31	1.7E-29
LOC114289528	7.405976	6.349966	7.577352	0.86458	0.680741	1.260674	2.801302	1.865553	277.9085	3.94E-29	8.75E-28
LOC114289553	12.34926	11.91361	13.56865	0.467682	0.966623	0.618801	4.057217	2.639695	713.4817	2.65E-44	1.8E-42

LOC114289603	0.041335	0.034908	0.034063	0.469627	0.547258	0.596519	-3.92444	-0.20336	123.8652	1.52E-18	1.45E-17
LOC114289611	1.118027	1.522665	1.123129	3.445357	3.337607	3.307383	-1.53064	2.733481	212.6929	4.13E-25	6.77E-24
LOC114289645	3.773177	3.059763	3.423094	1.447304	1.585473	1.498664	1.070934	2.123771	70.29743	6.99E-13	4.15E-12
LOC114289651	1.359086	1.38686	1.376622	0	0	0	8.646696	0.134518	169.8233	3.62E-22	4.65E-21
LOC114289733	0.325368	0.34971	0.373745	0.134423	0.084672	0.172776	1.301291	0.10275	23.81133	4.62E-06	1.4E-05
LOC114289725	3.075982	3.212794	3.104439	0.303616	0.458192	0.516498	2.732174	1.972052	296.3402	4.41E-30	1.05E-28
LOC114289749	1.982466	1.369115	1.626403	0	0	0.018165	7.483034	1.011635	307.1978	2.14E-30	5.19E-29
LOC114289762	3.201081	3.2521	3.252713	1.006292	1.136808	1.15778	1.437472	1.48607	80.98403	3.74E-14	2.49E-13
LOC114289775	3.253047	2.538342	3.229374	6.276566	5.677124	6.431946	-1.12705	3.290586	194.3208	5.82E-24	8.71E-23
LOC114289773	1.323809	1.768516	1.627095	0.163149	0.032115	0.185028	3.507268	0.327748	115.4395	9.3E-18	8.31E-17
LOC114289833	10.35934	11.21859	11.13116	21.0192	20.73632	21.75463	-1.06376	5.00581	523.2588	4.63E-39	2.19E-37
LOC114289849	7.132927	6.735322	6.874776	1.182899	0.85973	1.203938	2.57401	2.281519	338.9238	4.08E-32	1.13E-30
LOC114289872	0.812308	0.457328	0.720879	0.283967	0.111793	0.364988	1.289318	-0.02817	19.32658	3.43E-05	9.22E-05
LOC114289912	0.911651	0.916139	0.893962	2.744211	3.114775	3.017912	-1.81506	2.599115	278.6279	3.61E-29	8.05E-28
LOC114289924	0.064182	0.02409	0.011753	0.194453	0.398074	0.411655	-3.37027	-0.82113	60.26288	1.51E-11	7.98E-11
LOC114289957	0.057452	0.129381	0.189374	2.506492	2.261334	2.487296	-4.34678	0.438514	213.2136	2.3E-25	3.86E-24
LOC114289936	12.42393	10.79877	10.11828	6.141397	4.367575	5.017786	1.017082	2.190603	64.02146	4.29E-12	2.38E-11
LOC114290023	1.363963	2.104642	1.942686	0.688734	0.650743	0.867885	1.163615	0.684465	29.02756	5.76E-07	1.94E-06
LOC114290028	24.69524	24.66131	23.86458	5.048045	5.488818	5.020744	2.127053	4.729802	1343.119	1.61E-55	2.63E-53
LOC114290040	0.199172	0.105537	0.18022	16.95285	17.42297	18.80764	-6.8539	4.570454	4983.456	1.5E-79	1.66E-76
LOC114290053	2.804394	2.569535	3.111514	0.149938	0.078704	0.075576	4.696571	0.783415	222.9388	5.59E-26	9.76E-25
LOC114290062	0.530519	0.716836	0.777205	0.225024	0.354353	0.267353	1.115422	-0.13773	14.89029	0.000215	0.000516
LOC114290110	30.45608	27.17838	31.60776	9.865433	8.989903	10.14522	1.516714	4.948236	864.9744	3.01E-46	2.34E-44
LOC114290123	0.874769	0.933146	0.935852	0.083693	0.098846	0.031639	3.538111	-0.40261	69.0451	9.98E-13	5.84E-12
LOC114290126	2.372868	2.150508	2.352811	0.140275	0.248507	0.159086	3.503105	1.030742	208.7646	4.47E-25	7.3E-24
LOC114290128	3.959144	3.962656	3.020887	1.39942	1.652785	1.284786	1.228145	1.524677	58.86645	2.02E-11	1.05E-10

LOC114290159	6.254542	5.961058	6.01311	0.203029	0.19183	0.214906	4.772859	2.102576	593.1734	3.72E-41	2.03E-39
LOC114290277	5.796483	5.855628	6.436591	1.905622	2.265345	1.977546	1.442726	2.575952	163.3375	7.4E-22	9.26E-21
LOC114290285	17.95678	17.00851	16.97785	5.603816	4.026184	4.342798	1.809435	3.099404	359.0709	5.23E-33	1.54E-31
LOC114290307	0.922454	0.858041	1.160428	0.315929	0.344426	0.404233	1.340162	0.67887	38.88369	1.47E-08	5.87E-08
LOC114290300	0.378697	0.330687	0.305699	0.056196	0.066371	0.05311	2.404218	-0.18098	52.14078	1.66E-10	8.01E-10
LOC114290302	1.636007	1.319371	1.60322	4.179633	3.733909	3.433563	-1.40562	1.879432	107.5944	5.39E-17	4.51E-16
LOC114290333	8.109059	8.033179	7.217838	2.05447	2.143347	2.640648	1.654607	3.41783	398.3313	3.09E-34	1E-32
LOC114290341	11.42703	11.86605	11.39282	0.230803	0.181727	0.116336	5.918469	2.083747	655.5705	7.49E-43	4.63E-41
LOC114290360	0.718766	0.642185	0.815491	0.298243	0.10064	0.257706	1.652539	0.935708	61.07618	1.99E-11	1.04E-10
LOC114290351	18.61457	15.66809	19.54135	100.6763	96.81125	94.10302	-2.53876	4.268136	1463.617	4.4E-57	8.32E-55
LOC114290353	0.989064	0.816702	0.91768	0.239726	0.314586	0.392707	1.383696	-0.09149	23.28066	5.75E-06	1.72E-05
LOC114290405	1.229599	0.851296	0.985874	0.075513	0.083239	0.057093	3.716743	1.067085	217.1132	1.3E-25	2.21E-24
LOC114290407	18.836	16.86104	17.08484	3.808647	2.881201	3.754776	2.239614	3.932098	889.7195	1.66E-46	1.31E-44
LOC114290463	0.700432	0.922929	0.540353	0.243816	0.106651	0.040965	2.446306	-0.05336	50.72043	7.18E-10	3.26E-09
LOC114290468	10.66927	10.59885	10.90807	21.26692	19.89926	20.29726	-1.03742	4.531298	352.8781	9.73E-33	2.81E-31
LOC114290474	12.35341	10.68082	11.80384	4.972464	4.830791	5.366425	1.092787	3.505609	210.547	3.43E-25	5.67E-24
LOC114290490	0.027486	0.046423	0.050333	0.149892	0.203257	0.17629	-2.20816	-0.39332	48.11531	6.18E-10	2.82E-09
LOC114290504	5.247737	5.077995	5.901046	11.55168	11.03184	11.38221	-1.16962	2.643348	129.3338	4.86E-19	4.83E-18
LOC114290507	4.912132	5.013525	4.292482	1.09659	1.151225	1.381831	1.849329	1.680427	137.7848	8.85E-20	9.34E-19
LOC114290543	1.339928	0.771142	1.832114	0.324767	0.25571	0.450168	1.809	-0.08731	32.12165	2.66E-07	9.25E-07
LOC114290573	1.081715	0.661205	1.086652	0.393273	0.221179	0.339819	1.481135	-0.49408	18.41996	4.49E-05	0.000119
LOC114290570	3.345842	2.472363	2.872044	5.816049	6.135746	6.121785	-1.15787	2.707964	128.2815	6.04E-19	5.95E-18
LOC114290571	1.396704	1.328648	1.305306	0.014592	0.045956	0.044129	5.050521	1.427395	378.6379	7.75E-34	2.42E-32
LOC114290587	1.449083	1.338801	1.510518	6.281491	6.222179	5.668454	-2.17608	1.630241	203.2356	1.03E-24	1.63E-23
LOC114290585	3.766686	3.492819	3.469133	6.998203	8.047198	6.471166	-1.10781	2.572231	105.6951	8.34E-17	6.87E-16
LOC114290602	0.184811	0.187287	0.243672	0.739099	0.608393	0.685813	-1.81673	0.565536	71.0123	5.71E-13	3.42E-12

LOC114290604	0.263963	0.281579	0.259498	0.454583	0.55677	0.763771	-1.26844	-0.01195	23.85022	4.55E-06	1.38E-05
LOC114290609	4.617992	4.519111	4.985946	15.84927	15.58595	16.14772	-1.85805	5.439395	1965.54	1.66E-62	4.48E-60
LOC114290662	0.322037	0.379881	0.404384	0.864171	0.943807	0.906292	-1.40468	0.380649	39.49455	1.18E-08	4.77E-08
LOC114290665	0.864387	0.621829	0.791448	1.614948	1.134091	1.683019	-1.04835	0.542445	24.58586	3.37E-06	1.04E-05
LOC114290705	0.435107	0.427386	0.284808	0.185115	0.132503	0.127236	1.286398	-0.06263	20.18199	2.11E-05	5.83E-05
LOC114290740	0	0.035381	0.034524	1.656456	1.619054	1.641071	-6.00374	-0.29042	157.9743	1.94E-21	2.34E-20
LOC114290787	9.621748	9.805878	10.47892	0.307392	0.55667	0.627507	4.16744	3.207056	1169	5.21E-53	7.05E-51
LOC114290767	0.578748	0.695114	0.720681	0.110216	0.126226	0.212115	2.002039	1.216464	107.5151	5.49E-17	4.59E-16
LOC114290853	0.028961	0.065219	0.095461	0.434323	0.30052	0.358231	-2.61603	-0.12421	73.07313	3.2E-13	1.96E-12
LOC114290821	3.241102	4.339915	3.561134	0.796182	1.211981	1.083544	1.710675	1.346094	91.75148	2.36E-15	1.74E-14
LOC114290844	1.202134	1.44384	1.276807	4.589056	4.588277	5.121859	-1.97513	1.22376	131.2172	3.31E-19	3.33E-18
LOC114290824	4.834604	4.026886	4.366012	24.19832	21.80188	23.39291	-2.48635	2.676074	497.2292	3.22E-38	1.42E-36
LOC114290832	4.007358	3.74467	4.19049	0.837317	0.76476	0.595086	2.352447	2.943278	473.8752	1.97E-37	8.28E-36
LOC114290849	0.996468	1.04374	0.942089	0.140419	0.110561	0.138016	2.829007	1.197758	185.0521	1.83E-23	2.65E-22
LOC114290893	1.290968	1.159222	1.274801	3.148804	2.783323	3.144341	-1.38394	2.002479	115.8087	8.58E-18	7.69E-17
LOC114290954	0.848621	0.838198	1.16143	0.460086	0.319638	0.511555	1.032065	0.571174	21.82382	1.05E-05	3.03E-05
LOC114291019	1.46069	1.218321	1.525665	0	0.025811	0	6.787369	0.379903	192.3652	5.64E-24	8.44E-23
LOC114291057	0.645014	0.62649	0.660014	1.288878	1.324903	1.258705	-1.10801	2.589235	112.5318	1.77E-17	1.54E-16
LOC114291031	4.235807	3.762476	4.141629	1.436258	1.390017	1.357389	1.434764	3.890411	446.0095	1.9E-36	7.43E-35
LOC114291044	4.318342	4.167809	4.230791	0.579198	0.688913	0.540404	2.704559	3.414495	895.2366	2.95E-48	2.62E-46
LOC114291097	0.972461	1.167027	0.899775	0.18608	0.201456	0.158276	2.361665	0.598716	91.08515	2.78E-15	2.04E-14
LOC114291181	1.259244	1.243777	1.165123	3.895453	4.205472	4.099037	-1.83906	1.88002	180.272	4.03E-23	5.65E-22
LOC114291183	4.164063	5.444972	4.476838	13.59258	15.12427	16.30772	-1.79404	2.757002	291.9508	7.36E-30	1.72E-28
LOC114291154	0.068735	0.077396	0.13594	0.7247	0.826392	0.699075	-3.0842	-0.06456	101.2166	2.37E-16	1.88E-15
LOC114291246	3.384411	3.489443	3.539384	0	0	0	9.040984	0.490697	225.8038	6.49E-26	1.13E-24
LOC114291258	0.793936	0.548573	0.793028	0.032801	0	0	5.815625	-0.47445	90.15267	3.51E-15	2.55E-14

LOC114291245	3.032301	2.845303	3.054072	0	0	0	8.192136	-0.26893	122.0075	3.02E-18	2.82E-17
LOC114291247	1.00918	0.692454	0.900923	0.114657	0	0.021672	4.264323	-0.01647	101.5813	5.45E-16	4.22E-15
LOC114291262	3.579006	3.794054	3.663849	0.412575	0.549743	0.551886	2.732453	1.882604	284.675	1.74E-29	3.99E-28
LOC114291265	0.580529	0.608069	0.652685	0.049084	0.173911	0.074221	2.45221	-0.14361	53.24096	1.17E-10	5.71E-10
LOC114291284	1.074104	1.253418	1.137247	0.67451	0.503135	0.429454	1.025713	0.476651	20.62591	1.74E-05	4.88E-05
LOC114291301	30.21696	29.88869	32.74206	6.423562	6.80997	6.577524	2.119626	4.324837	1056.408	3.41E-51	4.03E-49
LOC114291304	15.7209	14.77914	15.6966	5.945715	5.315719	5.713477	1.343037	3.900204	404.2671	7.16E-35	2.45E-33
LOC114291614	0.12857	0.099529	0.167752	0.409004	0.425547	0.496986	-1.85386	0.170165	54.92354	6.86E-11	3.41E-10
LOC114291616	0.218801	0.309394	0.329859	0.00925	0.014566	0.02098	4.030085	0.009878	104.6995	1.05E-16	8.59E-16
LOC114291610	5.170111	5.040736	5.333281	1.705419	1.984993	2.116323	1.30147	3.390924	271.1949	9E-29	1.94E-27
LOC114291588	1.565376	1.510809	1.197818	0.609766	0.520118	0.461026	1.334516	0.200807	27.05408	1.25E-06	4.04E-06
LOC114291650	0.018202	0.061486	0.109996	0.529409	0.403813	0.437796	-2.94579	-0.17265	81.77221	3.75E-14	2.49E-13
LOC114291622	4.092813	4.789496	3.953507	0.292206	0.33626	0.356883	3.576178	2.495851	561.6341	3.07E-40	1.57E-38
LOC114291670	0.6513	0.472611	0.747416	1.841696	1.553667	1.631156	-1.51468	1.289457	82.79605	2.32E-14	1.57E-13
LOC114291707	4.906344	4.952098	4.863844	1.979062	1.88088	2.063193	1.207601	4.421963	421.2839	1.57E-35	5.66E-34
LOC114291744	2.349859	2.308709	2.126261	0.083757	0.049461	0.110821	4.659079	1.657564	420.289	1.72E-35	6.16E-34
LOC114291745	2.463338	2.59183	2.706572	0.807492	0.959468	0.976832	1.380058	2.715046	169.4069	2.55E-22	3.31E-21
LOC114291761	4.355429	3.706665	4.507265	0.184125	0.217461	0	4.846684	0.49138	174.2446	1.11E-22	1.49E-21
LOC114291772	1.473866	1.341296	1.386471	2.715926	2.962014	3.177266	-1.18533	2.723686	140.5195	5.17E-20	5.55E-19
LOC114291835	0.680055	0.607312	0.850268	1.023078	1.107614	1.804876	-1.01036	0.447505	20.6727	1.74E-05	4.88E-05
LOC114291900	1.609504	1.233369	1.571937	0.81272	0.511927	0.67592	1.059321	0.613592	24.08952	4.13E-06	1.25E-05
LOC114291913	0.2841	0.287906	0.395393	0.860737	0.501509	0.702839	-1.17631	0.724682	33.52606	1.07E-07	3.89E-07
LOC114291909	2.961581	2.765389	2.923321	0.175077	0.051694	0.066185	4.846246	1.926579	502.7267	2.12E-38	9.49E-37
LOC114291911	2.755675	2.780507	2.870488	0.715618	0.358561	0.393496	2.452015	0.57554	94.54937	1.18E-15	8.88E-15
LOC114291916	1.98277	1.557624	1.811238	0.335286	0.313491	0.237656	2.502938	1.489991	188.5108	1.05E-23	1.54E-22
LOC114291972	7.54625	7.279052	7.216047	1.217273	1.142756	1.061935	2.586279	2.325087	356.9115	6.49E-33	1.89E-31

LOC114291992	1.576752	1.407184	1.424454	4.670933	4.747622	4.591016	-1.76938	3.012175	372.8037	1.36E-33	4.16E-32
LOC114291997	0.831135	0.805272	0.998152	0.070272	0.11066	0.053131	3.333802	-0.22116	74.99756	1.88E-13	1.18E-12
LOC114292014	0.111606	0.125668	0.327002	1.82591	1.384414	1.431646	-3.10119	-0.45349	74.19171	2.35E-13	1.46E-12
LOC114292034	0.113883	0.102586	0.150154	1.0765	1.2062	1.095647	-3.27649	-0.22246	99.24945	3.79E-16	2.96E-15
LOC114292023	8.148658	7.871257	7.248968	24.81333	23.77024	24.04769	-1.74514	4.568451	933.1271	5.46E-49	5.25E-47
LOC114292038	20.35971	22.35738	21.78542	42.05023	39.12146	40.64566	-1.02209	5.080127	508.7434	1.35E-38	6.12E-37
LOC114291984	4.002362	2.942359	3.634349	0.96206	1.088897	0.909231	1.731043	1.106029	81.5409	3.23E-14	2.16E-13
LOC114292049	16.79194	17.25003	15.89734	7.443023	7.440715	6.955268	1.089834	3.962929	274.7408	5.81E-29	1.27E-27
LOC114292053	1.519103	1.244005	1.471845	0.025104	0.019766	0.018981	5.836871	0.751009	248.0286	1.76E-27	3.41E-26
LOC114292067	6.309128	5.975621	6.181333	2.753356	2.4776	2.770422	1.103522	3.5411	225.7458	3.74E-26	6.64E-25
LOC114292072	2.524698	1.956338	2.296745	0.986978	0.854825	0.59698	1.396558	0.84614	46.48197	1.06E-09	4.74E-09
LOC114292140	4.805923	4.423966	4.663771	9.246459	7.983282	8.823084	-1.00544	2.537941	88.43105	5.43E-15	3.88E-14
LOC114292164	24.76984	24.37029	24.31344	10.92606	11.14894	9.890812	1.097022	4.286112	319.4315	3.27E-31	8.51E-30
LOC114292169	3.31063	3.005033	3.303469	0	0	0	9.200166	0.634271	252.7389	1.76E-27	3.41E-26
LOC114292218	10.49872	9.345637	9.953093	19.56332	20.10213	20.13311	-1.11014	4.880122	505.8889	1.67E-38	7.54E-37
LOC114292229	0.085364	0.09612	0.281379	2.017294	1.771621	2.053174	-3.7183	-0.37843	99.39802	3.65E-16	2.86E-15
LOC114292226	0.510055	0.392956	0.383444	1.58598	1.498497	1.770995	-2.01098	1.232205	134.3947	1.74E-19	1.8E-18
LOC114292248	0.637231	0.62023	0.545882	1.806277	1.839587	1.707089	-1.66901	1.763226	140.1246	5.59E-20	5.98E-19
LOC114292261	0.009524	0.064343	0.104643	1.644704	1.690296	1.557661	-4.88418	1.442572	432.0309	1.16E-33	3.59E-32
LOC114292311	7.778329	7.383519	6.790724	2.630626	2.740113	3.190586	1.244614	3.343541	232.2211	1.51E-26	2.76E-25
LOC114292322	2.069829	2.068302	2.067462	0.798123	0.679714	0.541861	1.532975	2.222508	140.4019	5.29E-20	5.67E-19
LOC114292370	1.624031	1.61509	1.940688	0.129293	0.084834	0.048877	4.22491	1.268008	287.3795	1.26E-29	2.91E-28
LOC114292391	0.738412	0.742998	0.845848	1.884933	2.136252	2.116118	-1.51064	1.469231	96.98125	6.53E-16	5.01E-15
LOC114292403	1.084571	0.594109	0.805178	1.864986	2.181663	1.692071	-1.29414	0.548059	36.33281	3.69E-08	1.41E-07
LOC114292420	0.038815	0.014569	0.085296	3.363312	2.703715	3.574284	-6.15946	1.95067	716.7172	4.05E-43	2.55E-41
LOC114292471	1.142502	1.259653	1.281467	0.346144	0.30661	0.163568	2.087638	0.073132	50.83701	2.53E-10	1.2E-09

LOC114292497	6.880875	6.639106	6.387154	2.372245	2.86966	2.771901	1.196604	3.558949	255.4711	6.62E-28	1.33E-26
LOC114292511	8.047176	7.952909	8.205669	16.78574	16.61388	16.82876	-1.15833	3.711724	300.9806	2.58E-30	6.26E-29
LOC114292531	1.549151	1.688072	2.086466	0	0	0	7.779656	-0.62344	89.03867	5.69E-15	4.06E-14
LOC114292569	0.792645	0.804728	0.913743	0.519664	0.260378	0.357184	1.070944	0.580806	23.61848	5E-06	1.5E-05
LOC114292553	0.874217	1.118045	0.86567	5.061799	4.402577	4.613255	-2.40274	3.007475	582.0309	7.75E-41	4.13E-39
LOC114292611	1.007321	1.029772	0.983001	0.31322	0.313016	0.409874	1.422595	1.65849	87.99782	6.06E-15	4.31E-14
LOC114292652	0.747293	0.643462	0.845231	0.039954	0	0.060416	4.247673	-0.63156	66.0296	2.38E-12	1.35E-11
LOC114292697	1.038724	0.862433	0.956839	0.190729	0.180208	0.129784	2.419253	0.777089	109.1973	3.74E-17	3.17E-16
LOC114292685	3.601244	3.015251	3.043721	0.279761	0.35244	0.507646	2.932777	0.905779	153.6588	4.27E-21	5.01E-20
LOC114292720	0.367092	0.359431	0.420876	0.899415	0.571104	0.833574	-1.09221	0.183577	20.62588	1.74E-05	4.88E-05
LOC114292715	15.38731	14.83217	16.39436	39.83804	34.78749	38.05095	-1.37438	3.801057	425.9431	1.05E-35	3.82E-34
LOC114292728	26.64162	23.97931	25.10405	3.29134	3.887236	3.495725	2.712969	3.31957	833.5401	5.28E-47	4.3E-45
LOC114292761	20.33548	17.83246	18.34871	0.560095	0.7938	0.592859	4.723581	2.26596	645.1994	1.4E-42	8.53E-41
LOC114292779	3.701619	4.298265	3.431635	0.946249	1.407307	0.635938	1.820003	0.438449	52.77962	1.35E-10	6.58E-10
LOC114292790	0.200223	0.037575	0.256658	0.667276	1.289596	1.146607	-2.73589	-0.76066	47.71682	7.72E-10	3.49E-09
LOC114292858	0.971508	0.848728	1.012224	1.918271	2.733073	2.394223	-1.43197	1.601152	91.76032	2.35E-15	1.73E-14
LOC114292873	0.42613	0.719732	1.070187	2.157894	1.481226	1.882521	-1.41838	0.399164	36.15546	5.27E-08	1.99E-07
LOC114292883	0	0	0	2.439063	2.800637	2.612478	-8.29363	-0.45556	155.7154	4.3E-21	5.05E-20
LOC114292905	2.745977	2.413902	2.567199	7.925413	8.929353	9.071012	-1.85442	2.838847	346.4567	1.87E-32	5.3E-31
LOC114292971	2.341735	2.30217	2.572962	0.993987	0.986796	1.110947	1.110761	2.144176	77.54781	9.39E-14	6.02E-13
LOC114292975	4.24494	4.182319	3.37533	0.1523	0.039972	0.153533	4.96641	1.198227	302.9846	2.05E-30	5.01E-29
LOC114292943	0.448606	0.411319	0.401363	0.174747	0.220144	0.167353	1.053739	0.606398	24.34798	3.71E-06	1.13E-05
LOC114293016	12.92248	11.11066	13.01005	0.586407	0.488877	0.547686	4.40957	3.33736	1399.416	2.89E-56	5.02E-54
LOC114293025	1.421739	1.309807	1.318676	3.658533	3.567723	3.781191	-1.54447	2.061338	148.1286	1.2E-20	1.35E-19
LOC114293030	0.404089	0.650005	0.602557	4.669712	4.544328	4.998418	-3.21116	1.491683	321.7083	2.55E-31	6.67E-30
LOC114293023	4.304784	2.908306	4.557851	19.63446	22.96522	20.11608	-2.51374	2.286845	362.7459	3.63E-33	1.08E-31

LOC114293045	1.958133	1.819879	1.724601	0.904009	0.823003	0.79029	1.031361	1.419418	42.08972	4.76E-09	1.99E-08
LOC114293050	2.799374	2.934703	2.845988	1.286813	1.013194	1.105592	1.238193	1.930322	81.87496	2.96E-14	1.98E-13
LOC114293074	2.04622	2.119282	2.577024	0.228093	0.400629	0.318376	2.690014	2.024425	284.9582	2.89E-29	6.5E-28
LOC114293084	0.55078	0.554896	0.493688	0.316175	0.290436	0.119525	1.069822	-0.16148	13.26271	0.000454	0.001035
LOC114293091	2.590721	3.049744	2.975921	0.071356	0.018728	0.05395	5.785836	1.78397	509.7426	1.25E-38	5.71E-37
LOC114293103	13.82903	13.13256	12.50084	29.63859	28.78727	29.67127	-1.26258	4.771588	587.1395	5.53E-41	2.96E-39
LOC114293146	0.012138	0.013668	0.013337	0.45234	0.486459	0.308635	-4.9896	0.112207	183.1622	2.5E-23	3.57E-22
LOC114293145	9.60472	7.724924	8.291726	2.973899	3.247954	3.191384	1.335475	1.771251	83.94769	1.72E-14	1.17E-13
LOC114293186	0.177256	0.179631	0.116855	0.741105	0.634262	0.511603	-2.05477	-0.49849	39.3318	1.25E-08	5.04E-08
LOC114293203	1.385017	1.138033	1.521776	0.136093	0.053577	0.102896	3.651112	-0.5301	64.09512	4.2E-12	2.33E-11
LOC114293218	2.790718	2.294969	2.962921	1.482008	0.942483	1.335983	1.008958	0.983018	28.58475	6.85E-07	2.28E-06
LOC114293284	0.015549	0	0.017084	1.611097	1.446562	1.688246	-6.96627	0.643966	331.223	9.18E-32	2.47E-30
LOC114293299	512.9159	489.9498	493.2235	1633.034	1633.009	1643.509	-1.81986	9.987305	8511.385	1.38E-47	1.18E-45
LOC114293339	0.537139	0.584657	0.590177	0.911328	1.076323	1.378055	-1.10143	0.570824	28.04949	8.45E-07	2.78E-06
LOC114293368	0.456568	0.349584	0.521716	1.593521	1.411521	1.204813	-1.74539	0.64408	68.63549	1.12E-12	6.53E-12
LOC114293409	0.707119	0.74825	0.711416	0.015487	0.012194	0.046837	4.630219	0.527172	180.2046	4.08E-23	5.71E-22
LOC114293455	1.851954	1.661168	1.965842	4.450656	4.357908	5.220074	-1.46394	1.672433	103.8364	1.28E-16	1.04E-15
LOC114293461	1.086904	1.083179	1.262861	0.522337	0.500678	0.532288	1.032652	1.065412	32.83364	1.35E-07	4.85E-07
LOC114293482	0.039859	0.044881	0.109487	2.753356	2.367575	2.383032	-5.31347	0.972326	361.5276	4.1E-33	1.22E-31
LOC114293506	2.134244	2.918115	2.847479	1.385598	1.527362	0.698406	1.034225	0.293945	17.24445	7.58E-05	0.000194
LOC114293518	1.612032	1.802179	1.923025	0.293039	0.280171	0.205732	2.677134	1.464162	204.2378	8.88E-25	1.41E-23
LOC114293530	12.58292	12.39356	12.44382	3.380321	3.295254	3.395508	1.788151	4.730726	1036.308	7.5E-51	8.52E-49
LOC114293528	3.004425	3.081522	2.647406	0.757041	0.425763	0.531492	2.270509	0.899391	107.3642	5.68E-17	4.74E-16
LOC114293565	6.485251	3.319263	5.974001	0	0	0	8.96837	0.416646	143.9807	3.17E-11	1.63E-10
LOC114293586	0.41385	0.611618	0.568393	1.128459	1.14766	1.173142	-1.22627	0.045173	23.6367	4.97E-06	1.49E-05
LOC114293608	0.593826	0.512155	0.347054	0.321544	0.108503	0.156285	1.276758	-0.15157	17.3804	7.58E-05	0.000194

LOC114293619	6.387744	5.857507	6.537281	1.495162	1.299551	1.424069	2.054281	3.424492	605.2986	1.69E-41	9.53E-40
LOC114293657	2.085878	1.509875	1.841658	0.406259	0.746375	0.409547	1.671474	0.067	35.14292	5.7E-08	2.14E-07
LOC114293697	2.326196	2.29051	2.363395	0.955418	0.459717	0.695608	1.652982	2.24525	147.9801	1.16E-19	1.21E-18
LOC114293758	0.810161	0.68418	0.791251	1.595455	1.674944	1.608367	-1.19401	0.725625	37.54625	2.38E-08	9.29E-08
LOC114293743	1.343337	0.96256	1.039895	3.884915	4.719371	3.734525	-1.97791	1.399475	142.3981	3.59E-20	3.9E-19
LOC114293833	0.409765	0.390411	0.640706	0.71623	1.150429	0.931415	-1.08589	0.498223	24.59217	3.44E-06	1.06E-05
LOC114293834	4.39074	4.065037	4.306125	8.602372	8.937855	8.761392	-1.14869	3.613735	273.7648	6.55E-29	1.43E-27
LOC114293832	0.571679	0.508191	0.396712	0.054695	0.107663	0.206767	1.811555	-0.4722	25.80873	2.06E-06	6.49E-06
LOC114293920	2.62461	2.007377	2.28525	5.086142	4.004658	4.185786	-1.02637	2.058309	64.60781	3.61E-12	2.01E-11
LOC114293946	0.467488	0.460592	0.470844	1.239305	0.920028	1.445659	-1.46538	0.420062	42.70812	3.84E-09	1.62E-08
LOC114293959	27.23092	24.67427	26.87665	63.23556	60.60372	63.49355	-1.35456	5.93658	1377.706	5.56E-56	9.45E-54
LOC114294014	0.130335	0.190784	0.186166	1.63479	1.492381	1.549497	-3.30969	2.02533	469.5041	2.8E-37	1.15E-35
LOC114294036	1.39249	1.358882	1.366788	0.337506	0.478334	0.331732	1.721286	0.610261	57.57194	3.01E-11	1.54E-10
LOC114294037	0.285287	0.261002	0.352639	3.597799	3.062472	3.504385	-3.58851	1.664063	416.1673	2.47E-35	8.7E-34
LOC114294044	0.189519	0.128039	0.166586	2.687188	1.953048	2.917315	-4.0061	0.120575	156.018	2.77E-21	3.3E-20
LOC114294042	1.14368	0.895848	1.038068	2.982922	1.921625	2.255297	-1.2855	0.108795	26.59974	1.5E-06	4.81E-06
LOC114294050	22.6597	23.04594	22.12149	48.01895	46.02241	46.63006	-1.15729	6.798724	1278.646	2.05E-39	9.93E-38
LOC114294098	0.267062	0.476126	0.317885	0.768662	1.465267	1.529374	-1.97594	0.192916	57.21131	5.76E-11	2.88E-10
LOC114294112	1.008783	0.936814	0.788444	0.3781	0.364687	0.400218	1.152367	1.933178	70.10136	7.39E-13	4.37E-12
LOC114294110	0.351877	0.288155	0.456917	1.017625	0.801244	0.923275	-1.41002	0.322928	37.22988	2.66E-08	1.04E-07
LOC114294116	523.2576	517.1729	515.8712	1539.667	1482.197	1513.628	-1.64836	11.22824	11994.54	1.1E-36	4.34E-35
LOC114294114	4.413491	3.88427	4.905025	0.276653	0.217827	0.557784	3.482478	0.610308	147.8202	1.27E-20	1.43E-19
LOC114294156	2.386666	1.97844	1.994901	0.133084	0.104786	0.160993	3.86735	1.277187	273.2049	7.02E-29	1.53E-27
LOC114294162	1.016307	1.182504	1.209713	0.030791	0.048488	0.04656	4.539047	0.222605	141.7211	4.09E-20	4.43E-19
LOC114294151	0.484461	0.685774	0.517089	0	0	0.019024	5.844857	-0.44446	92.48739	1.96E-15	1.45E-14
LOC114294197	3.92313	4.200629	3.8345	1.225051	1.067911	1.15778	1.689836	1.720382	123.8806	1.51E-18	1.44E-17

LOC114294235	0.072263	0.016273	0.031759	0.604258	0.517144	0.417134	-3.64561	-0.72532	73.83555	2.59E-13	1.6E-12
LOC114294264	0.494262	0.630743	0.343942	0.958378	1.155473	1.38127	-1.37355	0.651759	43.15855	3.37E-09	1.43E-08
LOC114294280	2.017189	1.851306	1.502881	0	0	0	9.651152	1.049447	333.1263	3.07E-31	8E-30
LOC114294302	2.786065	2.187716	2.215317	0	0.052469	0	6.542441	0.158775	158.9206	1.63E-21	1.98E-20
LOC114294304	3.106271	3.288393	2.625377	0	0	0	9.453648	0.868785	295.4859	9.9E-30	2.3E-28
LOC114294351	1.066914	1.26295	1.006944	0.596757	0.430711	0.488789	1.045696	0.902121	29.05093	5.71E-07	1.92E-06
LOC114294338	26.46222	22.92031	25.92001	48.92954	46.79766	48.70938	-1.04459	5.941591	783.336	1.29E-43	8.4E-42
LOC114294353	4.288374	3.793979	4.375258	0.696027	0.657634	0.684118	2.50019	1.003671	137.0649	1.02E-19	1.07E-18
LOC114294364	3.878228	4.444166	3.921786	21.39933	21.51578	22.17001	-2.51839	3.532486	1012.916	1.91E-50	2.08E-48
LOC114294395	0.717464	1.367153	0.848947	2.106819	2.132793	2.806542	-1.39092	-0.05724	26.73678	1.42E-06	4.56E-06
LOC114294413	1.03753	1.092066	1.016067	0.615015	0.548807	0.309996	1.015607	0.159197	15.74861	0.000146	0.000359
LOC114294432	0.366206	0.250353	0.301774	0.97477	0.973416	1.150429	-1.85012	0.668495	78.91606	6.49E-14	4.22E-13
LOC114294449	17.14293	17.87426	18.85149	8.780094	7.511603	8.322724	1.027892	4.760674	359.2929	5.11E-33	1.51E-31
LOC114294482	53.09541	50.31337	50.31647	129.2857	128.7236	127.3721	-1.43138	7.734489	2312.779	9.8E-42	5.61E-40
LOC114294487	3.608578	3.895694	4.046646	11.69935	11.02206	11.96447	-1.6924	2.667838	261.5789	3.02E-28	6.26E-27
LOC114294498	1.512075	1.337751	1.157032	0.049084	0.231881	0.074221	3.298791	-0.1081	78.35335	7.55E-14	4.87E-13
LOC114294501	2.192624	2.582141	2.674352	0.47537	0.54704	0.38706	2.289339	1.207236	135.7503	1.33E-19	1.38E-18
LOC114294522	0.165859	0.178267	0.190519	1.438983	1.294865	1.440267	-3.06258	1.675061	348.9688	1.45E-32	4.12E-31
LOC114294536	1.820693	1.957957	2.09038	0.371876	0.292802	0.39363	2.356465	0.851564	111.9166	2.03E-17	1.76E-16
LOC114294588	1.766197	1.461111	1.980199	3.996908	4.488389	4.409062	-1.41541	1.369219	79.48797	5.57E-14	3.65E-13
LOC114294575	0.851386	0.675776	0.828106	0.279088	0.099884	0.249375	1.825682	0.231416	45.27809	1.6E-09	6.99E-09
LOC114294576	4.562491	4.045561	4.368825	0.91546	0.677769	1.146699	2.134059	3.382126	522.9701	1.05E-30	2.64E-29
LOC114294578	1.753049	1.227037	1.483654	0	0	0	8.612068	0.098686	160.7335	1.76E-21	2.13E-20
LOC114294629	5.281429	5.484343	5.190396	1.546779	1.091894	1.371106	1.898352	1.804626	156.531	2.52E-21	3.01E-20
LOC114294656	1.787207	1.764966	1.851009	3.195564	3.103166	3.80531	-1.0133	2.434524	82.58722	2.45E-14	1.65E-13
LOC114294692	9.461839	7.487758	8.934816	0.69076	0.543882	0.887847	3.487531	1.916253	375.8921	1.01E-33	3.12E-32

LOC114294675	0.09615	0.102852	0.068669	0.201002	0.206429	0.165186	-1.18649	-0.10429	19.67435	2.61E-05	7.16E-05
LOC114294691	4.982703	4.167809	5.683264	10.00656	12.08993	12.32681	-1.32823	2.408929	130.6327	3.73E-19	3.73E-18
LOC114294681	1.284326	0.813458	0.846685	0.175101	0.091912	0.242712	2.415326	0.253606	67.6344	2.19E-12	1.24E-11
LOC114294717	3.666208	3.068512	2.455704	0.071278	0	0.026946	6.450694	1.315012	345.4259	3.19E-29	7.13E-28
LOC114294715	16.79942	15.69274	16.38892	66.34901	70.7868	71.90759	-2.20251	5.136103	2278.621	2.99E-65	1.07E-62
LOC114294750	1.90546	1.47123	1.585161	0.692757	0.662337	0.598597	1.248312	0.455505	29.40969	4.97E-07	1.68E-06
LOC114294757	0.806187	0.78673	0.64958	0.0977	0	0.024623	4.16377	-0.36622	78.46472	7.33E-14	4.73E-13
LOC114294776	1.936887	1.467934	1.821195	4.367288	5.038031	5.605677	-1.63182	2.475951	198.4359	2.17E-24	3.35E-23
LOC114294789	1.041698	0.917034	0.874026	1.96248	1.5723	1.822176	-1.00956	1.155672	36.09154	4.03E-08	1.54E-07
LOC114294814	3.466544	3.670554	3.896195	8.989837	9.581873	9.550689	-1.46022	3.652655	432.8463	5.79E-36	2.16E-34
LOC114294804	16.39376	14.94218	15.50018	3.414303	4.850642	3.226814	1.913869	3.829094	414.1791	1.42E-15	1.06E-14
LOC114294808	1.388834	1.563824	1.572211	4.590277	3.132332	4.338212	-1.5077	1.017673	67.91238	1.38E-12	7.97E-12
LOC114294820	1.635638	1.496402	1.399699	3.144835	3.072661	3.469301	-1.20092	3.205024	211.9697	2.77E-25	4.63E-24
LOC114294823	1.262461	1.025364	1.227941	0.413839	0.118488	0.48356	1.69492	0.262398	39.4877	1.4E-08	5.62E-08
LOC114294829	16.62668	18.67877	16.72168	4.288122	4.46546	4.18338	1.899354	3.097291	394.2818	1.78E-34	5.9E-33
LOC114294870	49.31741	47.47836	45.88062	20.25921	19.12647	20.75651	1.141466	5.825749	900.6246	2.31E-48	2.09E-46
LOC114294901	0.516778	0.511662	0.587385	0.226754	0.153033	0.244917	1.264487	0.440113	29.58081	4.65E-07	1.58E-06
LOC114294900	0.409631	0.533313	0.506339	0.162889	0.09161	0.105562	1.919695	-0.30747	33.12605	1.21E-07	4.37E-07
LOC114294933	2.266678	2.802498	2.343994	0.161585	0.127227	0.122169	4.019164	0.000329	107.4121	5.62E-17	4.69E-16
LOC114294956	31.82351	31.12965	33.21403	68.80493	63.85037	64.55553	-1.14042	5.549191	817.2498	1.17E-46	9.29E-45
LOC114295033	1.420084	1.189508	1.350996	0.125925	0.123936	0.095208	3.402555	0.448006	131.2607	3.28E-19	3.3E-18
LOC114295114	3.742184	3.732126	3.759262	1.241748	1.377297	1.44501	1.351968	3.685669	358.7803	5.38E-33	1.58E-31
LOC114295127	0.74634	0.840377	0.492021	0.135671	0.427292	0.205154	1.277981	-0.20728	16.69793	0.000103	0.00026
LOC114295146	6.232969	6.664869	6.232557	14.14265	13.60643	14.72961	-1.25754	3.808354	369.1205	1.94E-33	5.89E-32
LOC114295139	21.56103	19.33764	21.37492	41.39779	41.64257	42.76424	-1.11982	5.051441	605.6169	1.66E-41	9.35E-40
LOC114295200	0.456091	0.602102	0.604808	1.257934	1.598234	1.513091	-1.51629	0.987697	68.30688	1.23E-12	7.14E-12

LOC114295183	0	0	0	0.320698	0.285088	0.312865	-8.483	-0.27149	179.2251	7.51E-23	1.03E-21
LOC114295184	2.180713	2.053672	2.483169	0.648679	0.283749	0.762916	1.877755	0.223461	47.48764	7.61E-10	3.44E-09
LOC114295192	17.28825	14.005	16.09986	32.44519	33.16276	33.85674	-1.17494	5.875906	585.2624	7.58E-17	6.26E-16
LOC114295264	3.670674	3.996613	3.757734	0.073487	0.069434	0.133347	5.214955	2.85534	1045.461	5.23E-51	6.11E-49
LOC114295242	2.475833	2.45765	2.684507	4.619059	5.12895	4.880308	-1.05076	1.808108	61.24296	9.82E-12	5.27E-11
LOC114295228	0.929377	0.956595	0.82694	0.476775	0.359075	0.344802	1.11604	1.808309	60.67697	1.16E-11	6.21E-11
LOC114295251	1.237788	1.007907	1.044979	0.038137	0	0.038446	5.308578	1.335358	336.7384	3.45E-31	8.94E-30
LOC114295247	1.95796	1.72071	2.413646	6.076721	4.989661	5.185137	-1.50638	1.262549	81.33245	3.41E-14	2.28E-13
LOC114295260	0.675199	0.74801	0.813663	1.484748	1.589895	1.631473	-1.1857	1.70968	72.04035	4.28E-13	2.59E-12
LOC114295267	0.790214	0.83046	0.694593	0	0	0	8.504707	0.007754	151.7505	8.85E-21	1.01E-19
LOC114295269	6.331076	6.740351	6.666375	0	0.087131	0.055778	6.81312	2.310019	777.6969	8.56E-46	6.4E-44
LOC114295266	5.094308	4.550843	4.791809	0.034172	0.053811	0.051672	6.474618	1.986531	639.1523	2.02E-42	1.21E-40
LOC114295285	0.660279	0.613365	0.689202	0.015003	0	0	6.813803	0.406287	197.432	2.54E-24	3.89E-23
LOC114295289	0.870281	1.156867	0.996057	0.043945	0.034601	0.049838	4.388207	0.512936	169.6339	2.45E-22	3.19E-21
LOC114295302	0.315534	0.322991	0.378208	1.199313	1.27275	1.261585	-1.98121	0.772448	96.97178	6.54E-16	5.02E-15
LOC114295330	6.23176	5.952411	6.130198	1.815421	1.982103	1.811812	1.598671	3.171051	327.0701	1.43E-31	3.8E-30
LOC114295333	4.707024	5.348136	4.109319	0.051701	0.081415	0.117269	5.633143	2.358475	709.916	3.86E-43	2.43E-41
LOC114295355	1.733843	1.681372	1.796186	0.321614	0.354519	0.398787	2.156367	2.176451	247.566	1.87E-27	3.62E-26
LOC114295359	4.5833	4.583086	3.720526	9.388618	8.763037	10.10706	-1.23655	2.618985	136.0698	1.24E-19	1.3E-18
LOC114295394	0.670875	0.650487	0.491413	0.203255	0.266727	0.179288	1.364898	-0.39634	17.65136	6.28E-05	0.000163
LOC114295424	0.195672	0.264391	0.358322	1.351648	1.120255	1.129513	-2.23419	0.79579	114.2603	1.21E-17	1.06E-16
LOC114295441	60.99246	59.92495	65.24991	23.3145	22.21389	25.07006	1.292516	5.618148	1003.012	2.86E-50	3.03E-48
LOC114295451	1.686285	1.643459	1.751589	0	0	0.04869	6.374907	1.892027	525.6221	4.41E-36	1.67E-34
LOC114295536	2.227338	1.886165	2.427044	0.903474	0.974834	0.936086	1.106409	1.399008	46.61012	1.02E-09	4.55E-09
LOC114295488	1.18349	1.605963	1.500404	4.192422	3.431274	3.002934	-1.40083	1.332261	72.13027	4.17E-13	2.53E-12
LOC114295518	0.118086	0.193404	0.153337	0.800096	0.645334	0.91477	-2.45075	0.440083	103.5261	1.38E-16	1.12E-15

LOC114295542	0.032861	0.111004	0.144423	31.7792	28.64346	31.47936	-8.37343	3.859798	3471.327	3.8E-73	2.24E-70
LOC114295599	0.269244	0.262199	0.31182	1.005331	0.99987	0.870115	-1.86679	1.388913	132.2664	2.67E-19	2.71E-18
LOC114295638	17.43599	17.50791	16.99396	2.759374	3.141518	3.439541	2.356144	3.88917	1008.488	2.29E-50	2.44E-48
LOC114295687	7.07651	7.004953	6.066409	0.848165	0.723468	0.534393	3.169717	1.568468	270.9914	9.23E-29	1.99E-27
LOC114295689	2.98196	3.26932	3.578178	0.142649	0.056159	0.323558	4.044229	0.528156	157.7063	2.03E-21	2.45E-20
LOC114295713	1.321731	1.410521	1.257164	5.934955	5.421226	6.114033	-2.23485	3.479436	801.2394	2.59E-46	2.03E-44
LOC114295732	0.503706	0.934166	0.765054	0.215447	0.148431	0.142531	2.0189	0.026093	43.51102	3.17E-09	1.35E-08
LOC114295718	17.9893	18.91403	18.39385	8.046383	8.041151	8.423483	1.064701	2.827163	117.846	5.5E-18	5E-17
LOC114295723	1.170757	0.993773	1.28636	0.425645	0.412479	0.495104	1.256343	0.515535	31.20124	2.5E-07	8.71E-07
LOC114295715	0.466419	0.477442	0.714358	1.515882	1.618379	1.534625	-1.60259	1.202891	86.43521	9.03E-15	6.31E-14
LOC114295785	3.532892	3.276023	2.663936	0	0	0	8.147421	-0.30902	116.1553	1.05E-17	9.32E-17
LOC114295771	3.673994	3.985095	3.55532	8.516829	9.214534	8.801943	-1.35079	2.517465	152.1082	5.69E-21	6.59E-20
LOC114295813	1.316694	0.593038	1.322703	0.478703	0.592294	0.413638	1.021358	-0.47085	9.349997	0.002958	0.005895
LOC114295824	0.627781	0.633754	0.618414	3.016949	2.695613	3.163681	-2.34207	2.933173	549.7137	7.01E-40	3.49E-38
LOC114295859	0.375729	0.42307	0.288981	1.57092	1.613334	1.755768	-2.27576	-0.24023	57.89054	2.73E-11	1.41E-10
LOC114295860	92.32317	86.03873	86.50571	260.8099	261.9578	263.2091	-1.67462	7.341462	2861.543	1.35E-63	4.16E-61
LOC114295855	7.512071	8.074822	6.927597	0.25814	0.528452	0.195172	4.39054	3.045142	863.3995	3.11E-31	8.1E-30
LOC114295876	24.66937	25.77533	23.33966	3.702757	4.581385	5.3769	2.305408	3.748147	824.0262	1.49E-43	9.61E-42
LOC114295899	4.059123	4.300382	4.481898	1.999172	1.516841	1.923744	1.139425	2.21744	83.3673	2E-14	1.36E-13
LOC114295918	2.941602	2.88811	2.325508	1.108588	1.0269	0.986082	1.28709	1.695011	73.41616	2.91E-13	1.79E-12
LOC114295961	0.838335	1.206175	1.484017	3.386541	2.533126	2.752496	-1.39251	0.442042	38.55675	1.65E-08	6.57E-08
LOC114295982	8.887786	9.050722	9.551398	17.95872	17.68778	18.00672	-1.07058	4.543498	377.1163	8.97E-34	2.79E-32
LOC114296035	0.043587	0.03272	0.063855	0.977223	0.395114	0.579098	-3.78692	-0.44289	88.34644	1.34E-14	9.25E-14
LOC114296048	0.270145	0.304183	0.215869	1.071439	0.984217	1.046356	-2.05947	-0.25677	48.51546	5.41E-10	2.48E-09
LOC114296059	0.650675	0.732659	0.730811	0.289132	0.310435	0.357715	1.017022	0.213562	17.06303	8.14E-05	0.000207
LOC114296082	0.176013	0.039638	0.193393	1.599804	1.108476	1.257946	-3.28811	-0.61625	70.71328	6.21E-13	3.7E-12

LOC114296089	7.615854	7.677646	7.552217	22.39072	24.12278	24.18421	-1.73782	4.121945	753.2611	3.06E-45	2.19E-43
LOC114296107	1.397319	1.436563	1.579794	3.902146	3.999942	4.035781	-1.54262	2.047289	146.0362	1.78E-20	1.98E-19
LOC114296103	2.607014	3.036716	2.607624	0	0	0	9.884338	1.271084	402.7164	2.04E-34	6.71E-33
LOC114296179	0.479034	0.505144	0.668361	0	0.010883	0.010451	5.855323	0.29438	167.2471	3.71E-22	4.76E-21
LOC114296171	7.744452	6.949962	6.685763	16.93598	16.16847	17.44651	-1.34346	3.655868	369.046	1.96E-33	5.92E-32
LOC114296210	35.09002	35.59504	37.03867	15.35812	15.09543	14.80506	1.146015	5.75284	897.5409	2.65E-48	2.38E-46
LOC114296197	2.334589	2.580061	2.3276	0.07859	0	0.05942	5.482619	-0.03393	128.4	5.89E-19	5.82E-18
LOC114296229	133.8131	125.9804	133.5229	8.70402	8.452346	9.344802	3.783625	6.004342	7842.281	1.2E-88	4.79E-85
LOC114296228	0.277408	0.429497	0.2286	26.97892	27.04919	26.06934	-6.50858	3.594951	2691.317	2.32E-68	9.84E-66
LOC114296213	139.1779	138.4195	136.4242	406.3771	394.3729	400.2041	-1.64156	7.872639	3194.57	8.5E-52	1.06E-49
LOC114296214	446.5883	427.9381	436.482	1110.309	1104.449	1119.588	-1.45219	9.379015	4439.171	2.55E-33	7.68E-32
LOC114296221	51.78607	46.05724	50.05508	209.9001	208.2907	211.5644	-2.19552	6.734172	4095.639	2.84E-76	2.22E-73
LOC114296219	184.2577	174.4085	182.0415	1193.993	1165.354	1194.666	-2.82198	9.240992	14342.13	3.2E-100	1E-95
LOC114296245	6.897267	6.369319	7.716943	2.637567	2.498098	2.745617	1.305572	2.790573	161.0602	1.11E-21	1.37E-20
LOC114296289	0.806492	0.825553	1.127798	4.531456	4.82718	4.030702	-2.3707	0.191137	84.17106	1.62E-14	1.11E-13
LOC114296308	0.216476	0.146251	0.190281	3.305527	2.664629	3.510793	-4.14229	0.245437	179.4682	4.61E-23	6.41E-22
LOC114296306	2.291367	2.027848	2.111268	4.048376	4.338297	4.099556	-1.06201	3.583183	225.6484	3.8E-26	6.72E-25
LOC114296316	0.532097	0.473005	0.553867	0.814532	0.962003	1.462628	-1.18229	-0.11815	19.08987	3.36E-05	9.05E-05
LOC114296331	8.169364	8.270748	7.716229	0.260534	0.410272	0.246227	4.578192	1.845574	475.0669	1.8E-37	7.56E-36
LOC114296361	1.026695	1.156056	1.184476	0.093317	0.110212	0.070554	3.461842	-0.27832	75.23429	1.76E-13	1.1E-12
LOC114296388	0.484721	0.242575	0.502995	1.027992	1.002122	0.777234	-1.26226	-0.31449	18.46477	4.41E-05	0.000117
LOC114296400	3.206424	3.183386	3.447268	1.441508	1.381733	1.468969	1.08765	1.101894	37.38643	2.52E-08	9.82E-08
LOC114296411	7.0499	6.829599	6.973349	2.748453	2.717631	3.068707	1.17844	3.071441	174.4088	1.08E-22	1.45E-21
LOC114296412	2.250986	1.817264	2.029934	10.19113	8.814407	9.748248	-2.33138	3.071865	605.1396	1.71E-41	9.61E-40
LOC114296420	0.973731	1.135576	1.184508	3.603354	3.534006	3.417433	-1.78568	2.027031	184.9236	1.87E-23	2.7E-22
LOC114296451	0.480215	0.353548	0.527632	0.06715	0.039654	0.025385	3.286969	-0.11371	78.46291	7.33E-14	4.74E-13

LOC114296445	2.671935	2.484875	2.750922	1.043377	0.835684	1.183299	1.261888	2.488768	117.3153	6.17E-18	5.59E-17
LOC114296447	0.017509	0.009858	0.019238	0.50926	0.513748	0.589587	-5.09372	-0.03665	175.4818	9.01E-23	1.22E-21
LOC114296487	401.7136	385.2291	424.825	777.7943	784.1887	829.0741	-1.08616	8.848108	1830.812	4.55E-21	5.32E-20
LOC114296482	1.603233	2.215518	2.442133	4.769003	4.745843	4.306807	-1.25158	1.499761	66.26838	2.22E-12	1.26E-11
LOC114296513	10.25341	8.468446	10.79758	23.60619	22.53371	25.84159	-1.39089	4.368142	491.6847	1.53E-33	4.68E-32
LOC114296616	2.113768	2.232495	2.358493	0.148932	0.070359	0.180165	3.942242	1.190917	259.4968	3.94E-28	8.05E-27
LOC114296731	5.533898	6.59502	6.035943	12.70305	11.44732	12.54677	-1.12022	2.792206	131.103	3.39E-19	3.41E-18
LOC114296765	14.7274	15.93346	15.17492	5.860184	5.828352	4.943737	1.362004	3.207406	245.666	2.41E-27	4.64E-26
LOC114296809	0.9478	1.324825	1.202981	0.445585	0.537953	0.494111	1.10674	0.691315	27.49964	1.05E-06	3.42E-06
LOC114296810	1.665551	1.556189	2.154481	0.257674	0.287419	0.19482	2.753749	1.42919	198.0479	2.31E-24	3.54E-23
LOC114296883	0.460757	0.622573	0.742504	1.619309	1.36292	1.435398	-1.37378	0.093871	30.02643	3.92E-07	1.34E-06
LOC114296902	2.320264	2.241789	2.631608	0.897989	1.028431	1.110996	1.123254	1.811324	63.32532	5.27E-12	2.9E-11
LOC114296948	10.01027	7.629969	9.588614	20.80978	20.20562	22.57742	-1.32604	3.174328	240.6308	4.74E-27	8.93E-26
LOC114296964	15.09929	15.6338	14.89782	4.929563	5.371819	5.456464	1.421421	3.819635	430.9401	6.82E-36	2.53E-34
LOC114297010	35.92086	33.70976	34.25638	79.29855	79.75122	79.69112	-1.30576	6.327056	1460.714	4.78E-57	8.99E-55
LOC114297044	0.531199	0.407815	0.371414	25.58908	21.53034	23.32938	-5.82622	3.941878	3090.772	2.15E-70	1.01E-67
LOC114297046	0.207103	0	0.056888	15.34141	14.74713	14.65908	-7.31277	2.155995	900.3084	2.34E-48	2.12E-46
LOC114297066	0.80051	0.836989	1.06803	2.910369	3.35545	2.671965	-1.82399	0.092762	50.60808	2.73E-10	1.29E-09
LOC114297081	0.588424	0.557948	0.493401	0.197041	0.26596	0.191541	1.205601	-0.25285	16.09018	0.000125	0.000311
LOC114297087	1.130006	0.848256	1.053466	2.24089	2.15649	1.929584	-1.14906	0.510592	29.50372	4.79E-07	1.62E-06
LOC114297089	131.5253	122.5568	127.008	48.97779	50.87785	49.67592	1.243625	6.995815	1509.71	1.12E-41	6.36E-40
LOC114297101	0.679972	0.483566	0.747113	0.130112	0.128058	0.245935	1.772498	-0.35827	27.70512	9.68E-07	3.17E-06
LOC114297107	2.752076	2.706574	3.100373	46.16492	42.93036	47.16096	-4.09607	4.425326	3191.845	1.45E-71	7.33E-69
LOC114297125	18.40701	16.40495	19.3656	37.85318	33.56801	37.31298	-1.10591	3.544898	234.0863	1.16E-26	2.14E-25
LOC114297140	0.917413	0.821107	0.801231	0	0	0.032331	5.681402	-0.58891	83.36323	2E-14	1.36E-13
LOC114297131	5.524254	5.790801	5.722886	2.725715	2.786212	2.295837	1.02486	3.246819	151.1319	6.82E-21	7.85E-20

LOC114297164	0.330663	0.275198	0.221147	0.81016	0.802511	0.711334	-1.57411	0.197446	42.02178	4.87E-09	2.04E-08
LOC114297214	1.083509	1.037505	1.134252	2.683033	2.698666	2.884542	-1.45132	2.786656	218.9283	9.97E-26	1.72E-24
LOC114297222	3.308499	3.663085	3.50812	1.407593	1.324192	1.306111	1.273003	3.849747	350.6747	1.22E-32	3.49E-31
LOC114297250	1.393456	0.980643	1.377944	6.205983	6.481936	6.942476	-2.48602	1.781962	271.9328	8.21E-29	1.78E-27
LOC114297304	0.26052	0.32268	0.267161	0.994516	1.441803	1.312882	-2.26338	1.446106	181.2072	3.45E-23	4.86E-22
LOC114297312	3.299287	3.281574	3.504229	29.1879	26.60196	32.49753	-3.23504	4.20456	1984.264	9.21E-62	2.4E-59
LOC114297369	0.118948	0.014882	0.043564	0.504528	0.453998	0.526776	-3.07405	-0.58343	65.22805	3.01E-12	1.69E-11
LOC114297371	0.189169	0.231798	0.195621	0.070798	0.103524	0.076469	1.165456	-0.18876	15.8053	0.000142	0.000351
LOC114297417	1.161291	1.251248	1.209961	9.081021	7.923848	9.136168	-2.95478	3.935075	1600.715	1.01E-58	2.14E-56
LOC114297455	0.062388	0.070249	0.068548	0.476324	0.553633	0.377284	-2.87376	-0.55091	63.93711	4.4E-12	2.43E-11
LOC114297460	20.71865	19.75044	20.88662	4.578401	3.604879	3.832475	2.260546	3.605115	784.3666	6.08E-46	4.62E-44
LOC114297517	14.67244	14.62833	15.57396	35.42416	36.83262	36.79473	-1.38767	5.242072	1056.46	3.4E-51	4.03E-49
LOC114297530	0.48229	0.434446	0.339144	1.718366	1.491043	1.962064	-2.13567	0.778602	107.4575	5.56E-17	4.65E-16
LOC114297533	2.553914	2.571395	2.850634	0.049128	0.038681	0.018572	6.092021	1.629616	483.4824	9.28E-38	3.96E-36
LOC114297534	0.121615	0.152154	0.178165	0.687787	0.889673	0.66859	-2.41686	0.058279	77.80465	8.76E-14	5.62E-13
LOC114297532	7.649033	7.397279	7.929875	0.784936	0.441451	0.678247	3.500767	2.040622	419.7639	1.8E-35	6.42E-34
LOC114297529	1.529331	1.466909	1.161717	2.265227	2.972606	3.010146	-1.10509	1.755939	61.52867	9.01E-12	4.85E-11
LOC114297548	4.329524	4.436281	4.757029	14.95357	12.76543	13.26961	-1.69795	2.685503	262.2703	2.76E-28	5.74E-27
LOC114297550	0.833184	0.871152	0.871861	0.036061	0.056787	0	4.595548	-0.33805	89.46335	4.18E-15	3.02E-14
LOC114297585	0.145925	0.191696	0.320668	1.547381	1.462027	1.571046	-2.89504	0.153283	108.6352	4.25E-17	3.58E-16
LOC114297575	4.543688	4.014782	6.517777	10.72603	9.303393	9.627468	-1.07614	2.852394	86.42196	2.22E-10	1.06E-09
LOC114297564	7.097707	6.43857	7.040632	2.606872	3.143799	3.143583	1.092741	3.030949	142.4984	3.52E-20	3.83E-19
LOC114297590	0.862481	1.111318	1.143034	0.226286	0.267255	0.207749	2.032805	1.17163	108.4919	4.39E-17	3.7E-16
LOC114297579	4.173117	3.632294	3.74128	8.982174	9.380825	9.183887	-1.35759	2.963209	219.984	8.55E-26	1.48E-24
LOC114297605	6.059199	6.404398	6.376911	1.983462	1.694623	2.201592	1.570894	2.431376	170.6946	2.04E-22	2.68E-21
LOC114297617	1.679518	1.76261	1.863273	0.177848	0.233386	0.246521	2.8685	0.959375	158.5635	1.74E-21	2.11E-20

LOC114297627	0.974348	0.93656	0.887779	0.431998	0.374154	0.293958	1.257437	-0.12489	19.19074	3.22E-05	8.69E-05
LOC114297631	0.485444	0.394773	0.316076	0.212442	0.193003	0.13591	1.064334	0.087419	16.1075	0.000124	0.000309
LOC114297642	2.701623	2.444017	2.638565	0.923449	0.561844	0.253888	2.125144	1.113809	101.358	1.79E-15	1.33E-14
LOC114297641	25.95126	26.25411	26.79685	1.837978	1.754136	1.768632	3.776822	4.755375	3224.815	9.3E-72	4.78E-69
LOC114297661	0.764633	0.743569	0.534631	0.189541	0.174111	0.047769	2.242772	-0.29921	40.34675	8.76E-09	3.58E-08
LOC114297669	5.596859	4.638309	3.886486	20.83654	20.76383	20.06157	-2.22177	3.117086	560.1847	6.52E-40	3.25E-38
LOC114297668	12.1197	11.86314	12.30454	3.616105	3.11083	2.531507	1.88287	2.640241	266.1097	1.7E-28	3.59E-27
LOC114297703	1.690658	1.381099	1.384091	0.060261	0.094895	0.091123	3.968711	-0.27036	86.22499	9.53E-15	6.64E-14
LOC114297725	1.112563	1.295209	1.222419	3.599259	3.184804	3.395135	-1.58955	1.90549	139.7601	6E-20	6.41E-19
LOC114297795	2.133204	1.957172	1.909796	0	0.203549	0.217176	3.596959	1.106662	191.5091	1.68E-20	1.87E-19
LOC114297819	5.770242	7.03872	7.396674	1.456843	1.605897	3.52472	1.448867	-0.08997	24.08216	4.14E-06	1.26E-05
LOC114297839	3.468075	3.857854	3.695398	1.066596	1.154727	1.008026	1.662425	2.776608	244.7184	2.73E-27	5.24E-26
LOC114297865	0.672055	0.654471	0.578758	1.782986	1.507853	1.847344	-1.52801	0.998105	71.06104	5.63E-13	3.37E-12
LOC114297900	0.02071	0.01166	0.056888	0.621186	0.489101	0.569285	-4.2613	-0.18735	130.6495	3.71E-19	3.72E-18
LOC114297921	1.389132	1.467904	1.314964	2.564044	2.752966	2.526049	-1.01643	1.53082	47.95931	6.5E-10	2.96E-09
LOC114297929	3.719821	3.708404	3.691334	1.002268	1.252122	1.293286	1.525536	3.320767	333.8343	6.96E-32	1.9E-30
LOC114297983	0.716152	0.744356	1.028979	0.03338	0.052565	0.025238	4.272232	-0.27598	88.85907	4.87E-15	3.49E-14
LOC114297975	0.89997	0.786231	0.818346	0.282066	0.088836	0.255914	1.916782	0.157092	46.29395	1.13E-09	5.04E-09
LOC114297997	10.23325	10.54342	11.11038	3.308696	3.155134	3.446656	1.577798	3.36988	380.2076	6.67E-34	2.1E-32
LOC114298049	61.43936	56.67528	59.28969	26.46706	25.64659	28.00225	1.041221	6.334087	898.5116	8.88E-38	3.79E-36
LOC114298063	1.17493	1.011681	0.911255	2.763992	3.16549	2.944677	-1.61397	-0.12126	35.18206	5.62E-08	2.11E-07
LOC114298090	3.61519	3.639132	3.642095	0.979175	0.904406	1.352516	1.631482	2.780809	228.5324	2.52E-26	4.53E-25
LOC114298110	1.35655	1.140512	1.510371	5.162087	4.375113	4.822689	-1.93719	2.376096	259.5462	3.91E-28	8.01E-27
LOC114298104	28.50803	29.05893	30.05905	56.64109	53.29484	54.37283	-1.01175	5.678274	696.9426	5.6E-43	3.49E-41
LOC114298109	0.069074	0.126388	0.104355	0.76908	0.45725	0.652679	-2.73207	0.367921	111.2763	2.34E-17	2.02E-16
LOC114298179	1.217199	1.089423	0.960176	0.397143	0.335032	0.493297	1.301429	0.625413	35.61068	4.8E-08	1.82E-07

LOC114298173	21.29613	20.99719	21.60246	6.386591	5.744194	6.983055	1.634828	4.926842	997.8163	3.54E-50	3.72E-48
LOC114298203	0	0	0	1.457659	1.419538	1.305109	-8.77723	0.015187	221.982	1.11E-25	1.91E-24
LOC114298214	1.618786	1.773486	1.646433	0.516955	0.457912	0.432194	1.743878	3.556192	489.2961	5.91E-38	2.57E-36
LOC114298235	6.62126	5.781835	6.755408	0.614095	0.773629	1.392897	2.622936	0.799987	121.5866	2.46E-18	2.31E-17
LOC114298263	66.68232	70.61806	70.78056	30.19526	32.34736	33.4031	1.009156	5.826875	687.2524	3.69E-41	2.02E-39
LOC114298309	2.403504	2.544768	2.798492	0.912955	0.82152	0.887474	1.453366	0.630033	44.21371	2.29E-09	9.89E-09
LOC114298297	0	0	0	1.82124	1.875209	1.271063	-8.14994	-0.58433	136.8875	1.48E-19	1.54E-18
LOC114298332	1.740383	1.427758	1.447832	0.316371	0.2491	0.307541	2.295526	0.283427	70.07138	7.45E-13	4.41E-12
LOC114298330	4.04998	3.841681	3.991409	0.862635	0.889999	0.922093	2.041123	3.154318	485.8012	7.75E-38	3.34E-36
LOC114298343	142.6775	128.695	144.3081	275.5464	272.9921	275.1095	-1.09242	7.372082	1209.952	1.36E-28	2.87E-27
LOC114298379	2.746925	2.534423	2.392321	0.217105	0.262987	0.202027	3.377582	2.208419	452.8364	1.08E-36	4.29E-35
LOC114298365	0.953591	1.073742	0.576263	1.820132	2.183788	1.965924	-1.30181	-0.06255	23.94085	4.39E-06	1.33E-05
LOC114298385	0.51873	0.584089	0.984459	1.028682	1.619899	2.009201	-1.30261	-0.36006	18.56885	4.21E-05	0.000112
LOC114298392	0.741335	0.93809	0.86108	0.128344	0.202108	0.194074	2.129677	1.189023	118.8142	4.46E-18	4.09E-17
LOC114298402	5.86862	5.517836	5.94875	10.73994	9.813799	12.05801	-1.01817	3.684971	215.377	1.67E-25	2.84E-24
LOC114298405	2.175536	1.824207	1.373181	8.666762	10.40151	7.888659	-2.42083	1.840118	251.7319	4.8E-27	9.04E-26
LOC114298412	14.25189	12.19762	12.32368	89.92074	89.46119	88.18902	-2.88955	5.627683	4254.671	3.2E-72	1.7E-69
LOC114298447	0.330446	0.274631	0.363074	0.028604	0	0	5.042457	-0.41409	86.47691	8.93E-15	6.25E-14
LOC114298441	9.14014	10.55871	10.91089	24.80301	23.60075	26.17428	-1.39284	4.348661	519.756	1.91E-38	8.6E-37
LOC114298465	0.147841	0.225222	0.20066	0.600732	0.485444	0.490053	-1.55341	0.359807	45.47599	1.49E-09	6.56E-09
LOC114298496	4.275182	4.052472	4.361798	8.822258	7.492692	7.659537	-1.01631	4.095603	259.9848	3.7E-28	7.6E-27
LOC114298494	0.937676	1.007829	0.913188	0	0	0	8.114379	-0.33552	115.0168	1.34E-17	1.18E-16
LOC114298501	5.934827	4.98609	5.672931	2.204452	1.814608	2.04552	1.355752	2.63864	152.2894	5.5E-21	6.38E-20
LOC114298506	1.778212	1.677572	2.640265	0	0	0	8.031596	-0.40748	103.9767	1.59E-16	1.28E-15
LOC114298541	0.524771	0.393927	0.46127	0.211986	0.116838	0.240415	1.178131	-0.09977	16.96456	8.5E-05	0.000216
LOC114298566	5.869675	6.18827	5.709851	0	0	0	9.936275	1.318362	425.0582	2.91E-35	1.02E-33

LOC114298567	2.489058	2.456812	2.54863	0.019254	0.04548	0.029115	6.105384	1.877561	580.2622	8.72E-41	4.62E-39
LOC114298564	10.99384	11.07835	10.657	27.94982	28.16408	28.41325	-1.47432	4.910015	914.5483	1.24E-48	1.14E-46
LOC114298583	2.291099	1.946817	1.852902	4.009983	4.108181	3.511769	-1.02982	3.405795	173.2579	1.24E-21	1.52E-20
LOC114298667	5.748899	6.038801	4.790407	0.210412	0.662686	0.84846	3.076165	1.314594	201.6689	1.58E-23	2.29E-22
LOC114298663	2.464744	2.417194	2.183966	1.30078	0.625894	0.928843	1.236405	0.426286	27.46365	1.06E-06	3.47E-06
LOC114298692	4.337704	4.105819	3.872388	1.404546	1.31931	1.564957	1.413279	2.62989	165.2965	5.23E-22	6.62E-21
LOC114298668	0.403302	0.522663	0.443124	0.013833	0.054457	0.094126	2.848253	0.170541	80.52763	4.22E-14	2.79E-13
LOC114298686	2.219074	1.895544	2.017811	7.650461	7.77607	8.161096	-2.04655	3.314604	622.0617	5.84E-42	3.4E-40
LOC114298713	0.03224	0.048403	0.082654	2.324714	1.722731	2.304141	-5.3531	1.627669	547.1694	1.19E-39	5.85E-38
LOC114298750	5.425056	5.413784	5.706486	1.963009	1.619208	1.837546	1.51011	2.121921	132.6446	2.48E-19	2.52E-18
LOC114298754	0.058125	0.074798	0.082111	0.633962	0.77251	0.741803	-3.42204	0.548742	182.7887	2.66E-23	3.79E-22
LOC114298842	0.189281	0.127878	0.207971	2.270918	2.38406	1.92509	-3.6956	-0.04803	128.7964	5.43E-19	5.37E-18
LOC114298874	0.985027	0.702975	0.884124	0	0	0.038136	5.637706	0.095168	138.7244	7.36E-20	7.81E-19
LOC114298886	4.646331	4.520646	4.138615	1.394033	1.194463	0.991987	1.806135	1.937718	155.0723	3.29E-21	3.91E-20
LOC114298901	0.276744	0.32942	0.234569	0.114988	0.07922	0.16301	1.10852	-0.2276	13.65415	0.000379	0.000875
LOC114298900	5.774511	5.275886	6.155772	1.015842	0.984418	1.181611	2.321108	2.836484	437.0855	4.04E-36	1.54E-34
LOC114298911	4.391608	4.39305	4.157464	0.285113	0.28061	0.242511	3.889357	1.848268	419.9084	1.78E-35	6.35E-34
LOC114298923	3.190605	1.938871	3.672586	0.368251	0.362435	0.417635	2.808193	0.136313	76.37632	1.53E-13	9.62E-13
LOC114298935	0.459383	0.401025	0.431017	0.966437	0.82743	1.021553	-1.22418	2.024761	91.88353	2.28E-15	1.68E-14
LOC114298992	1.666525	1.685023	1.444934	0.020608	0.032453	0.046744	5.365305	1.189153	326.9992	1.44E-31	3.83E-30
LOC114299000	8.149308	7.148824	7.600476	0	0.271257	0.260475	5.111711	0.448128	179.7481	4.4E-23	6.14E-22
LOC114299031	9.400459	10.33387	10.65528	24.65316	22.7083	22.21421	-1.29786	3.778096	370.7868	1.65E-33	5.02E-32
LOC114299060	1.008184	0.94601	1.107733	4.276295	3.206677	3.541099	-1.9281	0.377158	68.51525	1.16E-12	6.75E-12
LOC114299079	4.296964	4.576422	4.661111	0.522399	0.724706	0.564243	2.778163	2.501275	427.5399	9.14E-36	3.36E-34
LOC114299080	0.835591	0.490038	0.975479	0.316449	0.249161	0.095703	1.745502	-0.07071	30.56012	4.67E-07	1.58E-06
LOC114299110	34.07083	35.62341	33.47849	13.84718	13.8763	14.03176	1.199145	5.185465	741.2517	5.81E-45	4.09E-43

LOC114299178	41.79806	41.04465	44.63474	90.78012	87.82481	92.51679	-1.19418	5.647059	945.6229	3.18E-49	3.12E-47
LOC114299174	189.1565	189.6023	185.9894	75.13701	76.97208	80.14319	1.176313	7.058218	1381.75	1.16E-36	4.57E-35
LOC114299172	171.8237	170.0892	165.4788	65.00385	65.23009	67.53146	1.253848	6.866415	1521.112	2.71E-44	1.84E-42
LOC114299184	4.193275	4.701178	4.587381	1.814911	1.948636	2.220467	1.053336	2.443877	83.38815	1.99E-14	1.35E-13
LOC114299205	4.043228	3.350074	4.107183	1.109414	1.74703	1.625164	1.226144	1.136594	45.84279	1.32E-09	5.83E-09
LOC114299235	0.322092	0.523864	0.393218	3.05764	4.097844	4.033335	-3.29224	0.836207	207.9451	5.06E-25	8.23E-24
LOC114299215	1.57885	1.726988	1.883442	1.066025	0.710221	0.371995	1.216869	-0.1445	16.89728	8.76E-05	0.000222
LOC114299289	0.375151	0.447268	0.375824	0.100288	0.142134	0.136484	1.516422	-0.29208	23.23213	5.87E-06	1.75E-05
LOC114299312	1.433491	1.546145	1.47556	2.907558	2.613273	3.110826	-1.06022	2.14844	76.2295	1.34E-13	8.5E-13
LOC114299321	0.066311	0.074666	0.083267	0.619925	0.732163	0.755139	-3.32879	0.343598	153.3269	4.54E-21	5.31E-20
LOC114299362	0.344901	0.408798	0.359012	1.187941	0.779454	0.973014	-1.4836	0.217407	37.67974	2.26E-08	8.88E-08
LOC114299361	2.853348	2.252007	2.593044	0.945272	0.782443	0.751342	1.546032	1.964305	120.2419	3.28E-18	3.05E-17
LOC114299396	0.383722	0.406655	0.37201	0.820634	0.775367	0.899662	-1.20423	-0.20379	19.23797	3.15E-05	8.53E-05
LOC114299397	0.612469	0.873543	0.897261	1.781376	1.870127	2.188622	-1.41268	0.088373	31.72707	2.04E-07	7.21E-07
LOC114299394	1.108641	1.092287	1.116601	6.381821	6.435311	6.645097	-2.65681	2.924501	678.9613	1.88E-43	1.21E-41
LOC114299401	30.31215	27.76111	32.32373	68.85052	55.74485	68.67109	-1.19832	4.59966	381.9961	4.25E-25	6.97E-24
LOC114299423	1.22956	1.300995	1.188038	2.347438	2.396592	2.411727	-1.05156	3.165169	162.9354	7.94E-22	9.92E-21
LOC114299425	0.010153	0	0	1.088902	1.206123	1.32563	-7.95666	0.867795	398.9776	1.16E-34	3.89E-33
LOC114299418	0.184679	0.184843	0.14655	0.354365	0.32307	0.380735	-1.13278	-0.27544	16.12423	0.000123	0.000307
LOC114299428	3.579687	3.689813	3.561361	9.80941	9.329497	10.08462	-1.53728	3.522174	443.3196	2.38E-36	9.21E-35
LOC114299430	2.299882	1.946972	2.729872	5.126789	4.949716	5.029844	-1.21727	2.746737	143.9873	2.64E-20	2.9E-19
LOC114299442	0.360086	0.405456	0.499757	1.963715	1.62754	1.667037	-2.14694	0.819621	111.9888	2E-17	1.73E-16
LOC114299461	0.430478	0.52597	0.694382	0.033299	0.091766	0.012588	3.417677	0.130087	91.1534	8.82E-15	6.17E-14
LOC114299462	0.939104	0.978121	0.928649	0.064017	0.016802	0.096803	3.851888	0.496155	148.9285	1.03E-20	1.17E-19
LOC114299467	3.481293	3.372787	3.408164	0.060501	0.085745	0.054891	5.540257	2.970981	1229.82	6.35E-54	9.09E-52
LOC114299523	104.7315	96.89209	104.142	620.8676	596.2169	614.1095	-2.68779	8.427874	9398.936	4.1E-92	2.61E-88

LOC114299532	15.01995	13.69854	13.93248	25.51738	26.38687	27.46025	-1.00227	3.730363	226.694	3.27E-26	5.83E-25
LOC114299544	1.612668	1.054371	1.586142	0.047283	0.130302	0.125122	3.628089	0.906053	180.6376	2.14E-22	2.8E-21
LOC114299547	14.35454	13.46701	14.5172	4.442006	4.921086	4.961754	1.452353	4.518623	610.1714	1.24E-41	7.04E-40
LOC114299619	0.301335	0.610744	0.397307	1.314655	2.070231	2.236435	-2.23392	-0.67106	39.05775	1.38E-08	5.53E-08
LOC114299608	0.793197	0.757814	0.76588	1.762311	1.80042	1.431537	-1.20527	2.221639	98.93714	4.08E-16	3.18E-15
LOC114299624	0.925339	1.041929	1.04495	0.264775	0.233002	0.164861	2.095011	1.169325	115.758	8.67E-18	7.77E-17
LOC114299603	8.051415	8.317807	8.794286	0.287545	0.520727	0.456548	4.165426	3.05825	1045.034	5.32E-51	6.19E-49
LOC114299645	0.833636	1.269968	1.185348	0.311994	0.280747	0.404382	1.58394	-0.03476	29.53746	4.73E-07	1.6E-06
LOC114299701	7.049141	6.757445	6.349656	0.865816	1.408877	1.571082	2.245023	1.953152	216.5913	1.4E-25	2.39E-24
LOC114299700	0.771072	0.972412	0.881097	2.018406	2.251402	1.653227	-1.27656	0.52861	35.80254	4.47E-08	1.7E-07
LOC114299711	2.056255	1.683883	1.889591	6.116572	5.832691	6.114689	-1.7787	1.698734	151.4454	6.43E-21	7.43E-20
LOC114299705	0.059789	0	0	1.521592	2.3961	2.547379	-6.2614	-0.77538	108.951	3.96E-17	3.35E-16
LOC114299772	2.128719	2.411286	2.226869	4.819661	4.652327	4.695154	-1.17179	3.066202	182.0466	3.01E-23	4.27E-22
LOC114299826	8.445533	7.842139	8.182903	3.257767	3.670949	3.834765	1.071496	4.035574	272.973	7.22E-29	1.57E-27
LOC114299830	0.809496	1.230512	0.97837	0.18394	0.202759	0.333771	1.906376	0.045157	41.98579	4.94E-09	2.07E-08
LOC114299867	1.092585	1.008803	1.008394	0.754727	0.375314	0.360396	1.012783	0.191436	15.76072	0.000145	0.000357
LOC114299899	1.688294	1.728196	1.948686	0.434002	0.585804	0.562519	1.630207	1.099311	74.95038	1.91E-13	1.19E-12
LOC114299916	2.232308	1.553736	2.136626	0.648882	0.632916	0.637048	1.524518	2.887822	184.977	3.05E-18	2.85E-17
LOC114299923	0.657167	0.595584	0.660417	0.18939	0.091766	0.099133	2.272692	0.622445	87.018	7.78E-15	5.47E-14
LOC114299949	1.125203	1.050663	0.995077	0.049888	0.078561	0.150876	3.286269	-0.42659	62.81042	6.14E-12	3.35E-11
LOC114300018	0.755436	0.737203	0.885364	1.769963	1.850137	1.799669	-1.29445	1.257625	63.09623	5.64E-12	3.09E-11
LOC114300061	17.96934	18.40576	17.83434	35.1991	35.28554	34.22418	-1.05499	5.403656	665.6757	4.1E-43	2.58E-41
LOC114300059	18.48337	19.76111	17.84682	7.466547	7.215024	7.49276	1.233675	4.38402	415.0888	2.72E-35	9.56E-34
LOC114300069	2.264845	2.627961	2.367091	4.217501	5.27757	4.53634	-1.06602	2.97616	131.0273	4.94E-19	4.9E-18
LOC114300111	1.385533	1.293137	1.473498	0.592624	0.59387	0.641548	1.073326	2.043454	68.30492	1.23E-12	7.15E-12
LOC114300125	1.480697	1.316259	1.741073	10.86102	11.2658	11.17503	-2.97915	2.903348	767.2017	1.47E-45	1.08E-43

LOC114300116	1.020993	0.942063	0.903679	2.242647	2.13112	1.734577	-1.18188	1.696793	68.91532	1.04E-12	6.05E-12
LOC114300148	5.289297	5.334944	4.978643	0.939576	0.739791	1.136616	2.358046	2.435034	322.2387	2.41E-31	6.31E-30
LOC114300142	1.949439	1.721619	1.357956	8.70878	6.820528	7.49506	-2.28271	3.496094	558.6614	1.49E-20	1.66E-19
LOC114300213	50.22248	48.84685	48.56538	14.06696	15.22013	16.19992	1.58817	5.221302	1233.632	5.58E-54	8.03E-52
LOC114300205	0.56713	0.404438	0.726984	1.546411	0.838785	1.039284	-1.07436	0.489426	22.93411	7.58E-06	2.23E-05
LOC114300250	3.441899	2.583714	3.448074	0.674748	0.579572	0.834802	2.064532	0.86695	90.58406	3.15E-15	2.3E-14
LOC114300216	3.351679	3.222127	3.717371	1.666885	1.357706	1.4993	1.088359	2.252137	78.90775	6.51E-14	4.22E-13
LOC114300248	0.60786	0.446046	0.847985	0.260726	0.215063	0.337932	1.108321	1.060026	29.219	1.97E-06	6.23E-06
LOC114300238	2.713442	2.854321	2.863686	1.103334	1.277542	1.373973	1.04298	0.853072	28.87298	6.12E-07	2.05E-06
LOC114300218	31.32454	33.47426	33.58004	13.46699	11.69449	12.14635	1.298099	4.822655	592.93	3.78E-41	2.05E-39
LOC114300261	0.924168	1.482083	1.63083	0.458174	0.400835	0.346412	1.6321	0.051564	32.17407	1.72E-07	6.14E-07
LOC114300257	1.116055	1.05675	1.309865	0.507197	0.290436	0.766953	1.030667	0.126696	15.39252	0.000171	0.000417
LOC114300298	0.500499	0.65101	0.606807	0.015687	0	0	6.584377	0.204787	162.8337	8.09E-22	1.01E-20
LOC114300291	22.51149	22.67837	21.37473	4.511072	4.059276	3.623853	2.353732	4.137376	1091.163	8.99E-52	1.11E-49
LOC114300327	0.26945	0.281729	0.26786	0.046649	0.009182	0	3.886361	-0.3302	74.97765	1.9E-13	1.19E-12
LOC114300380	1.086544	0.788443	0.902006	0.087784	0.241914	0.199113	2.217719	-0.32871	40.39037	8.62E-09	3.52E-08
LOC114300386	7.024261	6.147987	6.518015	17.1682	18.37558	18.90265	-1.57387	3.682477	504.4011	1.87E-38	8.42E-37
LOC114300423	1.119125	1.096782	1.093004	2.260411	2.432355	2.364156	-1.199	1.36408	59.25548	1.79E-11	9.41E-11
LOC114300429	1.938412	1.659533	1.372938	0.553306	0.57323	0.79264	1.252146	1.172444	47.42294	7.77E-10	3.51E-09
LOC114300453	0.201722	0.086529	0.063326	0.646082	0.591196	0.567697	-2.40871	0.216429	81.38546	4.51E-14	2.98E-13
LOC114300478	1.132183	1.3729	1.741568	3.134655	3.34069	3.447298	-1.34031	2.057946	105.6884	8.35E-17	6.88E-16
LOC114300479	3.403719	2.901501	3.127071	0.559309	0.688095	0.581455	2.250825	1.599055	178.9049	5.07E-23	7.01E-22
LOC114300518	0.817325	0.653902	0.8035	0.078197	0.12314	0.295614	2.002706	-0.4088	31.98221	1.85E-07	6.58E-07
LOC114300543	0.834723	0.650697	0.82543	0.070033	0.073522	0.0706	3.310308	1.058675	198.348	2.2E-24	3.39E-23
LOC114300526	1.512275	1.009078	1.323126	0.203633	0.601252	0.423392	1.487498	0.020404	27.17011	1.2E-06	3.87E-06
LOC114300602	1.863518	1.919737	1.960397	0.360377	0.453998	0.435952	2.062158	-0.01233	48.03393	6.34E-10	2.9E-09

LOC114300619	2.363028	2.220968	2.531985	0.390506	0.251567	0.429454	2.62174	1.141748	158.6167	1.72E-21	2.09E-20
LOC114300617	0.885194	1.013339	1.00502	0.026819	0.021116	0	5.807712	1.084589	303.517	1.93E-30	4.72E-29
LOC114300616	1.304994	1.087752	1.191772	0.308084	0.169802	0.20964	2.305975	0.455786	79.61731	5.38E-14	3.53E-13
LOC114300637	1.293401	1.363407	1.239695	0.450224	0.275716	0.189112	2.027767	-0.03102	44.64436	1.98E-09	8.6E-09
LOC114300641	1.786217	1.428007	1.844836	0.454583	0.409056	0.687394	1.579552	0.968013	62.49134	6.76E-12	3.68E-11
LOC114300646	1.696622	1.806567	1.600737	0.134094	0.316743	0.481575	2.267925	0.810542	96.2562	8.76E-16	6.65E-15
LOC114300690	2.458443	2.420199	2.114649	0.485207	0.321714	0.386158	2.464137	1.591555	199.0804	1.96E-24	3.04E-23
LOC114300752	0.832417	0.791497	0.833312	0.100879	0.052952	0.050848	3.483864	-0.26067	76.83878	1.14E-13	7.25E-13
LOC114300791	0.690309	0.574516	0.758471	1.800449	1.976067	2.598779	-1.76972	0.541881	65.80763	2.54E-12	1.44E-11
LOC114300796	33.22964	32.30872	35.75922	10.92928	13.08838	12.76606	1.346452	4.254922	443.674	2.32E-36	8.97E-35
LOC114300809	0.463592	0.551004	0.693306	1.240682	1.161187	1.185827	-1.17735	1.083884	45.37832	1.54E-09	6.77E-09
LOC114300808	1.128521	1.11466	0.804882	2.663285	2.522045	3.265345	-1.57713	1.575901	106.8228	6.43E-17	5.34E-16
LOC114300822	0.184265	0.207482	0.229454	0.558268	0.527474	0.523391	-1.47053	-0.05975	31.09048	2.6E-07	9.07E-07
LOC114300864	1.59107	1.495548	1.216122	0	0.019802	0.038031	5.857748	0.769258	240.9894	4.51E-27	8.52E-26
LOC114300896	0.540468	0.459094	0.552163	0.24131	0.203571	0.104255	1.430273	0.2712	31.22033	2.48E-07	8.65E-07
LOC114300895	5.269244	4.767715	4.290461	0.726943	0.202013	0.54962	3.212419	1.788132	283.8606	2.1E-26	3.79E-25
LOC114300916	0.753337	0.737614	0.683771	2.14346	3.234736	2.11579	-1.89256	0.615074	75.38201	1.69E-13	1.06E-12
LOC114300942	0.243758	0.217684	0.230885	1.207087	1.479767	1.686655	-2.7709	1.629553	284.0695	1.87E-29	4.28E-28
LOC114300939	1.941776	1.903009	2.17302	4.57567	4.683547	4.250274	-1.26872	1.479314	70.62306	6.37E-13	3.8E-12
LOC114301007	3.406518	3.340283	3.680502	1.754525	1.40177	1.463099	1.081022	2.425989	86.65168	8.54E-15	6E-14
LOC114301008	2.997689	2.796033	3.342846	1.05732	1.120671	0.799408	1.518615	1.487604	85.97117	1.02E-14	7.07E-14
LOC114301038	26.07202	25.01986	28.32972	97.97992	93.64794	99.72122	-1.98053	6.180976	2940.277	1.81E-69	8.2E-67
LOC114301060	0.664099	0.607566	0.547255	2.112623	2.079261	1.31206	-1.66828	-0.10832	36.13684	3.96E-08	1.51E-07
LOC114301063	0.382271	0.415594	0.340359	0.11981	0.094335	0.099643	1.759218	0.271744	45.99827	1.25E-09	5.54E-09
LOC114301134	2.666384	2.437048	2.574185	0.932897	0.798404	1.13467	1.310581	2.264483	110.2117	2.98E-17	2.54E-16
LOC114301144	11.97308	10.51737	11.58649	0.567781	0.425763	0.51105	4.404465	3.564746	1677.341	1.4E-59	3.12E-57

LOC114301162	1.00297	1.009412	0.828942	0.27429	0.381118	0.329372	1.404324	1.17637	60.20795	1.34E-11	7.12E-11
LOC114301191	0.584338	0.490247	0.541325	0.124967	0.098395	0.062989	2.413469	-0.0888	55.89152	5.07E-11	2.55E-10
LOC114301244	0.913136	1.12956	1.187004	0.467583	0.497014	0.477259	1.046282	0.935984	30.04758	3.88E-07	1.33E-06
LOC114301243	14.95138	13.87347	14.29819	5.955878	7.067212	6.722877	1.012603	2.782862	102.3532	1.82E-16	1.46E-15
LOC114301225	1.494717	1.851352	1.478077	0.21737	0.556238	0.369781	1.911161	0.149621	46.09407	1.21E-09	5.37E-09
LOC114301247	11.8324	11.92354	13.05134	44.0227	45.7657	46.09803	-1.99123	5.265629	2028.376	4.34E-63	1.28E-60
LOC114301229	7.589175	6.936849	6.572734	2.028789	1.980776	2.515606	1.577472	1.674045	105.8634	8.02E-17	6.61E-16
LOC114301264	5.008336	4.793469	4.815009	0.075869	0.119473	0.114724	5.342189	0.935516	276.0517	4.94E-29	1.09E-27
LOC114301288	1.235245	1.207873	1.285783	0.472728	0.511788	0.536122	1.172396	-0.14338	16.88532	8.8E-05	0.000223
LOC114301285	1.133488	0.800395	0.949889	1.955709	1.608603	1.887922	-1.01032	2.148166	65.98827	2.41E-12	1.37E-11
LOC114301317	0.57025	0.600483	0.522131	1.151792	0.929554	1.117572	-1.01685	2.241953	73.03241	3.24E-13	1.99E-12
LOC114301270	0.572712	0.496056	0.471947	0.180188	0.220693	0.242196	1.134565	0.127528	19.44556	2.88E-05	7.85E-05
LOC114301271	1.067331	1.062067	1.090903	0.180485	0.461851	0.341149	1.547541	-0.06881	28.15817	8.1E-07	2.67E-06
LOC114301291	13.16331	12.78338	13.03164	24.75897	24.79782	23.88191	-1.01871	5.078379	527.6464	3.37E-39	1.61E-37
LOC114301304	1.576878	1.556656	1.732582	0.431936	0.711101	0.445328	1.487147	0.67817	46.44012	1.08E-09	4.8E-09
LOC114301338	0	0	0	0.804366	0.791663	0.608157	-7.78087	-0.92591	105.8755	1.03E-16	8.41E-16
LOC114301362	0.280747	0.105373	0.102823	1.020695	1.205492	1.457687	-2.9656	-0.48878	68.5295	1.16E-12	6.72E-12
LOC114301385	4.930345	4.821089	5.096422	9.729015	8.728099	9.451106	-1.01194	2.748305	107.1111	6.02E-17	5.02E-16
LOC114301394	0.22443	0.42118	0.213712	0.62556	0.68528	0.76086	-1.39284	0.051519	28.82904	6.23E-07	2.08E-06
LOC114301472	0.078678	0.310067	0.216116	2.717412	2.083294	1.838284	-3.52923	-0.08458	112.2859	1.87E-17	1.62E-16
LOC114301483	0.835986	0.877137	0.939408	1.692363	1.740421	1.645129	-1.04184	1.071638	36.80516	3.11E-08	1.2E-07
LOC114301489	5.73607	5.769863	5.71423	2.363488	2.590708	2.592846	1.077157	2.304592	81.93545	2.91E-14	1.95E-13
LOC114301486	4.768514	4.717649	5.391432	20.60724	21.06968	22.9471	-2.22634	5.019925	1974.108	1.76E-61	4.41E-59
LOC114301487	5.165385	5.858257	5.648073	0.746655	0.997633	1.231687	2.347637	2.983923	465.6562	1.24E-35	4.47E-34
LOC114301500	0.682139	0.652874	0.843181	0	0.048817	0.117191	3.426771	-0.31306	68.09914	1.31E-12	7.57E-12
LOC114301516	2.003826	1.999257	2.034471	0.092218	0.036305	0	5.468083	0.423185	181.5084	3.29E-23	4.64E-22

LOC114301550	5.050784	4.193084	3.762377	1.011513	0.796431	0.705945	2.287254	0.944303	111.0253	2.48E-17	2.13E-16
LOC114301636	0.072962	0.061617	0.180375	0.630005	0.809337	0.777167	-2.91072	-0.4426	69.20461	9.53E-13	5.59E-12
LOC114301643	1.096561	1.31704	1.349417	0.13289	0.041853	0.020095	4.24385	0.559239	164.7908	5.72E-22	7.22E-21
LOC114301649	13.73681	11.27067	11.74771	3.626372	3.456396	3.896228	1.637929	3.764656	482.6922	1.52E-35	5.48E-34
LOC114301653	3.598028	3.139813	4.5463	8.66626	7.531623	8.592162	-1.23651	2.035664	91.06493	2.8E-15	2.05E-14
LOC114301664	0.2656	0.135938	0.119383	0.526705	0.725742	0.580746	-1.89688	0.038998	49.47135	3.95E-10	1.84E-09
LOC114301675	0.300156	0.374186	0.447577	0	0.015343	0.014733	4.800735	-0.61732	72.79354	3.46E-13	2.12E-12
LOC114301685	0.722797	0.630461	0.671127	0.203564	0.247705	0.181892	1.566222	0.496989	45.29316	1.59E-09	6.96E-09
LOC114301701	0.294876	0.166015	0.246851	0.051051	0.010049	0.038598	2.749679	-0.54754	43.6579	2.77E-09	1.19E-08
LOC114301746	0.672623	0.70688	0.689769	2.934498	3.529969	2.403576	-2.19265	0.337458	81.06715	3.66E-14	2.43E-13
LOC114301755	3.628979	2.626857	3.560099	0.942405	1.576789	1.78131	1.046212	0.253174	17.85013	5.76E-05	0.00015
LOC114301778	58.4475	51.69521	58.57732	103.3927	105.1311	109.4821	-1.02035	6.632833	877.3846	5.48E-33	1.61E-31
LOC114301796	0.549675	0.523713	0.603951	1.127316	0.988475	1.026669	-1.0012	0.825361	28.62017	6.76E-07	2.25E-06
LOC114301806	1.174032	1.274319	1.127261	0.346083	0.348187	0.392495	1.601199	1.206389	79.08201	6.21E-14	4.04E-13
LOC114301814	1.719574	0.922017	0.899699	2.083919	2.519812	2.082027	-1.00295	0.394332	19.43877	2.96E-05	8.05E-05
LOC114301820	2.949007	2.837582	2.120856	0.292406	0.383717	0.073693	3.287776	-0.11286	77.14644	1.05E-13	6.68E-13
LOC114301837	1.936089	1.844642	1.909081	7.038928	7.247513	5.39015	-1.88163	1.388425	130.0223	4.22E-19	4.21E-18
LOC114301855	9.057983	7.77568	11.23338	2.934498	3.465788	3.451288	1.389329	1.147583	56.86189	3.75E-11	1.91E-10
LOC114301875	0.479396	0.694028	0.451485	1.61842	1.372312	1.741332	-1.64503	-0.03208	38.10432	1.94E-08	7.67E-08
LOC114301903	0.586491	0.466825	0.533298	0.294106	0.217096	0.236263	1.000439	0.320639	17.77203	5.96E-05	0.000155
LOC114301899	0.580731	0.557028	0.614441	1.603047	1.262186	1.330261	-1.34525	0.520335	40.04746	9.73E-09	3.96E-08
LOC114301920	3.407954	3.568061	4.664154	0	0	0	8.647372	0.136343	164.8218	8.57E-22	1.07E-20
LOC114301942	6.647093	5.547418	6.701979	2.416646	2.387809	2.36455	1.2942	2.343656	114.3857	1.17E-17	1.04E-16
LOC114301958	2.300089	1.988202	2.425094	0.591274	0.731577	0.798293	1.53446	1.00499	63.22044	5.44E-12	2.99E-11
LOC114301983	0.694835	0.764397	0.666917	0.029036	0	0.010977	5.628293	0.56739	204.2849	8.82E-25	1.4E-23
LOC114301996	0.198508	0.141562	0.152676	0.529249	0.369359	0.472904	-1.55188	0.543373	51.61686	1.97E-10	9.41E-10

LOC114302035	1.072112	1.094524	1.335037	0.207883	0.429661	0.255408	1.827405	0.720199	65.60785	2.69E-12	1.52E-11
LOC114302031	0.229152	0.354784	0.566502	1.405881	1.885904	2.204625	-2.39018	0.274787	84.92839	1.62E-14	1.11E-13
LOC114302053	1.794288	2.020365	1.449602	0	0.151068	0.145063	3.836085	-0.64094	59.62465	1.6E-11	8.44E-11
LOC114302043	0.44886	0.454874	0.624697	1.849482	1.863105	2.262016	-2.07929	1.363789	153.0418	4.78E-21	5.58E-20
LOC114302044	0.254209	0.506422	0.257824	2.274982	2.043138	2.123181	-2.76591	0.964378	175.2361	9.39E-23	1.27E-21
LOC114302057	1.639918	1.538786	2.102154	4.968463	4.498801	2.817378	-1.29426	0.416339	32.17387	1.75E-07	6.21E-07
LOC114302061	1.585973	1.697976	2.028243	0	0	0	8.717237	0.199021	175.6014	1.37E-22	1.82E-21
LOC114302078	2.22769	1.970865	2.36024	4.338796	3.871719	4.073204	-1.00382	2.274011	74.22349	2.33E-13	1.44E-12
LOC114302114	2.796611	3.070254	3.072754	0.762561	0.900622	1.24919	1.471819	-0.07246	26.25915	1.72E-06	5.47E-06
LOC114302133	0.166688	0.052136	0.203497	1.969559	2.20023	1.781858	-3.89364	1.817074	425.4604	2.14E-29	4.85E-28
LOC114302135	1.255562	1.081111	0.973792	7.384195	6.76546	7.511627	-2.80183	1.79076	330.1918	1.02E-31	2.75E-30
LOC114302160	3.777479	3.670105	3.604983	11.92858	13.25407	12.75691	-1.88752	3.539209	633.7607	2.82E-42	1.67E-40
LOC114302181	1.57652	1.123518	1.578704	0.145105	0.228502	0.21942	2.702391	0.42146	94.92636	1.08E-15	8.12E-15
LOC114302218	0.648032	0.839135	0.605217	2.061511	2.597064	2.226638	-1.83065	0.525185	69.31592	9.23E-13	5.42E-12
LOC114302214	0.563014	0.826895	0.511023	2.180412	2.067148	2.624213	-1.96733	0.884997	98.71834	4.3E-16	3.35E-15
LOC114302232	3.33757	4.402341	3.352802	0	0	0	8.902909	0.368362	196.8644	4.53E-24	6.82E-23
LOC114302233	7.714173	8.4147	8.740755	0	0	0	7.73527	-0.66171	87.20309	9.02E-15	6.31E-14
LOC114302236	0.040124	0.06777	0.06613	0.802331	0.488154	0.716912	-3.55824	-0.79658	68.85209	1.05E-12	6.16E-12
LOC114302268	1.14044	1.191464	1.343476	3.782904	3.062671	3.79736	-1.63611	2.637069	229.2633	2.28E-26	4.1E-25
LOC114302295	1.49107	1.249445	1.905001	5.04279	5.112049	5.719051	-1.87957	1.601149	151.4069	6.48E-21	7.48E-20
LOC114302335	2.193147	2.067938	1.880743	4.375702	3.930172	4.239571	-1.12921	2.419871	101.6251	2.15E-16	1.72E-15
LOC114302372	1.151376	1.204779	1.162837	0.232555	0.299628	0.25575	2.03391	0.972119	98.82337	4.19E-16	3.27E-15
LOC114302384	5.746851	5.795713	6.424119	0.635889	0.143051	0.274729	4.048532	1.014016	226.7597	3.24E-26	5.79E-25
LOC114302416	1.418047	1.140512	1.279841	7.088827	5.871453	6.334129	-2.41318	1.223552	180.133	4.13E-23	5.78E-22
LOC114302459	6.174592	6.952577	6.94678	23.12073	21.59136	23.78213	-1.87808	3.615906	656.5034	7.08E-43	4.39E-41
LOC114302477	0.231269	0.173606	0.207048	0.871952	0.662027	0.765209	-1.98833	0.802954	97.26916	6.09E-16	4.68E-15

LOC114302481	0.637264	0.734643	0.700189	0.330981	0.260603	0.354513	1.019096	0.124119	15.90723	0.000136	0.000336
LOC114302494	0.644769	0.544507	0.489654	0.1896	0.284999	0.260639	1.062849	0.460228	21.79944	1.06E-05	3.06E-05
LOC114302480	0.079368	0.208527	0.17441	2.260345	2.309849	2.581648	-4.0515	0.558456	217.7887	1.18E-25	2.02E-24
LOC114302623	5.089685	5.059562	4.492518	1.509763	1.4021	1.287831	1.70379	2.171495	165.7226	4.85E-22	6.15E-21
LOC114302707	0.450625	0.328872	0.513459	0.895004	0.752472	0.894601	-1.07071	1.241876	41.65876	5.53E-09	2.3E-08
LOC114302706	2.217048	2.348676	2.219754	0	0	0	10.05804	1.43289	463.8776	1.2E-36	4.73E-35
LOC114302702	5.37676	5.023006	5.550613	0.053703	0.042284	0.081207	6.267292	1.505608	452.8088	1.08E-36	4.3E-35
LOC114302715	9.403101	8.62564	9.254542	0.857958	0.727491	0.997963	3.284373	2.068398	404.7722	6.84E-35	2.35E-33
LOC114302736	0.384019	0.51348	0.421938	0.021815	0.034353	0.032987	3.667518	-0.51389	65.03213	3.19E-12	1.79E-11
LOC114302753	1.521162	1.305009	1.512186	5.793753	6.065129	6.769835	-2.20717	1.700736	217.3333	1.26E-25	2.15E-24
LOC114302758	13.86808	13.87279	13.73703	3.309807	4.647421	4.462693	1.612516	3.155181	309.7487	9.57E-31	2.41E-29
LOC114302767	0	0	0.020558	0.476176	0.348145	0.411454	-5.74589	-0.52776	123.8466	1.52E-18	1.45E-17
LOC114302781	20.98281	19.19265	20.76776	8.214891	7.70271	8.710906	1.201191	4.505328	427.1162	9.48E-36	3.46E-34
LOC114302814	46.70182	42.89998	45.27309	18.80656	18.03147	19.7458	1.147572	6.221181	1056.281	2.25E-47	1.88E-45
LOC114302846	5.749608	6.344045	6.114368	20.73562	18.47476	18.75597	-1.77321	4.076938	741.2451	5.81E-45	4.09E-43
LOC114302850	17.50942	14.60412	16.00819	0.392951	0.495034	0.772455	4.699507	2.535356	747.711	4.11E-45	2.91E-43
LOC114302875	2.022612	2.316057	2.74966	6.35641	6.525898	6.596319	-1.56915	1.988209	141.3529	4.4E-20	4.74E-19
LOC114302891	4.048565	3.779212	4.171747	10.88682	11.66441	9.888968	-1.5394	4.436553	642.7108	1.83E-40	9.53E-39
LOC114302892	2.198314	2.311833	2.119153	5.918814	5.461724	4.959594	-1.39899	2.500067	157.1284	2.26E-21	2.71E-20
LOC114302934	6.096845	6.386078	6.215097	0.189916	0.170896	0.092308	5.285937	3.663757	2008.106	6.67E-63	1.89E-60
LOC114302941	2.238833	1.966124	2.217709	0.777819	0.705221	0.867277	1.343037	3.345742	270.1677	1.02E-28	2.19E-27
LOC114302969	3.50771	3.164359	3.448376	0.447466	0.35232	0.338316	3.05899	1.510241	256.1543	6.06E-28	1.22E-26
LOC114302948	2.652968	2.749314	2.824641	7.596696	7.207903	6.937533	-1.50448	3.704694	475.278	1.77E-37	7.44E-36
LOC114303045	16.02794	14.58405	16.34324	31.23267	28.47805	29.88915	-1.03537	4.852657	425.1247	1.13E-35	4.08E-34
LOC114303036	1.164097	1.498024	0.877058	0.544145	0.428442	0.639974	1.016115	-0.20222	11.76926	0.000915	0.001982
LOC114303095	3.232711	3.206689	2.325659	0.209875	0.055083	0.370253	3.632165	0.427406	126.8051	1.36E-18	1.3E-17

LOC114303117	4.148814	4.144688	3.87299	1.587748	1.518026	2.229404	1.067455	1.537065	47.40289	7.82E-10	3.54E-09
LOC114303139	0.647259	0.404895	0.592642	0.152522	0.102935	0.065896	2.292936	-0.10625	49.22465	4.28E-10	1.99E-09
LOC114303149	1.501235	1.543397	1.816807	3.599086	4.172848	3.917275	-1.37834	1.962724	110.4696	2.81E-17	2.4E-16
LOC114303210	1.563016	1.337018	1.517659	26.12219	26.67215	25.84511	-4.2552	5.14994	6065.481	9.74E-84	1.63E-80
LOC114303213	6.543984	6.386043	6.55673	3.002272	2.564596	2.86953	1.10774	3.170622	169.0006	2.74E-22	3.54E-21
LOC114303215	0.274982	0.30963	0.226601	0.853943	1.082345	1.228291	-2.08263	0.843419	106.8202	6.44E-17	5.35E-16
LOC114303225	2.81096	2.152291	2.532585	7.766931	6.759149	8.344906	-1.7049	1.469611	118.4933	4.78E-18	4.37E-17
LOC114303302	1.676662	1.64975	1.388749	0.618953	0.50211	0.524695	1.42602	2.638858	161.6252	1E-21	1.24E-20
LOC114303360	3.463329	3.273471	3.166457	7.306704	7.598372	7.087881	-1.254	2.68797	153.0866	4.74E-21	5.54E-20
LOC114303357	3.24933	3.335908	3.352086	1.135904	1.367864	1.050795	1.373955	3.203243	244.9885	2.63E-27	5.06E-26
LOC114303383	3.937442	4.704993	4.237942	1.460728	0.230026	0.331324	2.679137	0.048861	64.31154	7.62E-12	4.13E-11
LOC114303397	7.858935	8.064826	8.385375	17.39661	15.58308	15.56722	-1.10048	4.613739	395.8925	1.54E-34	5.11E-33
LOC114303408	0.300008	0.29883	0.316953	0.010488	0	0.007929	5.406427	-0.10139	121.32	2.6E-18	2.44E-17
LOC114303439	16.77762	16.94441	16.21084	3.009742	2.633077	2.275575	2.565367	2.976987	566.1782	2.25E-40	1.16E-38
LOC114303485	7.863301	5.386735	5.981356	1.39942	0.865744	1.284786	2.349451	1.125355	126.8255	1.07E-18	1.04E-17
LOC114303489	3.682982	3.644359	3.065641	11.66554	12.45972	11.19751	-1.86634	2.068865	203.5108	9.92E-25	1.57E-23
LOC114303494	2.781553	2.958021	3.905155	0.280909	1.216482	0.743354	1.915037	-0.18741	34.73636	6.62E-08	2.47E-07
LOC114303498	0.909461	1.160592	1.065881	2.479858	1.822386	2.249934	-1.15912	0.726121	34.41159	7.47E-08	2.77E-07
LOC114303502	3.695972	3.524668	4.24739	0	0	0	10.29153	1.652456	535.2762	5.89E-39	2.76E-37
LOC114303513	0.566092	0.523009	0.621988	0.184702	0.166203	0.379043	1.081455	-0.08893	14.47963	0.000259	0.000614
LOC114303518	0.737454	0.817596	0.585888	1.381807	1.201659	1.465758	-1.02227	1.487208	45.2809	1.59E-09	6.99E-09
LOC114303527	2.741451	2.606126	2.765249	1.347987	1.479471	0.833868	1.056468	1.440144	41.83952	5.19E-09	2.17E-08
LOC114303555	0.100111	0.084544	0.274991	1.091906	1.253773	1.100743	-2.99416	-0.29063	79.84055	5.07E-14	3.33E-13
LOC114303558	1.007032	0.523346	0.425565	2.675498	2.771839	1.596997	-1.88852	-0.67158	28.52864	7E-07	2.33E-06
LOC114303580	4.214474	3.954574	3.31861	1.91529	2.010714	1.448093	1.000257	0.375095	18.32628	4.68E-05	0.000124
LOC114303581	1.026695	1.04045	0.902458	0.279952	0.220425	0.211663	1.959262	-0.28309	35.603	4.81E-08	1.82E-07

LOC114303605	2.30687	2.232253	2.479209	6.49989	6.294063	6.093423	-1.53186	4.198193	614.9691	9.14E-42	5.26E-40
LOC114303604	3.225487	3.254733	3.284994	0	0	0	10.66395	2.007022	700.4443	2.05E-43	1.31E-41
LOC114303610	1.385878	0.959494	1.244928	0.034044	0.053611	0.03861	4.666142	1.074727	265.4185	1.85E-28	3.91E-27
LOC114303639	1.295025	1.567016	1.72022	0.73786	0.525636	0.717266	1.105474	0.842507	30.61333	3.12E-07	1.08E-06
LOC114303642	4.255378	4.232814	4.824254	1.858711	2.044577	1.818643	1.108933	2.677586	110.0548	3.08E-17	2.63E-16
LOC114303671	0.746803	1.093168	1.107733	3.52964	3.580789	4.208262	-2.05891	0.975335	115.5473	9.08E-18	8.12E-17
LOC114303726	0.356609	0.677601	0.661199	1.742177	1.27603	1.286575	-1.43959	0.477663	40.83555	7.64E-09	3.14E-08
LOC114303738	0.969269	0.60633	1.088642	0.117464	0.061658	0.088811	3.201611	-0.33158	63.17924	5.51E-12	3.02E-11
LOC114303743	163.7606	172.5781	162.001	74.37812	75.58051	80.58152	1.006182	6.23305	795.815	5.81E-37	2.34E-35
LOC114303767	0.655915	0.608225	0.551109	1.33261	1.87761	1.325719	-1.42386	-0.18413	26.15919	1.79E-06	5.68E-06
LOC114303784	1.197012	0.644616	0.943518	0.28382	0.372451	0.393411	1.284761	-0.25368	17.29871	7.34E-05	0.000188
LOC114303789	1.671467	1.378416	1.965842	4.750219	4.751018	5.209288	-1.65768	2.100527	166.1335	4.52E-22	5.74E-21
LOC114303809	3.180757	1.979264	4.138615	0.608637	0.47922	0.115043	2.880297	-0.44117	48.41157	7.87E-10	3.55E-09
LOC114303820	0.643519	1.102654	1.014479	0.101722	0	0.076909	3.805942	-0.65706	55.92434	5.29E-11	2.66E-10
LOC114303822	0.230613	0.548193	0.253385	1.583697	1.797075	1.690427	-2.41509	0.303704	89.08837	4.59E-15	3.31E-14
LOC114303883	2.027451	2.238143	1.179342	1.156249	0.796593	0.437102	1.135386	0.108916	16.29128	0.000143	0.000352
LOC114303987	7.514771	7.037383	6.499159	3.381315	2.71558	3.425723	1.044422	2.068653	64.39312	3.84E-12	2.14E-11
LOC114304004	1.302958	1.117812	1.113478	0.413555	0.532832	0.397952	1.281415	0.35865	28.70582	6.53E-07	2.18E-06
LOC114304012	4.676616	5.337341	5.487153	1.000147	0.514892	0.814349	2.649773	2.100868	293.7071	8.5E-30	1.98E-28
LOC114304030	2.825796	3.266314	3.242201	0.227292	0.178962	0.206218	3.808102	1.07423	233.9023	1.19E-26	2.2E-25
LOC114304049	5.390258	5.216287	5.73222	2.479145	2.354788	2.528961	1.043596	2.472507	85.39833	1.18E-14	8.16E-14
LOC114304073	2.918589	2.731491	2.45714	1.033534	1.139278	0.937709	1.275929	0.661703	35.84036	4.41E-08	1.68E-07
LOC114304094	1.932645	1.332339	1.473434	0.430188	0.395168	0.596296	1.61441	-0.17421	27.86576	9.08E-07	2.98E-06
LOC114304116	9.419719	11.14773	10.40264	3.756657	4.53998	3.566882	1.271184	2.183007	97.54035	5.71E-16	4.41E-15
LOC114304200	1.247818	0.59789	0.904297	2.123525	2.507989	2.663726	-1.50407	0.969123	62.8003	8E-12	4.33E-11
LOC114304208	0.041923	0.036715	0.046063	0.321771	0.286688	0.416139	-3.12856	0.346183	138.8123	7.23E-20	7.68E-19

LOC114304222	0.364665	0.424299	0.480807	0	0	0	7.750538	-0.64776	87.39292	8.6E-15	6.03E-14
LOC114304227	3.367219	2.317016	2.877547	1.303547	1.115618	0.857019	1.306623	1.956848	80.77822	1.82E-13	1.14E-12
LOC114304275	3.778798	2.836612	3.300246	9.511171	8.944928	11.71884	-1.70847	2.083008	169.0936	2.69E-22	3.49E-21
LOC114304314	3.087753	2.05257	2.289012	4.733841	5.111681	4.652848	-1.05922	1.59818	51.65353	1.94E-10	9.31E-10
LOC114304322	1.178963	1.102508	1.295376	18.52548	18.67624	20.76266	-4.12287	3.99162	2505.235	5.09E-67	2.02E-64
LOC114304321	2.96395	2.661974	2.675077	26.42652	26.26171	28.61255	-3.39382	3.709732	1745.21	2.61E-60	6.1E-58
LOC114304363	11.81427	12.18477	10.77654	2.946997	2.929462	3.314351	1.80841	3.437866	482.7721	9.81E-38	4.18E-36
LOC114304411	1.838781	1.690174	1.772956	0.750374	0.698241	0.876791	1.073844	0.156191	18.12588	5.11E-05	0.000134
LOC114304418	0.337158	0.18982	0.092612	5.516036	5.12732	5.213135	-4.70595	0.993453	334.6389	6.4E-32	1.75E-30
LOC114304421	2.226221	1.850198	2.096607	7.66015	7.624531	7.758569	-2.00031	2.496514	303.9651	1.84E-30	4.49E-29
LOC114304439	0.921008	0.95728	1.037897	0.214645	0.202805	0.032457	2.622521	-0.28431	51.21922	2.24E-10	1.07E-09
LOC114304451	1.74467	1.366605	1.396034	0	0.027143	0.026064	5.994647	0.413649	189.0054	9.66E-24	1.42E-22
LOC114304454	1.783135	2.007806	1.843958	1.089553	0.707749	0.844373	1.007431	1.511408	41.33438	6.19E-09	2.56E-08
LOC114304506	2.549137	2.084761	2.845068	0.658498	0.710509	0.774465	1.686474	1.878133	130.5266	3.81E-19	3.81E-18
LOC114304501	3.528025	2.804152	4.241225	1.584467	1.544594	1.59729	1.054628	0.956064	30.29881	3.53E-07	1.21E-06
LOC114304498	0.468548	0.362714	0.38611	0.692036	1.005943	1.046455	-1.28785	-0.43567	18.05076	5.28E-05	0.000138
LOC114304534	0.193784	0.181834	0.10646	4.227187	4.992518	5.459916	-4.9947	1.264787	427.3192	9.31E-36	3.41E-34
LOC114304544	0.673716	0.672398	0.841182	0.027834	0.043831	0.021044	4.349612	-0.21121	96.72778	6.94E-16	5.31E-15
LOC114304581	0	0	0	1.805082	1.421261	1.417259	-8.06169	-0.66664	130.5217	5.24E-19	5.19E-18
LOC114304584	0.419979	0.433487	0.397358	0.148448	0.133581	0.160339	1.38211	-0.27769	20.25503	2.04E-05	5.66E-05
LOC114304617	0.768529	1.006235	0.88369	0.227427	0.281393	0.442158	1.327211	0.154705	25.36465	2.46E-06	7.68E-06
LOC114304635	2.50603	2.477665	3.089271	0	0	0	8.091146	-0.35593	112.2007	2.49E-17	2.14E-16
LOC114304663	1.44049	1.446638	2.866018	4.317074	3.733459	3.638567	-1.12298	1.203268	37.0172	1.34E-07	4.84E-07
LOC114304669	2.671935	2.005729	2.392106	6.835919	9.348333	8.432704	-1.90977	1.718069	164.3862	6.14E-22	7.74E-21
LOC114304692	1.149875	1.485162	0.966141	0	0.048406	0.092964	4.308577	-0.57972	68.42482	1.19E-12	6.92E-12
LOC114304697	5.28188	5.234795	5.937141	18.05262	16.23464	17.76382	-1.76492	3.847341	688.3191	1.1E-43	7.18E-42

LOC114304703	8.534156	7.776712	8.603486	27.9884	28.77419	29.8675	-1.90381	3.698715	728.4459	1.16E-44	8.09E-43
LOC114304718	1.182744	1.272136	1.221946	0.192539	0.277931	0.291146	2.124548	0.454529	71.58516	4.86E-13	2.93E-12
LOC114304720	1.609955	1.641786	1.268285	2.871391	3.173867	2.964211	-1.10031	1.200742	43.85939	2.59E-09	1.11E-08
LOC114304743	0.481247	0.402939	0.610115	6.482654	5.298502	5.749321	-3.64433	2.985391	995.3934	9.18E-50	9.35E-48
LOC114304839	4.206669	4.156696	4.181849	1.820708	2.170826	1.69123	1.033263	1.713007	51.10116	2.32E-10	1.11E-09
LOC114304836	2.2581	2.188067	2.179584	4.317423	4.332939	4.544016	-1.09957	4.487199	386.8006	3.58E-34	1.15E-32
LOC114304843	0.084815	0.068215	0.133128	4.184836	4.144762	4.046625	-5.51255	2.424222	989.3792	5.01E-50	5.19E-48
LOC114304844	0.091591	0.171886	0.26836	7.714331	7.996712	7.343167	-5.52557	1.984517	729.2724	1.11E-44	7.75E-43
LOC114304845	4.211202	4.109563	2.776214	13.43915	15.13562	16.33467	-2.12319	1.619035	185.5979	1.68E-23	2.43E-22
LOC114304855	0.037928	0.128119	0.187527	0.930766	1.085709	0.964362	-3.18532	-0.12894	96.78029	6.86E-16	5.25E-15
LOC114304856	2.254261	1.968472	2.123015	0.585406	1.185247	0.948446	1.077172	0.120758	17.28628	7.38E-05	0.000189
LOC114304857	2.410679	2.895381	2.737004	0	0	0.110441	5.564278	-0.68425	75.80513	1.51E-13	9.5E-13
LOC114304985	0.377005	0.515473	0.621347	1.2238	0.84795	0.925278	-1.07176	-0.16726	15.16323	0.00019	0.000459
LOC114305021	2.257387	1.596022	2.018837	7.348175	6.311679	6.060799	-1.82969	1.319831	119.7864	3.62E-18	3.35E-17
LOC114305050	4.951665	5.428839	5.512188	0.769843	0.419641	0.537282	3.120554	1.489376	252.1229	1.02E-27	2.03E-26
LOC114305058	4.030011	2.88768	3.673178	0.083248	0.131094	0.251766	4.28804	0.415439	153.6119	4.3E-21	5.05E-20
LOC114305069	0	0	0	6.042342	5.186496	7.077325	-10.5438	1.780487	746.2461	3.55E-43	2.24E-41
LOC114305085	0.865905	0.780006	1.277602	5.171913	4.178421	4.318361	-2.31728	1.776128	229.353	2.75E-26	4.92E-25
LOC114305172	1.955859	2.351601	2.367525	0	0.047448	0	6.568995	0.188707	163.1266	7.68E-22	9.59E-21
LOC114305177	0.534688	0.602058	1.091042	2.152213	1.9679	2.519572	-1.68818	0.276784	48.17504	6.06E-10	2.77E-09
LOC114305182	21.67795	23.89814	19.45383	7.117954	9.99052	8.423483	1.226881	3.00679	151.9766	5.07E-19	5.02E-18
LOC114305184	2.348064	2.754078	2.902405	6.491466	4.621051	5.445864	-1.14102	1.364203	51.11692	2.31E-10	1.1E-09
LOC114305208	0.34965	0.447392	0.314325	1.155639	1.02365	1.004805	-1.61275	0.486179	54.00685	9.17E-11	4.52E-10
LOC114305218	0.930488	0.765647	0.9044	1.886629	1.485468	1.721545	-1.05582	0.178976	19.73167	2.55E-05	7E-05
LOC114305235	2.40267	2.705401	2.089932	0.272977	0.071644	0.068796	4.057838	-0.18815	90.88186	2.93E-15	2.14E-14
LOC114305324	13.75958	15.02846	13.60641	0	0	0	10.31025	1.671365	547.5621	2.51E-39	1.21E-37

LOC114306056	0.065083	0.048856	0.214529	2.090135	2.018314	2.027539	-4.29605	0.603584	229.2575	2.28E-26	4.1E-25
LOC114312073	0.306897	0.172783	0.273976	13.04055	12.68362	13.26033	-5.76797	3.419338	2264.943	3.87E-65	1.37E-62
LOC114319233	2.393393	2.882105	2.830603	1.027263	0.8802	1.07365	1.333397	1.776585	83.06233	2.16E-14	1.46E-13
LOC114320327	1.607811	1.868791	2.051499	0.282843	0.742337	1.211812	1.111164	-0.2338	13.19403	0.000472	0.001074
LOC114322995	25.41654	26.40165	25.66193	0.083248	0.262187	0.125883	7.149446	3.082438	1478.801	2.85E-57	5.52E-55
LOC114260717	8.716519	8.429874	8.49022	2.089995	1.836939	1.506685	2.148627	2.552237	308.6514	1.08E-30	2.7E-29
LOC114256532	1.46236	1.796307	1.801515	0.322219	0.317131	0.548146	1.934797	-0.30305	33.8669	9.14E-08	3.36E-07
LOC114288520	5.398508	4.641922	4.637406	1.427422	0.983416	0.809423	2.111786	0.028025	50.47903	2.84E-10	1.34E-09
LOC114291234	0.545238	0.641223	0.625701	0.088102	0.052026	0.066611	3.018816	-0.0786	75.46075	1.66E-13	1.04E-12
LOC114291457	2.570913	3.568061	3.021846	5.868997	4.792201	6.656056	-1.03049	1.19078	37.00556	2.89E-08	1.12E-07
LOC114296720	1.426547	1.63758	1.516517	0.134712	0.278428	0.101852	3.02025	1.514654	229.119	2.03E-25	3.43E-24
LOC114302297	1.010393	0.736159	1.044857	0.324126	0.340275	0.530967	1.088769	-0.38071	11.93699	0.000845	0.00184
LOC114302804	5.317674	5.160123	6.222767	1.964753	1.794497	2.257945	1.35881	1.44583	69.7135	8.25E-13	4.87E-12
LOC114306259	1.494074	1.56071	1.760271	0.589003	0.644113	0.519549	1.348764	0.944889	48.41862	5.59E-10	2.56E-09
LOC114306435	1.109392	1.035351	1.054214	0.436038	0.243186	0.357148	1.543928	1.149092	69.22663	9.47E-13	5.56E-12
LOC114308499	0.37052	0.273341	0.37201	0.011613	0.045717	0.03512	3.251237	-0.01745	83.99356	1.7E-14	1.16E-13
LOC114308539	0.185437	0.193887	0.247407	1.540988	1.23228	1.074071	-2.69462	0.784773	151.1982	6.74E-21	7.77E-20
LOC114309617	0.043799	0.049317	0	3.264345	2.38217	2.829254	-6.29594	-0.00732	195.6295	3.37E-24	5.11E-23
LOC114310204	3.974271	3.420194	3.789669	7.714749	7.760521	8.388435	-1.19869	3.653646	297.9699	3.65E-30	8.78E-29
LOC114310687	1.042774	1.083841	1.880187	0.194418	0.535774	0.440981	1.597953	0.104635	30.02036	6.39E-07	2.14E-06
LOC114310756	0	0	0	4.700827	4.565643	4.894941	-10.9867	2.230505	1060.602	1.51E-50	1.66E-48
LOC114311086	59.42897	61.49119	62.765	2.348505	1.199438	1.679654	5.061191	4.726788	3434.344	5.88E-55	8.94E-53
LOC114311291	10.83183	9.939976	9.568295	28.71146	24.10898	24.46234	-1.44734	4.52483	582.1484	3.61E-37	1.47E-35
LOC114314010	0.939807	0.671886	0.819528	0.32541	0.384325	0.389551	1.029629	0.359924	19.21755	3.18E-05	8.6E-05
LOC114314071	0	0	0.031088	1.182984	1.174427	1.011082	-6.36045	-0.67317	120.2668	3.26E-18	3.03E-17
LOC114316906	1.125734	1.041222	1.303153	3.654256	3.049873	3.425962	-1.64217	1.790922	136.598	1.12E-19	1.17E-18

LOC114316945	2.345019	2.085984	2.009724	5.328531	5.403812	5.511318	-1.43667	2.306815	150.6121	7.52E-21	8.62E-20
LOC114316951	2.645553	1.88905	3.11947	7.741546	6.372498	7.715514	-1.60515	1.229604	87.60697	6.69E-15	4.74E-14
LOC114316769	3.628759	3.458348	3.037172	8.230036	7.310413	7.426328	-1.27941	3.890523	367.9292	5.2E-33	1.54E-31
LOC114317189	0.402824	0.289787	0.55325	0.040681	0.048047	0	3.692821	-0.49521	60.70673	1.85E-11	9.68E-11
LOC114317669	2.655917	2.180032	2.563623	0.045121	0	0	7.141791	0.70218	249.4006	1.47E-27	2.87E-26
LOC114317825	0.803957	0.838198	0.883341	3.843072	4.048747	4.542605	-2.40821	1.365664	200.2451	1.64E-24	2.55E-23
LOC114318138	2.898336	3.211717	3.133974	0	0	0	8.694235	0.178271	175.0971	1.49E-22	1.97E-21
LOC114319328	1.847002	1.412155	1.628513	0.310881	0.163185	0.250718	2.673333	1.360333	184.0841	2.15E-23	3.08E-22
LOC114320278	1.419029	1.456839	1.284002	3.034754	2.26999	2.753382	-1.04353	0.605871	26.15807	1.79E-06	5.69E-06
LOC114320150	6.134157	5.697054	6.985835	0	0	0	9.759269	1.151791	369.8606	4.23E-33	1.25E-31
LOC114320920	7.491751	6.052277	7.316889	3.285773	3.199844	3.203406	1.004054	2.698487	91.7133	2.38E-15	1.75E-14
LOC114321624	9.284769	9.260153	9.936138	1.603797	1.638602	1.761131	2.397405	3.981238	1094.136	8.03E-52	1E-49
LOC114321333	2.652091	3.131526	2.913963	0.65149	1.06696	1.182173	1.439196	2.048548	105.5302	2.26E-16	1.8E-15
LOC114321697	0.932187	0.805538	1.000413	0.039408	0	0	5.904422	-0.39613	98.31186	4.74E-16	3.69E-15
LOC114321908	0.629968	0.520185	0.622955	2.519374	1.863448	2.395459	-2.02081	1.060921	118.8036	4.47E-18	4.1E-17
LOC114322003	0.552908	0.622573	0.486003	2.613229	2.690667	2.963675	-2.40974	-0.08828	71.25173	5.34E-13	3.2E-12
LOC114322252	1.116866	0.789075	0.890283	0.039809	0.031344	0.030098	4.581667	-0.35508	89.31948	4.33E-15	3.12E-14
LOC114322358	0.627781	0.201966	0.369519	1.018923	1.283625	1.170973	-1.61403	0.135245	38.65146	2.04E-08	8.02E-08
LOC114322753	1.553273	1.644043	1.570114	4.913016	3.646025	3.970761	-1.48202	1.510184	93.23306	1.63E-15	1.21E-14
LOC114322942	0.493812	0.506606	0.482286	1.077194	1.020917	0.950173	-1.13654	1.090133	43.9062	2.55E-09	1.09E-08
LOC114323271	0.052866	0.059527	0.174257	2.114212	2.042991	1.961785	-4.4145	-0.65228	97.36754	5.95E-16	4.59E-15
LOC114256745	0.220037	0.195601	0.190866	0.884184	0.91166	0.732172	-2.14416	0.482303	88.554	5.26E-15	3.77E-14
LOC114257003	2.4323	2.860487	2.820939	0.098255	0.038681	0.037144	5.416765	0.728787	231.7643	1.6E-26	2.93E-25
LOC114257226	0.945983	1.198321	1.47247	1.970407	2.425875	2.275277	-1.00604	1.426874	41.20613	6.48E-09	2.68E-08
LOC114257980	1.160448	0.928418	1.191149	0.305321	0.185763	0.304294	1.94905	1.468761	124.6542	1.29E-18	1.23E-17
LOC114258719	1.585973	1.830447	0.566337	9.0815	5.674975	5.885355	-2.44077	1.661096	34.98395	0.002553	0.005152

LOC114258713	3.585678	2.329307	2.424452	8.39835	7.00736	6.539283	-1.46998	1.172821	70.65284	6.32E-13	3.77E-12
LOC114261138	1.223695	1.679289	1.680656	0.417086	0.273666	0.367904	2.000457	-0.24931	36.87552	3.03E-08	1.17E-07
LOC114261154	5.167121	3.969403	4.403911	1.843467	1.036774	1.991128	1.380563	1.005017	49.82293	3.52E-10	1.65E-09
LOC114260873	0.212357	0.263025	0.396654	2.277562	1.975643	2.33491	-3.01679	0.845087	187.6518	1.2E-23	1.76E-22
LOC114261618	11.41325	11.84921	11.51093	0.170292	0.156429	0.17167	6.000573	3.482431	1985.271	1.09E-62	2.98E-60
LOC114262276	17.21413	16.63944	16.7567	4.429345	3.863869	4.047584	1.936807	4.154898	843.0246	3.35E-47	2.76E-45
LOC114262298	0.796799	0.598129	0.915271	0.21946	0.241914	0.248891	1.582868	0.440299	42.89667	3.6E-09	1.53E-08
LOC114262822	0.073857	0.041581	0.020287	1.577533	1.162813	1.446496	-4.92417	0.251902	204.3287	8.76E-25	1.39E-23
LOC114263215	0.67499	0.488595	0.450281	0	0	0	8.123407	-0.33309	111.899	2.66E-17	2.28E-16
LOC114262970	4.122799	3.938099	3.728253	0.31578	0.447542	0.334252	3.302038	2.489776	526.5871	3.63E-39	1.73E-37
LOC114263850	0.101119	0.11386	0.111104	6.157851	6.947083	6.948903	-5.95611	1.041061	418.0229	2.1E-35	7.45E-34
LOC114265214	6.717657	5.464652	6.266293	0.398743	0.353201	0.188423	4.21041	1.85909	433.2888	5.58E-36	2.08E-34
LOC114265334	0	0	0	11.56104	9.752972	11.34242	-9.89782	1.132479	495.9522	1.02E-37	4.32E-36
LOC114265743	7.008615	6.810084	6.058893	17.97885	17.46579	18.82521	-1.55295	3.412705	412.0268	3.57E-35	1.25E-33
LOC114266934	0.954308	1.529866	1.332887	0.147014	0.277809	0.222305	2.397449	0.579307	85.8252	1.5E-14	1.03E-13
LOC114267770	2.071677	1.683258	1.888243	0.89869	0.657056	0.728006	1.219409	1.788876	70.90904	5.88E-13	3.51E-12
LOC114267920	0.153048	0.114888	0.056053	0.741905	0.705849	0.607676	-2.71267	-0.44024	63.32465	5.27E-12	2.9E-11
LOC114267953	0	0	0	4.533761	4.555403	5.090597	-10.7264	1.965012	882.7223	2.34E-47	1.95E-45
LOC114268264	9.929231	8.232255	8.901415	0	0	0	10.1449	1.511249	485.2864	2.27E-37	9.43E-36
LOC114268368	0	0	0	2.030293	1.726471	1.842052	-9.11225	0.346639	283.0138	4.21E-29	9.33E-28
LOC114268693	0.268485	0.177831	0.26029	0.77515	0.655537	0.651186	-1.63304	-0.10415	35.94095	4.25E-08	1.62E-07
LOC114269151	0.071576	0	0	4.684045	3.380721	4.328457	-6.89429	-0.16987	179.2084	4.82E-23	6.68E-22
LOC114269856	0.572155	0.429497	0.607695	2.842873	3.19379	2.857142	-2.56365	1.496621	236.833	7.96E-27	1.48E-25
LOC114270328	4.952239	4.555564	4.688204	0.200944	0.063287	0.091157	5.256364	1.760674	484.8444	8.34E-38	3.58E-36
LOC114271437	1.387542	1.341428	1.616947	10.64973	9.448437	9.419609	-2.86267	3.634485	1261.358	2.21E-54	3.24E-52
LOC114271544	0.017288	0.048666	0.037991	2.514162	2.548692	2.518668	-6.26509	2.189443	910.6497	1.47E-48	1.35E-46

LOC114271535	0	0	0	2.052798	1.928223	1.82435	-9.33926	0.572437	334.2982	1.45E-31	3.86E-30
LOC114272202	0.376669	0.455545	0.367877	1.546952	1.27792	0.920344	-1.71962	0.862169	73.89137	2.89E-13	1.78E-12
LOC114272257	0.867698	0.651351	0.685762	0	0.010894	0	7.104378	0.664834	238.5212	6.32E-27	1.18E-25
LOC114273398	1.579947	1.8048	1.937224	0.457865	0.163867	0.566473	2.051693	0.613281	70.23351	8.99E-13	5.28E-12
LOC114273676	1.419415	1.283847	1.585138	4.272206	4.163109	3.869707	-1.61939	1.86777	140.9242	4.78E-20	5.14E-19
LOC114274315	2.043938	1.906932	2.309925	5.732508	4.43	5.217064	-1.38774	0.932467	56.46195	4.24E-11	2.15E-10
LOC114276654	0.272423	0.237482	0.270356	0.527166	0.566008	0.48312	-1.11172	0.486641	27.42652	1.08E-06	3.51E-06
LOC114276894	1.325873	1.662582	1.8541	0	0	0	8.368229	-0.11015	135.1209	2.09E-19	2.15E-18
LOC114276885	1.145571	0.869287	1.176598	0.226352	0.106933	0.102683	2.804875	-0.25285	58.94833	1.97E-11	1.03E-10
LOC114277190	0.208456	0.247761	0.292661	0.505248	0.596723	0.44567	-1.15385	0.069761	21.21691	1.36E-05	3.86E-05
LOC114277194	0.847912	1.468842	1.146629	3.379119	3.080701	2.778959	-1.52019	1.002294	66.70478	1.96E-12	1.12E-11
LOC114277564	8.692352	8.654272	8.042653	0.027721	0	0.041918	8.27328	3.055062	1451.757	6.19E-57	1.13E-54
LOC114282048	3.705215	4.067046	3.977915	1.40257	1.237828	1.188626	1.520066	3.203253	298.6533	3.38E-30	8.12E-29
LOC114283197	0.627928	0.556103	0.596906	0	0	0	9.0276	0.476359	223.0089	9.62E-26	1.66E-24
LOC114283207	2.005514	1.610281	1.850232	3.999466	3.694072	3.837995	-1.1745	3.355632	230.0689	2.03E-26	3.68E-25
LOC114283304	0.613558	0.505986	0.503233	0.219926	0.111319	0.190034	1.556905	0.425994	41.1715	6.56E-09	2.71E-08
LOC114283460	0.2923	0.246847	0.240872	0.096609	0.085575	0.146086	1.122526	-0.09941	15.79793	0.000143	0.000352
LOC114284332	0.123751	0.162568	0.203956	1.274763	1.712203	1.70084	-3.36593	0.374427	155.668	2.95E-21	3.52E-20
LOC114284599	3.937721	3.504753	3.488774	14.0883	13.32016	15.04451	-2.06056	4.711836	1320.779	3.25E-55	5.06E-53
LOC114284999	6.834399	6.704429	7.338575	0.094119	0	0	7.573252	1.10202	344.9933	2.18E-32	6.15E-31
LOC114285743	0.43313	0.330942	0.322931	1.377868	0.952044	0.956723	-1.65949	0.542732	57.32259	3.25E-11	1.66E-10
LOC114286014	0.105855	0.039731	0.135692	1.699764	1.641357	1.188148	-4.04779	0.472683	195.0293	3.7E-24	5.59E-23
LOC114286525	2.99822	3.12821	3.362271	0.312513	0.305117	0.340246	3.193826	2.926051	727.9283	1.2E-44	8.29E-43
LOC114286708	3.758444	3.563789	5.361182	1.678079	1.887519	1.903117	1.091785	0.56067	24.10741	4.1E-06	1.24E-05
LOC114286763	3.417421	2.686346	2.597704	1.484691	1.230522	1.152071	1.085138	1.59282	49.44787	3.98E-10	1.85E-09
LOC114287085	1.542793	1.498973	1.666785	0.609679	0.731139	0.702077	1.087684	2.724958	110.9056	2.55E-17	2.19E-16

LOC114287287	3.083837	3.472393	3.581959	0	0.126111	0	5.765388	-0.51407	88.81755	4.92E-15	3.53E-14
LOC114288221	0.277984	0.344311	0.366519	1.364379	1.193629	1.146184	-1.99232	-0.17372	48.59157	5.28E-10	2.42E-09
LOC114288293	0.146754	0.275408	0.304573	0.563187	0.676821	0.69474	-1.54071	-0.19936	29.32554	5.13E-07	1.73E-06
LOC114288851	0.461227	1.038681	0.506769	1.770015	1.7604	1.619992	-1.46958	-0.41369	22.48114	8E-06	2.34E-05
LOC114289114	3.947263	3.551106	4.135821	7.95214	6.84369	7.298741	-1.02278	3.077442	139.4372	6.39E-20	6.81E-19
LOC114290152	1.590022	1.602662	1.451157	0.512809	0.385415	0.405343	1.742997	1.275201	94.99407	1.06E-15	8E-15
LOC114290161	1.517859	1.259341	1.492184	9.323178	8.312664	8.871604	-2.7335	4.30866	1681.531	1.26E-59	2.84E-57
LOC114291089	0.45782	0.436747	0.537959	0.011559	0.036404	0.034957	3.893818	0.395496	141.173	4.55E-20	4.9E-19
LOC114292128	2.252971	2.219735	3.71315	0	0	0	8.487796	-0.00598	137.0331	5.14E-18	4.68E-17
LOC114291783	0.115898	0.087001	0	2.59841	2.598847	3.451288	-5.38016	0.232664	208.985	4.33E-25	7.08E-24
LOC114292191	0.615667	0.481417	0.488554	0.963732	0.954633	1.198745	-1.07885	0.525309	26.35244	1.65E-06	5.28E-06
LOC114292332	0.60582	0.586651	0.718891	1.563807	1.40471	1.748542	-1.40957	1.48926	85.20873	1.24E-14	8.56E-14
LOC114291883	0.291426	0.328145	0.320202	1.165474	1.209637	1.481985	-2.14163	-0.2005	54.0504	9.04E-11	4.46E-10
LOC114292342	0.894815	0.762477	1.009742	0.263775	0.484605	0.398865	1.072816	-0.17193	13.71166	0.000369	0.000853
LOC114293961	32.73569	33.05122	31.79371	0.28382	0.446941	0.46494	6.198089	4.219651	3224.666	9.32E-72	4.78E-69
LOC114294023	0.361213	0.469298	0.335821	1.186968	0.994233	1.107467	-1.59315	0.727105	62.59428	6.55E-12	3.57E-11
LOC114295429	1.6092	1.510799	1.699526	0.251198	0.312627	0.251188	2.449379	2.669793	414.9203	2.76E-35	9.7E-34
LOC114295951	0.601551	0.409557	0.67632	1.118942	1.041202	1.019043	-1.00567	0.84993	28.29867	7.66E-07	2.54E-06
LOC114296208	10.8963	10.72693	10.39988	20.06767	21.15526	22.95552	-1.11075	4.582262	397.386	1.34E-34	4.48E-33
LOC114296250	0.428728	0.241374	0.336473	0.779352	0.525973	0.841778	-1.17269	0.119477	21.97663	9.88E-06	2.86E-05
LOC114297499	0.359803	0.247584	0.285516	1.344451	1.702304	1.662113	-2.50067	1.525058	228.0805	2.69E-26	4.82E-25
LOC114297535	0.025153	0.028322	0.193458	1.73751	2.484104	2.005089	-4.73316	0.401737	203.4213	1.68E-23	2.43E-22
LOC114297144	0.223211	0.219918	0.398533	0.862235	0.898538	1.207951	-1.93801	0.504212	72.04784	4.27E-13	2.58E-12
LOC114298384	2.696771	2.888031	3.124091	0.932493	1.006922	1.289197	1.306258	2.056449	95.10248	1.03E-15	7.8E-15
LOC114298395	0.486416	0.575089	0.561168	1.812647	1.392407	1.571046	-1.64759	0.445782	54.7465	7.26E-11	3.6E-10
LOC114298801	0.009399	0.021167	0.010327	0.478404	0.390132	0.497347	-5.1078	0.606806	273.5056	6.76E-29	1.48E-27

LOC114299049	3.95989	3.955412	4.182475	1.439675	1.407798	1.334284	1.428953	2.685337	179.3187	4.73E-23	6.57E-22
LOC114299948	0.107061	0.166916	0.135729	0.703617	0.766176	0.531983	-2.38668	0.589996	108.6911	4.2E-17	3.54E-16
LOC114300211	0.487334	0.320097	0.245417	1.439565	1.598477	1.646572	-2.23948	0.547779	97.28835	6.06E-16	4.66E-15
LOC114300270	2.272361	2.135936	2.909243	4.238506	4.694786	4.997013	-1.04273	2.457552	84.86368	1.35E-14	9.32E-14
LOC114300135	0.474394	0.534166	0.396139	1.379781	0.977754	1.069291	-1.36624	0.402701	36.94082	2.96E-08	1.15E-07
LOC114300288	2.864028	2.839005	2.420636	1.112455	0.945983	0.942025	1.341994	1.245527	59.20401	1.82E-11	9.55E-11
LOC114302513	0.573347	0.507247	0.566964	0.17867	0.175849	0.157602	1.581563	0.509308	46.81934	9.51E-10	4.25E-09
LOC114303464	0.868447	1.051671	1.170245	2.323344	2.13421	2.09442	-1.18798	1.592791	65.65161	2.66E-12	1.5E-11
LOC114302646	3.910231	3.6991	3.849132	0.924846	1.040275	1.038883	1.816201	2.335864	209.727	3.87E-25	6.36E-24
LOC114303751	0.178516	0.47237	0.166721	0.454314	0.664322	0.601113	-1.21615	0.572844	12.7573	0.004175	0.008102
LOC114303035	1.470951	1.277708	1.477665	0.101864	0.060153	0.057762	4.168696	0.773057	202.9987	1.07E-24	1.69E-23
LOC114303077	0.462438	0.548851	0.604228	0	0	0	8.056461	-0.3842	109.0722	4.99E-17	4.18E-16
LOC114303771	1.119714	1.33496	1.555938	0.179598	0.235682	0.271577	2.382374	-0.28203	46.82682	9.48E-10	4.24E-09
LOC114303925	2.173244	2.118357	2.06708	0.058964	0.23213	0.178323	3.54814	0.2334	114.4062	1.17E-17	1.03E-16
LOC114304133	0.639842	0.548922	0.669543	1.163118	1.351895	1.130655	-1.07259	-0.05319	17.16275	7.79E-05	0.000199
LOC114305433	3.885827	3.896612	3.882847	0.746357	0.545681	0.866601	2.324908	2.258817	283.7688	1.94E-29	4.43E-28
LOC114305458	5.953052	6.09846	6.625156	1.589769	1.668974	1.771333	1.778481	2.955874	319.643	3.2E-31	8.32E-30
LOC114305470	6.2754	5.470519	6.402541	0	0	0	11.33792	2.654104	1087.815	5.45E-51	6.31E-49
LOC114305489	1.008438	0.692847	0.901434	0.279635	0.513741	0.352372	1.054875	0.261306	18.0729	5.23E-05	0.000137
LOC114305552	1.775928	1.032099	2.14012	2.186926	2.623867	4.330514	-1.01467	0.37867	18.09277	7.01E-05	0.000181
LOC114305582	1.689469	2.338941	1.886722	0.755202	0.594621	1.294233	1.022738	0.717766	22.55362	8.89E-06	2.59E-05
LOC114305695	51.23574	51.44102	48.45326	325.5405	344.2818	330.3549	-2.83176	7.075255	6701.967	9.79E-82	1.48E-78
LOC114305700	0.316844	0.356765	0.348129	0.939732	0.883123	1.168892	-1.65981	0.329332	51.17951	2.27E-10	1.08E-09
LOC114306010	0.679703	0.854634	0.85884	0	0.064857	0.046709	4.145828	0.298056	131.7736	2.95E-19	2.99E-18
LOC114306054	2.193521	2.377278	2.018469	0.448586	0.51018	0.716009	1.836535	0.693937	67.30485	1.64E-12	9.44E-12
LOC114306106	1.713275	1.66436	1.402608	5.526584	5.745833	5.471273	-1.91057	2.713867	329.4404	1.11E-31	2.97E-30

LOC114306203	24.97721	22.69118	24.68876	63.67754	60.53069	68.03968	-1.51472	5.836091	1544.969	4.28E-57	8.14E-55
LOC114306256	4.039438	4.538246	4.765228	1.573495	1.458309	1.375558	1.496816	3.301322	307.934	1.17E-30	2.93E-29
LOC114306377	1.553273	1.632383	1.319806	0.075295	0.029642	0.056928	4.655675	0.32395	154.7088	3.52E-21	4.16E-20
LOC114306429	0.108005	0.097291	0.094936	0.981672	0.865688	0.742213	-3.15051	-0.51197	75.26014	1.75E-13	1.1E-12
LOC114306423	1.888001	2.377634	1.99254	0.31611	0.373341	0.358502	2.452456	1.605386	197.1534	2.65E-24	4.06E-23
LOC114306430	2.008899	1.898013	1.54762	6.590066	6.081138	6.950181	-1.94689	2.47447	278.0151	3.89E-29	8.65E-28
LOC114306446	0.599009	0.73069	0.804413	0.151235	0.166708	0.228688	1.81591	-0.13443	34.99297	6.02E-08	2.26E-07
LOC114306630	0	0	0	6.068622	3.772286	4.105323	-8.43138	-0.31169	166.0522	6.93E-22	8.68E-21
LOC114306629	3.992953	4.016477	3.938753	9.710228	11.07456	11.3173	-1.53826	3.665364	470.1807	2.65E-37	1.09E-35
LOC114306638	0.621145	0.789075	0.979968	0.318473	0.296346	0.328347	1.221445	0.194202	22.50081	7.94E-06	2.33E-05
LOC114306690	0.084219	0.075864	0.055521	0.949187	0.916117	0.926002	-3.74167	-0.11668	125.7482	1.02E-18	9.91E-18
LOC114306694	20.39582	25.69316	23.10172	5.195918	4.576475	4.794072	2.144479	3.113338	449.2087	1.76E-34	5.85E-33
LOC114306726	4.786361	4.25939	4.014916	0.140335	0.147326	0	5.415987	1.436544	366.105	2.18E-32	6.16E-31
LOC114306758	3.214239	2.940621	2.86944	0	0	0	8.124968	-0.32824	115.9284	1.1E-17	9.77E-17
LOC114306771	0.778851	0.393131	0.324597	1.025244	1.268524	0.996629	-1.21434	-0.07147	19.83164	2.51E-05	6.89E-05
LOC114306734	0.386563	0.227998	0.364057	0.635778	0.816753	0.809587	-1.31272	-0.08821	24.12127	4.07E-06	1.24E-05
LOC114306796	2.559046	1.877819	2.685361	1.30671	1.02886	0.869409	1.073524	0.918418	30.04997	3.88E-07	1.33E-06
LOC114306805	0.775138	0.763703	0.505683	1.276963	1.35214	1.598024	-1.15584	0.441343	27.82849	9.22E-07	3.02E-06
LOC114306832	1.042974	1.206126	0.960128	0.051242	0	0.038742	4.927054	-0.51124	81.53654	3.23E-14	2.16E-13
LOC114306881	2.457369	2.66323	2.632514	0.670059	0.835338	1.013222	1.48494	0.830387	52.7647	1.36E-10	6.61E-10
LOC114306884	3.811055	3.996743	3.94105	1.731954	1.203249	1.720295	1.236807	2.160587	91.89874	2.27E-15	1.68E-14
LOC114306890	0.642138	0.67014	0.722752	0	0.022417	0	5.941787	-0.36365	102.0924	1.93E-16	1.55E-15
LOC114306901	5.202904	4.784408	5.049706	11.66481	12.3494	14.59969	-1.47185	2.661592	196.1969	3.08E-24	4.69E-23
LOC114307000	0.105546	0.138652	0.09664	1.151187	0.604271	0.822023	-2.96465	-0.22727	81.45521	3.3E-14	2.2E-13
LOC114307056	0.241551	0	0.132701	2.963902	1.642217	2.489907	-4.17389	-0.63462	87.07144	9.38E-15	6.54E-14
LOC114307071	1.073983	0.55814	0.544629	1.95231	1.980601	1.248993	-1.31511	0.878961	36.7194	3.85E-07	1.32E-06

LOC114307231	0.642227	0.53974	0.853929	0.143817	0.153202	0.115132	2.200086	1.449182	139.1119	4.87E-19	4.84E-18
LOC114307232	0.344126	0.311673	0.517841	0.013599	0.053537	0.082255	2.750997	0.001621	65.1805	5.62E-12	3.08E-11
LOC114307202	5.101339	3.339591	4.627428	9.488981	8.405218	9.783179	-1.17685	1.814502	72.128	4.17E-13	2.53E-12
LOC114307241	7.155385	6.413885	6.625648	0	0	0	11.21064	2.530977	998.1643	1.74E-49	1.73E-47
LOC114307260	4.46422	4.569729	7.023104	14.20152	9.874838	14.22349	-1.35414	1.456254	69.16884	2.54E-12	1.44E-11
LOC114307296	0.021296	0.023979	0	0.851661	0.548648	1.024411	-5.54718	-0.71517	105.4424	8.84E-17	7.27E-16
LOC114307340	0.832017	0.733186	0.967167	2.148129	2.019283	2.055029	-1.39721	1.893538	108.8474	4.05E-17	3.42E-16
LOC114307374	1.239973	1.167518	1.550329	0.077726	0.030599	0.014692	4.956785	1.01969	261.199	3.17E-28	6.54E-27
LOC114307418	1.359784	1.228672	1.291156	0	0.024028	0.023073	5.950081	0.376058	186.5338	1.44E-23	2.1E-22
LOC114307424	0.08181	0.110542	0.107866	0.337091	0.405928	0.352313	-1.97937	0.410235	73.48814	2.86E-13	1.76E-12
LOC114307477	0.440387	0.285128	0.362904	0.860586	1.087306	0.89277	-1.48213	0.885528	60.36656	1.28E-11	6.8E-11
LOC114307491	3.440696	3.380686	3.106219	1.234979	0.721444	1.355415	1.484285	1.638944	87.88476	6.87E-15	4.86E-14
LOC114307552	1.756899	1.528659	1.462408	0	0	0	8.529605	0.027513	154.5812	5.28E-21	6.14E-20
LOC114307562	0.723976	0.851426	0.830816	0.029246	0.023027	0.022112	4.795803	-0.16605	108.419	4.47E-17	3.76E-16
LOC114307796	0	0.014804	0	0.955974	1.486586	1.301009	-7.64395	0.552058	302.8912	2.94E-30	7.09E-29
LOC114307931	1.140977	0.82355	1.478651	3.190911	2.889278	2.492969	-1.40342	1.078125	60.28986	1.31E-11	6.95E-11
LOC114308031	5.543847	5.302649	5.305287	3.034153	1.919724	2.253067	1.084193	2.000203	64.21089	4.06E-12	2.25E-11
LOC114308037	1.244451	0.950847	0.488332	1.93902	1.717559	2.137966	-1.19535	0.018256	20.79298	1.64E-05	4.62E-05
LOC114308138	0.739649	0.659785	0.759911	0.279387	0.164985	0.198034	1.671506	0.642601	55.45337	5.81E-11	2.91E-10
LOC114308275	1.772558	1.72195	1.909396	0.726573	0.646698	0.764299	1.229625	1.181455	49.21577	4.3E-10	1.99E-09
LOC114308348	1.721914	1.477235	1.306338	0	0.02934	0	6.705338	0.305258	179.0321	4.96E-23	6.87E-22
LOC114308316	0.057727	0	0	4.092557	3.718087	3.808318	-7.1174	0.044442	215.5959	1.62E-25	2.75E-24
LOC114308387	0.941672	0.687775	0.894836	0	0.109282	0	4.216505	-0.65987	61.67087	8.64E-12	4.66E-11
LOC114308501	0.320228	0.408653	0.398761	0.077616	0.091668	0.102695	1.902912	-0.39684	30.86058	2.84E-07	9.85E-07
LOC114308567	1.028948	0.717225	0.753699	1.425101	2.033763	1.81824	-1.18412	-0.22292	18.00355	5.39E-05	0.000141
LOC114308768	0.515254	0.560169	0.605175	1.614897	1.144364	1.269814	-1.34605	0.729049	45.61295	1.43E-09	6.27E-09

LOC114308884	42.96343	39.01502	40.94563	159.652	166.3578	165.3138	-2.10432	6.223453	3379.723	1.21E-72	6.66E-70
LOC114308930	0.22555	0.126984	0.123911	0.779019	1.000766	0.929988	-2.57991	-0.4123	60.91324	1.08E-11	5.8E-11
LOC114308960	0	0.030762	0	1.539525	1.564091	1.614565	-6.90484	-0.16333	183.1652	2.5E-23	3.57E-22
LOC114309064	0.617962	0.636855	0.966684	1.447019	1.544098	1.871397	-1.25018	1.794299	75.53437	3.83E-13	2.33E-12
LOC114309066	2.847834	3.179247	3.316241	0.13274	0.174191	0.033454	4.658291	1.075988	266.9614	1.53E-28	3.23E-27
LOC114309133	0.270169	0.325939	0.286244	0.596359	0.621467	0.490673	-1.05275	0.487659	24.34049	3.73E-06	1.14E-05
LOC114309142	3.422195	3.103168	3.344167	6.275992	6.241902	6.056231	-1.01436	3.25814	165.8332	4.76E-22	6.04E-21
LOC114309117	1.138007	0.880958	1.06803	2.909101	2.986171	3.323664	-1.68222	2.409314	208.5317	4.63E-25	7.55E-24
LOC114309275	1.569453	1.702938	2.163367	0	0	0	8.615394	0.108116	161.2611	1.6E-21	1.95E-20
LOC114309344	0	0.116599	0.113776	30.87106	30.23533	30.45673	-8.49907	2.184802	998.4931	3.44E-50	3.63E-48
LOC114309347	1.469926	1.363051	1.235053	5.658487	4.70282	5.823121	-2.08568	1.26314	146.1196	1.76E-20	1.95E-19
LOC114309459	0	0	0	4.880313	3.676965	3.944329	-10.2122	1.456642	603.2363	6.4E-41	3.42E-39
LOC114309469	0.430137	0.457426	0.511994	4.08332	3.266373	4.138262	-3.13653	2.466035	565.7463	2.32E-40	1.2E-38
LOC114309499	3.922908	4.065374	4.272119	0.631075	0.447198	0.381709	2.985218	1.062433	177.8208	6.07E-23	8.36E-22
LOC114309536	4.269927	3.067917	4.066008	0.369617	0.407434	0.111783	3.593128	0.707031	158.0269	2.28E-21	2.73E-20
LOC114309575	0.445522	0.661275	0.489514	5.153778	5.101375	4.453275	-3.30634	2.043336	464.2266	4.27E-37	1.73E-35
LOC114309793	0.412964	0.406872	0.538818	2.674352	2.234992	2.376733	-2.51756	1.775137	273.4483	6.81E-29	1.48E-27
LOC114309805	0	0	0	3.353712	3.440782	3.688204	-8.7074	-0.05729	211.3302	5.16E-25	8.37E-24
LOC114309864	0.737662	0.415303	0.6484	1.877313	2.006038	2.382529	-1.89295	0.195263	57.66879	2.92E-11	1.5E-10
LOC114309874	1.310152	1.34878	1.645164	3.878641	2.732447	2.881075	-1.22379	0.923248	43.00325	3.47E-09	1.47E-08
LOC114309988	3.938708	3.206007	4.223343	0.603844	1.086735	0.913097	1.981964	0.664417	73.32576	2.99E-13	1.83E-12
LOC114310151	0.500301	0.520004	0.676555	1.539081	1.321986	1.904159	-1.59566	-0.165	32.77471	1.38E-07	4.95E-07
LOC114310125	3.350408	3.431659	3.592529	1.357508	1.357737	1.553426	1.166965	1.894408	72.69656	3.56E-13	2.17E-12
LOC114310186	0.618916	0.784011	0.765033	2.49627	2.131576	2.153179	-1.74336	1.245673	105.5663	8.59E-17	7.07E-16
LOC114310320	5.010962	4.460492	4.873336	10.21689	10.46746	9.399913	-1.16918	2.743565	138.6856	7.41E-20	7.87E-19
LOC114310342	4.516971	4.46752	4.717071	1.479468	1.39786	1.090616	1.694155	2.144724	160.6148	1.2E-21	1.48E-20

LOC114310344	1.522493	1.736587	1.260051	0	0.056601	0	5.931148	0.362017	172.2839	1.95E-22	2.56E-21
LOC114310630	0.648032	0.912103	0.979027	2.945016	3.36227	2.894629	-1.96108	-0.3726	40.62154	7.95E-09	3.26E-08
LOC114310673	2.813239	2.553181	2.612735	0.401558	0.427764	0.428621	2.553566	2.835059	511.7695	1.08E-38	4.95E-37
LOC114310677	0.494729	0.51655	0.494163	0.11446	0.090122	0.111265	2.140068	0.166438	58.28226	2.42E-11	1.25E-10
LOC114310691	0.715982	0.64846	0.581458	1.131762	1.537168	1.390498	-1.17489	1.000625	42.97177	3.51E-09	1.49E-08
LOC114310705	0	0.016431	0	3.501503	3.529752	3.590008	-8.97589	1.900173	830.4675	6.13E-47	4.96E-45
LOC114310722	0.408561	0.460039	0.604645	0.197041	0.214814	0.240654	1.047315	0.456729	20.86143	1.58E-05	4.44E-05
LOC114310762	22.71739	22.56147	21.57357	8.121171	6.777998	8.22783	1.429248	4.324182	514.7852	8.62E-39	3.97E-37
LOC114310854	0.958694	1.079487	0.837897	0.15843	0.405414	0.389299	1.421618	-0.02153	24.82592	3.06E-06	9.43E-06
LOC114310921	0.329929	0.412777	0.302089	0.899627	0.944448	0.680181	-1.365	0.036993	28.27753	7.73E-07	2.56E-06
LOC114310973	1.998026	1.97429	1.792093	0.518865	0.641986	0.784596	1.429355	0.07022	28.01092	8.58E-07	2.82E-06
LOC114310982	2.449353	3.048278	2.90367	0.468683	1.107075	1.063071	1.503912	0.865554	51.72388	2.07E-10	9.91E-10
LOC114311074	0.682034	0.663245	0.476877	2.479631	2.129867	2.428684	-2.03727	0.560408	85.97796	1.02E-14	7.06E-14
LOC114311183	0.17501	0.179146	0.157329	4.309302	3.939523	4.482666	-4.72134	2.09225	724.6695	1.43E-44	9.84E-43
LOC114311199	0.814419	0.966603	1.039944	0	0.031505	0.030252	5.094242	-0.36999	93.77929	1.43E-15	1.06E-14
LOC114311198	0.010197	0	0	0.574652	0.510844	0.630692	-6.8667	-0.20105	177.3468	6.58E-23	9.02E-22
LOC114311119	4.45605	3.775547	4.944524	0	0	0	9.268682	0.69669	259.8946	7.06E-28	1.41E-26
LOC114311205	0.543816	0.400593	0.508165	1.007038	1.06206	1.159549	-1.25704	2.236286	108.5181	4.37E-17	3.68E-16
LOC114311280	4.715005	3.432942	5.063717	0.193332	0.101482	0.097448	4.97142	1.028045	264.0152	2.21E-28	4.63E-27
LOC114311282	1.253473	1.157354	1.762871	6.881341	6.74576	7.51129	-2.44765	2.370748	371.3589	1.56E-33	4.77E-32
LOC114311347	6.162418	6.278024	6.307421	0.100019	0.026251	0.050414	6.634928	2.381725	833.4615	5.3E-47	4.3E-45
LOC114311404	4.738734	4.24128	4.405623	3.313143	1.565195	1.335983	1.06843	-0.15973	13.23761	0.000459	0.001046
LOC114311421	0.194724	0.274073	0.213951	2.035344	1.741915	1.672676	-3.05455	-0.59013	68.21547	1.27E-12	7.32E-12
LOC114311422	0.812588	0.648106	0.70682	1.600236	1.502274	1.20989	-1.07227	0.01942	17.91951	5.59E-05	0.000146
LOC114311461	2.243983	1.959497	2.113335	1.040602	0.753788	0.849709	1.169237	1.037745	40.05677	9.7E-09	3.95E-08
LOC114311606	0.033896	0	0	1.725269	2.037629	1.77029	-6.82716	-0.23947	172.008	1.63E-22	2.15E-21

LOC114311645	2.950132	2.333198	2.54684	0.127686	0.150804	0.09654	4.233808	0.371134	150.6375	7.48E-21	8.58E-20
LOC114311653	5.030233	4.854883	6.421762	2.177158	2.605616	1.9753	1.159405	1.324104	46.60288	1.02E-09	4.56E-09
LOC114311671	2.934511	2.317909	2.646789	0	0	0	8.546359	0.041653	156.0593	4.04E-21	4.76E-20
LOC114311720	0.636359	0.842987	0.847259	0	0	0	9.318026	0.747856	263.4123	6.45E-28	1.3E-26
LOC114311767	1.491757	1.343772	1.602632	3.856708	2.846852	3.736048	-1.32681	1.204975	61.8513	8.18E-12	4.42E-11
LOC114311792	0	0	0	2.992387	2.814236	2.513837	-8.65052	-0.10705	201.639	2.19E-24	3.36E-23
LOC114311888	1.259818	1.05433	1.421626	3.218553	3.411397	2.948219	-1.45907	2.000979	123.4921	1.64E-18	1.56E-17
LOC114311892	3.986639	3.71499	3.806318	0.999586	0.708336	1.20921	1.869593	1.44592	118.375	4.9E-18	4.48E-17
LOC114312017	3.829117	4.461545	4.28038	1.513185	1.620346	1.830518	1.218784	1.449307	57.81537	2.79E-11	1.44E-10
LOC114312025	3.423124	3.910699	2.772804	11.446	8.904911	9.134753	-1.6364	3.016603	254.7338	5.02E-21	5.85E-20
LOC114312047	4.790808	4.339005	4.386551	1.703902	2.186304	1.669978	1.169496	1.508633	55.65203	5.46E-11	2.74E-10
LOC114312085	1.16017	1.358603	1.12176	3.59933	3.276803	3.826891	-1.66211	2.245847	184.7866	1.92E-23	2.76E-22
LOC114312086	1.705669	1.472444	1.999029	7.544798	9.439731	9.064516	-2.44133	1.495386	218.0258	1.14E-25	1.95E-24
LOC114312141	2.136045	1.460289	1.969771	0.069338	0	0	6.117681	-0.21449	113.5762	1.4E-17	1.23E-16
LOC114312147	2.693496	2.198831	2.737497	0.673241	1.011984	0.416468	1.753838	0.635193	56.8924	3.71E-11	1.89E-10
LOC114312172	2.184905	1.588878	2.350633	0.744707	0.651508	0.813295	1.360582	0.023616	24.35883	3.7E-06	1.13E-05
LOC114312163	1.783047	1.932418	1.836664	0	0	0	9.004521	0.458104	219.3571	1.61E-25	2.74E-24
LOC114312271	1.4474	1.614248	1.726632	0.050116	0.05919	0.018946	5.07632	0.929918	259.0303	4.18E-28	8.55E-27
LOC114312238	1.670184	1.596159	1.865943	0.637835	0.602652	0.829467	1.190377	1.413012	53.60925	1.04E-10	5.1E-10
LOC114312275	0.282501	0.222667	0.217277	0.633363	0.714337	0.660059	-1.57131	0.590962	56.26378	4.51E-11	2.28E-10
LOC114312319	0.089683	0	0.049269	3.994178	3.850876	3.697809	-6.22434	0.406247	264.8431	1.99E-28	4.2E-27
LOC114312406	0.63127	0.493214	0.679448	1.475404	1.659548	1.469638	-1.45394	1.354802	82.06446	2.81E-14	1.89E-13
LOC114312514	0.864324	1.039584	1.122336	0.571341	0.506086	0.242985	1.119524	0.262064	19.62411	2.67E-05	7.3E-05
LOC114312536	2.572371	2.482701	2.826371	0.111336	0.525973	0.168356	3.088482	-0.27756	64.2795	3.98E-12	2.21E-11
LOC114312543	0	0.149472	0.218781	2.533752	2.754988	1.733246	-4.2765	-0.76845	81.33119	3.41E-14	2.28E-13
LOC114312548	4.793327	5.712906	5.020236	0.101911	0	0	7.203942	1.534191	443.2607	7.36E-36	2.73E-34

LOC114312588	2.694865	3.034412	3.566611	0	0	0	8.288235	-0.18194	128.6962	7.59E-19	7.41E-18
LOC114312600	0	0.200178	0	5.170719	4.707383	5.741966	-6.17393	-0.13	173.9747	1.16E-22	1.56E-21
LOC114312666	2.534592	2.219735	2.784863	5.221761	4.192056	5.186609	-1.04951	1.020775	35.38544	5.21E-08	1.97E-07
LOC114312784	0.952939	0.870006	1.018736	1.966365	1.769428	1.982278	-1.10788	0.785324	33.8965	9.04E-08	3.32E-07
LOC114312771	3.837459	3.825121	4.009013	0.991099	0.750345	1.037548	1.965544	1.82237	168.2259	3.13E-22	4.04E-21
LOC114312779	1.181705	1.520683	2.086697	0	0.060406	0	5.739173	-0.53429	83.02555	2.18E-14	1.48E-13
LOC114312800	1.608822	1.351459	1.430979	7.938066	7.529441	7.475841	-2.48038	2.454839	419.3802	1.86E-35	6.63E-34
LOC114312827	1.816872	1.621666	1.485032	0	0.063426	0	5.895239	0.326719	171.2281	1.86E-22	2.45E-21
LOC114312918	0.987983	0.927056	1.387077	2.893519	2.35682	2.489454	-1.31804	0.080515	27.59999	1.01E-06	3.29E-06
LOC114312990	2.85355	2.441949	5.392741	1.452428	1.633705	1.490329	1.103984	0.520345	17.13111	0.000228	0.000545
LOC114313021	0.611181	0.708579	0.537224	0.049379	0.116637	0.031111	3.100232	1.253045	179.2796	9.52E-20	1E-18
LOC114313221	1.537796	1.48419	1.488493	0.532465	0.995706	0.503226	1.022934	-0.01208	13.99665	0.000324	0.000754
LOC114313307	0.70152	1.131008	1.033559	0	0.02282	0	6.399259	0.041443	136.6086	1.45E-19	1.51E-18
LOC114313385	0.190293	0.126041	0.24598	0.651142	0.736988	0.43077	-1.77372	0.14975	46.81685	1.02E-09	4.57E-09
LOC114313488	0.009275	0.015665	0.015286	0.126448	0.165935	0.165713	-3.57715	-0.78925	71.1779	5.45E-13	3.27E-12
LOC114313533	0.995664	1.220038	1.029626	0.372635	0.419143	0.281738	1.483044	-0.25692	22.84251	6.89E-06	2.03E-05
LOC114313598	1.119015	0.990007	1.229509	5.957213	5.605731	7.030741	-2.57382	0.500425	120.3666	3.19E-18	2.97E-17
LOC114313675	3.806335	4.524032	4.298351	1.72981	1.664659	1.162539	1.370215	-0.13543	21.94719	1E-05	2.89E-05
LOC114313783	2.990346	2.331085	2.864385	0	0	0	7.792478	-0.61647	90.38131	4.07E-15	2.94E-14
LOC114313882	2.505404	2.473275	1.810055	0	0	0.04717	6.551624	0.16902	157.6518	2.05E-21	2.48E-20
LOC114313914	0.633876	0.878453	0.535743	3.634093	2.861363	2.613597	-2.23068	0.238461	76.7786	1.16E-13	7.36E-13
LOC114313944	2.131495	1.811809	1.767952	5.166236	5.144471	5.801611	-1.59932	2.41758	192.7322	5.32E-24	7.97E-23
LOC114313917	0.603768	0.309019	0.542769	2.793742	4.006594	4.601718	-3.06592	0.28381	125.8231	1.01E-18	9.77E-18
LOC114313971	0.25456	0.250804	0.314657	1.272546	1.411852	0.874667	-2.19283	-0.45346	44.98676	1.76E-09	7.69E-09
LOC114313928	0.178305	0.150578	0.146933	0.891347	0.86132	0.704553	-2.43066	-0.51817	51.75725	1.88E-10	9.01E-10
LOC114314258	5.001117	4.631898	4.829352	0.025609	0.020164	0.019362	7.576181	2.380868	882.8589	5.18E-48	4.54E-46

LOC114314538	0.463117	0.428763	0.384462	0.149665	0.132571	0.198025	1.288176	-0.06756	20.9007	1.55E-05	4.38E-05
LOC114314571	4.606393	5.094167	5.302248	0	0	0	10.13749	1.508666	485.3904	2.25E-37	9.37E-36
LOC114314582	0.692539	0.435236	0.513179	1.171081	0.991225	1.305993	-1.16977	0.720613	34.42299	7.44E-08	2.76E-07
LOC114314590	4.089974	3.047626	3.502541	1.968047	1.291312	1.487981	1.08741	0.459367	22.59927	7.62E-06	2.24E-05
LOC114314615	0.829362	0.718354	0.981351	1.584947	1.826245	1.724426	-1.13098	0.901962	37.73144	2.22E-08	8.72E-08
LOC114314667	0.717828	0.550313	1.057203	1.832388	1.836241	1.721271	-1.31404	1.375374	64.01555	6.13E-12	3.35E-11
LOC114314740	6.219552	6.026011	5.615273	0	0	0	10.578	1.924129	655.3359	2.68E-42	1.59E-40
LOC114314945	0.430117	0.427333	0.36139	0.091985	0.090533	0.034774	2.392778	-0.57129	37.11649	2.77E-08	1.08E-07
LOC114315005	3.711641	4.179299	4.147255	0	0	0	8.623366	0.115051	166.1038	6.86E-22	8.62E-21
LOC114314985	1.739586	1.849949	1.507847	0.070272	0	0.026565	5.616192	0.555784	200.6827	1.53E-24	2.39E-23
LOC114315015	0.25704	0.161541	0.243013	0.554184	0.487681	0.476512	-1.28173	0.912159	46.97574	9.02E-10	4.05E-09
LOC114314998	14.63259	15.35371	13.99267	6.956776	6.306066	5.657608	1.121667	3.295482	184.7644	1.92E-23	2.77E-22
LOC114315055	1.461875	1.221276	1.424875	0.642926	0.236235	0.388878	1.642061	0.310845	40.33494	8.79E-09	3.59E-08
LOC114315056	0.04768	0.107374	0.157163	1.646786	1.637841	1.965924	-4.11214	-0.69331	88.50221	5.33E-15	3.81E-14
LOC114315033	1.384444	1.558881	1.795227	4.851963	4.909229	4.765521	-1.72494	2.981802	334.8107	6.28E-32	1.72E-30
LOC114315062	4.602205	4.13332	4.334259	0	0	0	8.946113	0.402516	210.4367	5.88E-25	9.48E-24
LOC114315077	2.05097	1.835667	2.282378	0	0.07527	0	5.970109	0.394892	181.6297	3.22E-23	4.55E-22
LOC114315121	0.312033	0.225867	0.269377	0.891347	0.893221	0.704553	-1.69837	-0.34365	32.23657	1.68E-07	6.01E-07
LOC114315303	1.402223	1.288898	1.069044	3.173234	2.539457	3.461121	-1.3832	1.216954	66.83343	1.88E-12	1.08E-11
LOC114315352	4.515962	4.389896	4.087301	0.413414	0.604515	0.647465	2.824971	2.19839	359.1846	5.17E-33	1.53E-31
LOC114315411	0.029114	0.032783	0	5.980517	6.125683	4.641733	-7.87265	1.558119	614.3354	9.51E-42	5.45E-40
LOC114315663	6.104211	6.246001	6.680337	0	0.069341	0	7.710144	2.009216	647.761	1.2E-42	7.36E-41
LOC114315732	0.977709	1.016214	0.881436	0.091144	0.035882	0.068911	3.734624	-0.46018	69.74294	8.18E-13	4.83E-12
LOC114315892	0.471988	0.365377	0.648241	1.260173	1.393327	1.114954	-1.44194	0.879472	55.93682	5E-11	2.51E-10
LOC114316012	6.166471	4.976127	5.804224	2.092448	2.294765	2.14705	1.267261	2.531832	123.0277	1.81E-18	1.72E-17
LOC114316032	0.164024	0.316612	0.154474	3.194633	2.414733	2.705209	-3.79406	0.957517	260.8287	3.32E-28	6.85E-27

LOC114315999	0.135508	0.171654	0.18611	2.03221	2.109215	2.234898	-3.78877	1.051817	294.6272	5.38E-30	1.27E-28
LOC114316036	0.866671	1.426271	0.988873	2.302586	2.003818	2.428119	-1.14933	0.643528	31.21773	2.48E-07	8.66E-07
LOC114316092	2.071433	1.672308	1.97537	0.213141	0.559401	0.376016	2.152051	-0.01186	49.69185	3.68E-10	1.72E-09
LOC114316074	0.202238	0.151813	0.296277	2.818519	2.412182	2.686909	-3.63976	-0.58249	85.33209	1.2E-14	8.29E-14
LOC114316105	1.138545	1.025599	1.14672	0	0	0.017387	7.127057	1.455973	434.6244	4.97E-36	1.87E-34
LOC114316130	1.375387	0.985526	2.198103	11.36459	11.63252	13.40417	-3.09398	0.74885	180.4564	3.91E-23	5.49E-22
LOC114316226	354.6918	349.7861	356.4455	875.1349	844.5811	887.534	-1.4024	10.46267	6525.168	1.01E-28	2.17E-27
LOC114316266	10.30155	11.0261	10.7592	3.861654	4.01934	3.859577	1.342584	3.909621	401.2596	9.4E-35	3.2E-33
LOC114316283	2.515584	2.049073	1.705433	0	0	0.073562	5.803233	-0.48707	89.67346	3.96E-15	2.87E-14
LOC114316431	1.785366	1.814189	1.770275	0	0	0	7.994293	-0.44036	105.6433	1.08E-16	8.84E-16
LOC114316470	1.645708	1.778515	1.849777	0.481408	0.460268	0.363978	1.916612	1.83535	161.1798	1.09E-21	1.34E-20
LOC114316474	1.516353	1.70741	2.056014	0	0.138533	0.133026	3.991889	-0.02669	99.84388	3.29E-16	2.58E-15
LOC114316559	0.790214	0.514095	0.694593	1.436468	1.508035	1.061935	-1.08577	0.824877	31.44488	2.27E-07	7.98E-07
LOC114316595	0.723493	0.855384	0.794932	1.183663	1.553294	1.740145	-1.04339	0.017849	17.00719	8.34E-05	0.000212
LOC114316576	8.590879	8.789455	8.912097	0	0	0.059936	8.153379	1.644376	527.4396	3.42E-39	1.63E-37
LOC114316692	0.433399	0.39593	0.368376	1.20406	0.948036	1.045221	-1.50416	1.460827	93.86344	1.4E-15	1.04E-14
LOC114316746	9.654419	11.52969	15.75085	2.127274	4.18736	6.835561	1.304387	-0.05976	19.70528	2.73E-05	7.47E-05
LOC114316843	0.583982	0.52605	0.333656	2.420392	1.504528	2.11893	-2.1366	0.716117	96.81416	8.56E-16	6.5E-15
LOC114316850	1.784441	1.364792	1.84966	5.385925	4.674404	5.043894	-1.68752	1.61195	127.8176	6.65E-19	6.54E-18
LOC114316883	1.084742	1.041797	0.911416	0.318978	0.342481	0.416566	1.37091	0.480145	35.53313	4.94E-08	1.87E-07
LOC114316875	3.567805	3.583033	4.661736	0	0.069008	0.066265	6.029273	0.449469	192.925	5.16E-24	7.74E-23
LOC114317152	0.804275	1.207482	0.824777	1.851902	1.611612	1.842325	-1.00789	-0.28871	12.52641	0.00064	0.001423
LOC114317212	4.424746	4.37614	4.423986	0.176133	0.169499	0.207151	4.455707	2.683308	853.6037	2.02E-47	1.7E-45
LOC114317253	2.104913	2.12064	1.947584	0	0	0	8.432596	-0.05662	145.0144	3.1E-20	3.38E-19
LOC114317281	0.325694	0.33617	0.290756	0.012334	0.106829	0.06528	2.162376	-0.07028	45.42134	1.63E-09	7.13E-09
LOC114317263	0.718747	0.789075	0.769975	5.650849	5.812365	6.964317	-3.1264	2.564657	615.514	8.83E-42	5.09E-40

LOC114317265	0.219153	0.21592	0.421386	1.394331	1.45073	1.656618	-2.49778	0.028488	79.66288	5.32E-14	3.49E-13
LOC114317292	2.68974	2.224158	3.186214	0	0	0	8.637908	0.124974	163.8655	1.01E-21	1.25E-20
LOC114317325	0.036816	0	0	2.576574	3.003542	2.732358	-7.5373	1.211447	487.249	6.92E-38	3E-36
LOC114317372	0.277302	0.242854	0.253903	0.896152	1.08045	1.249239	-2.16859	0.432741	87.18899	7.44E-15	5.25E-14
LOC114317354	2.101145	1.904248	2.083384	0.838428	0.8802	0.704345	1.224085	-0.10733	18.67406	4.02E-05	0.000107
LOC114317376	0	0	0.026487	9.816092	8.832985	10.73489	-9.71898	2.64982	1353.922	1.15E-55	1.89E-53
LOC114317436	0	0	0	1.201567	1.335633	1.389422	-7.82218	-0.8944	110.1534	3.92E-17	3.31E-16
LOC114317519	0	0	0	4.090837	3.53523	3.168396	-8.75648	-0.00134	216.4283	2.46E-25	4.11E-24
LOC114317582	1.167803	1.009689	1.283114	0.227449	0.11939	0.200629	2.559419	0.102462	70.14498	7.3E-13	4.32E-12
LOC114317778	0.544712	0.466142	0.622438	1.623911	1.309799	1.287682	-1.45226	0.477999	44.34438	2.19E-09	9.48E-09
LOC114317788	3.108794	3.254847	2.816506	0.941872	1.522229	1.236842	1.178916	1.301277	47.79692	6.86E-10	3.12E-09
LOC114317811	1.319715	1.155775	1.825958	3.509657	2.518529	3.426096	-1.2323	1.527398	62.4945	1.09E-11	5.83E-11
LOC114317840	0	0	0	2.733894	2.504816	1.991851	-9.18274	0.420713	290.7264	1.71E-29	3.92E-28
LOC114318059	1.997952	1.879877	2.526021	0.049752	0.11752	0.075232	4.509377	0.420781	161.2112	1.08E-21	1.33E-20
LOC114318068	0.735711	0.644318	0.578199	0.065012	0.058501	0.105329	2.960188	1.173709	184.9743	1.86E-23	2.68E-22
LOC114318100	2.189744	2.336844	2.495738	0.950582	0.584732	0.651328	1.604951	1.54103	96.4912	7.35E-16	5.61E-15
LOC114318101	2.990613	3.426501	2.709436	1.080922	1.301654	1.201842	1.230498	1.898139	76.63899	1.2E-13	7.63E-13
LOC114318140	0.330318	0.371937	0.374641	1.259026	1.250581	1.186228	-1.88103	1.200994	119.1931	4.11E-18	3.78E-17
LOC114318141	0.148807	0.293224	0.327002	2.637426	2.55584	2.50538	-3.41621	0.224979	142.7079	3.38E-20	3.68E-19
LOC114318113	3.588793	3.657778	2.583448	0.674874	1.372715	1.318151	1.396609	1.16456	53.63569	2.23E-10	1.06E-09
LOC114318170	0.892278	0.74635	0.924361	0.556115	0.182444	0.245269	1.348208	-0.34483	17.25205	7.49E-05	0.000192
LOC114318368	1.31933	1.025038	1.188674	0.047966	0	0	6.164195	0.569737	207.2782	5.6E-25	9.03E-24
LOC114318450	1.177724	1.097474	1.182461	2.768395	2.150678	2.483811	-1.18977	1.45541	60.76982	1.13E-11	6.05E-11
LOC114318447	0.637881	0.948093	0.532658	2.319107	1.533829	2.139156	-1.59338	0.712083	57.89844	3.1E-11	1.59E-10
LOC114318538	2.278866	2.012185	2.215668	4.321387	4.059552	4.12352	-1.04218	2.564671	97.53442	5.71E-16	4.41E-15
LOC114318587	1.617136	1.77071	1.797801	0.682836	0.63788	0.551273	1.371788	2.48857	137.7607	8.9E-20	9.38E-19

LOC114318597	1.21506	0.796017	1.165123	0.481912	0.252961	0.212543	1.699384	0.048676	34.52615	7.16E-08	2.66E-07
LOC114318662	0.015768	0	0	1.877506	2.166647	1.647083	-8.20736	1.890621	743.2594	3.87E-42	2.28E-40
LOC114318777	0	0	0.025567	1.015178	1.032451	1.119337	-6.56464	-0.48749	141.2907	4.45E-20	4.8E-19
LOC114318798	0.055734	0.083675	0.061237	5.065718	5.584007	5.362051	-6.37533	2.1635	913.6172	1.29E-48	1.19E-46
LOC114318890	0.599847	0.423797	0.491077	0.106903	0.101007	0.096992	2.202357	-0.17866	45.66683	1.4E-09	6.17E-09
LOC114319004	0.240107	0.216288	0.211053	0.829298	0.962259	1.023011	-2.17188	-0.37094	48.84607	4.85E-10	2.24E-09
LOC114319049	0.328878	0.138869	0.406522	2.017718	0.823762	1.582037	-2.3714	-0.55915	43.49888	3.91E-09	1.65E-08
LOC114319085	1.385123	1.400498	1.428715	0.256929	0.202297	0.427364	2.104432	0.018142	49.74518	3.61E-10	1.69E-09
LOC114319302	3.257674	2.84763	2.91999	0.935032	0.920266	2.003024	1.08222	0.683944	25.06518	2.96E-06	9.15E-06
LOC114319351	0.61134	0.513146	0.671704	0	0.015909	0.007638	5.911139	0.818167	252.7155	9.48E-28	1.88E-26
LOC114319593	0.618576	0.767588	0.749008	0	0	0.034701	5.493251	-0.02483	125.1903	1.15E-18	1.11E-17
LOC114319581	7.176903	6.114401	6.149173	13.49993	11.51375	11.61135	-1.01215	4.584266	287.0056	1.21E-24	1.9E-23
LOC114319709	1.452216	1.794169	1.861546	3.446497	4.128221	4.075015	-1.30902	2.0896	105.9595	7.84E-17	6.47E-16
LOC114319762	1.233371	1.025798	1.124163	2.573259	2.507547	3.101344	-1.37996	2.078676	117.8091	5.54E-18	5.04E-17
LOC114319807	7.112252	5.648015	6.786301	13.9495	13.82297	13.27353	-1.16942	3.045204	173.7258	1.21E-22	1.62E-21
LOC114319819	2.78702	2.822255	2.692283	1.00306	1.151199	1.105441	1.234627	2.644065	132.6684	2.46E-19	2.51E-18
LOC114319801	0.216269	0.243518	0.343234	0.567867	0.859845	0.957774	-1.70172	-0.47127	28.84266	6.2E-07	2.07E-06
LOC114319927	0.494649	0.346227	0.499425	0.024302	0.057404	0.036748	3.298401	-0.60249	54.01539	9.14E-11	4.51E-10
LOC114320008	7.000709	6.054891	6.131282	19.55015	15.24791	17.43075	-1.53381	1.847365	123.9543	1.49E-18	1.42E-17
LOC114320105	1.028577	1.008041	1.109212	0.034625	0.027263	0.026179	4.942245	-0.04164	123.1177	1.78E-18	1.69E-17
LOC114320173	1.0748	1.100202	1.030628	0.106571	0.08391	0.053717	3.601154	0.001963	98.0075	5.1E-16	3.96E-15
LOC114320113	3.73521	2.315574	3.827354	6.637361	5.586451	6.80644	-1.04008	1.817966	54.26914	1.39E-10	6.75E-10
LOC114320119	1.211039	1.363627	1.043622	0.345326	0.679745	0.424272	1.18034	0.2264	21.57656	1.17E-05	3.35E-05
LOC114320199	0.636063	0.376008	0.366906	5.781245	4.39264	5.267085	-3.55703	2.437566	602.7329	2.17E-38	9.69E-37
LOC114320210	2.301701	2.168573	2.477363	0	0	0	9.253765	0.684108	262.091	5.36E-28	1.09E-26
LOC114320313	2.008899	2.410345	1.628308	0.359195	0.612773	0.497891	1.894752	0.325096	51.86834	1.81E-10	8.71E-10

LOC114320333	4.213731	3.867489	4.279649	0	0	0	9.49322	0.904112	311.3651	1.68E-30	4.12E-29
LOC114320367	0.916154	1.255845	0.897201	0.072409	0	0.054746	4.454876	-0.11749	100.1144	3.08E-16	2.42E-15
LOC114320618	1.931118	2.627442	3.315313	0.804473	0.863748	1.105887	1.366515	0.511065	33.48117	1.11E-07	4.04E-07
LOC114320664	1.843479	1.63783	1.918677	0.042419	0.038966	0.074834	4.962625	2.83651	986.1498	5.73E-50	5.92E-48
LOC114320762	0.444564	0.481326	0.601183	0.145051	0.146839	0.188003	1.542245	0.898794	57.56258	3.02E-11	1.55E-10
LOC114320784	0.995365	0.947325	0.963453	0.258485	0.339204	0.423438	1.370824	0.818225	45.41784	1.52E-09	6.69E-09
LOC114320798	1.729359	1.880568	1.769974	4.95235	4.136664	4.916458	-1.48253	3.062599	273.57	6.71E-29	1.46E-27
LOC114320817	24.62375	26.38593	24.14036	4.513254	4.867924	5.375596	2.231628	3.716019	821.5717	9.46E-47	7.54E-45
LOC114320818	0.915717	0.743348	0.725354	2.361424	2.072669	2.86835	-1.71452	1.225586	99.38813	3.66E-16	2.87E-15
LOC114320899	2.548287	1.936821	3.149897	0.115808	0.182367	0.087559	4.101578	-0.42232	76.15694	1.37E-13	8.66E-13
LOC114320900	0.156132	0.158224	0.325943	0.482494	0.648064	0.579387	-1.53647	-0.30673	26.57067	1.52E-06	4.86E-06
LOC114320919	0.324987	0.528572	0.376914	0.853331	0.723568	0.942952	-1.14654	0.132592	21.69325	1.11E-05	3.19E-05
LOC114321153	3.275968	2.347375	2.826009	1.033534	1.278781	0.967477	1.259452	1.181052	48.92292	4.73E-10	2.19E-09
LOC114321193	0.669242	0.505682	0.638571	0	0.012604	0	6.61133	0.220552	167.3249	3.66E-22	4.7E-21
LOC114321195	0.451727	0.533455	0.484226	0.060085	0	0.030286	3.946896	-0.28083	80.71677	4.01E-14	2.66E-13
LOC114321301	2.610434	3.322735	3.367009	0.412635	0.406119	0.233986	3.02558	0.037989	81.58927	3.19E-14	2.13E-13
LOC114321303	2.066769	1.303219	1.544175	0.150281	0.059163	0.113623	3.797906	-0.41357	71.62076	4.81E-13	2.9E-12
LOC114321338	0.015037	0.005644	0.011014	4.218545	5.143725	4.959935	-8.80349	3.891855	3301.94	5.52E-64	1.76E-61
LOC114321378	0.300134	0.354848	0.527632	0.845666	0.730286	1.010636	-1.24359	0.393325	30.10012	3.81E-07	1.3E-06
LOC114321499	9.453643	9.129379	10.2699	3.774144	3.829062	3.812207	1.230942	4.609199	473.3448	2.06E-37	8.58E-36
LOC114321534	0.96699	0.941689	0.804033	1.710306	2.019956	2.298863	-1.26781	0.798373	43.48448	2.94E-09	1.26E-08
LOC114321669	0.454472	0.444987	0.390794	2.227012	1.810038	2.33556	-2.39638	0.990701	150.9016	7.12E-21	8.19E-20
LOC114321668	0.515326	0.491743	0.527823	2.14346	1.787699	1.800672	-1.99293	2.088116	229.8102	2.11E-26	3.8E-25
LOC114321813	0.520015	0.508491	0.330788	0.174133	0.23504	0.169273	1.115689	-0.3124	12.96408	0.000522	0.001177
LOC114321836	0.340363	0.114974	0.17452	17.30352	14.98826	16.65351	-6.33943	4.50093	1640.687	1.56E-12	8.96E-12
LOC114321874	0.183031	0.037471	0.109693	0.725928	0.762095	0.663196	-2.74168	-0.35013	67.09783	1.75E-12	1E-11

LOC114322058	6.271803	5.627983	6.627065	0.655231	0.963026	0.924747	2.730173	2.157718	333.6162	7.13E-32	1.94E-30
LOC114322059	3.831854	3.258008	4.324781	8.718878	10.44667	11.89441	-1.56134	3.058884	260.5925	1.33E-23	1.95E-22
LOC114322173	0.494309	0.654813	0.660262	1.074756	1.206913	1.372079	-1.13734	1.53547	57.23373	3.34E-11	1.71E-10
LOC114322255	2.011902	1.994902	1.765149	0.109172	0.343835	0.309533	2.742592	1.196967	166.7842	4.49E-22	5.72E-21
LOC114322283	18.66302	17.62679	16.16707	2.050944	2.758693	3.295146	2.559347	2.69702	433.5631	5.45E-36	2.04E-34
LOC114322284	3.327624	2.870887	3.6562	0.336057	0.3969	0.285843	3.166302	2.822381	620.0669	2.64E-41	1.45E-39
LOC114322286	7.308495	8.187148	7.247724	14.58003	14.05474	14.26876	-1.02103	3.157702	150.8765	7.15E-21	8.22E-20
LOC114322404	0.328609	0.259009	0.433268	2.329678	1.552109	1.490415	-2.45	0.003167	73.93244	2.52E-13	1.56E-12
LOC114322408	0.76349	1.006018	0.838878	0.383884	0.209255	0.24559	1.55859	0.214546	34.84341	6.37E-08	2.38E-07
LOC114322445	2.854509	2.903122	2.428156	9.331809	8.467808	9.143673	-1.81907	2.964489	366.6577	2.47E-33	7.44E-32
LOC114322448	0.646347	0.419028	0.516486	0	0.028034	0.026919	4.5393	-0.05699	108.1574	4.74E-17	3.98E-16
LOC114322494	0.310408	0.61838	0.524706	2.430688	2.153073	2.034674	-2.29151	0.793109	117.6162	5.78E-18	5.25E-17
LOC114322500	0.095058	0.053518	0	1.295993	1.76873	1.959722	-4.97326	-0.77888	95.23386	9.98E-16	7.56E-15
LOC114322518	0.356007	0.257698	0.46101	4.48388	4.786135	5.469637	-3.88035	2.677088	839.7311	1.23E-46	9.78E-45
LOC114322839	1.162292	1.502625	1.206111	2.934498	2.279718	2.189103	-1.0258	1.425332	42.85132	3.66E-09	1.55E-08
LOC114322964	4.38652	4.485855	4.703236	0.038521	0	0.029125	7.415832	1.730631	549.2225	7.26E-40	3.6E-38
LOC114322991	1.718321	1.651681	1.28936	0	0	0	7.84928	-0.56659	93.55773	1.87E-15	1.38E-14
LOC114322950	1.494873	1.468075	1.605431	0.020432	0	0	7.584715	1.112671	347.8544	1.62E-32	4.61E-31
LOC114323000	0.559592	0.404215	0.510439	0.009597	0	0.007256	6.225972	0.623207	222.0361	6.36E-26	1.11E-24
LOC114323041	4.140966	3.443238	4.059868	10.88598	10.85084	11.12001	-1.59706	1.839066	136.5572	1.13E-19	1.18E-18
LOC114323033	1.41757	1.915417	1.112531	0	0	0	7.822939	-0.58532	88.74809	7.2E-15	5.08E-14
LOC114323138	1.369153	1.500734	1.464407	0.374433	0.41621	0.532889	1.580781	1.285789	81.20793	3.52E-14	2.35E-13
LOC114323107	0.108005	0.334438	0.47468	0.932588	1.275344	0.742213	-1.80728	-0.38697	30.49258	4.78E-07	1.62E-06
LOC114323117	1.131774	0.955781	1.1399	2.400257	2.362353	2.527704	-1.27405	0.229365	29.61448	4.59E-07	1.56E-06
LOC114323434	2.85647	2.276992	2.670235	0	0.012979	0	8.669439	2.13223	717.5188	2.12E-44	1.45E-42
LOC114323544	0.472929	0.390513	0.536948	0.071642	0.022563	0.064999	3.037313	0.144581	87.70156	6.53E-15	4.63E-14

LOC114323612	0	0	0	0.45983	0.362055	0.43458	-8.04224	-0.68767	129.0451	7.07E-19	6.94E-18
LOC114323754	0.832339	0.937212	0.945526	2.743994	3.089354	2.772664	-1.77411	2.039462	183.6317	2.32E-23	3.31E-22
LOC114324001	0.789789	0.843696	0.845524	0	0	0.055666	5.032034	-0.42495	87.56751	6.76E-15	4.79E-14
LOC114324023	3.221397	3.740639	2.986439	9.698876	9.173489	8.070941	-1.53657	2.490272	180.3499	3.98E-23	5.58E-22
LOC114324101	0.941672	0.65424	1.100696	2.003159	2.122078	2.478319	-1.40023	1.257585	69.25713	9.39E-13	5.51E-12
LOC114324081	0	0.038081	0.01858	0.491828	0.580873	0.720471	-4.97304	-0.77616	95.02388	1.05E-15	7.94E-15
LOC114324134	0.153742	0.251015	0.168923	0.558952	0.407093	0.475433	-1.4246	0.443465	40.29411	8.92E-09	3.64E-08
LOC114255849	1.237059	1.071481	1.324357	0.749584	0.408598	0.479547	1.080552	-0.11643	14.42558	0.000266	0.000628
LOC114255855	0.567486	0.660287	0.394896	1.134746	1.164207	1.273922	-1.24555	0.51997	33.8737	9.12E-08	3.35E-07
LOC114255832	1.20615	0.890198	1.102517	0.350074	0.275636	0.431846	1.487673	1.139072	63.57168	4.9E-12	2.7E-11
LOC114255911	37.36705	34.01598	37.29198	90.14205	88.71172	90.1303	-1.41303	6.661603	1794.713	7.57E-60	1.74E-57
LOC114255989	2.759477	3.604311	3.456426	6.922406	6.714347	7.661101	-1.23062	1.533646	67.77179	1.44E-12	8.29E-12
LOC114256144	2.744774	2.39273	1.978104	0	0.042243	0	6.838662	0.425253	195.5766	3.4E-24	5.15E-23
LOC114256172	1.416674	1.445038	1.574871	0.363566	0.33397	0.320695	2.016728	0.803159	86.30237	9.34E-15	6.52E-14
LOC114256160	2.320707	1.366858	1.216086	0.389412	0.30661	0.245352	2.303168	-0.1033	47.42562	1.08E-09	4.81E-09
LOC114256245	1.522703	1.5792	1.937224	0.218526	0.516181	1.046401	1.304247	-0.06391	19.52268	3.05E-05	8.26E-05
LOC114256252	0.465023	0.244354	0.204376	1.127105	0.976189	1.107821	-1.87225	-0.48616	33.57622	1.02E-07	3.72E-07
LOC114256355	5.063079	3.586123	4.127399	1.48448	1.870127	1.234607	1.373417	0.222465	28.60375	6.8E-07	2.26E-06
LOC114256360	0.825318	0.770902	1.040772	0.017049	0	0	7.052857	0.623641	228.8185	2.42E-26	4.36E-25
LOC114256414	9.687404	9.115844	9.786385	1.335353	1.379979	1.472363	2.658706	3.413727	896.1661	2.82E-48	2.52E-46
LOC114256439	0.629238	1.180867	0.614551	3.558618	2.40166	2.594472	-1.89825	-0.27711	39.36093	1.24E-08	4.99E-08
LOC114256455	0.54132	0.8127	1.057371	4.810781	2.238273	2.975961	-2.11746	0.086781	57.26771	6.62E-11	3.3E-10
LOC114256479	0.775588	0.959209	0.796291	0.346692	0.382163	0.419397	1.015482	0.628263	22.91801	6.68E-06	1.98E-05
LOC114256518	1.152533	1.014604	1.404481	2.704582	2.309454	3.312085	-1.32919	1.542759	75.526	1.63E-13	1.02E-12
LOC114256601	0.538664	0.570856	0.731112	1.497592	1.269858	1.088734	-1.15156	-0.07087	19.04403	3.43E-05	9.22E-05
LOC114256708	1.686921	1.379067	1.472636	3.780642	3.737476	4.605247	-1.52277	1.885574	125.4911	1.08E-18	1.04E-17

LOC114256668	1.338077	1.482565	1.658386	0.544854	0.490286	0.514935	1.424486	1.541374	80.68486	4.05E-14	2.68E-13
LOC114256715	4.10538	3.359125	3.999534	7.313591	6.816155	8.501266	-1.08643	2.668042	109.6577	3.37E-17	2.87E-16
LOC114256779	3.178822	2.794832	2.870716	23.3516	20.56768	20.46833	-2.95609	3.110082	893.5229	3.18E-48	2.82E-46
LOC114256917	0.785041	0.985949	0.763031	2.030822	2.031163	1.61844	-1.26078	0.501562	34.40937	7.47E-08	2.77E-07
LOC114257017	3.755831	3.031232	4.055127	0.197325	0.248587	0.119353	4.146686	1.452184	319.1132	3.39E-31	8.79E-30
LOC114257033	1.18349	1.05071	1.250337	0	0	0	8.307041	-0.16846	132.0411	3.86E-19	3.86E-18
LOC114257088	0.056731	0	0.020777	5.242258	5.413217	5.522928	-7.66964	3.149841	1841.784	5.56E-57	1.03E-54
LOC114257111	0.623451	0.491403	0.525176	0.15111	0.223085	0.142812	1.547794	0.194413	34.69647	6.72E-08	2.5E-07
LOC114257175	0.581728	0.480351	0.553946	3.383926	3.330487	3.837726	-2.79879	0.68866	156.709	2.44E-21	2.92E-20
LOC114257193	8.971441	11.3497	11.42287	3.165763	3.550089	3.336447	1.541155	2.016739	121.6037	2.45E-18	2.3E-17
LOC114257255	12.6063	13.91451	12.75757	1.758904	1.345333	1.633821	2.952385	2.99337	684.8003	1.34E-43	8.7E-42
LOC114257267	0.878603	1.057871	1.127844	0.28464	0.224116	0.203251	2.012398	1.184757	108.7569	4.14E-17	3.49E-16
LOC114257290	0.465832	0.754005	0.319893	3.704745	2.375265	2.160807	-2.48835	0.773284	111.6477	7E-15	4.95E-14
LOC114257299	0.764809	0.787359	0.648253	0	0.031276	0	5.578637	-0.67379	76.48885	1.25E-13	7.94E-13
LOC114257301	2.64609	1.797969	2.706861	1.119597	0.718286	1.442173	1.018425	1.251881	30.72946	6.57E-07	2.19E-06
LOC114257333	0	0	0	3.418173	2.929829	3.402218	-9.82439	1.057888	471.6231	6.52E-37	2.62E-35
LOC114257461	0	1.028189	0.40132	18.92307	12.54685	12.04813	-4.97512	0.312902	186.6562	7.33E-21	8.42E-20
LOC114257527	2.657061	2.175887	3.981033	0	0	0	8.235222	-0.23095	116.2212	5.42E-17	4.54E-16
LOC114257507	0.132106	0.163627	0.261272	0.62438	0.586157	0.435761	-1.65211	-0.1852	33.15453	1.19E-07	4.33E-07
LOC114257641	0.831039	0.617594	0.620906	2.598372	2.283763	2.512797	-1.9253	1.543917	153.4877	4.4E-21	5.16E-20
LOC114257671	1.259378	0.696137	1.031509	3.538048	3.572302	3.461779	-1.91153	1.601434	151.7383	6.09E-21	7.05E-20
LOC114257711	1.89477	1.759207	2.136649	0	0	0	9.489182	0.900914	307.0299	2.7E-30	6.54E-29
LOC114257753	0.270175	0.290695	0.316642	0.425645	0.661685	0.61888	-1.08968	1.156946	40.28798	8.94E-09	3.65E-08
LOC114257950	0.117906	0.151728	0.42566	0.275571	0.602708	0.740802	-1.38772	-0.40972	13.74282	0.000922	0.001998
LOC114257951	0.424415	0.565923	0.429508	1.380599	1.742457	1.396889	-1.78482	1.45034	122.5507	2E-18	1.89E-17
LOC114258036	1.155805	1.270447	1.511823	0.050025	0.078776	0	4.732041	-0.22065	98.91169	4.1E-16	3.2E-15

LOC114258098	0.451903	0.273992	0.365573	0.893697	0.888468	0.825852	-1.34683	1.931051	97.94831	6.18E-16	4.75E-15
LOC114258102	0.778671	0.708632	0.714918	0.03878	0.122138	0.01466	3.489779	0.306975	112.4066	2.1E-17	1.81E-16
LOC114258180	9.411498	7.636654	8.506516	2.883016	2.777751	2.466572	1.556574	3.018818	256.594	5.72E-28	1.16E-26
LOC114258270	0.413621	0.383547	0.441096	0.729774	0.800957	0.9196	-1.09826	0.661414	30.40626	3.38E-07	1.16E-06
LOC114258272	1.475609	1.165988	1.479093	3.811822	3.11246	4.269635	-1.54045	1.599949	105.0504	9.68E-17	7.94E-16
LOC114258380	3.393494	3.758427	3.484077	1.14611	1.11474	0.968485	1.618029	1.936206	130.9877	3.47E-19	3.48E-18
LOC114258401	0.438375	0.51507	0.984263	1.38589	1.063923	1.283591	-1.04942	0.627225	23.40237	7.45E-06	2.19E-05
LOC114258459	0.021161	0.023827	0.023251	1.346352	1.484102	1.250607	-5.81215	0.006018	195.7306	3.32E-24	5.04E-23
LOC114258516	1.869932	1.449715	1.616712	0	0	0	8.384263	-0.1025	138.5078	1.08E-19	1.13E-18
LOC114258668	2.070785	2.546108	2.432172	0.64902	0.579152	0.556132	1.876027	0.971552	85.33151	1.2E-14	8.29E-14
LOC114258716	1.480846	1.279655	1.437873	0.031301	0.049291	0.023666	5.123874	0.460649	185.9674	1.58E-23	2.29E-22
LOC114258780	1.750875	1.245146	1.822509	0	0	0	7.76331	-0.64179	87.37606	8.64E-15	6.05E-14
LOC114258835	0.988595	0.976636	1.137447	0.084768	0.080092	0.102545	3.400958	0.944466	190.5367	7.56E-24	1.12E-22
LOC114258878	2.452398	2.793135	2.477749	0.358691	0.161384	0.34868	3.04688	0.714436	138.3333	7.94E-20	8.41E-19
LOC114258907	0.805159	0.655843	0.715258	0.217988	0.220676	0.188359	1.688805	-0.11624	32.12182	1.76E-07	6.26E-07
LOC114258995	1.27114	2.357436	1.971747	5.301029	4.815983	4.521787	-1.49272	0.489406	45.4874	1.49E-09	6.54E-09
LOC114259009	0.838931	0.842512	0.921768	0	0.097358	0.031163	4.037224	-0.47547	71.72855	4.67E-13	2.82E-12
LOC114259091	0.965375	0.621149	1.212226	5.89138	6.217798	6.728828	-2.84364	0.689203	156.7422	2.42E-21	2.9E-20
LOC114259094	1.17143	1.38845	1.100808	0.140095	0.198552	0.127106	2.841269	0.542516	111.7473	2.11E-17	1.82E-16
LOC114259098	12.47213	12.26913	12.12056	2.025757	2.126685	2.382511	2.382305	4.252948	1224.349	7.64E-54	1.08E-51
LOC114259181	0.866671	0.957103	0.860685	0.030297	0.071565	0.091627	3.574227	-0.02354	94.60589	1.16E-15	8.76E-15
LOC114259345	1.300498	1.107197	1.63802	6.515616	6.62837	7.323997	-2.44438	1.985035	297.7311	3.75E-30	9.01E-29
LOC114259385	0.011062	0	0	0.301637	0.490831	0.456117	-6.31964	-0.72123	114.1634	1.23E-17	1.09E-16
LOC114259396	2.177553	1.947113	2.11109	0	0	0	8.653782	0.139214	170.3514	3.31E-22	4.26E-21
LOC114259480	0.108038	0.050688	0.069245	0.867403	0.502558	0.544452	-3.09305	0.274955	120.1732	6.29E-18	5.7E-17
LOC114259487	1.992297	0.981453	1.368137	5.43246	6.237782	6.160977	-2.11787	-0.09232	56.45105	4.26E-11	2.15E-10

LOC114259613	0.069592	0.03918	0	4.743993	5.777203	4.017204	-6.92586	1.101508	423.488	6.02E-35	2.08E-33
LOC114259512	2.192813	1.964662	2.176173	0	0	0	9.116491	0.557628	237.819	1.25E-26	2.3E-25
LOC114259629	1.236822	0.506422	0.864785	6.131787	5.793556	4.636059	-2.71094	-0.17297	76.80341	1.15E-13	7.31E-13
LOC114259724	0.264329	0.255115	0.290429	1.372865	1.297137	1.453174	-2.429	-0.52244	52.10842	1.68E-10	8.09E-10
LOC114259677	2.632611	2.549948	2.441569	0.643228	0.749555	0.875385	1.62429	1.843536	124.6714	1.28E-18	1.23E-17
LOC114259696	1.084138	1.095534	1.191188	0	0	0	7.969189	-0.46184	103.6019	1.73E-16	1.39E-15
LOC114259790	1.530216	1.85556	2.069308	0.855895	0.898538	0.647117	1.076682	0.132432	17.36109	7.14E-05	0.000184
LOC114259853	0.1509	0.113275	0.136041	0.014067	0.02769	0.026589	2.378388	-0.48278	40.03328	9.78E-09	3.98E-08
LOC114259881	2.603656	1.940103	2.818676	12.66769	11.39898	12.36675	-2.40277	2.550051	412.0936	3.54E-35	1.24E-33
LOC114259908	3.446811	4.410343	3.385488	1.708824	1.420219	2.009762	1.012653	0.73626	24.11336	4.09E-06	1.24E-05
LOC114259969	0.032297	0.036367	0.070973	0.64582	0.508497	0.932181	-3.95718	-0.46637	97.31463	6.02E-16	4.64E-15
LOC114260127	3.069399	3.080469	3.313825	1.601108	1.27976	1.430649	1.037401	2.388684	78.95202	6.43E-14	4.18E-13
LOC114260179	2.039849	2.154301	2.241267	4.500843	4.570713	4.833737	-1.2209	2.883534	170.1994	2.22E-22	2.9E-21
LOC114260215	0.279791	0.409557	0.614836	1.118942	1.081249	1.076725	-1.43785	-0.19957	25.74613	2.11E-06	6.64E-06
LOC114260230	2.329751	2.191831	2.071413	0.222898	0.241316	0.168527	3.273286	1.304228	237.4505	7.31E-27	1.37E-25
LOC114260275	0.848202	0.603204	0.490503	2.515698	2.300256	2.392893	-1.96752	0.097737	57.66368	2.92E-11	1.5E-10
LOC114260338	0	0	0	3.822942	4.515085	4.046575	-9.84343	1.072499	475.5427	4.81E-37	1.95E-35
LOC114260349	1.395507	1.890932	1.013538	0.042996	0.135415	0.227557	3.179757	0.158624	83.94269	1.31E-13	8.3E-13
LOC114260522	5.342017	4.786663	5.9935	0	0	0	9.788019	1.178147	376.1689	2.32E-33	7.02E-32
LOC114260612	0	0	0	1.488008	1.061769	1.23051	-8.34212	-0.40206	159.4424	2.21E-21	2.65E-20
LOC114260846	0.96043	0.793057	1.09044	0.087295	0.080188	0.077001	3.425037	1.032543	199.5299	1.83E-24	2.84E-23
LOC114260825	2.063081	1.806797	1.957685	0.757639	0.730761	0.630111	1.363547	2.93987	195.1327	3.64E-24	5.51E-23
LOC114260881	2.262989	2.011674	1.906894	0	0.024353	0.023385	6.602775	0.968396	302.2742	2.23E-30	5.42E-29
LOC114260928	3.198527	3.41198	2.880185	0.174868	0.27537	0.165265	3.805912	1.150145	244.0277	3E-27	5.73E-26
LOC114260929	7.936751	6.236093	9.487071	0	0	0	10.12864	1.496554	424.6527	3.14E-27	5.98E-26
LOC114260899	0.363382	0.388709	0.469135	0.049542	0.065013	0.062429	2.631387	-0.18174	58.52769	2.24E-11	1.16E-10

LOC114261084	1.862008	1.485103	1.721937	0.16924	0.510806	0.554481	1.864852	1.100914	83.92459	6.02E-14	3.93E-13
LOC114261155	0.350811	0.299665	0.398743	1.253435	0.883027	1.379961	-1.83956	0.955367	91.10942	2.76E-15	2.02E-14
LOC114261156	0.156132	0.175804	0.257323	2.696292	3.016852	3.111524	-3.94328	-0.64647	89.07563	4.61E-15	3.31E-14
LOC114261168	0.195355	0.109985	0.13032	0.558046	0.549233	0.517813	-1.97621	0.608872	83.1101	2.14E-14	1.45E-13
LOC114261206	0.561743	0.587341	0.771513	1.167026	1.608035	1.571692	-1.30385	0.702812	42.06477	4.8E-09	2.01E-08
LOC114261307	1.812724	1.793992	2.054236	0.325088	0.19779	0.312822	2.662863	2.027559	291.3263	7.92E-30	1.85E-28
LOC114261309	0.026387	0	0.028992	0.527627	1.170774	1.196769	-5.543	-0.73101	102.3088	2.21E-16	1.76E-15
LOC114261319	1.575368	1.546971	1.549779	0	0	0.025177	6.914756	0.496237	214.8775	1.8E-25	3.05E-24
LOC114261321	0.929442	0.881305	0.859972	2.934498	3.500796	3.428877	-1.99015	0.413981	75.50372	1.64E-13	1.03E-12
LOC114261452	1.413559	1.339019	1.725707	0.040787	0.032115	0.061676	4.832005	0.204292	144.8394	2.24E-20	2.47E-19
LOC114261467	2.29208	2.083644	2.125625	0.344031	0.601951	0.693629	1.835349	1.033616	85.09935	1.27E-14	8.78E-14
LOC114261522	1.89168	1.611174	1.718733	0.462907	0.433901	0.616649	1.668214	1.524694	104.3337	1.14E-16	9.32E-16
LOC114261616	4.948608	5.323366	5.679976	12.20843	9.675749	9.108972	-1.04983	2.437321	84.02618	1.68E-14	1.15E-13
LOC114261626	0.049562	0	0.027228	1.216272	1.418744	0.851469	-5.34995	-0.42718	126.8617	8.1E-19	7.91E-18
LOC114261669	1.287307	1.331178	1.587612	0.286542	0.639239	0.180538	1.793984	0.161991	40.09134	1.12E-08	4.5E-08
LOC114261712	12.12419	8.370456	11.23078	21.23525	20.51991	19.27856	-1.03863	3.415891	154.1741	1.77E-16	1.42E-15
LOC114261730	0.118714	0.133671	0.086957	0.719334	0.962845	1.006154	-3.07725	-0.30886	84.89356	1.34E-14	9.25E-14
LOC114261762	4.850119	4.327762	4.955565	10.83664	9.505398	9.415055	-1.17264	4.095602	338.904	4.09E-32	1.13E-30
LOC114261800	5.055685	4.518008	5.554892	1.896418	2.067474	1.985295	1.234527	1.445413	59.21655	1.81E-11	9.52E-11
LOC114261840	11.04482	9.161862	9.8239	2.868216	2.258337	2.041008	1.98394	2.600412	272.98	7.21E-29	1.57E-27
LOC114261985	0.214219	0.206752	0.145706	0.64902	0.408813	0.434624	-1.45778	0.075344	32.06815	1.8E-07	6.38E-07
LOC114262204	0.994428	1.093684	0.762293	0	0	0	7.99436	-0.44008	103.0466	1.96E-16	1.57E-15
LOC114262185	0.681077	0.598549	0.711824	0.030197	0	0.022831	5.005199	-0.44753	87.48548	6.9E-15	4.88E-14
LOC114262225	2.28079	2.024062	2.357338	0.386498	0.331981	0.451612	2.392348	1.095282	136.7102	1.1E-19	1.15E-18
LOC114262241	1.626877	1.33014	1.616735	0	0	0	9.832854	1.218466	388.3842	7.46E-34	2.34E-32
LOC114262292	2.473159	2.271787	2.288306	4.495761	5.123411	4.651412	-1.12546	0.766723	34.48275	7.27E-08	2.7E-07

LOC114262417	2.810153	2.531381	2.280098	1.257442	0.80443	1.247812	1.109031	0.445624	23.29286	5.72E-06	1.71E-05
LOC114262467	9.193268	6.901066	8.73819	18.43594	16.23895	15.49319	-1.10552	3.388055	189.4008	1.45E-21	1.78E-20
LOC114262470	0	0	0	0.806361	0.739269	0.7934	-9.73586	0.968336	446.1187	5.01E-36	1.88E-34
LOC114262513	2.407927	2.401455	2.948055	0	0	0	7.863769	-0.55245	95.26693	1.23E-15	9.26E-15
LOC114262521	0.193033	0.160156	0.167442	1.218915	0.916109	1.172926	-2.74765	0.945181	178.0463	5.85E-23	8.06E-22
LOC114262545	1.846746	1.572253	2.152822	0.593625	0.773629	0.820261	1.22176	1.82306	70.69622	6.24E-13	3.72E-12
LOC114262551	0.758605	0.664368	0.694593	2.451572	1.809642	2.432796	-1.74466	0.126557	48.0148	6.39E-10	2.91E-09
LOC114262579	1.123675	1.05141	1.391131	0.172618	0.40774	0.23927	1.969605	0.583055	66.21989	2.25E-12	1.28E-11
LOC114262623	0.832088	0.870006	0.979554	2.917134	3.828089	4.084365	-2.13082	0.248386	73.96683	2.5E-13	1.55E-12
LOC114262674	26.75921	25.25393	27.50162	8.025866	8.481795	8.490746	1.560913	4.946898	977.0123	8.38E-50	8.57E-48
LOC114262734	3.889057	3.608958	3.801558	0.999497	1.190053	1.124318	1.653795	2.464236	192.6428	5.4E-24	8.09E-23
LOC114262801	3.922825	4.05675	3.743043	0.018766	0	0.014188	8.242146	2.519247	955.4949	2.08E-49	2.06E-47
LOC114262807	0.035661	0.020077	0.058773	1.912344	1.607798	1.715433	-5.50671	0.607181	289.9896	9.27E-30	2.16E-28
LOC114262937	0.999029	0.680174	0.970038	3.083071	3.757647	2.93772	-1.9813	1.457061	147.0607	1.47E-20	1.64E-19
LOC114263012	0.016512	0.037184	0	0.660329	0.567187	0.862349	-5.21564	-0.55656	115.4582	9.26E-18	8.28E-17
LOC114263122	1.866676	1.451293	2.099828	0.727132	1.081426	0.671932	1.009529	-0.0211	13.6116	0.000386	0.000891
LOC114263101	1.292856	1.294003	1.432656	0.040174	0.047448	0.015187	5.144951	0.990566	276.2034	4.85E-29	1.07E-27
LOC114263295	3.209484	2.710404	2.889684	6.320458	4.912715	6.616671	-1.11452	1.61622	58.5731	2.21E-11	1.15E-10
LOC114263541	1.865974	1.519932	1.744871	0	0	0	8.066352	-0.38027	110.6619	3.5E-17	2.97E-16
LOC114263575	1.670645	1.416663	1.654313	6.073869	6.671688	6.91675	-2.15832	2.600238	371.7931	1.5E-33	4.59E-32
LOC114263641	0	0.032657	0.031866	2.372453	2.490653	2.192349	-6.63816	0.322228	257.0274	5.41E-28	1.1E-26
LOC114263648	1.585973	1.473287	2.178218	0	0.907996	0.54494	1.626702	-0.06673	15.3152	0.001149	0.002452
LOC114263707	34.65185	34.41656	34.93411	75.43203	80.88622	84.2921	-1.31678	5.724927	1142.584	1.34E-52	1.73E-50
LOC114263822	0.141567	0.136632	0.155545	2.757247	3.068295	2.557196	-4.34813	1.154083	357.6748	6.01E-33	1.76E-31
LOC114263807	0.488274	0.261807	0.562034	0.929862	0.898538	1.022604	-1.21294	-0.06887	20.71573	1.68E-05	4.71E-05
LOC114263816	2.687063	2.296234	2.662421	5.40795	4.807463	5.012062	-1.09067	2.283394	87.62237	6.66E-15	4.73E-14

LOC114263885	0.198334	0.148882	0.174334	0.576856	0.719146	0.690561	-2.02757	-0.00265	57.11364	3.46E-11	1.77E-10
LOC114263929	2.42017	1.70987	1.798831	0.172527	0.101881	0.326106	3.157081	0.58339	124.3751	1.88E-18	1.78E-17
LOC114264045	0.03078	0.103974	0	8.952368	9.295597	9.814491	-7.68717	2.233907	970.7104	1.09E-49	1.11E-47
LOC114264132	0.225087	0.285128	0.340054	2.199275	2.134342	1.933495	-2.97067	0.376961	134.4682	1.71E-19	1.77E-18
LOC114264149	9.193268	9.354778	8.97869	5.446782	3.508866	3.930959	1.014337	2.585567	80.9489	4.62E-14	3.05E-13
LOC114264136	13.37624	12.33638	11.44907	3.795116	4.33678	4.621468	1.427562	3.753511	383.5206	4.69E-33	1.39E-31
LOC114264139	2.057153	2.016083	1.757996	0	0	0.052358	6.181437	-0.15747	122.405	2.07E-18	1.95E-17
LOC114264179	0.661112	0.431758	0.66828	0.096143	0.03785	0.109036	2.741474	-0.19906	58.43572	2.3E-11	1.2E-10
LOC114264181	2.429187	2.474758	2.255982	0.105139	0	0.039746	5.525402	0.474	189.366	9.12E-24	1.35E-22
LOC114264336	3.436275	3.214444	3.833665	0	0	0	9.676041	1.074271	350.9586	2.67E-32	7.5E-31
LOC114264350	0.300583	0.324354	0.316503	0.81961	0.806667	0.722963	-1.41569	0.45131	42.22961	4.54E-09	1.9E-08
LOC114264363	3.511317	2.803558	2.665549	0.116054	0.54826	0.263234	3.07684	-0.15999	69.97527	7.66E-13	4.53E-12
LOC114264322	4.631354	4.797034	4.33841	2.104744	2.082129	2.101376	1.024441	2.770714	103.8073	1.29E-16	1.05E-15
LOC114264374	5.904239	6.845143	5.862538	0	0	0	9.775599	1.169354	373.1032	3.1E-33	9.3E-32
LOC114264492	0.272838	0.443756	0.599558	1.157267	1.214924	1.499956	-1.68119	-0.13897	35.76521	4.54E-08	1.72E-07
LOC114264581	0.771971	1.109027	0.965189	0.241949	0.419106	0.365861	1.314145	-0.27357	18.00828	5.37E-05	0.000141
LOC114264583	1.500902	2.015014	2.029666	0	0	0	7.627394	-0.75099	79.43727	6.72E-14	4.35E-13
LOC114264514	0.3072	0.487413	0.5063	0	0	0	7.578798	-0.7903	74.95975	2.23E-13	1.39E-12
LOC114264522	0.396493	0.350783	0.311174	1.544473	1.216066	1.167729	-1.95892	-0.11828	48.8467	4.85E-10	2.24E-09
LOC114264586	1.819943	1.814092	1.966867	0.379645	0.341622	0.615081	1.92748	0.348115	56.11707	4.72E-11	2.38E-10
LOC114264542	0.866784	0.918585	0.840328	1.807373	1.970397	1.804481	-1.19491	1.723864	74.03151	2.46E-13	1.52E-12
LOC114264664	0.456074	0.366813	0.572695	1.006718	1.119044	1.343204	-1.42373	-0.31404	23.89433	4.47E-06	1.35E-05
LOC114264673	0.315534	0.177645	0.260018	4.588674	4.403305	3.469358	-4.05972	-0.2129	124.9107	1.22E-18	1.17E-17
LOC114264721	4.278589	4.680033	5.271907	0	0.043742	0	7.778466	1.293758	394.012	1.83E-34	6.04E-33
LOC114264896	1.957982	1.860691	2.059772	0.656318	0.39751	0.591649	1.7461	1.488238	108.7884	4.11E-17	3.47E-16
LOC114264907	11.42994	10.82258	10.43828	0.404758	0.743617	0.459038	4.204876	2.230219	566.4357	2.21E-40	1.15E-38

LOC114264923	0.146993	0.082757	0.060565	2.371456	2.261685	2.19704	-4.59191	0.981071	329.8699	1.06E-31	2.84E-30
LOC114264961	1.532954	1.874054	1.756505	4.219763	4.356863	4.544865	-1.45738	2.09562	133.7244	1.99E-19	2.05E-18
LOC114264999	0.40068	0.29193	0.38845	1.328194	1.180714	1.230964	-1.87834	1.070277	107.3595	5.69E-17	4.75E-16
LOC114265001	0	0	0	0.769896	0.541702	0.64402	-8.89591	0.135948	237.2119	1.36E-26	2.49E-25
LOC114265104	0.864636	0.973578	0.747882	0.200649	0.236977	0.278126	1.71515	0.005966	35.82161	4.44E-08	1.69E-07
LOC114265156	0.019491	0.036579	0.014277	0.484232	0.502158	0.482198	-4.44347	0.277507	195.7286	3.32E-24	5.04E-23
LOC114265247	0.235418	0.246146	0.221712	1.895197	1.516282	1.363567	-2.83557	0.732571	158.9534	1.62E-21	1.97E-20
LOC114265361	1.415392	1.154875	1.374843	6.339102	5.842636	6.033294	-2.3027	2.467381	374.3252	1.17E-33	3.62E-32
LOC114265408	0.532249	0.449483	0.629789	0	0	0.014068	6.220954	-0.12332	124.3966	1.36E-18	1.3E-17
LOC114265461	2.732311	2.549163	3.516751	7.521236	6.871718	7.564223	-1.42296	2.010761	118.6371	4.63E-18	4.24E-17
LOC114265468	0.159136	0.140789	0.212317	0.475246	0.309116	0.42181	-1.31583	-0.309	20.36234	1.95E-05	5.43E-05
LOC114265469	0.930593	1.164273	1.103631	0.617587	0.422841	0.345129	1.131592	0.717668	28.6467	6.69E-07	2.23E-06
LOC114265546	3.143615	2.6669	3.075498	8.278242	7.874002	7.501836	-1.51179	3.948218	526.1747	3.75E-39	1.78E-37
LOC114265569	1.692279	1.56743	1.859378	0.099234	0.039067	0	5.125357	0.119444	137.1979	9.94E-20	1.05E-18
LOC114265574	0.112199	0.09024	0.035222	1.107201	1.078245	1.431917	-3.98394	0.305747	175.4941	8.99E-23	1.22E-21
LOC114265696	0.388577	0.324624	0.330538	2.027945	2.475838	2.27406	-2.80065	1.678225	304.0218	1.83E-30	4.47E-29
LOC114265700	2.353986	2.234261	2.627047	7.393255	5.680081	7.5886	-1.61839	3.529667	374.7729	1.34E-23	1.96E-22
LOC114265702	1.298448	1.158941	1.061295	0.057569	0.135985	0.174106	3.069654	0.432726	112.6007	1.74E-17	1.52E-16
LOC114265760	0.166224	0.167971	0.187321	0.480367	0.433128	0.398338	-1.42431	1.14433	68.94031	1.03E-12	6.01E-12
LOC114265826	1.273936	0.882738	0.915206	2.048582	1.893504	2.020266	-1.04245	-0.02624	16.45808	0.000106	0.000267
LOC114265953	7.36702	7.760071	7.415563	0.0864	0.136056	0.130648	5.777457	1.336055	386.3236	3.74E-34	1.2E-32
LOC114265903	1.589664	1.2635	1.669573	7.436794	6.45776	7.5184	-2.34007	2.505586	383.6887	4.8E-34	1.53E-32
LOC114265915	0.492412	0.542402	0.423418	0	0	0	8.137172	-0.31567	115.6979	1.16E-17	1.03E-16
LOC114265921	0.424985	0.615256	0.344653	0.846124	0.782072	0.959593	-1.01471	1.022491	31.0179	2.81E-07	9.76E-07
LOC114266028	0	0	0	2.57397	2.089991	2.310995	-8.44252	-0.3083	173.2794	2.02E-22	2.65E-21
LOC114266031	0.648442	0.687195	0.565785	0	0	0	7.689306	-0.70165	83.97708	2.05E-14	1.39E-13

LOC114266079	2.050222	1.6643	1.624014	0	0	0	7.862388	-0.55693	94.9239	1.34E-15	1E-14
LOC114266196	0.980402	0.833155	0.873962	0.134505	0.105905	0.279662	2.214583	-0.02969	50.81977	2.55E-10	1.21E-09
LOC114266320	30.01271	27.47058	31.05205	76.29303	77.74602	82.87242	-1.52601	5.78281	1528.604	5.37E-57	1.01E-54
LOC114266321	4.057756	4.111346	4.307036	0.488412	0.493025	0.568113	2.893049	3.340875	938.0293	4.41E-49	4.25E-47
LOC114266407	1.038355	0.691967	0.814917	0.192607	0.181982	0.291248	1.804541	-0.20899	32.38987	1.59E-07	5.68E-07
LOC114266448	3.708737	4.235348	4.45697	8.063372	8.520399	9.0361	-1.15813	4.200197	339.0435	2.17E-31	5.71E-30
LOC114266691	2.889372	2.584282	2.915747	1.192026	1.305186	1.309635	1.028482	2.591165	90.51046	3.21E-15	2.34E-14
LOC114266706	1.71105	1.64121	1.763952	0.211199	0.347699	0.479043	2.144725	1.593078	157.7169	2.03E-21	2.45E-20
LOC114266707	3.780793	3.208759	3.131087	0.871923	0.928825	1.202134	1.630609	1.281339	84.46068	1.5E-14	1.03E-13
LOC114266751	1.337369	1.217516	0.906665	0.206902	0.447996	0.312865	1.689078	-0.17462	29.49366	4.81E-07	1.63E-06
LOC114266820	2.731039	2.453205	1.955517	0	0	0.042175	6.787133	0.378774	188.2042	1.1E-23	1.62E-22
LOC114266854	2.63668	2.163053	2.565941	1.095546	1.078245	0.880079	1.173948	0.567721	28.72923	6.48E-07	2.16E-06
LOC114266918	1.835901	1.848572	2.152953	0.673886	0.606394	0.630815	1.505703	1.198266	70.5409	6.52E-13	3.88E-12
LOC114266927	3.766686	2.767993	2.918813	0.144151	0.05675	0.054494	5.096406	0.434736	175.6872	8.7E-23	1.18E-21
LOC114266981	0.048291	0	0.053059	3.335797	2.972086	2.654837	-6.23779	-0.0637	188.3334	1.08E-23	1.58E-22
LOC114266967	11.07267	10.0633	10.60181	4.217325	3.81112	3.98574	1.301415	3.060001	205.4923	7.34E-25	1.17E-23
LOC114267008	0.745624	0.767194	0.805123	0.210322	0.128801	0.14135	2.185258	0.259506	63.87263	4.48E-12	2.48E-11
LOC114267218	0.028891	0.032531	0.095232	1.102899	1.075144	1.111824	-4.39499	-0.67066	95.79639	8.7E-16	6.61E-15
LOC114267357	2.130503	2.185338	2.196572	0.928429	0.793672	0.621733	1.387782	1.644455	81.98269	2.87E-14	1.93E-13
LOC114267373	0.801017	0.837519	0.58674	0.329357	0.191081	0.144168	1.691305	0.693392	53.82969	1.44E-10	6.98E-10
LOC114267427	3.861767	3.228314	4.307374	1.489092	2.09368	0.723765	1.308058	0.52882	30.48044	4.09E-07	1.39E-06
LOC114267435	3.110947	2.953442	2.814929	1.330623	1.004034	1.550984	1.084838	1.131073	36.92445	2.97E-08	1.15E-07
LOC114267444	0.967057	1.001791	1.232553	2.601746	2.657549	2.179761	-1.31391	0.516554	37.94414	2.06E-08	8.1E-08
LOC114267556	1.886778	2.186386	1.972446	0.665985	0.603031	0.704944	1.50241	1.195551	69.99525	7.61E-13	4.5E-12
LOC114267557	0.726108	0.664297	0.897531	0	0.012991	0.012475	6.072137	0.486847	199.5189	1.84E-24	2.84E-23
LOC114267566	0.159859	0.112501	0.241511	0.690165	0.486211	0.71406	-1.95716	-0.62528	32.5646	1.49E-07	5.34E-07

LOC114267652	1.544002	1.127187	1.677817	2.991778	3.812714	3.38133	-1.33752	2.133688	108.8376	6.58E-17	5.46E-16
LOC114267675	0.701332	0.588927	0.653036	0	0	0	8.403726	-0.08417	141.5849	5.96E-20	6.36E-19
LOC114267906	0.462999	0.448928	0.508716	1.543023	1.675123	1.926712	-1.96845	1.390876	145.6322	1.93E-20	2.14E-19
LOC114267977	1.51803	1.022887	1.523457	2.629137	2.343825	2.727079	-1.01962	2.328949	73.06834	4.73E-13	2.85E-12
LOC114268023	0.064223	0.043389	0.056452	0.747175	1.011142	0.794414	-4.01572	0.125679	158.5614	1.74E-21	2.11E-20
LOC114268041	2.591901	2.562564	2.523687	5.056366	4.855873	4.604936	-1.0193	2.426756	84.73077	1.4E-14	9.63E-14
LOC114268046	0.585885	0.481406	0.60894	0.172708	0.181313	0.348212	1.108342	-0.23398	13.70705	0.00037	0.000855
LOC114268113	4.629447	6.492239	6.42757	0	0	0	9.741174	1.140396	340.1938	6.29E-29	1.38E-27
LOC114268136	7.533372	6.638525	9.048401	35.46915	37.63812	40.77236	-2.40318	3.911402	1076.632	4.51E-47	3.68E-45
LOC114268221	0.237673	0.152925	0.13057	3.332929	3.498982	3.313237	-4.35081	1.684505	511.3132	1.12E-38	5.1E-37
LOC114268229	0.838353	0.757846	0.947081	0.107322	0.253506	0.178515	2.079842	0.505312	69.57557	8.58E-13	5.05E-12
LOC114268396	1.15898	1.184175	1.167302	3.179736	2.81081	2.964568	-1.45085	2.568735	182.2818	2.89E-23	4.11E-22
LOC114268505	0.595889	0.694107	0.699882	0.112057	0.08823	0.155326	2.347509	0.326837	74.01884	2.47E-13	1.53E-12
LOC114268547	9.49971	9.546475	10.54996	4.085087	3.72817	4.773307	1.120812	2.075508	74.35385	2.25E-13	1.39E-12
LOC114268573	84.29069	77.99473	78.42688	26.11439	24.47573	24.59712	1.574279	6.49378	2019.906	5.19E-63	1.5E-60
LOC114268609	283.5491	278.6564	270.0379	92.45913	92.45037	97.95163	1.451754	8.261157	2762.491	8.84E-39	4.07E-37
LOC114268614	101.4702	102.9117	94.85347	28.17196	27.64731	27.24271	1.744167	6.986746	2705.189	6.73E-65	2.33E-62
LOC114268672	0	0	0.026787	1.196592	1.081735	1.038737	-6.55034	-0.49637	139.4901	6.33E-20	6.74E-19
LOC114268844	5.086968	4.328729	4.949272	1.552965	1.61181	2.241558	1.285957	1.403631	60.82547	1.11E-11	5.95E-11
LOC114268841	2.05549	1.434976	1.851931	0.07473	0	0.226005	3.922163	-0.31137	77.333	1.03E-13	6.57E-13
LOC114268875	2.714314	2.17568	2.577947	5.854063	5.070222	4.868688	-1.16824	1.375946	55.44035	5.84E-11	2.92E-10
LOC114268922	2.418225	2.298064	2.581629	0.124706	0.09819	0.117858	4.293798	1.228154	294.9628	5.18E-30	1.23E-28
LOC114268980	3.708737	3.828027	3.565576	7.30364	8.404783	9.274231	-1.28579	1.845736	90.47338	3.24E-15	2.36E-14
LOC114268981	1.509694	1.518588	1.172193	0.036591	0	0.082997	4.899662	0.262535	145.8285	1.86E-20	2.06E-19
LOC114269160	0.316824	0.118914	0.154715	1.407828	1.763485	1.693389	-3.09478	-0.29501	85.05203	1.29E-14	8.88E-14
LOC114269231	0.752263	0.580832	0.73208	0.312567	0.123052	0.02954	2.155182	-0.53931	30.45606	3.58E-07	1.23E-06

LOC114269369	1.587285	1.356835	1.40617	0.271923	0.28547	0.239858	2.344104	1.676162	199.6501	1.8E-24	2.79E-23
LOC114269315	0.997941	0.928257	1.001134	0	0.031051	0.029817	5.17506	-0.30385	101.2375	2.36E-16	1.88E-15
LOC114269314	1.039086	0.918234	0.693683	0.02391	0.075303	0.108465	3.459909	0.276946	109.7905	3.27E-17	2.79E-16
LOC114269318	0.196737	0.073842	0.126095	1.400725	0.985556	1.01398	-3.13001	0.242475	123.741	1.56E-18	1.48E-17
LOC114269391	4.304784	4.335364	4.803291	1.482438	1.549918	1.488311	1.463075	2.760009	196.4278	2.97E-24	4.54E-23
LOC114269394	1.563385	1.760369	1.953527	0.668695	0.833638	0.905832	1.001718	1.380996	37.82147	2.15E-08	8.45E-08
LOC114269463	2.479338	2.290649	2.514602	0.924511	0.636938	0.698995	1.596944	-0.23281	26.69706	1.44E-06	4.63E-06
LOC114269505	1.482394	1.784287	1.993837	0.650451	0.402399	0.562042	1.606058	0.532813	46.94541	9.11E-10	4.09E-09
LOC114269531	0.422867	0.371395	0.483206	0.199861	0.072629	0.220851	1.276837	0.194975	23.43283	5.52E-06	1.65E-05
LOC114269576	0.70276	0.791306	0.280782	1.277492	1.341139	1.756133	-1.41243	0.590717	38.67264	5.16E-08	1.95E-07
LOC114269646	1.990241	1.890849	2.084256	0.537032	0.55637	0.812068	1.517172	1.396437	81.06721	3.66E-14	2.43E-13
LOC114269660	0.738881	0.687286	0.953029	11.27081	10.02377	11.61222	-3.887	2.494519	763.1706	1.82E-45	1.33E-43
LOC114269805	1.283984	0.858422	1.410766	19.83945	21.9382	21.83824	-4.25905	3.109026	1341.163	1.71E-55	2.75E-53
LOC114269943	6.340225	5.295471	6.468679	2.08977	2.443191	2.537595	1.238733	1.889354	78.86974	6.57E-14	4.26E-13
LOC114270034	0.314254	0.216241	0.306919	0.983833	1.124474	1.103772	-2.03492	0.273215	70.20183	7.18E-13	4.26E-12
LOC114270035	4.22901	3.809485	3.906286	0	0	0	10.74781	2.085634	734.4138	3.25E-44	2.19E-42
LOC114270056	0.693703	0.644072	0.695341	0	0	0.033454	5.482269	-0.03812	125.7453	1.02E-18	9.92E-18
LOC114270279	1.32573	1.291044	1.673162	0	0	0	8.947272	0.405559	205.9899	1.14E-24	1.79E-23
LOC114270403	0.598473	0.455087	0.426992	0.028258	0.022249	0	4.773774	0.151203	130.6164	3.74E-19	3.74E-18
LOC114270495	2.677395	2.438676	2.548281	0.961005	1.269242	1.218791	1.029569	1.745894	51.84369	1.83E-10	8.78E-10
LOC114270699	9.433092	8.457973	9.404853	0.158775	0	0	7.208092	0.764006	264.3224	2.13E-28	4.46E-27
LOC114270803	1.375113	1.622815	1.278449	0.624928	0.567746	0.690561	1.070788	1.278844	39.78129	1.07E-08	4.33E-08
LOC114270850	4.346176	3.874246	3.064167	0	0	0.049778	7.207662	0.760701	253.5333	8.52E-28	1.7E-26
LOC114270856	0.734963	0.891226	0.844805	0.061663	0.178022	0.155405	2.461312	0.469443	85.95838	1.02E-14	7.09E-14
LOC114270904	0	0	0	1.444432	1.268524	1.344112	-8.19916	-0.54109	145.5096	2.82E-20	3.09E-19
LOC114270907	1.141901	1.071481	1.022311	0	0.0908	0.08719	3.902573	-0.10548	93.82047	1.41E-15	1.05E-14

LOC114270932	0.461059	0.370822	0.343754	1.01772	0.966296	0.588416	-1.19839	0.251441	24.93176	2.93E-06	9.06E-06
LOC114271014	0.835635	0.741333	0.63992	0	0	0	8.503496	0.004236	150.3336	1.15E-20	1.3E-19
LOC114271090	1.627974	1.437722	1.297701	0	0	0	8.147263	-0.30953	116.9086	8.93E-18	7.99E-17
LOC114271121	0.31577	0.304763	0.413035	0.601348	0.58109	0.847322	-1.09177	0.112503	19.609	2.69E-05	7.35E-05
LOC114271198	5.472183	4.4364	5.023791	2.520021	1.601268	1.838459	1.247956	2.128797	87.85415	7.34E-15	5.18E-14
LOC114271221	2.858377	2.55931	2.686552	0.939039	0.911887	0.922973	1.442069	1.701745	94.03815	1.34E-15	1E-14
LOC114271227	0.79105	0.662862	0.707456	1.805845	1.527185	1.769891	-1.33186	1.025054	56.37958	4.35E-11	2.2E-10
LOC114271228	1.618083	1.702486	1.57384	0.144658	0.208815	0.27343	2.809177	1.135236	172.9388	1.39E-22	1.85E-21
LOC114271326	0.174326	0.168249	0.082088	2.7615	2.495113	2.738212	-4.29105	0.784941	272.7764	7.4E-29	1.61E-27
LOC114271391	0.840298	0.330061	0.644142	1.491989	1.454442	1.530922	-1.38445	0.73896	44.91271	2.64E-09	1.13E-08
LOC114271400	0.513136	0.4184	0.583246	1.383103	1.44357	1.459147	-1.60185	0.761898	65.87474	2.49E-12	1.41E-11
LOC114271423	1.105816	0.909915	1.425296	2.51272	2.495867	3.010439	-1.33045	1.469285	72.98563	3.28E-13	2.01E-12
LOC114271616	1.03512	1.276547	1.010959	2.508884	2.187062	2.303368	-1.17576	1.686359	68.39419	1.2E-12	6.98E-12
LOC114271632	1.276065	1.389891	1.64949	0.39419	0.441684	0.35535	1.746018	1.762788	128.6574	5.59E-19	5.53E-18
LOC114271635	0.020049	0.04515	0.022029	1.093359	1.090441	1.184873	-5.25039	-0.17119	161.896	9.56E-22	1.19E-20
LOC114271636	3.921036	4.049188	4.570031	15.7913	15.81323	16.31608	-2.04191	3.838244	894.263	3.08E-48	2.73E-46
LOC114271696	2.285667	2.258514	2.511358	0.084795	0.400586	0.064111	3.484409	-0.09804	83.23332	2.07E-14	1.4E-13
LOC114271737	3.659938	3.674631	4.322926	0	0	0.251511	5.21699	1.052465	245.2916	5.66E-23	7.82E-22
LOC114271780	0.880628	0.649038	1.09073	0.174635	0.114585	0.11003	2.62589	0.077705	68.5003	1.17E-12	6.78E-12
LOC114271922	1.437905	0.66875	0.858634	2.557032	1.92384	3.136233	-1.44347	0.80887	47.32536	3.7E-09	1.57E-08
LOC114271871	1.168828	0.990207	1.076315	0.101177	0.079663	0.076497	3.545455	0.756621	173.4231	1.28E-22	1.71E-21
LOC114271981	1.122551	0.710995	0.86723	0.255075	0.075314	0.096427	2.637281	0.004578	63.19907	6.28E-12	3.42E-11
LOC114272078	0.25774	0.306798	0.380283	0.655935	0.590242	0.769202	-1.20709	1.053057	46.03715	1.24E-09	5.47E-09
LOC114272223	0.528896	0.397024	0.59602	1.257265	1.067569	1.453828	-1.41264	1.011241	60.07219	1.4E-11	7.41E-11
LOC114272250	0.647312	0.50267	0.686704	1.05497	1.309868	1.288481	-1.10324	0.371878	24.65063	3.28E-06	1.01E-05
LOC114272378	3.77063	3.677256	4.10828	0.057358	0.045162	0.06505	5.942059	1.927339	592.3636	3.92E-41	2.13E-39

LOC114272623	1.271776	1.271716	1.147081	0.276043	0.230931	0.33915	2.008645	1.319302	122.7049	1.94E-18	1.83E-17
LOC114272733	8.447257	8.510372	6.893169	2.424569	1.909024	2.579979	1.682295	1.682601	115.1431	9.92E-18	8.84E-17
LOC114272818	1.342847	1.366887	1.416424	3.925218	4.289917	3.91269	-1.6628	2.952285	314.2386	5.8E-31	1.48E-29
LOC114272947	0	0	0	78.8898	57.78156	80.453	-11.6997	2.954388	932.2815	1.1E-13	7.01E-13
LOC114273000	2.461737	2.720579	2.804992	9.944442	6.981678	8.207905	-1.74435	1.89111	154.8241	3.44E-21	4.08E-20
LOC114273031	0.049973	0.056269	0	13.89872	15.44948	13.32438	-8.45096	2.135252	944.509	3.33E-49	3.26E-47
LOC114273051	0.872409	1.115078	1.075133	0.085723	0.185613	0.162032	2.650444	0.677899	111.3826	2.29E-17	1.97E-16
LOC114273071	0	0	0	2.754758	2.169004	3.124184	-8.26265	-0.48394	150.0333	1.21E-20	1.37E-19
LOC114273087	0.825865	0.906078	1.00048	0	0	0	8.056047	-0.38551	109.8025	4.24E-17	3.57E-16
LOC114273215	2.923398	2.869722	2.141373	0.817572	0.858305	1.030235	1.425755	-0.30226	20.61112	1.75E-05	4.91E-05
LOC114273256	1.626925	0.557539	1.165807	2.250241	2.885445	2.187436	-1.21228	0.653407	28.99363	1.93E-06	6.12E-06
LOC114273339	2.77277	2.662996	3.180965	0.148247	0	0.056043	5.296212	0.270033	157.1643	2.24E-21	2.7E-20
LOC114273412	2.416826	2.123589	2.210331	0.076185	0.16996	0.192005	3.777379	2.380153	545.4601	9.45E-40	4.68E-38
LOC114273576	0.870765	1.055901	0.910748	2.237361	2.240976	2.347528	-1.3761	2.560374	161.3394	1.06E-21	1.31E-20
LOC114273550	0.868308	0.832866	0.812706	8.652124	9.205935	9.149413	-3.5245	2.235487	598.4852	2.63E-41	1.45E-39
LOC114273585	1.789723	1.70856	1.695701	0	0.009281	0	8.564265	2.033756	692.7174	8.54E-44	5.63E-42
LOC114273654	5.008101	6.117001	7.461165	1.38872	2.551341	2.099939	1.47061	0.638362	42.42464	4.24E-09	1.78E-08
LOC114273635	0.392558	0.263107	0.390242	0.067962	0.040133	0.025692	2.893867	-0.43162	52.60244	1.43E-10	6.94E-10
LOC114273660	0.914244	1.173558	0.924157	0.066477	0.026171	0.025131	4.5517	-0.03458	113.3596	1.47E-17	1.29E-16
LOC114273703	2.197972	1.836225	2.142342	0.064444	0.050741	0	5.544107	0.017219	134.3196	1.77E-19	1.82E-18
LOC114273942	1.001547	0.392257	0.861215	2.216423	1.308853	1.496223	-1.19967	-0.1758	17.70047	6.33E-05	0.000164
LOC114274027	0.221187	0.249056	0.171549	1.371798	1.005617	1.609409	-2.72917	0.865569	159.491	1.47E-21	1.8E-20
LOC114274137	0.593646	0.454542	0.391358	1.122309	1.053604	0.750635	-1.09366	-0.03669	17.38238	7.07E-05	0.000182
LOC114274181	8.552298	6.996702	9.029706	18.58299	17.11804	17.26409	-1.20563	2.566314	125.319	1.12E-18	1.08E-17
LOC114274208	6.584045	6.172269	6.179883	2.653507	2.965905	2.974281	1.027811	3.75486	226.0705	3.57E-26	6.36E-25
LOC114274294	0.031803	0.017905	0.087359	0.664843	0.546235	0.480813	-3.64487	-0.7238	73.66455	2.72E-13	1.68E-12

LOC114274508	0	0	0.037076	7.544914	5.312742	8.023376	-8.73581	1.659961	635.3903	5.57E-39	2.62E-37
LOC114274530	8.279317	7.415619	8.122171	1.417076	1.365841	1.330024	2.431545	3.371945	755.8271	2.67E-45	1.93E-43
LOC114274552	0.039912	0	0	3.047214	3.313283	3.510714	-7.42743	0.342805	271.4757	8.69E-29	1.88E-27
LOC114274563	1.663998	1.703325	1.828304	0.714965	0.43303	0.332654	1.748683	0.269153	44.35155	2.19E-09	9.46E-09
LOC114274627	7.510749	6.724913	6.661555	49.51342	41.0575	45.02221	-2.79037	3.149454	842.0088	3.51E-47	2.89E-45
LOC114274640	0.654365	0.614011	0.479318	1.486897	1.201953	1.483942	-1.34914	1.477429	76.25582	1.33E-13	8.44E-13
LOC114274685	0.368981	0.249283	0.216222	1.565066	1.866024	0.946639	-2.45236	0.133607	76.9296	2.45E-13	1.52E-12
LOC114274673	9.429527	11.07926	9.00923	0.745269	1.7604	0.845213	2.966609	-0.12392	70.10166	7.39E-13	4.37E-12
LOC114274715	4.490481	3.725674	4.522722	1.432086	1.014819	1.163964	1.731826	2.080832	155.9847	2.78E-21	3.32E-20
LOC114274740	1.999705	1.533461	2.235042	15.51188	15.37178	13.3155	-3.03486	3.899635	1326.283	3.32E-36	1.27E-34
LOC114274826	1.31834	0.878551	0.916408	2.151965	2.15649	2.033795	-1.11457	0.864967	35.07894	5.84E-08	2.19E-07
LOC114274883	0.880155	0.660702	0.800687	0	0	0	9.001818	0.450828	214.388	3.3E-25	5.46E-24
LOC114275120	5.212966	2.362232	3.911602	0	0	0	8.56008	0.047476	108.5219	3.08E-10	1.45E-09
LOC114275138	3.87285	2.562938	3.546051	0	0	0	9.250874	0.676697	246.207	4.36E-26	7.69E-25
LOC114275194	1.876015	1.749322	1.916324	0.772637	0.482483	0.604311	1.492634	1.389629	78.17585	7.92E-14	5.1E-13
LOC114275248	4.717029	3.374278	3.841367	1.00879	1.032574	1.44916	1.650124	0.583906	51.3243	2.16E-10	1.03E-09
LOC114275315	3.181797	2.763125	3.358876	7.825329	8.274732	8.803286	-1.52858	3.071497	295.8804	4.65E-30	1.11E-28
LOC114275316	1.828488	2.305939	2.009036	6.115912	6.385724	6.332946	-1.72457	0.818136	78.35385	7.55E-14	4.87E-13
LOC114275432	1.913866	1.293005	1.653271	0.623833	0.717886	0.616787	1.206629	1.422968	53.00138	1.26E-10	6.15E-10
LOC114275470	0.320807	0.268821	0.393471	0.027124	0.032035	0.020508	3.472478	-0.27211	74.56186	2.12E-13	1.32E-12
LOC114275469	1.264808	1.499127	1.414078	0.24202	0.317598	0.243979	2.246026	0.304081	68.79662	1.07E-12	6.25E-12
LOC114275472	14.01123	13.46271	12.52104	3.565788	3.609748	3.260858	1.8362	3.748751	616.2393	8.43E-42	4.88E-40
LOC114275493	0.030346	0.034169	0.100027	1.268759	1.737354	2.085371	-4.98024	-0.14978	152.3186	5.47E-21	6.35E-20
LOC114275517	9.176877	10.10146	9.506522	3.160589	3.018645	3.011776	1.543122	4.198389	568.6038	1.91E-40	9.91E-39
LOC114275532	4.263192	4.940843	4.844093	0.075607	0.238122	0.257239	4.421503	1.851717	443.3622	2.38E-36	9.19E-35
LOC114275742	2.82584	3.508999	3.220938	1.536261	1.2096	1.4519	1.083545	1.43132	45.20928	1.63E-09	7.15E-09

LOC114276093	3.8829	2.832652	4.686925	1.690044	1.878612	0.90197	1.264328	0.632082	30.71777	3.88E-07	1.33E-06
LOC114276096	8.918011	6.342101	7.271585	4.010176	2.955937	3.419033	1.032071	1.845552	51.78218	2.07E-10	9.88E-10
LOC114276215	0.417073	0.313082	0.400973	0.821344	0.522333	0.883721	-1.06447	0.033873	17.39586	7.03E-05	0.000181
LOC114276232	1.316003	1.414462	1.544535	2.881585	3.274869	3.000822	-1.21042	2.200345	100.8492	2.59E-16	2.05E-15
LOC114276279	0.554982	0.277737	0.383937	2.466099	2.147664	2.373055	-2.59389	1.030433	170.261	2.2E-22	2.87E-21
LOC114276329	3.950466	4.880081	4.410777	0.02324	0	0	8.931181	2.389518	836.7997	2.14E-46	1.69E-44
LOC114276391	1.627648	1.832728	2.465044	0.079967	0	0.060461	5.164543	-0.30824	96.56542	7.22E-16	5.51E-15
LOC114276413	0.711115	0.950847	1.025498	4.968737	4.007637	5.161661	-2.50201	1.952942	292.5553	6.85E-30	1.61E-28
LOC114276430	0.992159	0.913361	1.112224	1.96199	2.168484	1.73217	-1.06153	2.756755	110.2455	3.04E-17	2.59E-16
LOC114276477	0.04872	0.137147	0.026765	1.284189	1.290059	1.17182	-4.19081	-0.25127	122.8732	1.87E-18	1.77E-17
LOC114276494	0.218452	0.17363	0.183546	0.840931	1.011573	1.112654	-2.46685	0.512378	113.4382	1.45E-17	1.27E-16
LOC114276500	7.207326	7.265245	8.522342	0.748665	2.357894	1.886809	2.031062	1.105221	98.4542	1.11E-15	8.35E-15
LOC114276485	0	0	0	1.345604	1.147774	1.568446	-8.19773	-0.54607	143.8235	3.89E-20	4.21E-19
LOC114276556	0.115655	0.047356	0.080866	0.917415	0.887878	0.809234	-3.47215	0.475811	173.0013	1.37E-22	1.83E-21
LOC114276575	0	0	0	2.973625	2.752092	2.800474	-9.36104	0.593042	340.703	7.52E-32	2.04E-30
LOC114276611	0.382367	0.380867	0.307013	1.176282	1.410296	1.637214	-2.09398	0.89452	112.7563	1.68E-17	1.47E-16
LOC114276759	3.579799	3.58034	3.586221	0.38279	0.482234	0.434124	2.921285	1.567724	253.9648	8.05E-28	1.61E-26
LOC114276807	2.658837	2.138461	3.199602	8.055485	9.604537	9.22277	-1.8552	0.516647	71.13321	5.52E-13	3.31E-12
LOC114276862	0.195926	0.441225	0.172218	1.994492	1.738653	1.130981	-2.6556	-0.40358	59.76108	1.63E-11	8.58E-11
LOC114276873	0.175399	0.098749	0.057815	2.42321	1.933059	2.02497	-4.29624	0.959767	296.3012	4.43E-30	1.06E-28
LOC114276912	1.555649	1.492152	1.456033	16.23419	19.87435	17.65898	-3.68021	2.377767	664.9033	4.3E-43	2.69E-41
LOC114276913	0.541662	0.481508	0.344558	1.191937	0.979296	1.214645	-1.39283	-0.17234	25.42049	2.4E-06	7.51E-06
LOC114277093	0.510978	0.655271	0.483456	1.780327	1.869026	1.677687	-1.79639	1.335168	117.9265	5.4E-18	4.92E-17
LOC114277232	1.200006	0.97587	1.611496	2.908529	2.385498	2.565559	-1.1409	-0.10661	18.2243	4.89E-05	0.000129
LOC114277274	0.23596	0.281319	0.358388	0	0	0	8.020239	-0.41526	104.327	1.46E-16	1.18E-15
LOC114277354	0.493587	0.666933	0.705022	1.749644	1.342287	1.526368	-1.40398	0.447581	40.3745	8.67E-09	3.54E-08

LOC114277490	2.099653	1.818619	1.985859	0.587199	0.616455	0.718798	1.503519	2.368292	152.2999	5.49E-21	6.37E-20
LOC114277525	0.500786	0.583328	0.626129	0.156955	0.123581	0.142403	1.897105	-0.47532	28.9413	5.96E-07	2E-06
LOC114277560	4.167872	3.96522	4.45697	0	0	0	10.18579	1.552179	506.335	4.7E-38	2.06E-36
LOC114277609	0.053112	0.093978	0.091703	0.151719	0.217197	0.192921	-1.36846	0.156929	30.37829	3.42E-07	1.18E-06
LOC114277655	2.581452	2.794913	3.109075	0.541456	0.426324	0.818757	2.108158	0.19538	56.93846	3.66E-11	1.86E-10
LOC114277638	6.086368	5.744625	5.654741	0.027117	0	0.020503	8.288831	2.563157	997.5705	3.58E-50	3.74E-48
LOC114277671	7.269087	6.711227	6.515588	0.40264	0.172923	0.359773	4.370957	3.399795	1359.78	5.94E-51	6.84E-49
LOC114277727	2.381014	1.450386	2.744781	0.354775	0.223471	0.107294	3.199511	0.065511	81.99935	6.4E-14	4.16E-13
LOC114277740	1.01672	1.026395	0.924507	2.294337	2.308285	2.216534	-1.30175	1.519089	76.50445	1.25E-13	7.91E-13
LOC114277812	1.070778	0.954508	1.098075	0.210869	0.166031	0.257544	2.183615	1.146547	123.1002	1.78E-18	1.69E-17
LOC114277814	8.66584	8.648885	6.708343	2.685162	2.114206	2.300859	1.663403	0.753522	59.27631	1.78E-11	9.35E-11
LOC114277827	0.042322	0.035741	0.023251	1.250184	1.468958	1.526904	-5.42601	1.070801	399.7961	1.07E-34	3.62E-33
LOC114277863	0	0.020526	0.040059	5.699755	5.270551	6.088298	-8.08858	2.268654	1017.143	1.61E-50	1.76E-48
LOC114277898	3.716654	3.798642	4.397769	0	0	0.157174	5.796783	0.240956	159.6924	1.42E-21	1.74E-20
LOC114277971	1.902297	1.521118	1.938674	0.050116	0	0.037892	5.702695	0.156176	151.111	6.85E-21	7.88E-20
LOC114278001	0.826767	0.489967	0.776924	1.680892	1.370189	1.435337	-1.18254	1.630906	62.53187	8.81E-12	4.75E-11
LOC114278049	11.07793	11.77128	12.00562	4.467408	3.815121	3.793386	1.432842	3.6322	371.2032	1.59E-33	4.84E-32
LOC114278121	0.732349	0.864849	1.099051	0.03247	0.025566	0	5.327636	-0.1667	109.9089	3.19E-17	2.72E-16
LOC114278132	1.638856	1.779443	2.025764	0.656122	0.865668	0.804444	1.101672	2.025752	67.83913	1.41E-12	8.14E-12
LOC114278306	0.525546	0.495602	0.541349	0.023884	0.018805	0	5.085657	0.429626	174.3412	1.09E-22	1.47E-21
LOC114278393	2.765058	3.304068	3.348093	1.743847	1.049977	1.085799	1.202768	0.34738	24.73062	3.18E-06	9.79E-06
LOC114278410	0.457956	0.36669	0.514357	1.035977	0.75743	0.937128	-1.116	1.042459	39.46733	1.19E-08	4.81E-08
LOC114278471	1.997485	2.249164	2.320133	0.103745	0	0	5.764943	-0.51276	88.38484	5.49E-15	3.92E-14
LOC114278476	10.07695	8.715522	9.627796	2.74329	3.2748	3.880608	1.397007	2.009154	104.9635	9.88E-17	8.1E-16
LOC114278535	0	0	0	10.02235	9.360665	9.249888	-11.7017	2.95647	1786.177	8.09E-60	1.85E-57
LOC114278582	0.033801	0.095149	0	1.566821	1.161094	0.998802	-4.86727	0.207577	176.6183	1.34E-21	1.64E-20

LOC114278629	0.726942	0.993936	0.74167	4.593616	3.691178	4.258109	-2.44951	2.148365	321.8436	2.52E-31	6.58E-30
LOC114278650	0.507674	0.542574	0.614529	0.09385	0.110842	0.118262	2.228258	0.341766	70.29053	7E-13	4.16E-12
LOC114278676	0.186297	0	0.307038	10.32895	11.33241	9.281672	-5.99573	1.788091	606.1533	6.55E-37	2.63E-35
LOC114278843	1.149422	0.699593	1.228785	0.225886	0.044464	0.512356	1.825868	-0.46128	23.31506	9.19E-06	2.67E-05
LOC114278881	0.147713	0.304929	0.189348	5.101807	5.250279	5.718311	-4.74871	1.79743	587.7097	5.32E-41	2.86E-39
LOC114278935	1.359405	0.892901	0.995757	1.956332	2.26999	2.80255	-1.21965	-0.0442	21.69	1.11E-05	3.2E-05
LOC114278970	1.90938	1.329065	1.411325	3.281589	3.378833	3.005961	-1.14566	1.089905	43.25278	3.19E-09	1.36E-08
LOC114279186	0.226994	0.159747	0.405288	0.618953	0.812237	0.604463	-1.4686	0.072556	31.34971	2.53E-07	8.84E-07
LOC114279266	1.325088	1.10522	1.348083	2.587202	2.177564	2.49572	-1.03391	0.242955	19.93728	2.34E-05	6.43E-05
LOC114279388	3.264907	2.576408	2.940402	6.762029	7.10531	7.319428	-1.37448	3.515019	340.5746	3.44E-32	9.61E-31
LOC114279353	0.527116	0.758402	0.611341	2.342275	1.928057	2.53564	-1.94893	0.616953	81.96127	2.89E-14	1.94E-13
LOC114279469	1.731124	2.070229	1.482293	4.449028	4.18653	3.560679	-1.30484	2.901824	164.5206	2.28E-19	2.33E-18
LOC114279484	0.344252	0.310101	0.151297	0.834384	0.591269	0.946279	-1.63752	-0.42721	27.16719	1.2E-06	3.87E-06
LOC114279485	1.114632	0.952124	1.182461	2.864629	2.090475	3.275202	-1.43798	0.630528	47.54396	7.47E-10	3.38E-09
LOC114279504	4.114033	3.210167	3.647929	0.918422	1.497921	1.587179	1.31581	1.125004	50.85878	2.51E-10	1.19E-09
LOC114279847	3.257674	2.017474	2.863474	10.26458	7.848848	8.208469	-1.7706	1.697225	137.9065	1.22E-19	1.28E-18
LOC114279881	0.507155	0.504433	0.622243	0	0	0	8.638927	0.127896	166.5293	6.38E-22	8.03E-21
LOC114279865	4.302255	3.708005	4.921596	9.848328	8.337078	8.954694	-1.16686	3.526817	235.736	2.54E-25	4.25E-24
LOC114279866	8.191216	7.168361	8.720237	17.82191	16.34073	17.35366	-1.19964	4.181371	370.87	1.64E-33	4.99E-32
LOC114280001	0.185095	0	0.122023	5.181637	4.556712	5.698442	-5.63274	1.115395	391.8246	7.43E-34	2.33E-32
LOC114280005	1.172509	1.386255	1.996842	4.262825	3.020765	2.49782	-1.17782	0.345182	25.23603	2.68E-06	8.32E-06
LOC114280127	3.670484	2.933066	3.837773	0.107617	0.084734	0.081366	5.04041	0.041549	131.4969	3.12E-19	3.15E-18
LOC114280170	1.852022	1.692832	1.496246	0.514899	0.608121	0.763626	1.291856	1.712588	74.10712	2.41E-13	1.49E-12
LOC114280251	0.238776	0.053772	0.209882	1.909827	1.435382	1.969039	-3.41821	-0.6359	73.92258	2.53E-13	1.56E-12
LOC114280252	0.313564	0.211843	0.13781	1.311007	0.942483	1.93933	-2.73224	-0.29311	67.75397	1.8E-12	1.03E-11
LOC114280275	0.185801	0.133134	0.334059	0.583391	0.41099	0.766093	-1.5333	-0.38129	24.21616	4.05E-06	1.23E-05

LOC114280352	0.516595	0.581685	0.690109	9.032715	8.681283	8.836796	-4.00011	5.302613	5283.276	1.49E-61	3.8E-59
LOC114280369	0.308008	0.520225	0.300819	0.96428	0.979666	1.058317	-1.52586	0.334854	42.69022	3.87E-09	1.63E-08
LOC114280383	1.465953	1.406118	1.600762	0	0	0	9.993086	1.370869	441.7895	7.15E-36	2.65E-34
LOC114280420	0.972048	0.985072	0.534015	0	0.034782	0.066799	4.26298	-0.62092	63.7328	5.17E-12	2.84E-11
LOC114280462	3.42426	3.183432	3.415081	0.542666	0.552946	0.410293	2.635216	1.756186	249.0766	1.53E-27	2.99E-26
LOC114280498	0.7774	0.7503	0.65079	0	0	0	7.92999	-0.49689	100.1709	3.84E-16	3E-15
LOC114280588	21.19684	20.12529	20.85537	48.86994	44.4688	47.60748	-1.28444	5.393896	963.0229	1.51E-49	1.52E-47
LOC114280591	2.486873	2.204423	2.616157	0.577109	0.605862	0.599961	1.92375	1.818963	162.8888	8.01E-22	1E-20
LOC114280603	2.371061	2.061499	2.374345	0.109118	0.107395	0.226878	3.778484	1.338586	276.6032	4.62E-29	1.02E-27
LOC114280622	1.110689	0.924382	0.63671	3.072445	2.350022	3.451288	-1.81735	0.314596	57.2476	3.32E-11	1.7E-10
LOC114280725	1.967744	1.940526	2.091387	0.023379	0.128856	0.106058	4.322463	1.349291	310.8397	8.47E-31	2.14E-29
LOC114280844	0.656503	0.532239	0.533782	1.432086	1.108784	1.245171	-1.22	1.110035	49.75412	3.6E-10	1.69E-09
LOC114280897	3.766686	3.908631	5.437004	1.074065	1.797075	1.116593	1.582292	0.337024	38.65102	1.6E-08	6.36E-08
LOC114280902	2.652835	3.101975	2.914781	0.989206	0.778868	1.262096	1.396092	0.865783	47.75241	6.97E-10	3.16E-09
LOC114281071	0.558545	0.911934	0.690408	0.101533	0.039972	0.057575	3.342193	-0.06029	80.70005	4.03E-14	2.67E-13
LOC114281122	0.99861	0.986344	0.789224	5.286646	5.040169	4.815751	-2.54419	2.389076	411.6481	3.69E-35	1.29E-33
LOC114281124	0.581353	0.327301	0.638757	4.931718	4.853837	3.462386	-3.14072	-0.33161	83.94279	1.72E-14	1.17E-13
LOC114281237	13.9322	11.19085	12.46571	1.897407	1.883681	1.933553	2.609937	2.275473	339.5738	3.81E-32	1.06E-30
LOC114281260	1.414718	1.632793	0.971506	3.728971	4.606587	5.006799	-1.84796	1.337679	118.4172	5.97E-18	5.42E-17
LOC114281396	8.144186	7.906316	8.101891	3.441087	2.740901	2.510945	1.387793	2.908339	193.655	4.6E-24	6.92E-23
LOC114281415	0	0	0	1.586653	0.654383	1.542369	-7.64172	-1.05065	89.43248	1.51E-14	1.04E-13
LOC114281469	1.406229	1.502625	1.403188	0.417351	0.61614	0.394433	1.474129	1.0735	60.74761	1.14E-11	6.09E-11
LOC114281665	4.425736	4.188919	4.524463	2.122067	1.964619	2.027577	1.001513	2.91936	113.0237	1.59E-17	1.39E-16
LOC114281724	2.249629	2.247294	2.028112	0	0	0.015856	8.062695	1.558086	489.9824	5.61E-38	2.45E-36
LOC114281771	1.38928	1.032455	1.083787	0.454583	0.497116	0.515545	1.146776	0.919577	35.01626	5.97E-08	2.24E-07
LOC114281785	0.995401	1.120819	1.173229	0.427691	0.310845	0.472609	1.329038	0.426272	32.00646	1.84E-07	6.52E-07

LOC114281818	2.498273	2.309479	2.338296	5.130116	4.414515	5.129243	-1.13772	2.850799	142.8076	3.32E-20	3.61E-19
LOC114281833	2.674715	2.81831	2.857936	0.758318	0.913172	1.07923	1.470771	1.242064	69.88677	7.85E-13	4.64E-12
LOC114281846	5.355874	5.307018	5.237403	2.081075	2.242252	2.263542	1.161103	4.06731	330.1768	1.03E-31	2.76E-30
LOC114281877	1.545871	1.592156	1.545566	0.266362	0.230697	0.16111	2.746098	1.900944	283.9886	1.89E-29	4.32E-28
LOC114281944	0.267797	0.244102	0.210171	0.625894	0.547564	0.718592	-1.48609	0.109377	35.66238	4.71E-08	1.79E-07
LOC114281966	0.40776	0.336701	0.343485	1.161269	0.66144	0.971405	-1.43219	0.561006	43.85472	2.59E-09	1.11E-08
LOC114281977	1.699257	1.360611	1.265441	0.171608	0.108095	0.051899	3.642798	0.438466	133.3184	2.16E-19	2.21E-18
LOC114282055	0.445055	0.513354	0.608269	0.197325	0.124293	0.074596	1.920492	0.008625	41.1821	6.53E-09	2.7E-08
LOC114282056	0.755085	0.960438	0.983281	0.305024	0.26018	0.288275	1.548777	0.457142	42.40448	4.27E-09	1.79E-08
LOC114282191	0.146572	0.135915	0.189464	0.329134	0.382553	0.272548	-1.15748	-0.14887	18.12072	5.12E-05	0.000135
LOC114282195	1.98554	1.709663	2.352701	1.132347	0.501509	0.96315	1.139039	0.268409	20.6131	1.75E-05	4.91E-05
LOC114282235	0.688364	0.616913	0.679157	0.025537	0.060321	0.077232	3.389375	-0.17936	79.44318	5.64E-14	3.69E-13
LOC114282317	2.383912	1.742427	2.067872	0	0	0	9.261755	0.687525	255.8546	1.18E-27	2.32E-26
LOC114282450	1.645069	1.617126	1.577982	6.787828	8.147572	6.818836	-2.27454	2.384706	340.4171	3.49E-32	9.73E-31
LOC114282571	0.199383	0.164637	0.160652	0.434932	0.532702	0.730754	-1.80883	-0.16465	40.63719	7.91E-09	3.24E-08
LOC114282606	2.855214	3.709574	3.23367	0.798503	1.194557	1.388565	1.384333	0.683678	40.62851	7.93E-09	3.25E-08
LOC114282615	2.532226	2.669836	2.478743	0.167387	0.197692	0.411307	3.135129	0.967692	171.5886	1.75E-22	2.31E-21
LOC114282641	1.291978	1.283616	1.085538	2.693966	3.372066	4.073652	-1.5903	0.912549	70.03782	7.52E-13	4.45E-12
LOC114282715	1.328466	1.203976	1.388439	0.176701	0	0.044533	4.113825	-0.40792	75.67845	1.56E-13	9.82E-13
LOC114282788	0.85205	0.702005	0.776347	0.075555	0.208213	0.199937	2.086749	-0.34517	36.71295	3.21E-08	1.24E-07
LOC114282820	0.453059	0.351432	0.51992	0.786978	0.821383	1.07932	-1.13532	1.044522	40.53838	8.19E-09	3.35E-08
LOC114282827	0.581728	0.229258	0.383501	1.427594	1.332195	0.919455	-1.67239	-0.17794	33.30448	1.15E-07	4.17E-07
LOC114282900	0.369975	0.317925	0.449297	0.035397	0.027871	0.080288	2.802862	-0.37676	53.01344	1.26E-10	6.12E-10
LOC114283211	0	0.036523	0.035639	2.771295	2.83199	2.719422	-6.71651	0.398234	274.3331	6.11E-29	1.34E-27
LOC114283222	0.707834	0.626229	0.624959	0.206794	0.253279	0.138978	1.607581	0.159209	36.00647	4.15E-08	1.58E-07
LOC114283259	1.585973	1.233827	0.855446	3.878967	2.889078	2.893137	-1.46504	1.245171	69.96485	1.64E-12	9.42E-12

LOC114283258	3.92978	4.354964	3.99355	0	0.088927	0.106741	5.702791	2.035341	575.6935	4.6E-40	2.32E-38
LOC114283357	23.12319	20.28042	22.98901	9.959509	9.879412	9.872117	1.054935	4.472778	325.2434	1.74E-31	4.6E-30
LOC114283447	0.565811	0.56429	0.426295	0.205709	0.023138	0.15553	1.955067	-0.51293	27.17559	1.23E-06	3.99E-06
LOC114283471	2.51973	2.976745	2.768532	0	0	0	9.685841	1.086214	351.6141	2.5E-32	7.04E-31
LOC114283453	2.149194	1.613325	1.475881	4.395207	4.934614	4.123084	-1.45343	1.105728	67.92637	1.37E-12	7.94E-12
LOC114283532	5.699549	5.467978	5.546236	2.044276	2.341228	2.792645	1.097622	3.231579	167.3018	3.68E-22	4.72E-21
LOC114283701	1.089572	0.670937	0.785635	0	0.048734	0	5.334026	-0.17177	106.0074	1.17E-16	9.52E-16
LOC114283738	0.440978	0.463437	0.710631	0.961943	1.094024	1.373781	-1.21075	-0.12168	19.9893	2.29E-05	6.3E-05
LOC114283823	0.056909	0.09612	0.125057	17.79357	15.72059	17.4422	-7.56811	3.21554	2105.994	8.73E-64	2.72E-61
LOC114283968	1.776161	1.551688	1.716011	0.055668	0	0	6.287049	-0.06374	132.4479	2.58E-19	2.62E-18
LOC114283980	5.011807	5.220037	5.024847	0.341646	0.089667	0	5.117935	0.460738	176.0277	8.22E-23	1.12E-21
LOC114284014	2.517117	2.186436	2.291548	5.033236	3.860066	5.090444	-1.09388	1.580598	55.46729	5.79E-11	2.9E-10
LOC114284029	1.659896	1.797153	1.739621	5.849102	4.769864	5.018992	-1.68596	3.059327	340.4492	3.48E-32	9.72E-31
LOC114284102	3.775113	3.795329	3.851597	0.980354	0.868385	1.297128	1.7331	0.248197	44.45117	2.11E-09	9.16E-09
LOC114284141	1.040055	0.775458	0.911113	0.153295	0.140816	0.25112	2.186094	0.354247	67.40365	1.6E-12	9.18E-12
LOC114284224	4.141383	4.707599	3.986938	0.143396	0.056453	0.027104	5.770134	1.769814	494.4389	3.98E-38	1.75E-36
LOC114284429	1.350727	1.520915	1.079345	0.446433	0.632711	0.573808	1.12567	0.313384	21.49503	1.21E-05	3.45E-05
LOC114284422	1.040262	0.8833	1.030555	0.403002	0.414944	0.468766	1.083692	0.425364	22.55947	7.75E-06	2.27E-05
LOC114284446	2.969212	3.072246	2.931749	0	0.028715	0	7.723043	1.240667	386.8684	3.56E-34	1.15E-32
LOC114284449	3.084171	2.778215	3.162793	0.041529	0	0	7.545294	1.074896	337.0766	4.95E-32	1.36E-30
LOC114284483	0.680633	0.418032	0.815826	6.411306	5.667983	6.633277	-3.3664	0.768662	207.0295	5.81E-25	9.37E-24
LOC114284486	1.276419	1.634513	1.484952	0	0	0.034398	6.371646	0.0136	140.1698	5.54E-20	5.93E-19
LOC114284487	1.896513	1.621375	1.659305	0	0	0	8.255364	-0.21495	127.0979	1.05E-18	1.02E-17
LOC114284607	0.510315	0.336359	0.28719	1.153921	0.926373	0.718484	-1.36296	0.705042	42.39263	5.67E-09	2.36E-08
LOC114284587	0	0	0	2.403133	2.393009	2.778844	-8.76392	-0.00294	219.4804	1.59E-25	2.7E-24
LOC114284799	1.707365	1.281659	1.908864	0	0	0	8.403587	-0.08465	137.9144	1.21E-19	1.26E-18

LOC114284839	1.1347	1.241679	1.123824	2.135312	2.413256	2.09768	-1.03374	2.696417	103.8874	1.27E-16	1.03E-15
LOC114284945	0.07993	0	0.105386	0.435894	0.640655	0.790958	-3.39595	-0.54216	72.35924	1.03E-12	6.02E-12
LOC114285035	2.883393	2.14922	2.231059	0.812062	0.930023	1.060504	1.254778	0.425949	28.7726	6.37E-07	2.13E-06
LOC114285036	6.962058	7.240845	7.649504	3.188097	2.814467	2.33738	1.297471	1.552557	69.06823	9.91E-13	5.8E-12
LOC114285057	3.08003	3.325092	3.488822	0.288605	0.181791	0.218206	3.737503	0.836341	193.306	4.86E-24	7.3E-23
LOC114285140	0.241261	0.353157	0.424133	1.798134	1.17407	1.757421	-2.30936	0.296274	83.2429	2.06E-14	1.4E-13
LOC114285192	1.249776	1.219612	1.037515	0.100972	0.159004	0.190855	2.783024	-0.27411	58.57428	2.21E-11	1.15E-10
LOC114285278	1.216349	1.059695	1.199881	0.112976	0.076246	0.09762	3.495846	1.159553	229.7813	2.12E-26	3.82E-25
LOC114285326	0.017736	0	0	2.772718	2.513155	2.657025	-8.27108	1.191275	506.1985	1.63E-38	7.38E-37
LOC114285328	2.179811	1.929609	2.154038	0.099686	0.156978	0.207266	3.590045	1.359817	270.9681	9.25E-29	1.99E-27
LOC114285351	5.019496	5.298695	5.297427	1.230613	1.819723	1.588538	1.623181	2.631693	203.6621	9.7E-25	1.53E-23
LOC114285392	13.69963	12.02631	12.67402	24.54106	25.60068	24.5048	-1.0634	4.336327	324.477	1.89E-31	4.98E-30
LOC114285429	0.366557	0.512369	0.416639	1.654348	1.664405	1.963065	-2.14272	1.4166	167.578	3.51E-22	4.5E-21
LOC114285547	0.672386	0.478171	0.427714	1.929911	2.355298	2.407593	-2.18437	1.265582	153.4266	4.45E-21	5.22E-20
LOC114285751	0.733337	0.412868	0.512749	1.636048	1.908399	1.92417	-1.81103	0.165584	52.31476	1.57E-10	7.59E-10
LOC114285812	0.157602	0.070984	0.034633	4.240084	2.797121	4.722056	-5.46694	0.95456	327.6517	3.95E-29	8.77E-28
LOC114285874	5.580276	5.328304	6.082231	0.040576	0	0	8.489343	1.96357	650.075	1.04E-42	6.42E-41
LOC114285939	0.712616	0.412665	0.738239	1.887596	1.049103	1.06337	-1.15055	0.571268	26.33817	2.7E-06	8.37E-06
LOC114285948	2.037155	2.186068	2.148174	0.124268	0.156551	0.131537	3.813445	1.374401	295.6415	4.78E-30	1.14E-28
LOC114285978	1.208793	1.069435	0.917057	0.680138	0.288356	0.316451	1.273296	-0.19891	17.59523	6.44E-05	0.000167
LOC114285966	0.046646	0.052524	0	6.190005	6.676441	7.565053	-7.49636	1.168296	485.5512	7.9E-38	3.4E-36
LOC114286102	2.031471	2.033273	1.488041	0.102579	0	0	5.547056	-0.69918	73.45873	2.88E-13	1.77E-12
LOC114286117	8.755768	7.938396	6.746724	0	0.081377	0	7.609732	1.132639	344.1453	2.37E-32	6.69E-31
LOC114286222	0.475479	0.635774	0.63671	0.216084	0.233939	0.22464	1.247118	-0.1319	18.59723	4.16E-05	0.000111
LOC114286330	2.540841	3.061753	2.742751	0	0	0.122531	5.640946	0.104461	141.0622	4.65E-20	5.01E-19
LOC114286332	15.17436	14.90507	16.43621	0	0.30807	0.443737	5.64433	1.211222	334.5236	6.47E-32	1.77E-30

LOC114286403	1.117617	1.400899	0.857264	2.683283	2.806908	2.927195	-1.42795	1.522498	85.68806	1.09E-14	7.58E-14
LOC114286419	0.655076	0.401349	0.582158	1.36593	1.254735	1.363744	-1.37316	1.581562	83.42407	1.97E-14	1.34E-13
LOC114286406	0	0	0	5.868997	5.941351	4.437371	-8.86447	0.103576	231.3013	3.03E-26	5.43E-25
LOC114286437	1.020321	1.302063	1.868449	6.677143	5.354717	5.609317	-2.16832	0.718995	102.9737	1.57E-16	1.27E-15
LOC114286448	6.96449	7.686714	6.667243	2.005576	3.355637	2.937939	1.222617	1.171011	46.48715	1.06E-09	4.73E-09
LOC114286515	0.399898	0.370822	0.258462	0.897989	1.111072	1.163901	-1.72919	-0.07763	40.55528	8.14E-09	3.33E-08
LOC114286537	0.166859	0.243552	0.244447	0.05617	0.017691	0.025481	2.65032	-0.48471	44.28063	2.24E-09	9.68E-09
LOC114286582	0.232094	0.348449	0.510022	0.808651	1.079629	1.010133	-1.5397	0.120879	36.44791	3.54E-08	1.36E-07
LOC114286653	1.504125	1.463995	1.876732	0.417086	0.474355	1.086192	1.131504	0.528089	23.38821	6.55E-06	1.94E-05
LOC114286801	3.226212	1.835079	2.813893	8.283102	6.474232	7.359701	-1.57315	2.203279	141.8208	4.61E-18	4.22E-17
LOC114286824	1.175017	1.195027	0.916222	0	0.027126	0.026047	5.536515	0.010135	132.3031	2.65E-19	2.69E-18
LOC114286856	1.067122	0.972705	1.116658	2.494076	2.109215	2.44442	-1.25145	0.08271	25.59871	2.24E-06	7.03E-06
LOC114286897	0	0	0	0.389017	0.525084	0.61626	-8.40942	-0.35231	165.1463	8.1E-22	1.01E-20
LOC114286889	0.169099	0.057122	0.111478	0.491828	0.580873	0.650748	-2.41872	-0.60456	47.00764	8.93E-10	4.01E-09
LOC114286942	0.051378	0.028926	0.056452	1.914637	1.54429	1.871287	-5.25207	0.11832	198.9917	1.99E-24	3.08E-23
LOC114287027	0.43657	0.354393	0.479678	0	0.014532	0	5.892434	-0.40856	97.16909	6.24E-16	4.79E-15
LOC114286956	1.089162	0.974826	1.135338	0.1523	0.159888	0.191916	2.51966	-0.37095	48.07536	6.26E-10	2.86E-09
LOC114286957	1.097933	0.846576	0.865421	0.021694	0.085406	0.196826	2.989823	0.514804	106.7865	2.79E-16	2.2E-15
LOC114287129	2.341048	2.590955	1.868697	0.872945	0.572773	0.440005	1.78616	1.183601	83.95921	3.53E-14	2.35E-13
LOC114287188	2.794638	2.20425	2.284397	0.95713	0.946846	1.001987	1.221219	1.949876	79.00217	6.34E-14	4.13E-13
LOC114287189	1.172933	1.075638	1.062887	0.373681	0.501912	0.398865	1.259536	0.999431	44.68729	1.95E-09	8.48E-09
LOC114287275	0.582477	0.67773	0.735991	0.26471	0.097264	0.373593	1.322907	0.591565	30.69396	6.12E-07	2.05E-06
LOC114287416	5.724176	5.176365	5.751697	1.105251	1.103716	0.957936	2.293649	2.748496	405.0559	6.66E-35	2.3E-33
LOC114287424	3.738867	4.260075	4.597103	23.70716	23.18944	26.97816	-2.66422	3.318522	906.8502	1.75E-48	1.6E-46
LOC114287436	0.190317	0.250012	0.174257	1.383848	0.862596	1.133476	-2.51821	-0.58617	50.85947	2.51E-10	1.19E-09
LOC114287464	1.475836	1.426161	1.185919	0.64067	0.472915	0.54494	1.211827	1.434972	55.28752	6.12E-11	3.06E-10

LOC114287490	2.108836	2.174282	1.535405	3.787301	4.691185	4.225355	-1.23705	1.903104	82.75761	2.46E-14	1.66E-13
LOC114287491	0.780155	0.686291	0.736647	1.817046	1.814523	2.161244	-1.50151	1.749979	114.3665	1.18E-17	1.04E-16
LOC114287527	1.942008	2.040917	2.596081	0	0	0	8.709618	0.192121	173.1083	2.08E-22	2.72E-21
LOC114287686	1.889102	1.680948	1.873135	0.586301	0.659477	0.759917	1.32036	2.04602	98.47733	4.55E-16	3.55E-15
LOC114287725	1.849196	1.32503	1.616196	3.590702	2.947504	2.714821	-1.02699	0.790404	28.39954	7.37E-07	2.44E-06
LOC114287733	2.460649	2.429678	2.038112	0.206447	0.16255	0.052029	3.945827	0.127121	115.0609	1.01E-17	8.99E-17
LOC114287780	0.05299	0	0	6.774918	5.511312	6.19047	-8.24246	2.428081	1056.309	7.54E-48	6.55E-46
LOC114287856	2.223288	1.564636	1.657627	0.721704	0.340947	0.491092	1.744567	-0.02171	34.93652	6.15E-08	2.3E-07
LOC114287921	1.410357	1.510593	1.851983	0.062531	0	0.047278	5.209454	-0.2705	102.0889	1.93E-16	1.55E-15
LOC114288016	1.013715	0.902106	0.898234	0.089165	0.070206	0.224718	2.701245	0.132037	75.23599	1.76E-13	1.1E-12
LOC114288027	2.170754	2.186973	2.604778	0.103843	0.163525	0.117769	4.005751	0.494834	158.1965	1.86E-21	2.25E-20
LOC114288022	0.60267	0.747449	0.710162	0.31755	0.225025	0.288108	1.209994	0.809007	35.59383	4.83E-08	1.83E-07
LOC114288295	0	0.098922	0	2.235808	1.571786	1.328193	-5.55106	-0.69953	103.5139	1.56E-16	1.26E-15
LOC114288408	0.286207	0.153461	0.19467	0.520273	0.546194	0.543215	-1.42522	-0.18611	26.13679	1.8E-06	5.73E-06
LOC114288416	2.276373	2.306872	2.407353	1.137961	0.855265	1.134134	1.058516	0.90618	30.58255	3.16E-07	1.09E-06
LOC114288532	0.863062	1.042913	1.110184	2.927323	3.208749	3.211398	-1.74628	2.587948	250.973	1.19E-27	2.34E-26
LOC114288758	8.479628	6.871948	8.575436	2.880209	2.309775	2.540578	1.536025	2.449165	160.373	1.26E-21	1.54E-20
LOC114288718	2.273126	1.345396	1.40889	0.052976	0.041712	0.080107	4.638186	0.02769	115.0996	1.33E-17	1.17E-16
LOC114288774	2.896444	2.141515	2.799017	4.948036	5.519217	4.796232	-1.06347	2.756085	109.6576	4.41E-17	3.71E-16
LOC114288837	0.742509	0.557376	0.611869	0.168719	0.221406	0.148824	1.712522	-0.15562	31.43748	2.28E-07	8E-07
LOC114288879	2.491896	1.454895	1.926706	5.284793	3.830825	3.868825	-1.21199	1.070575	44.80425	2.09E-09	9.07E-09
LOC114288936	0.517313	0.476586	0.400459	0.170979	0.185106	0.274703	1.011664	-0.05893	13.46352	0.000414	0.00095
LOC114289029	1.121992	0.953966	1.031509	2.03958	1.966405	1.825301	-1.00183	1.012687	32.62133	1.46E-07	5.23E-07
LOC114289036	1.918775	1.718608	1.772837	0.554908	0.748998	0.659291	1.33498	-0.07818	22.27413	8.72E-06	2.54E-05
LOC114289062	3.44182	3.163659	4.32191	0	0.70375	0.09654	3.524963	-0.06607	78.97857	3.49E-13	2.13E-12
LOC114289096	11.45725	11.93065	10.46488	4.825821	4.732946	4.640836	1.14951	3.371815	209.7696	3.85E-25	6.32E-24

LOC114289116	103.0061	85.16355	94.57807	27.49777	29.55509	33.49537	1.52922	3.952508	467.0647	5.94E-35	2.05E-33
LOC114289308	3.933576	4.025074	4.053832	1.644102	1.931492	1.736332	1.063857	2.610794	97.90908	5.22E-16	4.05E-15
LOC114289318	0.021371	0	0.023482	1.010078	0.550593	0.763689	-5.45135	-0.79335	98.34493	4.7E-16	3.66E-15
LOC114289332	4.594687	3.061051	3.113164	7.238678	8.110815	8.051544	-1.21923	2.191618	93.66388	3.37E-15	2.45E-14
LOC114289346	3.24182	3.163578	3.087	0.617367	0.64076	0.55164	2.285461	1.907292	226.7117	3.26E-26	5.82E-25
LOC114289385	1.030371	1.225867	1.046669	6.078513	5.732091	5.557687	-2.49663	2.445152	416.4098	2.42E-35	8.53E-34
LOC114289461	0	0.01593	0	1.491588	1.741391	1.749949	-7.93835	0.850633	392.9356	2.02E-34	6.66E-33
LOC114289511	3.127289	3.52132	2.929993	0.30848	0.277585	0.199914	3.505667	1.171695	227.9813	2.73E-26	4.89E-25
LOC114289546	2.669077	2.424626	2.450939	1.007884	1.199588	1.18735	1.036056	2.114621	66.58286	2.03E-12	1.15E-11
LOC114289533	7.519944	6.773952	6.137839	1.855203	1.383844	1.919433	1.884422	1.313835	109.3556	3.61E-17	3.07E-16
LOC114289637	1.181379	0.992989	1.078645	1.875313	2.262469	2.241146	-1.08249	1.574124	55.15503	6.38E-11	3.18E-10
LOC114289644	0.620475	0.668277	0.592819	1.618309	3.050362	3.077424	-2.17699	0.888852	108.6628	2.93E-16	2.31E-15
LOC114289672	0.610904	0.628061	0.919287	0.313841	0.304133	0.310297	1.103077	0.331936	20.74368	1.66E-05	4.66E-05
LOC114289718	1.854369	1.931414	2.343093	0.084273	0	0	5.965066	-0.34163	102.5836	1.72E-16	1.38E-15
LOC114289739	2.892277	2.726537	3.990807	0	0	0	8.203524	-0.25786	119.104	5.58E-18	5.07E-17
LOC114289851	3.889095	3.307962	4.180885	0.661193	0.600694	0.384545	2.702542	1.283859	179.149	4.86E-23	6.74E-22
LOC114289880	0.212009	0.190977	0.217413	3.031764	2.609637	2.89442	-3.86639	1.726468	474.7623	1.84E-37	7.73E-36
LOC114289917	2.489184	2.277288	2.064377	0.239297	0.479601	0.328955	2.564585	1.762271	226.8345	3.98E-26	7.04E-25
LOC114289922	0	0	0.04242	5.193492	5.332513	4.881771	-8.35111	2.036051	862.406	1.34E-47	1.14E-45
LOC114289988	3.114274	2.716584	3.104951	1.36288	1.196904	1.294646	1.113582	3.73412	251.812	1.07E-27	2.11E-26
LOC114289964	0.814419	0.917034	0.559272	5.551753	6.11977	4.197513	-2.86259	-0.11034	87.20142	7.42E-15	5.24E-14
LOC114290039	0.2254	0.2256	0.247656	1.429527	1.297622	1.390612	-2.65888	2.299686	425.6515	1.08E-35	3.91E-34
LOC114290043	0.649353	0.671886	0.867735	0.287126	0.226074	0.385933	1.157234	-0.0332	17.37513	7.09E-05	0.000183
LOC114290085	0.02434	0.013704	0	1.924727	1.898687	1.923577	-7.10218	1.276699	515.9839	7.89E-39	3.65E-37
LOC114290091	1.631894	1.473646	1.704266	2.790265	3.145123	3.131142	-1.02468	2.135884	71.0397	5.66E-13	3.39E-12
LOC114290140	0	0.061579	0	8.151976	6.340317	6.915104	-8.06801	0.992425	427.2896	9.34E-36	3.42E-34

LOC114290148	0.89211	0.558063	0.490099	1.891979	2.26999	2.656584	-1.90739	-0.09427	46.80183	9.56E-10	4.28E-09
LOC114290284	6.674834	4.302551	4.41098	10.99063	9.969009	10.43696	-1.11784	2.304788	82.53163	1.01E-13	6.42E-13
LOC114290406	1.354839	1.209916	1.796608	4.161376	2.808453	2.953661	-1.2623	0.658255	37.22012	2.67E-08	1.04E-07
LOC114290438	1.150682	1.376645	1.185284	3.137602	2.676313	2.569933	-1.26361	-0.16176	21.53652	1.19E-05	3.4E-05
LOC114290455	2.084707	2.133977	1.769974	0.861278	0.474699	1.041898	1.223415	-0.02737	19.14459	3.28E-05	8.85E-05
LOC114290537	3.876908	3.659707	3.739266	1.179004	1.095195	1.151821	1.615939	3.335304	388.0533	3.18E-34	1.03E-32
LOC114290617	0.678312	0.48604	0.519444	1.158319	0.970862	1.553786	-1.22989	0.450516	30.94093	2.76E-07	9.58E-07
LOC114290684	1.289664	0.949488	1.662259	2.750136	2.839823	2.045208	-1.06012	1.258664	38.51584	2.32E-08	9.07E-08
LOC114290820	5.935957	5.364128	6.563626	41.85618	40.9652	41.15564	-2.89836	4.271829	1849.751	2.21E-61	5.48E-59
LOC114290841	2.080221	1.940783	1.480215	5.762241	4.763845	5.44582	-1.63131	2.46954	195.0093	4.47E-24	6.73E-23
LOC114290888	0.319436	0.339702	0.448472	1.064577	0.660409	1.024411	-1.40168	0.183689	32.47583	1.54E-07	5.51E-07
LOC114291051	0.226514	0.103616	0.194438	0.643379	0.577496	0.39888	-1.68732	0.641931	58.589	4.51E-11	2.28E-10
LOC114291141	4.564193	4.660343	4.871074	10.61645	10.0683	11.15205	-1.28197	3.839456	391.2685	2.36E-34	7.72E-33
LOC114291232	3.307923	3.289711	2.679488	0.482813	0.449269	0.464597	2.622341	1.215262	166.4912	4.24E-22	5.41E-21
LOC114291214	0.644923	0.776264	0.659735	1.73832	1.877977	1.7422	-1.47187	0.79188	57.73765	2.86E-11	1.47E-10
LOC114291228	2.854014	2.32642	2.635632	0.445603	0.250609	0.336907	2.839035	1.396651	208.7833	4.46E-25	7.29E-24
LOC114291722	12.12689	16.55134	12.92055	2.672063	0	0	4.009396	-0.48839	63.72982	1.12E-11	5.96E-11
LOC114291834	1.031788	1.161791	1.162736	2.981732	2.61278	2.836177	-1.42925	1.195225	72.43912	3.82E-13	2.32E-12
LOC114291905	0.546978	0.410597	0.443152	0.070305	0.047448	0.113904	2.46597	0.672618	99.27804	3.76E-16	2.94E-15
LOC114291936	1.367839	1.432371	1.412727	0.124324	0.097889	0.150397	3.366784	0.84414	175.8214	8.51E-23	1.16E-21
LOC114291956	2.02478	1.855211	1.548573	0.433022	0.369359	0.545658	1.893117	0.861584	78.9262	6.47E-14	4.21E-13
LOC114292002	10.48668	10.38507	10.00244	0.148572	0.170971	0.112331	6.052753	4.607197	4113.833	2.34E-76	1.91E-73
LOC114292071	7.887409	8.45733	8.035955	3.226028	3.489384	3.055037	1.211957	3.25759	211.1154	3.15E-25	5.22E-24
LOC114292129	0.766671	0.750669	1.208622	1.999614	2.099238	2.244865	-1.33039	0.50451	37.86202	2.12E-08	8.33E-08
LOC114292294	1.771141	1.4652	1.495925	0.153315	0.086225	0.165596	3.43683	1.168457	221.6451	6.73E-26	1.17E-24
LOC114292303	0.710695	0.683843	0.809266	0.211405	0.277422	0.159837	1.651872	0.273905	41.09395	6.74E-09	2.78E-08

LOC114292326	0.295982	0.212729	0.283692	0.14882	0.090135	0.129829	1.019302	0.022758	14.41023	0.000268	0.000632
LOC114292399	2.274226	1.792541	1.749151	4.754256	2.44131	4.063404	-1.01814	-0.31118	12.21333	0.000741	0.00163
LOC114292442	0.64254	0.704948	0.868906	0	0	0	8.114889	-0.334	113.3109	1.95E-17	1.69E-16
LOC114292544	6.238161	5.238353	5.924754	11.91647	10.21495	12.35198	-1.08597	2.32514	87.95872	6.12E-15	4.35E-14
LOC114292574	0.79197	0.761255	0.87017	2.352615	2.847673	2.814127	-1.83867	1.473405	136.994	1.04E-19	1.09E-18
LOC114292592	0	0	0	13.5972	12.54129	12.33652	-9.63658	0.870355	414.689	7.11E-35	2.44E-33
LOC114292586	0.230555	0.103842	0.151992	5.993232	5.345852	4.689738	-5.08354	1.871391	627.2717	4.22E-42	2.48E-40
LOC114292665	2.348808	1.935185	1.951286	0.104139	0	0	5.694566	-0.5765	83.39823	1.98E-14	1.35E-13
LOC114292687	1.20362	1.645689	1.41693	0.312567	0.123052	0.295403	2.442411	0.348825	76.19275	1.36E-13	8.58E-13
LOC114292778	1.100049	1.061702	0.928086	0.535632	0.393623	0.350978	1.192116	0.273732	23.42582	5.42E-06	1.62E-05
LOC114292907	0.062388	0.052687	0.034274	4.224543	4.799642	4.523117	-6.53279	2.173057	921.9217	8.93E-49	8.45E-47
LOC114292906	0.012872	0.014494	0.042429	5.685982	5.950845	5.201258	-7.91077	2.75825	1437.289	9.42E-57	1.71E-54
LOC114292928	0.267705	0.320274	0.294138	2.372365	1.5566	2.207598	-2.88453	1.096287	203.491	9.95E-25	1.57E-23
LOC114292927	0.226341	0.237868	0.265269	0.932613	0.907087	0.89177	-1.99991	0.253097	67.78093	1.43E-12	8.27E-12
LOC114292976	0.945264	0.906149	0.800004	0.023221	0	0	6.619514	0.231563	169.4287	2.54E-22	3.3E-21
LOC114293102	1.00445	1.330598	1.460688	2.362942	2.494763	2.415902	-1.05266	1.939994	63.00612	5.8E-12	3.17E-11
LOC114293107	0.262164	0.19101	0.389716	5.830951	5.098764	5.616733	-4.38452	2.532791	858.615	1.6E-47	1.35E-45
LOC114293157	2.302334	1.753698	2.604072	5.169992	3.682995	4.374217	-1.07176	0.608163	26.94006	1.31E-06	4.22E-06
LOC114293202	2.015791	1.687782	1.987671	0	0	0	7.835213	-0.57919	93.63971	1.83E-15	1.36E-14
LOC114293252	1.900124	1.627907	2.04236	3.904619	3.369978	3.832136	-1.0942	2.045268	74.97861	1.89E-13	1.18E-12
LOC114293313	4.174873	3.793299	4.155646	1.953649	1.538237	1.675934	1.1374	2.092759	77.48511	9.55E-14	6.11E-13
LOC114293311	0	0	0	1.231939	1.177842	1.264086	-8.39864	-0.35378	168.7109	4.38E-22	5.58E-21
LOC114293390	10.37792	8.950182	9.42044	0.194821	0.409056	0.147299	5.124574	3.040738	1124.449	9.98E-49	9.33E-47
LOC114293398	1.8623	1.883697	1.919023	0.019126	0.090356	0	5.498374	1.513108	382.1812	4.41E-32	1.21E-30
LOC114293640	0.458831	0.528658	0.457241	0.232765	0.213816	0.219983	1.007364	0.117074	15.54953	0.00016	0.00039
LOC114293818	3.960707	4.459747	4.645834	0.486477	0.229821	0.36781	3.489491	0.526862	141.1314	4.59E-20	4.94E-19

LOC114293923	12.98058	14.96411	13.32846	0.983182	0.774125	0.637161	4.008797	1.551672	344.2114	2.36E-32	6.65E-31
LOC114293927	6.581788	5.982437	6.708913	1.87396	1.815992	1.961785	1.657829	0.746548	60.65289	1.17E-11	6.25E-11
LOC114293962	0.136179	0.195932	0.315877	1.746602	1.91664	1.81966	-3.19763	2.054312	416.9033	2.97E-33	8.92E-32
LOC114294038	1.419429	1.425213	1.56952	0.575219	0.478789	0.546739	1.36172	1.772584	88.20372	5.75E-15	4.1E-14
LOC114294086	0	0	0	1.489272	1.612329	1.372305	-8.60019	-0.15869	194.3169	6.73E-24	1E-22
LOC114294126	0.332967	0.395749	0.65039	1.210548	1.350289	1.296617	-1.59955	0.555754	53.83753	9.67E-11	4.76E-10
LOC114294193	4.543599	3.475074	4.850951	0	0	0	9.278168	0.704087	257.3927	9.69E-28	1.92E-26
LOC114294194	5.50894	5.060386	5.688818	1.280019	1.600694	1.650926	1.719761	2.348713	189.1792	9.4E-24	1.39E-22
LOC114294220	1.49848	1.555466	1.556402	0.553306	0.611592	0.675777	1.206577	2.481892	111.2136	2.38E-17	2.05E-16
LOC114294291	2.967304	2.419474	2.529544	0.139501	0.109838	0.105472	4.355735	0.799766	214.178	2E-25	3.37E-24
LOC114294345	0.863805	0.841709	0.949098	0	0	0.068493	4.895473	-0.08461	110.9622	2.51E-17	2.16E-16
LOC114294358	1.208024	0.906822	1.106089	6.221921	3.554127	4.335249	-2.18663	0.403976	81.40405	3.35E-14	2.23E-13
LOC114294381	3.18461	3.107749	2.56598	0	0	0	10.3356	1.693341	539.6045	7.94E-39	3.67E-37
LOC114294415	0.454034	0.349796	0.393841	3.323127	3.078257	3.317178	-3.11161	2.226557	503.5315	2E-38	8.97E-37
LOC114294429	2.422306	2.745695	2.466313	6.194003	5.963285	5.770643	-1.3356	3.01441	220.6483	7.77E-26	1.34E-24
LOC114294439	0.340742	0.316949	0.179055	1.238818	1.272266	1.466034	-2.34423	0.743743	119.9791	3.47E-18	3.22E-17
LOC114294520	13.10357	12.19784	12.42234	4.90158	3.859339	4.291084	1.437367	2.442666	147.6879	1.3E-20	1.46E-19
LOC114294551	1.411784	1.042404	1.551186	0	0	0.031809	6.359904	-0.00271	136.6924	1.1E-19	1.15E-18
LOC114294562	0.95582	1.132896	0.829105	3.840812	3.312139	3.733614	-1.99376	0.503289	79.91631	4.97E-14	3.27E-13
LOC114294577	2.138462	2.301895	2.327451	0.660115	0.510127	0.711669	1.740657	2.696623	243.3326	3.29E-27	6.26E-26
LOC114294581	2.016367	1.219302	1.394924	0.610899	0.587891	0.513203	1.344291	-0.07297	21.66584	1.12E-05	3.23E-05
LOC114294580	0.577389	0.597425	0.480088	0.226939	0.24569	0.193029	1.205513	-0.25058	16.09691	0.000125	0.000311
LOC114294729	1.797302	2.066817	2.394935	0	0	0	8.396442	-0.0862	138.963	9.88E-20	1.04E-18
LOC114294737	1.329419	1.289017	0.892642	2.685162	2.589903	1.624136	-1.0508	0.552223	23.66846	5.06E-06	1.52E-05
LOC114294788	0	0.047455	0	14.78604	12.90878	13.20661	-9.38355	2.316899	1078.292	1.47E-51	1.79E-49
LOC114294819	0.713219	0.544949	0.699681	2.685616	2.333312	2.485628	-2.02519	0.931341	111.3089	2.33E-17	2.01E-16

LOC114294821	1.164954	1.180563	1.023987	3.600055	4.335213	3.789301	-1.90454	1.002211	105.1765	9.4E-17	7.72E-16
LOC114294879	0.634389	0.750037	1.115248	1.672149	1.452794	1.787404	-1.0844	0.294899	21.78457	1.07E-05	3.08E-05
LOC114295063	0.714981	0.82184	0.851045	0.243695	0.234517	0.450391	1.216333	0.281275	23.85635	4.54E-06	1.37E-05
LOC114295124	36.57582	28.4897	35.22104	71.11605	67.14865	73.61955	-1.18266	4.934875	409.8758	3.7E-19	3.71E-18
LOC114295145	0.79648	0.978365	0.875126	0.329059	0.431816	0.315136	1.179837	0.717574	31.86484	1.94E-07	6.87E-07
LOC114295154	0.044396	0.024995	0.060974	0.423692	0.397144	0.503392	-3.39839	-0.53119	81.29467	3.44E-14	2.3E-13
LOC114295144	0	0	0	1.871662	2.063157	2.217001	-8.64745	-0.11739	201.5547	2.21E-24	3.4E-23
LOC114295194	0.87269	0.655098	0.996464	2.581781	2.522641	2.422369	-1.67246	1.58953	122.615	1.98E-18	1.87E-17
LOC114295230	0.665437	0.744217	0.755844	1.691868	1.602406	1.866229	-1.3629	3.056115	235.3202	9.8E-27	1.82E-25
LOC114295270	2.350961	2.086826	1.904329	0.093583	0.17193	0.117926	3.89264	1.057181	232.6228	1.42E-26	2.61E-25
LOC114295343	0.848831	0.919021	1.022323	0.148368	0.093456	0.067306	3.089078	0.089619	87.69217	6.55E-15	4.64E-14
LOC114295416	0.46544	0.557896	0.626875	1.200897	1.224912	0.82542	-1.0732	0.757875	29.33656	5.11E-07	1.73E-06
LOC114295405	0.43937	0.453503	0.844821	1.131487	1.78179	1.559999	-1.49331	-0.14093	28.37199	7.45E-07	2.47E-06
LOC114295452	3.901746	3.311916	4.26063	1.287594	1.18564	0.990011	1.635139	2.649727	203.2414	1.54E-24	2.4E-23
LOC114295484	5.669994	5.8149	5.878881	2.129153	1.752625	2.195166	1.410156	2.164747	120.4467	3.14E-18	2.92E-17
LOC114295535	0.892644	0.913741	1.129389	0.29503	0.116148	0.148709	2.323325	-0.41511	40.13966	9.42E-09	3.84E-08
LOC114295589	1.489041	1.720779	0.990254	0	0.056086	0	5.667769	-0.59787	78.85986	6.59E-14	4.27E-13
LOC114295677	1.372174	1.147326	1.552447	0.296361	0.213899	0.168052	2.50847	0.89423	121.3805	2.57E-18	2.41E-17
LOC114295711	0.213561	0.360704	0.312865	0.621146	0.519636	0.606605	-1.08848	0.935157	34.13978	8.26E-08	3.05E-07
LOC114295717	28.28199	27.02561	27.4539	12.75255	12.42352	12.95692	1.012555	5.146257	541.6019	1.24E-39	6.08E-38
LOC114295724	0.071775	0.094288	0.105149	2.913918	3.201776	3.008745	-5.16111	2.009758	730.7525	1.03E-44	7.17E-43
LOC114295762	0.360722	0.406172	0.541343	1.18351	1.120745	1.064105	-1.4681	1.446528	87.05153	7.71E-15	5.42E-14
LOC114295896	0.356652	0.155718	0.383872	0.066156	0.072925	0.060022	2.059798	-0.216	35.6919	7.14E-08	2.65E-07
LOC114295903	0.1795	0.151587	0.221877	1.590703	1.252466	1.449387	-3.02656	0.151007	116.8499	6.83E-18	6.17E-17
LOC114295948	1.699838	1.740012	1.612999	0.280909	0.608241	0.31858	1.916568	-0.12203	38.29253	1.82E-08	7.19E-08
LOC114295981	3.032301	1.92058	3.331715	9.12955	11.66404	11.72136	-2.08041	1.148852	129.2337	4.96E-19	4.92E-18

LOC114296060	0.138318	0.200244	0.173686	0.628592	0.509073	0.624627	-1.88284	0.258168	60.12085	1.38E-11	7.31E-11
LOC114296057	1.327764	1.343019	1.23633	0	0.03221	0	6.361033	0.001404	140.8911	4.81E-20	5.17E-19
LOC114296108	2.07566	1.804146	2.080561	0.099294	0.260603	0.150147	3.381401	0.924039	181.8126	3.12E-23	4.42E-22
LOC114296157	15.67383	14.62439	16.7768	7.290263	7.003986	7.079566	1.035295	3.224366	155.105	3.27E-21	3.89E-20
LOC114296230	4.342612	4.054932	3.60765	34.75326	33.2759	29.84242	-3.12127	3.415822	1209.599	1.26E-53	1.76E-51
LOC114296367	0.377957	0.328856	0.386963	1.655186	1.463069	1.582004	-2.19809	1.78669	228.1272	2.67E-26	4.79E-25
LOC114296446	0.706578	0.432903	0.673595	0.188887	0.148723	0.185656	1.69406	0.299563	42.36305	4.33E-09	1.82E-08
LOC114296454	5.853564	5.198614	5.344532	1.498695	0.885017	1.473053	1.993817	1.355487	122.3121	2.11E-18	1.99E-17
LOC114296448	0.038999	0.029275	0.057134	0.756201	0.94893	0.821877	-4.38017	0.072013	166.8568	3.98E-22	5.08E-21
LOC114296461	0.60536	0.580651	0.689769	1.181951	1.091081	1.232603	-1.00431	0.334697	20.24713	2.05E-05	5.68E-05
LOC114296530	0.335349	0.269716	0.368462	2.002986	1.78279	1.843613	-2.59881	-0.45805	60.44191	1.25E-11	6.65E-11
LOC114296648	0	0	0	0.393021	0.489965	0.482871	-8.41121	-0.34621	168.8123	4.31E-22	5.49E-21
LOC114296707	0.678682	0.611356	0.347992	2.056205	1.23043	2.487415	-1.89835	-0.20812	40.47768	8.96E-09	3.65E-08
LOC114296806	2.476085	2.788066	3.028568	0	0	0	8.51433	0.017998	152.7245	7.41E-21	8.5E-20
LOC114296835	10.79336	10.44853	10.08829	23.34916	21.87946	21.6139	-1.19298	3.357158	245.3834	2.5E-27	4.81E-26
LOC114296892	1.290634	1.137327	1.664694	2.448148	3.132332	2.622208	-1.11399	0.210943	22.08963	9.42E-06	2.73E-05
LOC114296895	0.059318	0	0.065175	6.46976	5.009171	5.625328	-6.87257	0.556844	305.3292	1.57E-30	3.88E-29
LOC114296905	0	0	0.173572	1.579424	1.300112	1.411274	-4.60941	-0.75055	86.43661	1.23E-14	8.48E-14
LOC114296927	0.115209	0.072069	0.08439	1.628892	1.612329	1.706584	-4.24922	1.057333	331.4308	8.98E-32	2.42E-30
LOC114296945	2.355891	3.20795	2.347723	0	0	0	8.215579	-0.24434	120.3943	4.24E-18	3.9E-17
LOC114296984	1.834508	2.027399	2.426246	0.123511	0.243122	0.140075	3.45963	0.162931	104.4652	1.11E-16	9.05E-16
LOC114297022	3.19075	3.343086	3.465202	0.671839	0.63478	0.541821	2.336407	2.286507	296.9668	4.1E-30	9.82E-29
LOC114297128	1.9884	1.823462	1.779323	0.633479	0.7335	0.901561	1.175119	1.014155	39.85024	1.04E-08	4.23E-08
LOC114297242	1.664834	1.452814	1.417647	0	0	0	7.821155	-0.59131	92.66861	2.32E-15	1.71E-14
LOC114297284	0.694961	0.469514	0.55996	0.20213	0.1061	0.16556	1.786641	0.370257	48.8062	4.92E-10	2.27E-09
LOC114297314	1.582188	1.700561	1.764756	0.653667	0.548987	0.593061	1.387237	0.61198	40.27526	8.98E-09	3.66E-08

LOC114297354	0	0	0	2.081	2.167061	2.385449	-8.64783	-0.11609	201.9494	2.09E-24	3.22E-23
LOC114297538	0.199065	0.112073	0.218721	0.859429	1.068451	0.718187	-2.38954	-0.55215	47.97591	6.47E-10	2.95E-09
LOC114297553	3.263445	3.125154	3.887282	1.330623	1.30961	1.299473	1.274808	1.279713	55.50647	5.72E-11	2.86E-10
LOC114297635	2.216474	1.693541	1.681539	0	0.113301	0	5.309144	0.274915	150.094	2.04E-20	2.26E-19
LOC114297654	0.045314	0.051023	0.049788	1.894553	1.945706	1.556972	-5.11168	-0.64501	110.7724	2.62E-17	2.25E-16
LOC114297677	3.097386	3.244326	3.587899	0.654709	0.515496	0.462005	2.513491	1.329076	171.9073	1.66E-22	2.19E-21
LOC114297709	0.639437	0.480003	0.468384	1.501411	1.487235	1.17179	-1.46762	0.176151	36.11343	3.99E-08	1.53E-07
LOC114297710	0.280655	0.249487	0.162299	0.429626	0.739972	0.548146	-1.4227	-0.18945	25.24443	2.58E-06	8.04E-06
LOC114297727	1.275889	1.309885	1.814187	0.136432	0.214843	0.154728	2.950595	-0.38566	56.50864	4.18E-11	2.12E-10
LOC114297754	0.613436	0.493377	0.632742	0.022757	0	0.017206	5.218964	-0.26584	103.3061	1.45E-16	1.18E-15
LOC114297833	1.534158	1.385662	1.280007	0.447405	0.340529	0.338269	1.813762	1.739494	137.1019	1.01E-19	1.07E-18
LOC114297998	0.747909	0.814978	0.874775	0.438569	0.207189	0.232112	1.410646	-0.3568	19.06661	3.4E-05	9.14E-05
LOC114298099	0.893089	0.633166	0.72687	0.400858	0.252498	0.394	1.016858	0.671912	22.93723	6.63E-06	1.96E-05
LOC114298101	0.044423	0	0.01627	1.265127	0.974924	0.895469	-5.5583	0.129795	195.4574	3.46E-24	5.24E-23
LOC114298129	1.316632	1.249424	1.410245	0.737589	0.521493	0.386954	1.203713	1.79875	65.22217	4.42E-12	2.44E-11
LOC114298152	3.151839	2.993318	2.973332	1.07066	1.230327	1.203302	1.264906	2.019378	90.99814	2.84E-15	2.08E-14
LOC114298198	0	0	0	2.705052	2.763756	2.775639	-10.0136	1.246319	545.0263	2.99E-39	1.43E-37
LOC114298265	0.021206	0	0	2.004518	1.699697	1.748718	-7.46567	0.388671	278.7041	3.58E-29	7.98E-28
LOC114298305	0.912683	0.724429	0.821969	0.46237	0.34264	0.246765	1.158625	0.343224	23.01886	6.41E-06	1.9E-05
LOC114298335	0.48374	0.531405	0.648178	0.042895	0.067549	0.048648	3.215113	-0.1718	74.69621	2.04E-13	1.27E-12
LOC114298360	1.191016	0.797637	1.17177	2.094301	2.217213	2.353759	-1.18038	2.687989	122.9317	8.47E-18	7.6E-17
LOC114298419	3.559311	3.226599	3.811337	0.383825	0.518076	0.414569	2.879123	1.063155	171.0078	1.93E-22	2.54E-21
LOC114298486	1.30812	1.630756	1.180628	7.473492	7.355471	8.668352	-2.62004	1.598475	260.4741	3.47E-28	7.15E-27
LOC114298547	2.519874	2.216697	1.64391	0	0	0	8.977094	0.429061	202.048	1.48E-23	2.15E-22
LOC114298633	0.441285	0.283935	0.346328	4.125487	3.789648	3.552372	-3.46743	0.033048	127.9095	6.52E-19	6.41E-18
LOC114298631	2.584122	2.219274	2.213678	6.210217	6.707688	6.320673	-1.55601	1.620901	113.211	1.52E-17	1.33E-16

LOC114298650	0.101403	0.01903	0.055708	2.488481	2.418946	2.206657	-5.33415	1.134946	400.8191	9.79E-35	3.31E-33
LOC114298652	5.975255	5.926096	5.282645	0.287734	0.623018	1.14212	2.885696	2.302833	194.5944	1.82E-10	8.74E-10
LOC114298687	2.227837	2.12876	2.33079	0.726061	0.597084	0.646545	1.666349	2.30728	176.6188	7.44E-23	1.02E-21
LOC114298670	3.5175	3.009154	3.436281	1.418013	1.395619	1.36	1.153081	3.295687	198.5586	2.13E-24	3.28E-23
LOC114298749	0	0	0.020325	0.36989	0.820764	0.737292	-6.22041	-0.8142	102.0827	2.2E-16	1.75E-15
LOC114298762	0	0	0	0.58803	0.49861	0.495891	-8.13215	-0.60232	138.1099	1.17E-19	1.22E-18
LOC114298863	2.109344	1.696512	2.046733	0	0	0	8.788861	0.25932	185.8542	2.56E-23	3.65E-22
LOC114298885	1.030599	1.151792	1.09856	0.125828	0.110081	0.063423	3.366468	1.285917	236.8783	7.91E-27	1.47E-25
LOC114298897	1.811824	1.28849	1.624014	0.173346	0.136487	0	3.833346	-0.64272	58.95647	1.96E-11	1.03E-10
LOC114298927	0.778835	0.626404	0.814989	0.101127	0.013271	0.012743	4.147237	0.471101	145.7573	6.74E-20	7.17E-19
LOC114299007	1.134802	1.038775	1.148183	2.611976	2.32534	2.558311	-1.27428	2.757276	166.4319	4.28E-22	5.46E-21
LOC114299009	1.919021	1.750532	1.681469	4.327429	4.311242	4.306807	-1.37632	2.943571	222.4267	6.01E-26	1.05E-24
LOC114299072	0	0	0	7.825329	6.721528	8.644229	-10.8456	2.087511	926.4679	3.41E-48	3.02E-46
LOC114299104	3.825501	3.616462	3.551398	1.710629	1.668974	1.546402	1.057236	1.992309	64.37559	3.86E-12	2.15E-11
LOC114299101	1.248574	1.363924	1.494713	0.237131	0.426764	0.30735	1.935464	0.559452	65.76448	2.57E-12	1.45E-11
LOC114299122	2.767213	2.968281	2.976442	0.688357	0.917212	0.900771	1.669228	1.978744	141.4662	4.3E-20	4.64E-19
LOC114299234	0.011831	0	0.012999	0.967797	1.083749	1.398402	-6.91848	0.587504	308.7544	1.07E-30	2.68E-29
LOC114299255	3.001501	2.868284	3.059212	0.394856	0.395686	0.542798	2.614393	1.435596	198.6868	2.09E-24	3.22E-23
LOC114299281	12.69121	8.867298	10.15436	4.85069	4.005576	4.561962	1.148054	1.83065	62.7781	6.85E-12	3.73E-11
LOC114299320	1.354314	1.694394	1.240034	0.547089	0.53845	0.77557	1.070929	-0.1289	14.07725	0.000312	0.000729
LOC114299335	0.35788	0.28208	0.530844	2.37455	2.35626	3.000407	-2.82942	1.349898	236.5009	8.33E-27	1.55E-25
LOC114299371	13.78419	12.4868	13.06706	0	0.111255	0.035611	7.758936	2.926549	1275.761	1.38E-54	2.05E-52
LOC114299375	5.891883	5.7628	6.830258	0	0	0	10.57493	1.92208	645.035	4.93E-42	2.89E-40
LOC114299373	12.06275	12.13487	11.55858	0	0	0.03213	9.496547	2.933123	1357.838	1.02E-55	1.69E-53
LOC114299374	11.0635	15.32598	13.35553	0	0	0	10.1315	1.505959	448.6658	1.42E-32	4.04E-31
LOC114299379	1.232144	1.509092	1.496314	0.275065	0.371275	0.772455	1.407117	0.501587	34.55513	8.37E-08	3.09E-07

LOC114299429	4.994417	5.076716	5.304099	1.876502	1.499223	2.002964	1.410385	2.784337	183.6393	2.31E-23	3.31E-22
LOC114299454	61.9149	60.88004	65.61429	28.1019	28.75321	29.87521	1.010606	4.130152	261.4689	3.06E-28	6.34E-27
LOC114299524	3.331608	2.912416	3.017344	0	0	0	10.81065	2.145449	761.5443	7.87E-45	5.52E-43
LOC114299526	7.517171	8.646739	9.007051	0	0	0	10.64245	1.988418	668.6485	1.24E-42	7.57E-41
LOC114299647	1.162419	1.165049	1.291234	0.046441	0.018283	0.035113	5.034239	0.659918	214.0428	2.04E-25	3.43E-24
LOC114299704	4.008186	3.441728	3.801981	0.419348	0.453998	0.237792	3.242985	1.174853	209.9629	3.74E-25	6.16E-24
LOC114299707	0.456568	0.171365	0.334434	2.489877	2.831755	3.242119	-3.20259	-0.58403	72.33935	3.93E-13	2.39E-12
LOC114299751	3.374149	3.667626	3.652259	0.151822	0.358618	0.183661	3.79223	1.809598	378.8693	7.58E-34	2.37E-32
LOC114299760	27.27647	25.43251	28.9629	6.17347	7.792684	6.075255	1.914187	3.238352	441.8362	2.7E-36	1.04E-34
LOC114299774	2.490371	3.785605	3.557157	6.564222	6.950671	5.818701	-1.08473	0.298294	22.16252	9.14E-06	2.66E-05
LOC114299803	0.710042	0.468003	0.437647	1.03888	0.99149	1.237703	-1.11043	0.559509	27.71236	9.65E-07	3.16E-06
LOC114299817	2.074153	2.230526	1.869258	9.447284	9.306432	10.12164	-2.33151	2.946826	552.4129	5.81E-40	2.91E-38
LOC114299843	4.220007	4.231999	3.912214	0.479451	0.377504	0.181249	3.48246	0.183316	108.1231	4.78E-17	4.01E-16
LOC114299878	2.30762	2.623602	2.683177	0.773806	0.673402	0.70822	1.715191	1.1905	87.19603	7.43E-15	5.24E-14
LOC114299911	0.623782	0.270145	0.474491	2.4423	2.129019	2.440083	-2.41933	-0.13094	67.67533	1.48E-12	8.51E-12
LOC114300002	2.193541	2.245384	1.947584	5.074956	3.900711	4.872407	-1.21286	2.221401	99.48687	3.58E-16	2.8E-15
LOC114300048	0.970336	0.870663	0.782953	0	0	0	9.483537	0.894023	303.4448	4.03E-30	9.65E-29
LOC114300052	316.5244	293.7198	314.2457	752.0879	712.0184	731.641	-1.35353	8.825254	2979.725	1.53E-31	4.06E-30
LOC114300163	0.42952	0.438297	0.530923	1.610379	1.844304	1.807891	-2.02269	1.349821	148.4285	1.13E-20	1.28E-19
LOC114300176	2.228573	2.186735	2.081332	0.405115	0.364541	0.175026	2.706585	1.289925	178.1906	5.71E-23	7.88E-22
LOC114300245	1.196177	1.232264	1.118545	2.266966	3.424157	3.008217	-1.41679	1.312676	73.88614	2.56E-13	1.58E-12
LOC114300244	2.08011	1.519265	1.976652	0.919768	0.804661	0.695409	1.114273	-0.3117	13.27276	0.000452	0.001031
LOC114300225	0.656552	0.522592	0.696506	0.308662	0.194424	0.295602	1.138447	0.354092	22.69413	7.33E-06	2.16E-05
LOC114300223	0	0.050045	0.048833	9.45272	10.87787	10.56766	-8.15969	1.837812	780.057	7.58E-46	5.72E-44
LOC114300316	0.261642	0.287423	0.189314	0	0	0	7.904054	-0.51816	95.87168	1.07E-15	8.05E-15
LOC114300293	336.7799	309.2812	336.2768	66.45219	64.49596	63.2206	2.233292	7.377577	4724.762	5.53E-79	5.5E-76

LOC114300340	1.55268	1.910195	1.832364	4.521218	4.691601	4.900302	-1.52718	2.786928	232.7431	1.4E-26	2.57E-25
LOC114300350	0.816183	0.863879	0.71742	0	0	0	8.245985	-0.22082	125.831	1.36E-18	1.3E-17
LOC114300373	0.647162	0.440258	0.69625	0.196071	0.115785	0.259426	1.528382	-0.03442	27.43	1.08E-06	3.51E-06
LOC114300541	2.119041	1.658093	1.736344	0.718177	0.693984	0.666399	1.308438	1.147024	52.5489	1.46E-10	7.06E-10
LOC114300622	0.684217	0.746843	0.652052	0.025383	0.009993	0.047979	4.462131	0.744827	204.3397	8.74E-25	1.39E-23
LOC114300621	3.56339	3.45681	3.332978	0.099655	0.078465	0.100462	5.076211	1.592444	434.8759	4.87E-36	1.83E-34
LOC114300866	2.420696	2.19309	2.354005	6.221245	6.690496	5.92742	-1.53719	2.246703	163.1678	7.62E-22	9.53E-21
LOC114300862	0.158717	0.280837	0.298952	1.648677	1.363019	1.090701	-2.55592	0.13527	86.68171	8.47E-15	5.95E-14
LOC114300861	0.928704	1.713199	1.085538	0	0	0	8.593634	0.094468	131.2765	4.99E-14	3.28E-13
LOC114300920	4.746637	3.586123	4.374146	8.628538	7.582781	8.67031	-1.06658	2.646044	104.0819	1.21E-16	9.86E-16
LOC114300943	0.141251	0.053016	0.129332	1.840175	2.0891	2.103129	-4.2684	0.468276	216.324	1.46E-25	2.48E-24
LOC114300976	0.392558	0.126291	0.287546	0.747581	0.749153	0.822143	-1.59815	-0.16914	31.34567	2.36E-07	8.27E-07
LOC114301120	0	0	0	1.780135	1.721989	1.691996	-8.68532	-0.07565	208.1061	8.29E-25	1.32E-23
LOC114301118	0.103552	0.116599	0.037925	15.68651	13.78375	13.14099	-7.3701	2.674599	1315.742	3.81E-55	5.91E-53
LOC114301125	0	0	0	1.403488	1.137561	1.123554	-8.47107	-0.27874	176.2166	1.24E-22	1.65E-21
LOC114301241	0.827843	0.652505	0.795888	0.150487	0.088866	0.199113	2.24695	-0.38869	39.65906	1.12E-08	4.51E-08
LOC114301286	1.266673	1.238604	0.805748	3.514473	2.146948	2.565559	-1.38202	0.831671	48.03901	7.66E-10	3.47E-09
LOC114301318	0.976068	0.841825	0.810039	2.41609	2.586005	2.797185	-1.67494	2.362056	202.5848	1.14E-24	1.8E-23
LOC114301412	0.04806	0	0	1.659918	1.926052	2.113708	-6.37648	-0.66571	121.7831	2.36E-18	2.22E-17
LOC114301439	0.524278	0.646558	0.603477	0.226915	0.202487	0.217314	1.345557	0.637237	38.45759	1.71E-08	6.79E-08
LOC114301455	0.965341	0.852855	1.06066	1.970795	1.721791	1.959529	-1.07258	1.559161	53.76541	9.9E-11	4.86E-10
LOC114301478	0.154909	0.124591	0.11347	0.402281	0.348417	0.405537	-1.6422	0.137399	43.75327	2.68E-09	1.15E-08
LOC114301542	3.462977	3.521953	4.142451	1.015335	0.959328	1.074729	1.754538	1.399613	104.9794	9.84E-17	8.07E-16
LOC114301541	0	0.0291	0	1.832174	1.664529	1.172136	-6.94623	-0.11393	181.6712	3.2E-23	4.52E-22
LOC114301557	2.198795	2.588377	2.635536	0	0	0	8.257369	-0.20888	126.8451	1.11E-18	1.07E-17
LOC114301660	1.803155	1.952258	1.524001	0.756418	0.397052	0.857858	1.287802	0.20271	24.72794	3.18E-06	9.8E-06

LOC114301754	1.046206	0.961021	1.210011	2.802676	2.581089	3.046089	-1.49477	2.113613	140.5742	5.12E-20	5.49E-19
LOC114301756	5.093654	4.931409	5.125868	1.903792	1.975931	1.930104	1.274324	2.165661	102.1841	1.89E-16	1.52E-15
LOC114301765	2.013728	2.006452	2.40358	0.816392	0.953832	0.77654	1.223001	1.673293	66.75092	1.93E-12	1.1E-11
LOC114301786	0.304151	0.418579	0.284675	1.126262	1.531713	1.424382	-2.14061	1.218165	141.9936	3.88E-20	4.2E-19
LOC114301781	1.616515	1.353476	2.049383	0.226041	0.593257	0.341806	1.948648	-0.22794	35.24945	5.48E-08	2.06E-07
LOC114301794	0.758393	1.081669	1.277693	4.043962	2.677522	2.710072	-1.67702	0.357113	49.96503	3.36E-10	1.58E-09
LOC114301859	2.395903	2.471976	2.412139	0.191864	0.075534	0.101544	4.242547	1.892531	449.6683	1.4E-36	5.52E-35
LOC114301884	1.008328	0.349346	0.894836	1.127975	1.720752	1.492449	-1.04884	-0.12576	14.17055	0.000313	0.000733
LOC114301913	7.432629	6.907048	5.657542	1.139498	1.922577	2.338466	1.740829	1.556652	105.4412	3.06E-16	2.41E-15
LOC114301965	1.605473	1.355819	1.356923	0	0	0	8.180434	-0.28084	120.1376	4.48E-18	4.11E-17
LOC114301956	0.024499	0	0.080753	1.870444	1.893504	2.053937	-5.74932	0.304193	232.5354	1.44E-26	2.64E-25
LOC114302045	7.276782	6.765272	7.437787	3.563774	3.499242	2.678612	1.046177	3.759873	204.6991	3.43E-22	4.41E-21
LOC114302047	3.073199	2.748645	3.03677	0.904602	0.750753	0.730154	1.801844	3.067072	353.3015	9.33E-33	2.7E-31
LOC114302116	5.022248	4.9916	5.055738	1.581095	1.766957	0.848361	1.755615	1.817467	126.4357	3.76E-18	3.48E-17
LOC114302211	0	0.014155	0	0.548459	0.359865	0.431951	-6.18538	-0.82889	103.5644	1.37E-16	1.11E-15
LOC114302209	3.472831	3.06816	2.993892	12.52885	12.00599	11.6022	-2.01771	2.129086	244.9732	2.64E-27	5.07E-26
LOC114302254	17.37288	17.57102	19.17277	5.030568	6.711526	6.339101	1.456698	2.256262	133.2394	2.2E-19	2.25E-18
LOC114302332	1.47232	1.282055	1.035328	0	0	0	8.645074	0.129989	163.945	9.99E-22	1.24E-20
LOC114302368	1.648205	1.412079	1.968426	0	0.102568	0.049245	4.709643	-0.24449	97.26637	6.1E-16	4.69E-15
LOC114302657	1.125623	0.768781	1.439518	0	0	0	8.546537	0.042032	142.9788	1.92E-18	1.82E-17
LOC114302682	0.80127	0.676671	0.597407	3.277274	2.41658	3.146474	-2.17297	0.966662	124.7566	1.26E-18	1.21E-17
LOC114302843	0.866854	0.325358	0.952448	2.02601	2.008786	1.645272	-1.47875	-0.00164	30.20358	3.82E-07	1.31E-06
LOC114302931	0.279272	0.581751	0.5063	0	0	0	7.645052	-0.7319	75.23729	5.75E-13	3.44E-12
LOC114302938	0.730276	1.168516	1.013538	1.886463	1.705388	1.954556	-1.04189	0.213522	19.32058	3.04E-05	8.25E-05
LOC114303121	1.318087	0.981831	1.114028	0.184311	0.261217	0.139352	2.428153	0.138416	66.50194	2.08E-12	1.18E-11
LOC114303176	0.191411	0.153948	0.060089	0.994143	0.900168	0.977134	-2.86961	-0.64689	58.95875	1.96E-11	1.03E-10

LOC114303181	0.069915	0.118087	0.038409	3.495071	3.552455	4.131937	-5.64552	0.735242	322.6799	2.3E-31	6.04E-30
LOC114303180	0.124725	0.224704	0.411121	5.396108	5.819668	6.171178	-4.62614	1.898513	583.4955	2.34E-40	1.21E-38
LOC114303183	2.268389	2.060776	1.897603	3.795519	4.021513	4.215945	-1.05646	1.860601	63.48205	5.03E-12	2.77E-11
LOC114303196	1.119826	2.063325	1.677817	4.996578	2.914176	3.777762	-1.34995	-0.21791	22.11609	9.32E-06	2.7E-05
LOC114303195	0.848445	1.201889	0.811935	2.686625	2.702958	3.122146	-1.6867	1.097841	88.40316	5.46E-15	3.9E-14
LOC114303232	0.975624	0.798946	0.779607	0.403071	0.206287	0.335224	1.358149	0.746269	40.67599	7.8E-09	3.2E-08
LOC114303265	2.99285	2.631325	3.108184	0.260844	0.23472	0.338085	3.259537	1.28996	233.5696	1.25E-26	2.3E-25
LOC114303286	2.503845	2.819324	3.16694	1.111423	1.166797	0.760284	1.383311	1.055701	52.84425	1.33E-10	6.45E-10
LOC114303353	5.742316	5.04951	5.94879	0	0.078276	0.075164	6.354228	0.741364	252.5757	9.65E-28	1.92E-26
LOC114303362	0	0	0	3.582918	3.25508	3.646644	-9.26087	0.491366	316.3359	9.75E-31	2.45E-29
LOC114303380	0.765108	0.894645	0.969988	1.55131	1.811115	2.507577	-1.28924	0.59409	37.60676	2.32E-08	9.1E-08
LOC114303387	1.887275	2.125067	2.833958	1.029219	0.900414	0.951086	1.136633	-0.20519	14.74735	0.00023	0.000548
LOC114303474	0.467589	0.760505	0.761125	1.794429	1.958192	1.832753	-1.60768	1.170178	83.72623	1.82E-14	1.24E-13
LOC114303507	7.861988	8.210281	9.333173	0.338131	0.425973	0.357911	4.377523	3.406498	1436.188	2.71E-56	4.73E-54
LOC114303508	1.678283	1.464125	1.628035	3.353151	2.510315	3.179411	-1.01632	2.221071	70.9073	5.88E-13	3.52E-12
LOC114303528	0.165455	0.232877	0.22724	4.774686	3.96664	4.377475	-4.47738	1.762504	551.1138	6.36E-40	3.17E-38
LOC114303559	1.772558	1.330598	1.839385	3.580216	3.594151	2.774565	-1.09629	0.651979	29.20034	5.39E-07	1.81E-06
LOC114303550	9.161511	8.337062	8.930322	1.550301	1.276139	1.331972	2.574306	3.556044	920.8099	9.38E-49	8.85E-47
LOC114303638	0	0	0	5.490499	4.121963	3.571963	-8.67734	-0.07411	199.5721	2.99E-24	4.57E-23
LOC114303675	1.254255	1.376982	1.033577	0.456003	0.583442	0.301673	1.343718	-0.15602	20.43618	1.89E-05	5.27E-05
LOC114303701	1.209261	0.883217	1.292756	2.732924	2.105034	2.1112	-1.11622	0.710708	31.35215	2.36E-07	8.25E-07
LOC114303850	0.761304	0.598065	0.778118	0.321841	0.304088	0.340668	1.035878	-0.03965	14.47696	0.00026	0.000615
LOC114303856	14.97999	16.30736	15.30255	2.964913	2.980179	3.036604	2.267708	4.568943	1341.443	1.7E-55	2.74E-53
LOC114303935	1.26321	1.179231	1.221863	2.315916	2.147991	2.581974	-1.04868	2.341151	84.26677	1.58E-14	1.08E-13
LOC114304082	1.295136	1.069435	1.517887	9.103391	8.403516	9.671518	-2.90515	1.880518	364.0337	3.2E-33	9.56E-32
LOC114304186	1.516324	0.589821	1.575173	3.658502	3.590862	3.410239	-1.61909	1.415792	72.76426	8.23E-10	3.71E-09

LOC114304288	0.065974	0.037143	0.072488	8.005221	8.309629	8.591384	-7.18335	2.971405	1717.431	5.15E-60	1.2E-57
LOC114304457	2.240012	1.921713	2.461194	0.096951	0.610688	0.513112	2.230706	-0.23744	42.71782	3.83E-09	1.62E-08
LOC114304586	4.582853	5.104795	4.981228	0.850996	0.88164	0.541821	2.593636	1.820025	245.7537	2.38E-27	4.59E-26
LOC114304835	0.100445	0.084826	0.110363	1.82591	1.150128	1.380515	-3.90464	-0.08013	130.1068	4.15E-19	4.14E-18
LOC114304846	1.419029	1.691813	0.917145	3.186491	4.53998	5.39204	-1.82901	0.116994	49.59804	3.79E-10	1.77E-09
LOC114304851	1.905675	2.056378	2.311954	0	0	0	8.347871	-0.13004	135.5788	1.91E-19	1.97E-18
LOC114304912	3.456171	2.91873	4.034779	10.20939	7.883943	10.09409	-1.52998	0.880502	64.43483	3.8E-12	2.11E-11
LOC114304973	11.52462	11.71719	11.95496	24.33862	23.77233	23.47963	-1.12882	4.004017	326.7553	1.48E-31	3.93E-30
LOC114305026	1.044628	0.693685	0.824044	2.239783	1.495167	1.840687	-1.19261	0.65329	33.66031	9.87E-08	3.61E-07
LOC114305046	0	0	0	1.871274	2.009153	1.607743	-8.0236	-0.70542	127.0584	1.06E-18	1.03E-17
LOC114305241	3.858992	3.889237	3.873613	1.688786	1.261504	1.27684	1.372172	1.772166	88.28825	5.63E-15	4.01E-14
LOC114305266	1.814246	1.564047	2.180268	3.813283	3.529909	3.584405	-1.07436	1.576724	53.78635	9.83E-11	4.83E-10
LOC114305267	1.832806	1.820943	1.895323	3.38071	3.356255	3.630335	-1.00865	1.600405	49.97676	3.35E-10	1.57E-09
LOC114305329	0.533765	0.47353	0.58647	0.911485	1.134386	1.133757	-1.11172	0.624536	30.16198	3.72E-07	1.27E-06
6cb30582-c25f-49c1-861d-f29a2e8835a8	3.51924	2.641771	3.061165	1.332781	1.154326	1.309978	1.179126	-0.01993	18.5573	4.23E-05	0.000113
dc79016c-760e-496f-9f14-656b71806154	21.59097	19.13201	20.00975	44.36791	42.32364	46.1892	-1.23231	3.394524	268.9813	1.19E-28	2.53E-27
16c27210-ce36-4198-89eb-06be9cd6fc84	8.775718	7.857529	5.924754	4.036222	2.118657	2.470396	1.327018	0.653088	35.23698	5.85E-08	2.2E-07
7d53e301-f6fc-4680-9940-df41b954a4af	35.64522	34.24735	38.10399	14.84618	14.91405	13.87888	1.203054	4.231418	370.1287	1.76E-33	5.34E-32
518b828f-8b02-4e68-9b9c-d256fc83a688	1.971926	1.526514	1.692685	0.168029	0.0882	0.042347	4.043391	0.017142	107.9273	5E-17	4.19E-16
283aced0-12bb-4f33-97a8-5b35cf7b31ca	2.204889	1.576318	1.615069	0.827067	0.75139	0.865828	1.041995	0.285589	18.41281	4.51E-05	0.000119
df848b9b-164e-41a2-8ac3-3fcad113afce	3.171946	3.571604	3.48515	15.9486	15.06887	17.53084	-2.35583	3.158869	668.4223	3.49E-43	2.21E-41
0158bf7-54d4-45dc-a7e8-fa80052b3df8	21.35287	14.15633	19.51453	7.255272	5.426929	4.662668	1.591993	0.937404	60.2898	1.36E-11	7.24E-11
5570d83e-1d59-4263-add5-5f9728d529fa	2.856255	3.135733	2.746001	1.427844	1.430847	0.490704	1.308438	-0.08579	19.95905	2.32E-05	6.37E-05
82dc2950-3b19-4450-a42c-26594971e36e	29.28113	28.51044	31.84186	3.828031	4.664621	4.617031	2.651643	3.351096	824.0578	8.37E-47	6.69E-45
a8eca831-549e-45fd-90d0-fb867bf3674f	29.28113	28.51044	31.84186	3.828031	4.664621	4.617031	2.651643	3.351096	824.0578	8.37E-47	6.69E-45
0e28f1b2-fa13-4238-bf50-87589a5d4b01	1.889559	1.791696	2.513218	3.97723	3.416222	4.237225	-1.01047	-0.06507	15.02015	0.000203	0.000488

9b7b08eb-13a4-44fa-96c8-6539acac5b75	2.754741	2.215594	3.27383	9.402074	9.655927	10.43113	-1.94357	1.781955	181.0386	3.55E-23	4.99E-22
3c79b2c6-2028-4086-843a-2daa77d7c260	0.201562	0	0	5.129647	5.625627	5.263503	-6.03138	-0.26744	157.0961	2.27E-21	2.73E-20
63c7eb22-bf11-4d89-98a5-b27a0efbc26b	2.522804	1.893781	2.617915	9.426791	6.619924	8.186777	-1.8656	1.190987	110.8671	2.57E-17	2.2E-16
9b550364-379b-4d71-91db-27707e72e9d4	1.542265	1.46942	1.629376	3.127051	4.414862	4.076325	-1.44286	0.518757	45.31036	1.58E-09	6.92E-09
159f4286-4344-4b8e-82d1-03de4ee701fb	2.983514	1.455753	2.403948	0.813524	0.854056	1.435189	1.015896	0.139523	14.39992	0.000289	0.000679
06539777-f5c4-4a7b-901b-f91387a06c49	2.251059	2.131441	2.473332	0.837005	0.366127	0.984408	1.540814	-0.02133	28.55242	6.94E-07	2.31E-06
77c70521-1fc0-408f-959f-8ec42f8edb3	1.754497	1.382892	1.493998	0.159468	0.502239	0.421992	1.916175	-0.39562	30.69597	3.03E-07	1.05E-06
8586b7ad-23cd-4a37-b0e5-1aa8f8891b6d	4.939916	3.003661	3.582277	0.538793	0.141409	0.950519	2.679889	-0.3597	48.43801	6.13E-10	2.8E-09
1f8607b8-a5ce-49a0-ab17-7415b2a59937	0.980246	0.694957	0.518573	3.299837	3.221745	2.744398	-2.15239	0.699435	100.4874	2.82E-16	2.23E-15
b25d78b9-8b2e-402d-b591-c882c8490d69	1.061454	0.796796	1.036679	1.286355	2.194472	2.107245	-1.07437	-0.3465	13.49935	0.000407	0.000935
f587218d-460c-4721-bc9d-8703401d683f	0.986043	0.621758	0.953398	1.505659	2.032295	2.005723	-1.22405	0.124959	24.68461	3.24E-06	9.97E-06
4e0a5493-77b7-4639-bb7f-25e001aaca86	3.775113	2.65673	3.925666	1.838164	0.771898	1.575085	1.231661	0.232679	22.77052	7.17E-06	2.11E-05
4bc6d04b-9133-4fc2-8cb6-c0d28d06e67f	3.775113	2.65673	3.925666	1.838164	0.771898	1.575085	1.231661	0.232679	22.77052	7.17E-06	2.11E-05
95f54466-ff67-4add-8a09-d726d270b4d2	3.775113	2.65673	3.925666	1.838164	0.771898	1.575085	1.231661	0.232679	22.77052	7.17E-06	2.11E-05
5e1fe58f-1fd3-4034-a05f-a5992c6950c4	3.775113	2.65673	3.925666	1.838164	0.771898	1.575085	1.231661	0.232679	22.77052	7.17E-06	2.11E-05
4bae2af4-ebaa-4843-8fab-e9a07611db85	3.775113	2.65673	3.925666	1.838164	0.771898	1.575085	1.231661	0.232679	22.77052	7.17E-06	2.11E-05
6f7576fa-081b-4041-947b-a74ecaa95839	13.01219	9.639273	12.79208	5.602224	2.940669	4.706302	1.336412	-0.30835	18.14887	5.05E-05	0.000133
d7e3c713-f14e-4981-a79d-6a6e4c58abdf	1.696965	1.558305	1.918833	0.509138	0.589527	0.611382	1.475426	1.132354	64.7945	3.42E-12	1.91E-11
3890e7ac-2a72-4fe8-a613-14cf0d99521f	5.787482	5.604355	5.553481	0.490962	0.441791	0.742403	3.201288	1.33609	236.7925	8E-27	1.49E-25
cb223cbe-15a0-4018-99cf-84f2b780c7f0	0.559913	1.260921	0.223709	16.10009	17.4122	15.04109	-4.67569	2.352024	479.9653	3.11E-16	2.44E-15
d7b89a32-b460-494f-88e8-9e5db57a021f	13.8024	12.21963	12.84997	29.20818	21.2633	24.68999	-1.04035	3.460885	169.9539	2.62E-19	2.66E-18
46a45240-6692-40ee-b497-19fa0be66da7	8.022044	7.37767	7.645807	0.59695	0.559546	0.38686	3.811408	2.973312	902.5061	2.12E-48	1.93E-46
59cf3db3-c7aa-4419-8d82-e5c62b34fc92	3.221397	4.760813	5.014269	1.951975	1.056632	0.737915	1.738227	0.428605	44.97034	2.81E-09	1.2E-08
5560a092-b25a-47d9-9934-9f48df416f2c	12.70162	12.77316	15.15888	3.264345	2.068726	4.093388	1.997276	2.528622	228.3236	4.24E-22	5.4E-21
71d132de-3a3f-437e-ad2e-b004b1b8abe7	16.99838	12.18009	14.71508	0	0	0	8.467092	-0.03	145.613	2.77E-20	3.04E-19
efb50ecd-96fb-4c7c-93ee-906a105a5526	16.99838	12.18009	14.71508	0	0	0	8.467092	-0.03	145.613	2.77E-20	3.04E-19

2e9c23ca-d3d6-4637-9e0d-af0aff00b61f	16.99838	12.18009	14.71508	0	0	0	8.467092	-0.03	145.613	2.77E-20	3.04E-19
31c9ef94-05ab-471d-9dc9-2f73c4901e94	6.086566	4.774951	6.002362	0.317418	0.249924	0.274275	4.217757	1.864038	438.5013	3.58E-36	1.36E-34
9e7ead4c-14dc-4cf0-8708-31c34439baeb	1.177089	0.92778	0.905322	4.065503	3.790706	4.125368	-2.07896	0.399524	80.19584	4.61E-14	3.04E-13
90b49ba3-888b-4a08-92a8-72e68c70d221	0.156132	0.175804	0	5.960224	7.374527	6.330342	-5.83794	0.389419	249.2133	1.5E-27	2.94E-26
50da94d5-b026-4ea9-852e-7b1d243c6430	0.946893	0.878047	0.795593	5.568857	5.181955	5.20564	-2.69136	0.773193	157.3066	2.19E-21	2.63E-20
cc4ea2e-b9d7-4958-ac98-6c361675af30	2.385721	2.479677	1.693757	0.400321	0.682932	0.252226	2.176905	0.249159	58.48615	2.57E-11	1.33E-10
f473cb14-4171-475d-85d0-cd5784de6358	7.441661	8.320285	7.543076	2.095827	1.875209	2.232833	1.798001	1.543197	121.3508	2.59E-18	2.42E-17
96248ff1-4b5e-4cff-aa05-f585da0c890b	15.11226	14.04363	15.40415	0	0.456055	0.062561	6.176378	2.324939	673.2405	4.09E-36	1.55E-34
c797f8d6-d492-402c-87c1-4baf6504b5db	42.81483	44.38327	41.93498	17.02371	17.11963	17.31715	1.221766	6.04176	1164.132	6.19E-53	8.24E-51
8eceec7f-4baa-4e64-964d-c8860a1f399b	17.72558	18.58679	17.7717	0	0	0	9.974833	1.354557	438.1374	9.68E-36	3.53E-34
cff198cf-b9dc-4971-9124-3261614341ff	16.96492	16.43079	17.01069	33.10361	34.30008	32.03991	-1.08498	3.685665	256.5359	5.76E-28	1.17E-26
17ec6f48-9044-4c13-bc19-861fda3af104	2.334074	2.291218	2.367271	5.276463	5.5679	5.223201	-1.30507	1.980313	103.1331	1.51E-16	1.22E-15
23aaf7eb-6764-401f-be06-4557fea907de	84.10886	75.13125	78.86108	216.7014	206.2884	213.5627	-1.52295	5.753973	1550.479	3.88E-58	7.97E-56
6888e84e-b9fa-4668-9a0c-a44203e904ac	0.890414	1.055373	1.1843	1.874184	1.878125	2.061112	-1.0045	0.022	15.97738	0.000132	0.000326
e3b59cb6-2684-4b9f-8915-c6c5247f3a88	3.575461	2.9043	3.146716	1.293443	1.55308	1.197968	1.145369	1.975537	70.83308	6E-13	3.58E-12
a06fd179-3fc2-457f-bf85-bf6ec7fdc964	3.734215	3.290648	3.995904	17.82623	16.68491	17.00355	-2.32436	3.303637	753.1385	3.08E-45	2.2E-43
3e1515fa-8a47-450b-9ba3-4575ea22ec2c	0.285579	0.388091	0.357057	0.107406	0.225515	0.040603	1.339089	-0.30235	16.39015	0.000122	0.000304
0d7c8a77-4c24-400b-9df9-61831dbe3d6c	15.21666	13.58898	13.42476	50.14439	49.4598	47.08175	-1.89596	3.689828	703.9623	4.51E-44	3.02E-42
b5ebc10d-d8c5-498c-8fe9-92a134075f2b	1.983539	1.927507	1.731576	7.359619	8.478177	7.20756	-2.134	2.435931	317.0308	4.26E-31	1.1E-29
78620b32-abdc-4c0f-8242-b2124321d4ad	8.426386	6.49728	7.748896	4.162409	2.490779	3.398837	1.094035	0.911714	31.41779	2.3E-07	8.06E-07
c7df1e10-2b65-41f0-add0-95b5baced524	6.807133	6.786048	5.907203	2.837385	3.040807	2.383624	1.137819	1.7203	60.31989	1.3E-11	6.89E-11
fb7f254a-c769-49b5-843c-9418d6e7ea71	1.115481	1.046691	1.12349	0.056326	0.066524	0.042587	4.157383	0.30729	143.0023	3.19E-20	3.48E-19
ee9ae06a-945f-4092-9025-a3d561d2626c	4.598468	3.715879	4.993087	1.081778	1.393782	1.115318	1.770919	0.739946	65.3621	2.89E-12	1.63E-11
331e279d-f6d4-4ebe-9c41-51ca8ab55af6	0.524061	0.221284	0.215928	4.048757	4.594262	4.141546	-3.76899	0.112853	146.1497	1.75E-20	1.94E-19
4a2a633b-dfe1-4f8a-9dfb-2117e2fbec17	0	0.074736	0	2.775062	2.564989	2.006917	-6.24628	-0.77457	109.0006	3.91E-17	3.31E-16
a3f66198-9be1-4f34-a2b3-5ec33fbb8095	9.486469	6.911716	10.42318	22.31668	19.1688	29.91117	-1.51453	-0.09712	30.97997	2.72E-07	9.44E-07

b39907ae-91c1-4497-8428-6d54286c29ef	4.872649	4.981248	4.578893	2.097854	1.560014	2.64354	1.081666	0.778919	28.44952	7.22E-07	2.4E-06
ca37c006-7baa-4d8f-be80-cdef8802c201	4.872649	4.981248	4.578893	2.097854	1.560014	2.64354	1.081666	0.778919	28.44952	7.22E-07	2.4E-06
d9c6517b-800e-48c7-a25b-8596ba413611	3.746756	2.244064	2.715282	1.304221	1.2551	1.095647	1.161455	-0.19568	15.29644	0.000179	0.000434
d67be7e9-f584-4458-89f4-35027b21d1e6	0.401929	0.502856	0.294411	0.040591	0.01598	0.138103	2.424483	-0.44513	37.79713	3.15E-08	1.22E-07
03f7ae40-162d-42a5-9cb4-80ef2703a1c2	1.769201	2.056378	1.442245	3.112347	3.920892	4.157234	-1.20742	0.592272	33.82705	9.28E-08	3.41E-07
18267fb3-aebd-4dd1-b4a4-0f344caf4684	3.787573	2.696858	2.876376	6.581376	5.500844	7.272585	-1.14206	1.405977	52.52711	1.47E-10	7.1E-10
f5b255f9-21b5-4ae3-98be-7fc2c2936cdb	3.787573	2.696858	2.876376	6.581376	5.500844	7.272585	-1.14206	1.405977	52.52711	1.47E-10	7.1E-10
7caf51c3-56d4-41b5-a59c-c40b98379d96	0.536957	0.633403	0.7164	0.162682	0.182986	0.105428	1.953781	0.028757	44.16586	2.33E-09	1E-08
aa737109-4eda-4a6c-ae91-b1d2435f0441	4.635921	3.355738	6.549017	13.24286	9.163109	10.92276	-1.28062	1.153922	50.70208	4.58E-10	2.12E-09
0122a589-5057-4ab6-85be-ae2f5fadf25c	1.488073	1.04723	1.90751	2.592341	2.751078	3.40868	-1.08958	0.172254	20.23446	2.06E-05	5.71E-05
7df55266-787a-4fce-8487-c70494f053b8	9.999454	8.977059	9.650582	5.035581	3.674737	3.807251	1.109449	1.648068	55.2068	6.28E-11	3.13E-10
4e382c5a-24d3-4f3d-b74c-be93ac9a04bf	3.308425	2.919813	3.045628	6.826845	6.015136	7.250778	-1.21352	0.767901	39.72151	1.09E-08	4.41E-08
7c103c27-da85-415d-b2b0-a34ff9d950bd	3.308425	2.919813	3.045628	6.826845	6.015136	7.250778	-1.21352	0.767901	39.72151	1.09E-08	4.41E-08
a30e3a34-988f-44cb-ba93-9c072e21ccb1	3.308425	2.919813	3.045628	6.826845	6.015136	7.250778	-1.21352	0.767901	39.72151	1.09E-08	4.41E-08
32f04872-0b42-425d-bf3c-328cdd0c8f21	6.315402	6.840228	5.881625	2.077383	1.721749	1.735977	1.684893	1.101556	79.26364	5.91E-14	3.86E-13
49f7a5b4-e6d3-4bca-9428-067fa63a4a9a	1.907183	1.8407	1.257301	0.594329	0.701932	0.374462	1.482073	-0.49116	18.49215	4.35E-05	0.000116
db201d78-87c1-4b3a-9dbf-6756a91944ad	3.461279	1.37555	2.460798	9.252922	8.451111	9.794196	-1.98268	-0.15008	47.6495	7.21E-10	3.27E-09
6c7f2e97-e2e7-4b2d-be88-3c28ef55c439	3.847981	4.637947	3.989744	0.788163	1.008431	0.819371	2.12521	0.58891	78.37758	7.5E-14	4.84E-13
0670f00f-1a6c-44c1-9275-c5d3dda86f5c	3.611038	4.23427	4.432765	0.04527	0.213867	0.136911	4.738207	1.40973	342.4045	2.84E-32	7.97E-31
d0fee097-1d4a-4210-acf7-4c4dfdc35dd	5.224758	5.335804	5.696158	2.135137	1.681135	2.449301	1.265448	1.523653	64.65928	3.56E-12	1.99E-11
12babea0-75b8-4563-a495-fcda34aca12a	10.62772	11.16414	13.88439	23.32453	24.02284	22.08825	-1.06808	3.047439	140.859	5.82E-20	6.22E-19
8ede44a7-61fa-4f63-b3bc-e447b1af3c24	20.73572	22.11951	22.25026	3.306477	3.644772	3.999883	2.450929	2.659273	417.3718	2.22E-35	7.85E-34
2eed8c0b-7c55-400f-86d0-eeb02fb07930	0.646428	1.399762	0.928798	38.59721	33.16583	33.8978	-5.25797	3.494976	1994.703	4.2E-55	6.48E-53
139574f4-3c1e-4dfe-a2f9-d8b25af395e4	3.34129	2.368846	2.311506	0.674874	0.79706	0.680336	1.784541	-0.10515	34.57743	7.02E-08	2.61E-07
225d45c3-669a-4bc8-b8c0-b97d52079ecc	2.91269	2.893837	3.223825	1.129028	1.164842	1.5012	1.128471	1.627241	56.59791	4.07E-11	2.06E-10
db071e6e-32af-4653-b9ab-cc8cf8461214	1.294798	1.52421	1.163986	4.49345	3.369516	3.397362	-1.58024	0.422904	49.17228	4.36E-10	2.02E-09

1fa930de-db9f-416e-9354-3f9eebe0e865	5.546198	6.101112	5.72877	1.393824	1.353522	1.791508	1.816296	2.127709	178.2005	5.7E-23	7.87E-22
b314a9c9-70d7-47dd-9a63-c00d64c0399f	1.597707	1.840852	1.796292	0.067543	0.053181	0	5.231562	-0.25067	104.8267	1.02E-16	8.35E-16
51f96671-0537-491d-9be9-f87f3a86cbb3	58.87191	45.55449	61.61938	16.73751	27.1558	14.57211	1.391223	2.039829	76.25751	3.06E-10	1.44E-09
953b6b22-fcc1-4d56-8d06-746f980e97e6	4.009858	3.755125	4.493042	0	0.056825	0.054566	6.364924	0.752158	254.0698	7.94E-28	1.59E-26
5ffb5ff6-d4ad-4eea-82b8-6950c8dba40d	4.599816	4.598023	4.074151	0.767906	0.537443	0.645101	2.667949	0.796066	127.2339	7.5E-19	7.34E-18
7ba5c5f7-e83d-4a2c-821c-f7a6dc3bc860	1.181705	0.90185	1.081991	2.625492	2.443083	2.472295	-1.3471	2.060092	112.2269	1.89E-17	1.64E-16
4815e565-3c51-47b4-9360-4401849fa5d6	6.360631	6.445851	6.726615	16.04296	13.65588	16.06352	-1.32947	2.069874	111.3079	2.33E-17	2.01E-16
29e9d69a-33f8-4cf5-8209-89dfc576e949	2.58287	2.262016	2.711778	0.626026	0.575064	0.946639	1.679703	-0.0725	32.68381	1.42E-07	5.12E-07
94e4d0e7-73e5-4569-b0a4-bcc3283f5a47	1.989009	1.903677	1.748326	5.061929	2.989195	4.647279	-1.24919	-0.03854	22.4865	7.99E-06	2.34E-05
2613e1a7-f806-4cb7-8724-a0cbdffa4e372	3.644655	2.638204	3.575477	9.346451	7.079623	8.945024	-1.45217	1.471422	86.28571	9.38E-15	6.54E-14
156f11de-5ca9-4610-a881-7101c2d4c769	0.693193	0.459137	0.627233	1.853089	1.867597	1.513149	-1.63337	-0.13745	34.9908	6.03E-08	2.26E-07
bd6ab4d4-9e46-4d81-bcbb-4338984998e2	4.74772	4.364018	5.056829	1.497129	1.733513	2.197283	1.254627	1.087382	46.99729	8.96E-10	4.02E-09
15685811-db53-4445-92e0-64735bf0e4ed	1.729325	2.044577	1.710073	6.208618	6.435438	6.298477	-1.89483	1.534624	151.2228	6.71E-21	7.73E-20
79d8701c-2e23-4aea-b78c-099ca9d52e6b	1.408679	1.379278	1.278597	3.785423	2.805191	4.12471	-1.49214	0.331824	41.75222	5.35E-09	2.23E-08
546f12e7-0f62-4ded-b484-80000175953c	0.208536	0.091316	0.229127	0.505442	0.364804	0.557301	-1.51229	-0.15842	28.40979	7.34E-07	2.43E-06
3a3309e6-16e4-4a25-8389-d99c74ef82c0	0.322111	0.290157	0.442396	0.761202	0.576294	0.841148	-1.14648	0.084999	20.99386	1.49E-05	4.22E-05
a5169eda-4010-4966-a9e6-4a8b7d55f8c7	2.325877	2.398757	2.453769	0.767032	0.751236	0.76381	1.545655	2.225123	148.9854	1.02E-20	1.16E-19
f457acee-70dc-4ab8-861f-40dd85635585	0.13666	0	0	5.341097	3.618601	4.31998	-6.29707	-0.00518	188.7625	1E-23	1.48E-22
c3c9bad2-c043-43e0-ac47-4246fd447ba3	2.007378	2.054822	1.779511	0.414665	0.48974	0.438922	1.999978	0.753637	81.6618	3.13E-14	2.09E-13
61496c23-463f-463d-8331-2d903bd33aaf	1.293401	1.022555	1.148985	7.40369	6.971668	6.391975	-2.67272	2.172156	386.7683	3.59E-34	1.16E-32
59d0b175-7f36-499c-9d47-e8393981f306	1.060762	0.575089	0.604335	1.49977	1.574491	2.105871	-1.30447	0.00777	24.86893	3.01E-06	9.28E-06
48926cbc-0646-462a-86a9-a85fa7631689	1.865406	1.131008	1.497785	4.173509	3.183391	4.831804	-1.52567	0.281398	41.00966	6.94E-09	2.86E-08
f464f0c6-d4a8-4a01-8806-9a19ec50a98d	1.865406	1.131008	1.497785	4.173509	3.183391	4.831804	-1.52567	0.281398	41.00966	6.94E-09	2.86E-08
d37e0d95-be2a-4da3-9455-ce8b7e44b211	2.067205	1.25336	1.659814	4.624996	3.527768	5.354505	-1.52567	0.281398	41.00966	6.94E-09	2.86E-08
2955b8c8-d65a-4c9e-87b7-dc5c98837b2a	1.257841	1.447116	1.081598	0.049707	0.078276	0.037582	4.305876	-0.2478	92.57732	1.92E-15	1.42E-14
4dffcf49-6ff0-489d-985d-562c6c8e9080	0.501032	0.523864	0.314574	8.587415	7.581011	7.869921	-4.24456	1.857882	556.3277	4.43E-40	2.24E-38

1e0b853e-0c05-45d6-bbd2-618036d86b45	26.06897	24.56655	22.66293	0.934187	0.936151	1.41262	4.351404	4.013309	2046.914	7.23E-58	1.45E-55
03809cc1-23cb-4ebd-9176-935288925b94	3.630541	1.771458	2.526384	16.49919	15.58909	14.47046	-2.6254	1.203407	193.0652	5.05E-24	7.57E-23
fc9e74ae-c5b6-469a-ab56-08c9e7598298	4.643687	4.774104	3.32753	20.4612	17.98881	16.02508	-2.18616	2.769124	381.7917	1.07E-30	2.68E-29
6e0ff7ce-3245-4120-8097-29746ee3a4db	4.429787	4.310557	4.326393	0	0	0	8.946717	0.404153	211.0885	5.34E-25	8.65E-24
84855084-8dac-4962-b04d-5281cf693886	1.650074	1.238653	1.33817	2.928122	2.642896	2.753831	-1.06681	0.730407	30.0088	3.94E-07	1.35E-06
ef736e44-6cc3-4a90-9b01-2723f6c17370	6.182278	5.900911	6.072968	15.70382	13.82967	14.34911	-1.37114	2.950995	221.4572	6.91E-26	1.2E-24
10966c86-8cda-4e26-b9d6-f351def181c7	4.405328	5.723527	5.241291	2.037564	2.425119	2.328724	1.057095	2.117302	65.63108	2.67E-12	1.51E-11
b9366ac8-a399-4382-8169-379c6a0b5a0f	2.502435	1.526274	2.291275	8.339797	6.715714	8.025141	-1.94801	0.541322	77.66833	9.09E-14	5.83E-13
1b5644db-2550-4822-b9e6-d7e4d6575c79	2.502435	1.526274	2.291275	8.339797	6.715714	8.025141	-1.94801	0.541322	77.66833	9.09E-14	5.83E-13
375ebaa4-b573-4600-b7b0-82ac492a5772	327.9208	328.3056	327.0538	847.3791	835.416	863.759	-1.47804	8.754516	3651.935	2.04E-37	8.51E-36
d2a1d879-9186-47c8-a28c-7c73733551b0	13.89651	10.45908	13.25964	2.792047	2.6171	2.513074	2.147605	1.682314	170.9455	1.96E-22	2.57E-21
2f2c25ed-e7b0-4bac-8468-896ffb4e547e	13.89651	10.45908	13.25964	2.792047	2.6171	2.513074	2.147605	1.682314	170.9455	1.96E-22	2.57E-21
b22ddfa0-9ed5-40c6-aa67-6d1b3db85d8d	49.8125	36.70006	44.25784	8.943233	7.041601	7.184314	2.407018	1.383081	164.0599	6.51E-22	8.18E-21
7ec57f51-2bad-4b3a-9d1b-fc9a846d081c	49.8125	36.70006	44.25784	8.943233	7.041601	7.184314	2.407018	1.383081	164.0599	6.51E-22	8.18E-21
69af6773-805b-4df7-9093-f15db610dcdb	1.728085	1.094524	2.136059	5.497364	5.101375	4.75016	-1.71151	-0.01849	41.10207	6.72E-09	2.77E-08
59426350-0d8c-48ab-b046-f0b0db8a7fa9	2.644509	2.899351	2.217457	0.253013	0.398428	0.286943	2.882771	-0.44014	53.26458	1.16E-10	5.67E-10
16567ea8-18ff-4b9d-9be0-d3d443831db3	48.9745	50.55401	49.61342	17.19368	18.61437	18.54113	1.349019	6.054845	1380.37	5.13E-56	8.77E-54
f6569567-9447-4744-aedb-b1cc92e99d57	16.25	13.56025	15.77441	5.640246	4.967831	6.505046	1.305485	2.591446	134.9269	1.56E-19	1.62E-18
c63e6ac9-1551-41aa-a57b-d156f5aae624	3.524385	3.53192	3.097911	2.050145	1.31155	1.1141	1.117122	1.116006	36.8344	3.07E-08	1.19E-07
26586f1d-b98b-4a8c-87ea-004ca7f7c4ea	3.528512	3.536056	3.101538	2.052545	1.313085	1.115405	1.117122	1.116006	36.8344	3.07E-08	1.19E-07
ff189051-b611-499a-b5f5-5f6edc5ad102	3.528512	3.536056	3.101538	2.052545	1.313085	1.115405	1.117122	1.116006	36.8344	3.07E-08	1.19E-07
70ea3ade-7834-4cd1-99eb-05e713a94ebd	5.675366	3.955992	5.93882	1.473829	1.160443	0.557159	2.215841	-0.32182	39.8289	1.05E-08	4.26E-08
261d7610-e996-493b-ba38-acd6634a8437	2.54316	2.963485	2.404377	8.493438	9.269311	9.876307	-1.91741	2.622437	304.1038	1.81E-30	4.43E-29
86abcf08-12f1-4623-b02e-de9e97fd258f	0.171701	0.096667	0	5.774245	4.546447	6.489602	-5.83407	0.024951	190.5924	7.49E-24	1.11E-22
d539b37c-bdc4-4408-81e9-729742a427fd	1.078462	1.452452	0.999076	0.384402	0.575064	0.435952	1.2059	0.340755	24.33983	3.73E-06	1.14E-05
8b23d8e6-b9d6-46a8-a427-6dcbc0c29f88	6.787015	5.925096	6.230046	1.717891	1.90595	1.771153	1.702412	2.518886	208.5353	4.63E-25	7.55E-24

e417ff96-7cd4-4639-a099-6d7622620be4	0.354929	0.31972	0.350978	1.871074	1.625623	2.243947	-2.57319	-0.00958	82.6177	2.43E-14	1.64E-13
a7e192fb-f405-4d25-865b-1bfe475ed1fc	14.48976	15.92465	15.34851	0.031545	0.037256	0.011925	9.002228	4.691047	4866.773	1.52E-79	1.66E-76
bbb9ca8d-9b66-452f-91f5-33f7a008149f	12.59263	12.82206	12.9299	2.537054	2.950987	3.00807	2.05502	2.890837	386.2811	3.76E-34	1.2E-32
20fc8209-f1a9-4e77-ac46-dec988420e72	2.935234	2.612069	3.277081	1.204842	1.355218	1.138681	1.146025	1.454649	51.51712	2.03E-10	9.71E-10
11a0d0b8-c259-4131-b426-5067a59fe2fa	5.90003	5.479884	6.48261	0.96951	0.906489	1.145339	2.445768	1.691384	214.4477	1.92E-25	3.24E-24
de8c7919-4745-467a-beda-ea1cc956ddf0	3.789607	2.477665	1.947584	0.777771	1.312266	0.756063	1.415729	0.015719	23.73059	5.56E-06	1.66E-05
3b4c9e71-b6f7-43cc-978d-847922e6a0d8	4.002551	2.961653	3.392565	0.831534	0.654722	1.41457	1.705076	0.343386	44.43061	2.13E-09	9.22E-09
095f0d65-addf-41f5-811f-ccc5f3328b62	3.533569	2.873571	3.127553	24.44459	19.94929	23.87797	-2.92881	2.019288	397.8538	1.28E-34	4.29E-33
d5684c0d-cc5b-4971-af85-8e9d162d0c3e	1.57355	1.948996	1.210248	0.500576	0.563052	0.324403	1.66368	-0.18378	28.24654	7.82E-07	2.59E-06
b52310c4-7e85-4a4c-9999-60d742dcf76c	0.068704	0.07736	0.135878	0.724369	0.826015	0.698756	-3.0842	-0.06456	101.2166	2.37E-16	1.88E-15
f811662f-baa3-41d8-bbb9-2cd467ee272a	0.498199	0.560971	0.56398	0.027444	0.108041	0.062248	2.827269	-0.48458	49.7047	3.66E-10	1.71E-09
debb1c73-2017-464c-8667-a6b023984dd0	17.9079	15.89874	18.82479	48.20402	41.28139	45.20202	-1.45356	3.472791	369.5868	1.86E-33	5.63E-32
f492c7e2-b52d-40bf-841e-be8a4fecae2f	2.645553	1.380459	2.197808	4.809142	3.417137	4.345519	-1.0883	0.598058	26.62485	1.5E-06	4.8E-06
fae53a65-e228-4a6e-9115-e3cd04938441	18.80902	18.90713	20.2372	8.873213	9.128987	8.408322	1.027979	2.711614	100.1677	3.04E-16	2.4E-15
8ce8de69-9932-4bc1-b11d-07b5b3ad4acf	2.727013	3.761497	3.595539	0	0	0	8.24776	-0.21547	123.8016	2.08E-18	1.96E-17
bef42cfd-a73b-4434-9697-88ee10ae2972	7.845405	5.922734	6.954833	4.213639	2.169251	2.328088	1.197181	0.802653	32.98768	1.3E-07	4.7E-07
4aa7825b-1d20-466a-8bb3-5723fac4f10a	1.170757	0.993773	1.28636	0.425645	0.412479	0.495104	1.256343	0.515535	31.20124	2.5E-07	8.71E-07
6c95dd1a-1cf9-4da4-b0ed-0f47c6669413	8.523365	9.066466	7.375955	0.308508	0.539797	0.233254	4.404698	2.791472	781.1619	2.08E-38	9.32E-37
a60038ec-2058-47c7-ac4d-c27784f05c64	0.478792	0.504889	0.668024	0	0.010878	0.010445	5.855323	0.29438	167.2471	3.71E-22	4.76E-21
ffb6018-97c8-4d27-b850-15874cba3e46	1.265146	0.777028	1.137329	1.881663	2.140029	2.134003	-1.05056	-0.19388	14.68619	0.000236	0.000562
35bd5875-7259-4413-ba29-a5347e244a8d	2.467506	2.778407	3.368401	5.708801	6.207268	6.063305	-1.17408	0.88171	39.92934	1.01E-08	4.12E-08
0376bf9a-b944-4580-b67a-47d8ff75d80b	0.664141	0.452171	0.882452	0.224612	0.176852	0.297189	1.395253	-0.03743	22.95037	6.73E-06	1.99E-05
f21ac023-fb9f-4cfc-bebc-37c0da6b0ea4	1.130006	0.848256	1.053466	2.24089	2.15649	1.929584	-1.14906	0.510592	29.50372	4.79E-07	1.62E-06
f814192e-666c-4089-82b9-5ef0aabf7890	1.232454	1.38774	1.218733	2.576437	3.351601	3.387768	-1.39833	0.172639	33.44626	1.07E-07	3.9E-07
955d6ff5-154a-4b66-bd4b-ad06e035fb4e	6.857966	8.42406	9.133495	1.133323	2.082129	4.284358	1.509324	-0.19573	23.35638	5.62E-06	1.68E-05
29c94c69-b363-4b9f-bae9-2a442b4162ae	6.62126	5.781835	6.755408	0.614095	0.773629	1.392897	2.622936	0.799987	121.5866	2.46E-18	2.31E-17

1ab2b845-7045-49f1-9448-f41e32603474	4.156343	2.574018	3.653398	12.46656	9.220855	9.996835	-1.6759	0.079769	42.562	4.04E-09	1.7E-08
a3d72977-5e25-489d-9d39-39c3da732756	11.8948	8.690904	10.57162	20.18111	21.3379	19.76317	-1.07554	3.155871	155.3097	7.34E-21	8.43E-20
9a702a51-24f4-4950-9935-cca4f7ba5bdd	2.997689	2.796033	3.342846	1.05732	1.120671	0.799408	1.518615	1.487604	85.97117	1.02E-14	7.07E-14
a3193b74-dd8f-4d1d-b8b9-d9aa9c37b6c6	1.576878	1.556656	1.732582	0.431936	0.711101	0.445328	1.487147	0.67817	46.44012	1.08E-09	4.8E-09
92878948-6f1e-4e5b-9aff-3d2b81f9be10	0.281024	0.143833	0.126316	0.557293	0.76789	0.614473	-1.89688	0.038998	49.47135	3.95E-10	1.84E-09
54fc9b16-42d7-4e0b-88cf-6e17bf7de68	3.628979	2.626857	3.560099	0.942405	1.576789	1.78131	1.046212	0.253174	17.85013	5.76E-05	0.00015
723d88a3-43a5-40d8-a514-ba43e7340fcb	6.647093	5.547418	6.701979	2.416646	2.387809	2.36455	1.2942	2.343656	114.3857	1.17E-17	1.04E-16
3e7939ff-db68-42cd-8516-8d7707220810	60.26698	63.6192	68.28715	0	0	0	7.720114	-0.6749	86.2712	1.14E-14	7.91E-14
bc749351-a44c-4f4e-a0d8-5752838b87e0	0.088454	0.232399	0.194377	2.143926	1.941263	2.390912	-3.74879	0.282371	163.7776	6.84E-22	8.59E-21
c206145c-b11c-43a6-80f6-7e0eb572779a	0.088802	0.233312	0.195141	2.15235	1.948891	2.400307	-3.74879	0.282371	163.7776	6.84E-22	8.59E-21
2b8ea241-9c9c-40ab-b48c-49891f41bba8	7.097557	6.659861	6.327635	1.754232	1.871335	1.711383	1.804571	2.059773	171.4341	1.8E-22	2.37E-21
874b62ae-a47d-43ec-8fa2-722980745d63	10.77882	10.18793	9.854875	3.861585	5.855744	3.460299	1.111396	1.533356	48.9622	4.78E-10	2.21E-09
7afdea6b-fe3c-4d69-968d-bd7fe5c20910	11.888	12.45467	12.26677	0	0.221937	0	7.039582	1.870315	563.2599	5.07E-40	2.55E-38
505e95a5-19f6-4ab3-a311-4dcd8574f96b	1.510005	0.925143	1.268728	16.02549	17.67146	16.29761	-3.84719	3.641298	1738.752	7.34E-56	1.24E-53
ac218d9f-12fe-48bd-a2bb-e33cce08009f	4.214474	3.954574	3.31861	1.91529	2.010714	1.448093	1.000257	0.375095	18.32628	4.68E-05	0.000124
c1dc4f76-0003-48a0-980a-555288acd237	2.546492	1.314199	1.748711	6.943602	4.555966	5.104018	-1.61777	0.124741	39.87981	1.03E-08	4.19E-08
532e986c-3bb4-44b8-b87d-2df146a8b158	2.546492	1.314199	1.748711	6.943602	4.555966	5.104018	-1.61777	0.124741	39.87981	1.03E-08	4.19E-08
92b343f9-0bb1-485a-858c-ef045559bc8a	3.180757	1.979264	4.138615	0.608637	0.47922	0.115043	2.880297	-0.44117	48.41157	7.87E-10	3.55E-09
dac86528-0511-40d9-b2cd-2fab6e1fa4b7	0.364665	0.424299	0.480807	0	0	0	7.750538	-0.64776	87.39292	8.6E-15	6.03E-14
36b33216-8cdf-42e5-be2f-951901050a87	0.863699	0.864465	0.790818	2.006175	1.716951	1.780601	-1.21506	-0.16669	20.06245	2.22E-05	6.11E-05
b912d868-6d2e-4bf3-9677-50f8c4fb4966	3.957624	4.143555	4.882422	1.893225	1.291907	1.908547	1.245597	0.4856	29.66514	4.5E-07	1.53E-06
d5d06815-f15c-4bbf-8817-49bc753cfb41	11.5898	4.350031	6.791574	54.7773	60.82409	72.21157	-3.11785	0.490263	149.4713	9.31E-21	1.06E-19
4e66e3c5-6259-42d2-9611-2f3c8936c51a	5.517399	3.345235	3.730583	13.8872	9.719393	13.99959	-1.65228	0.299829	47.78352	6.89E-10	3.13E-09
5bfddd0e-db40-4f5f-b687-476f55f61aa6	2.499552	0.938163	2.441211	6.815609	7.155175	4.962221	-1.75286	-0.0891	38.6414	1.66E-08	6.58E-08
4ec59486-e5c2-4c2e-a323-c3622d5ec2df	2.157707	1.256676	2.043761	6.356872	6.389601	4.703978	-1.75342	0.667453	68.36672	1.21E-12	7.03E-12
14e9c8d9-3909-4003-8c8c-9070a4572146	2.499552	0.938163	2.441211	6.815609	7.155175	4.962221	-1.75286	-0.0891	38.6414	1.66E-08	6.58E-08

170602af-1188-44aa-8226-2d28c51bc892	2.157707	1.256676	2.043761	6.356872	6.389601	4.703978	-1.75342	0.667453	68.36672	1.21E-12	7.03E-12
79a23529-1993-4f53-96ce-855461875a13	2.499552	0.938163	2.441211	6.815609	7.155175	4.962221	-1.75286	-0.0891	38.6414	1.66E-08	6.58E-08
9e3b4791-17cd-4fcc-b6eb-c06fc2ce984b	2.499552	0.938163	2.441211	6.815609	7.155175	4.962221	-1.75286	-0.0891	38.6414	1.66E-08	6.58E-08

Table S3: GO enrichment list of different expression genes

Term	Ontology	ID	Input_number	Background_number	Rich_factor	P_Value	FDR	Input	Hyperlink
single-organism process	biological_process	GO:0044699	218	6188	0.405051	0.00012	0.040097	LOC114256156 LOC114256190 LOC114257885 LOC114258034 LOC114258043 LOC114258149 LOC114258151 LOC114258208 LOC114258475 LOC114258544 LOC114258722 LOC114258817 LOC114259437 LOC114260454 LOC114260629 LOC114260716 LOC114261073 LOC114261918 LOC114262677 LOC114263059 LOC114263151 LOC114263190 LOC114263392 LOC114263723 LOC114264141 LOC114264481 LOC114264677 LOC114264704 LOC114265556 LOC114265889 LOC114265902 LOC114265969 LOC114266037 LOC114266251 LOC114266263 LOC114266339 LOC114266363 LOC114268759 LOC114268986 LOC114269649 LOC114269705 LOC114269944 LOC114270138 LOC114270152 LOC114270285 LOC114270420 LOC114270637 LOC114270740 LOC114270950 LOC114272337 LOC114272475 LOC114272877 LOC114272975 LOC114273133 LOC114273300 LOC114273305 LOC114274059 LOC114274649 LOC114274659 LOC114274664 LOC114275113 LOC114275199 LOC114275228 LOC114275283 LOC114275505 LOC114276543 LOC114276617 LOC114276659 LOC114276762 LOC114277058 LOC114277383 LOC114277489 LOC114277579 LOC114277629 LOC114277736 LOC114277939 LOC114278046 LOC114278058 LOC114278445 LOC114278736 LOC114278859 LOC114279035 LOC114279462 LOC114279636 LOC114279846 LOC114280147 LOC114281295 LOC114281497 LOC114281562 LOC114282515 LOC114282634 LOC114282856 LOC114284490 LOC114285182 LOC114285600 LOC114285742 LOC114285764 LOC114285947 LOC114286217 LOC114286557 LOC114287631 LOC114287829 LOC11428841	http://amigo.geneontology.org/amigo/term/GO:0044699

small molecule metabolic process	biological	GO:0044281	66	1463	0.518684	0.00021	0.040933	75283 LOC114276543 LOC114276617 LOC114276762 LOC114277058 LOC114277939 LOC 114278046 LOC114279462 LOC114279846 LOC114280147 LOC114281295 LOC114282515 LOC114282634 LOC114282856 LOC114284490 LOC114285742 LOC114285764 LOC114285 947 LOC114286217 LOC114287631 LOC114287829 LOC114288413 LOC114288720 LOC11 4289014 LOC114289079 LOC114289395 LOC114289925 LOC114290633 LOC114291008 LO C114291259 LOC114292999 LOC114294075 LOC114294164 LOC114294805 LOC11429553 8 LOC114296365 LOC114296715 LOC114297323 LOC114297841 LOC114297999 LOC1142 98958 LOC114299440 LOC114299547 LOC114299955 LOC114300826 LOC114301496 LOC 114302295 LOC114302846 LOC114303354 LOC114306527 LOC114306912 LOC114306996 LOC114307027 LOC114308783 LOC114309241 LOC114309396 LOC114309520 LOC114310 205 LOC114310242 LOC114310685 LOC114310850 LOC114311067 LOC114311679 LOC11 4312938 LOC114313713 LOC114313963 LOC114314102 LOC114314310 LOC114315991 LO C114316175 LOC114316277 LOC114316533 LOC114317014 LOC114317317 LOC11431749 4 LOC114317503 LOC114318308 LOC114320798 LOC114321004 LOC114321080 LOC1143 21594 LOC114323396 LOC114323648 LOC114323756 LOC114323885 LOC114256190 LOC114258043 LOC114258544 LOC114258817 LOC114261073 LOC114261 918 LOC114262677 LOC114263059 LOC114265902 LOC114269944 LOC114270152 LOC11 4270285 LOC114270740 LOC114272337 LOC114273133 LOC114273305 LOC114275199 LO C114276543 LOC114276762 LOC114277939 LOC114279846 LOC114282634 LOC11428574 2 LOC114285764 LOC114288413 LOC114289079 LOC114291259 LOC114294075 LOC1142 94164 LOC114294805 LOC114295538 LOC114296365 LOC114296715 LOC114297323 LOC 114297841 LOC114298958 LOC114299547 LOC114299955 LOC114302846 LOC114306527 LOC114306912 LOC114308783 LOC114309396 LOC114309520 LOC114310242 LOC114310 685 LOC114310850 LOC114311067 LOC114313713 LOC114313963 LOC114314310 LOC11 4315991 LOC114316175 LOC114316277 LOC114317317 LOC114317494 LOC114317503 LO
	_process							http://amigo.g enontology.o rg/amigo/ter m/GO:00442 81

								C114318308 LOC114320798 LOC114321004 LOC114321080 LOC114321594 LOC114323396 LOC114323648 LOC114323756 LOC114323885	
								LOC114256190 LOC114258043 LOC114258400 LOC114258544 LOC114261073 LOC114262677 LOC114262969 LOC114263059 LOC114263429 LOC114265902 LOC114269944 LOC114270740 LOC114276687 LOC114276762 LOC114277939 LOC114279846 LOC114282634 LOC114284055 LOC114285742 LOC114285746 LOC114285764 LOC114286827 LOC114289079 LOC114290548 LOC114291111 LOC114291259 LOC114291656 LOC114293435 LOC114294164 LOC114295538 LOC114296365 LOC114297157 LOC114297323 LOC114297841 LOC114298543 LOC114298693 LOC114302846 LOC114306912 LOC114306956 LOC114307001 LOC114308783 LOC114309520 LOC114310850 LOC114311067 LOC114311679 LOC114311741 LOC114311810 LOC114313277 LOC114313713 LOC114313963 LOC114314310 LOC114315174 LOC114315991 LOC114316175 LOC114316277 LOC114316533 LOC114317494 LOC114317503 LOC114318161 LOC114318164 LOC114318308 LOC114320798 LOC114321004 LOC114321080 LOC114321594 LOC114323756	
organonitrogen compound metabolic process	biological _process	GO:1901564	66	1757	0.431892	0.01761	0.352049	LOC114256190 LOC114258400 LOC114261073 LOC114262677 LOC114262969 LOC114263429 LOC114265902 LOC114269944 LOC114270740 LOC114276687 LOC114276762 LOC114277939 LOC114279846 LOC114282634 LOC114284055 LOC114285742 LOC114285746 LOC114285764 LOC114286827 LOC114289079 LOC114290548 LOC114291111 LOC114291259 LOC114291656 LOC114293435 LOC114294164 LOC114295538 LOC114296365 LOC114297157 LOC114297323 LOC114297841 LOC114298543 LOC114298693 LOC114302846 LOC114306912 LOC114306956 LOC114307001 LOC114308783 LOC114309520 LOC114310850 LOC114311067 LOC114311679 LOC114311741 LOC114311810 LOC114313277 LOC114313713 LOC114313963 LOC114314310 LOC114315174 LOC114315991 LOC114316175 LOC114316277 LOC114316533 LOC114317494 LOC114317503 LOC114318161 LOC114318164 LOC114318308 LOC114320798 LOC114321004 LOC114321080 LOC114321594 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1901564
								LOC114256190 LOC114258400 LOC114261073 LOC114262677 LOC114262969 LOC114263429 LOC114265902 LOC114269944 LOC114270740 LOC114276687 LOC114276762 LOC114279846 LOC114282634 LOC114284055 LOC114285742 LOC114285746 LOC114285764 LOC114286827 LOC114289079 LOC114290548 LOC114291111 LOC114291259 LOC114291656 LOC114293435 LOC114294164 LOC114295538 LOC114296365 LOC114297157 LOC114297841 LOC114298543 LOC114298693 LOC114302846 LOC114306912 LOC114306956 LOC114307001 LOC114309520 LOC114310850 LOC114311067 LOC114311679 LOC114311741 LOC114311810 LOC114313277 LOC114313713 LOC114313963 LOC114314310 LOC114315174 LOC114315991 LOC114316175 LOC114316277 LOC114316533 LOC114317494 LOC114317503 LOC114318161 LOC114318164 LOC114318308 LOC114320798 LOC114321004 LOC114321080 LOC114321594 LOC114323756	
organonitrogen compound biosynthetic process	biological _process	GO:1901566	56	1353	0.475876	0.00452	0.21372	LOC114256190 LOC114258400 LOC114261073 LOC114262677 LOC114262969 LOC114263429 LOC114265902 LOC114269944 LOC114270740 LOC114276687 LOC114276762 LOC114279846 LOC114282634 LOC114284055 LOC114285742 LOC114285746 LOC114285764 LOC114286827 LOC114289079 LOC114290548 LOC114291111 LOC114291259 LOC114291656 LOC114293435 LOC114294164 LOC114295538 LOC114296365 LOC114297157 LOC114297841 LOC114298543 LOC114298693 LOC114302846 LOC114306912 LOC114306956 LOC114307001 LOC114309520 LOC114310850 LOC114311067 LOC114311679 LOC114311741 LOC114311810 LOC114313277 LOC114313713 LOC114313963 LOC114314310 LOC114315174 LOC114315991 LOC114316175 LOC114316277 LOC114316533 LOC114317494 LOC114317503 LOC114318161 LOC114318164 LOC114318308 LOC114320798 LOC114321004 LOC114321080 LOC114321594 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1901566
cellular component	biological _process	GO:0071840	53	1100	0.55397	0.00019	0.040933	LOC114260629 LOC114260756 LOC114263018 LOC114264677 LOC114264704 LOC114266363 LOC114267347 LOC114267438 LOC114267817 LOC114270680 LOC114270950 LOC114271000 LOC114271001 LOC114271002 LOC114271003 LOC114271004 LOC114271005 LOC114271006 LOC114271007 LOC114271008 LOC114271009 LOC114271010 LOC114271011 LOC114271012 LOC114271013 LOC114271014 LOC114271015 LOC114271016 LOC114271017 LOC114271018 LOC114271019 LOC114271020 LOC114271021 LOC114271022 LOC114271023 LOC114271024 LOC114271025 LOC114271026 LOC114271027 LOC114271028 LOC114271029 LOC114271030 LOC114271031 LOC114271032 LOC114271033 LOC114271034 LOC114271035 LOC114271036 LOC114271037 LOC114271038 LOC114271039 LOC114271040 LOC114271041 LOC114271042 LOC114271043 LOC114271044 LOC114271045 LOC114271046 LOC114271047 LOC114271048 LOC114271049 LOC114271050 LOC114271051 LOC114271052 LOC114271053 LOC114271054 LOC114271055 LOC114271056 LOC114271057 LOC114271058 LOC114271059 LOC114271060 LOC114271061 LOC114271062 LOC114271063 LOC114271064 LOC114271065 LOC114271066 LOC114271067 LOC114271068 LOC114271069 LOC114271070 LOC114271071 LOC114271072 LOC114271073 LOC114271074 LOC114271075 LOC114271076 LOC114271077 LOC114271078 LOC114271079 LOC114271080 LOC114271081 LOC114271082 LOC114271083 LOC114271084 LOC114271085 LOC114271086 LOC114271087 LOC114271088 LOC114271089 LOC114271090 LOC114271091 LOC114271092 LOC114271093 LOC114271094 LOC114271095 LOC114271096 LOC114271097 LOC114271098 LOC114271099 LOC114271100 LOC114271101 LOC114271102 LOC114271103 LOC114271104 LOC114271105 LOC114271106 LOC114271107 LOC114271108 LOC114271109 LOC114271110 LOC114271111 LOC114271112 LOC114271113 LOC114271114 LOC114271115 LOC114271116 LOC114271117 LOC114271118 LOC114271119 LOC114271120 LOC114271121 LOC114271122 LOC114271123 LOC114271124 LOC114271125 LOC114271126 LOC114271127 LOC114271128 LOC114271129 LOC114271130 LOC114271131 LOC114271132 LOC114271133 LOC114271134 LOC114271135 LOC114271136 LOC114271137 LOC114271138 LOC114271139 LOC114271140 LOC114271141 LOC114271142 LOC114271143 LOC114271144 LOC114271145 LOC114271146 LOC114271147 LOC114271148 LOC114271149 LOC114271150 LOC114271151 LOC114271152 LOC114271153 LOC114271154 LOC114271155 LOC114271156 LOC114271157 LOC114271158 LOC114271159 LOC114271160 LOC114271161 LOC114271162 LOC114271163 LOC114271164 LOC114271165 LOC114271166 LOC114271167 LOC114271168 LOC114271169 LOC114271170 LOC114271171 LOC114271172 LOC114271173 LOC114271174 LOC114271175 LOC114271176 LOC114271177 LOC114271178 LOC114271179 LOC114271180 LOC114271181 LOC114271182 LOC114271183 LOC114271184 LOC114271185 LOC114271186 LOC114271187 LOC114271188 LOC114271189 LOC114271190 LOC114271191 LOC114271192 LOC114271193 LOC114271194 LOC114271195 LOC114271196 LOC114271197 LOC114271198 LOC114271199 LOC114271200 LOC114271201 LOC114271202 LOC114271203 LOC114271204 LOC114271205 LOC114271206 LOC114271207 LOC114271208 LOC114271209 LOC114271210 LOC114271211 LOC114271212 LOC114271213 LOC114271214 LOC114271215 LOC114271216 LOC114271217 LOC114271218 LOC114271219 LOC114271220 LOC114271221 LOC114271222 LOC114271223 LOC114271224 LOC114271225 LOC114271226 LOC114271227 LOC114271228 LOC114271229 LOC114271230 LOC114271231 LOC114271232 LOC114271233 LOC114271234 LOC114271235 LOC114271236 LOC114271237 LOC114271238 LOC114271239 LOC114271240 LOC114271241 LOC114271242 LOC114271243 LOC114271244 LOC114271245 LOC114271246 LOC114271247 LOC114271248 LOC114271249 LOC114271250 LOC114271251 LOC114271252 LOC114271253 LOC114271254 LOC114271255 LOC114271256 LOC114271257 LOC114271258 LOC114271259 LOC114271260 LOC114271261 LOC114271262 LOC114271263 LOC114271264 LOC114271265 LOC114271266 LOC114271267 LOC114271268 LOC114271269 LOC114271270 LOC114271271 LOC114271272 LOC114271273 LOC114271274 LOC114271275 LOC114271276 LOC114271277 LOC114271278 LOC114271279 LOC114271280 LOC114271281 LOC114271282 LOC114271283 LOC114271284 LOC114271285 LOC114271286 LOC114271287 LOC114271288 LOC114271289 LOC114271290 LOC114271291 LOC114271292 LOC114271293 LOC114271294 LOC114271295 LOC114271296 LOC114271297 LOC114271298 LOC114271299 LOC114271300 LOC114271301 LOC114271302 LOC114271303 LOC114271304 LOC114271305 LOC114271306 LOC114271307 LOC114271308 LOC114271309 LOC114271310 LOC114271311 LOC114271312 LOC114271313 LOC114271314 LOC114271315 LOC114271316 LOC114271317 LOC114271318 LOC114271319 LOC114271320 LOC114271321 LOC114271322 LOC114271323 LOC114271324 LOC114271325 LOC114271326 LOC114271327 LOC114271328 LOC114271329 LOC114271330 LOC114271331 LOC114271332 LOC114271333 LOC114271334 LOC114271335 LOC114271336 LOC114271337 LOC114271338 LOC114271339 LOC114271340 LOC114271341 LOC114271342 LOC114271343 LOC114271344 LOC114271345 LOC114271346 LOC114271347 LOC114271348 LOC114271349 LOC114271350 LOC114271351 LOC114271352 LOC114271353 LOC114271354 LOC114271355 LOC114271356 LOC114271357 LOC114271358 LOC114271359 LOC114271360 LOC114271361 LOC114271362 LOC114271363 LOC114271364 LOC114271365 LOC114271366 LOC114271367 LOC114271368 LOC114271369 LOC114271370 LOC114271371 LOC114271372 LOC114271373 LOC114271374 LOC114271375 LOC114271376 LOC114271377 LOC114271378 LOC114271379 LOC114271380 LOC114271381 LOC114271382 LOC114271383 LOC114271384 LOC114271385 LOC114271386 LOC114271387 LOC114271388 LOC114271389 LOC114271390 LOC114271391 LOC114271392 LOC114271393 LOC114271394 LOC114271395 LOC114271396 LOC114271397 LOC114271398 LOC114271399 LOC114271400 LOC114271401 LOC114271402 LOC114271403 LOC114271404 LOC114271405 LOC114271406 LOC114271407 LOC114271408 LOC114271409 LOC114271410 LOC114271411 LOC114271412 LOC114271413 LOC114271414 LOC114271415 LOC114271416 LOC114271417 LOC114271418 LOC114271419 LOC114271420 LOC114271421 LOC114271422 LOC114271423 LOC114271424 LOC114271425 LOC114271426 LOC114271427 LOC114271428 LOC114271429 LOC114271430 LOC114271431 LOC114271432 LOC114271433 LOC114271434 LOC114271435 LOC114271436 LOC114271437 LOC114271438 LOC114271439 LOC114271440 LOC114271441 LOC114271442 LOC114271443 LOC114271444 LOC114271445 LOC114271446 LOC114271447 LOC114271448 LOC114271449 LOC114271450 LOC114271451 LOC114271452 LOC114271453 LOC114271454 LOC114271455 LOC114271456 LOC114271457 LOC114271458 LOC114271459 LOC114271460 LOC114271461 LOC114271462 LOC114271463 LOC114271464 LOC114271465 LOC114271466 LOC114271467 LOC114271468 LOC114271469 LOC114271470 LOC114271471 LOC114271472 LOC114271473 LOC114271474 LOC114271475 LOC114271476 LOC114271477 LOC114271478 LOC114271479 LOC114271480 LOC114271481 LOC114271482 LOC114271483 LOC114271484 LOC114271485 LOC114271486 LOC114271487 LOC114271488 LOC114271489 LOC114271490 LOC114271491 LOC114271492 LOC114271493 LOC114271494 LOC114271495 LOC114271496 LOC114271497 LOC114271498 LOC114271499 LOC114271500 LOC114271501 LOC114271502 LOC114271503 LOC114271504 LOC114271505 LOC114271506 LOC114271507 LOC114271508 LOC114271509 LOC114271510 LOC114271511 LOC114271512 LOC114271513 LOC114271514 LOC114271515 LOC114271516 LOC114271517 LOC114271518 LOC114271519 LOC114271520 LOC114271521 LOC114271522 LOC114271523 LOC114271524 LOC114271525 LOC114271526 LOC114271527 LOC114271528 LOC114271529 LOC114271530 LOC114271531 LOC114271532 LOC114271533 LOC114271534 LOC114271535 LOC114271536 LOC114271537 LOC114271538 LOC114271539 LOC114271540 LOC114271541 LOC114271542 LOC114271543 LOC114271544 LOC114271545 LOC114271546 LOC114271547 LOC114271548 LOC114271549 LOC114271550 LOC114271551 LOC114271552 LOC114271553 LOC114271554 LOC114271555 LOC114271556 LOC114271557 LOC114271558 LOC114271559 LOC114271560 LOC114271561 LOC114271562 LOC114271563 LOC114271564 LOC114271565 LOC114271566 LOC114271567 LOC114271568 LOC114271569 LOC114271570 LOC114271571 LOC114271572 LOC114271573 LOC114271574 LOC114271575 LOC114271576 LOC114271577 LOC114271578 LOC114271579 LOC114271580 LOC114271581 LOC114271582 LOC114271583 LOC114271584 LOC114271585 LOC114271586 LOC114271587 LOC114271588 LOC114271589 LOC114271590 LOC114271591 LOC114271592 LOC114271593 LOC114271594 LOC114271595 LOC114271596 LOC114271597 LOC114271598 LOC114271599 LOC114271600 LOC114271601 LOC114271602 LOC114271603 LOC114271604 LOC114271605 LOC114271606 LOC114271607 LOC114271608 LOC114271609 LOC114271610 LOC114271611 LOC114271612 LOC114271613 LOC114271614 LOC114271615 LOC114271616 LOC114271617 LOC114271618 LOC114271619 LOC114271620 LOC114271621 LOC114271622 LOC114271623 LOC114271624 LOC114271625 LOC114271626 LOC114271627 LOC114271628 LOC114271629 LOC114271630 LOC114271631 LOC114271632 LOC114271633 LOC114271634 LOC114271635 LOC114271636 LOC114271637 LOC114271638 LOC114271639 LOC114271640 LOC114271641 LOC114271642 LOC114271643 LOC114271644 LOC114271645 LOC114271646 LOC114271647 LOC114271648 LOC114271649 LOC114271650 LOC114271651 LOC114271652 LOC114271653 LOC114271654 LOC114271655 LOC114271656 LOC114271657 LOC114271658 LOC114271659 LOC114271660 LOC114271661 LOC114271662 LOC114271663 LOC114271664 LOC114271665 LOC114271666 LOC114271667 LOC114271668 LOC114271669 LOC114271670 LOC114271671 LOC114271672 LOC114271673 LOC114271674 LOC114271675 LOC114271676 LOC114271677 LOC114271678 LOC114271679 LOC114271680 LOC114271681 LOC114271682 LOC114271683 LOC114271684 LOC114271685 LOC114271686 LOC114271687 LOC114271688 LOC114271689 LOC114271690 LOC114271691 LOC114271692 LOC114271693 LOC114271694 LOC114271695 LOC114271696 LOC114271697 LOC114271698 LOC114271699 LOC114271700 LOC114271701 LOC114271702 LOC114271703 LOC114271704 LOC114271705 LOC114271706 LOC114271707 LOC114271708 LOC114271709 LOC114271710 LOC114271711 LOC114271712 LOC114271713 LOC114271714 LOC114271715 LOC114271716 LOC114271717 LOC114271718 LOC114271719 LOC114271720 LOC114271721 LOC114271722 LOC114271723 LOC114271724 LOC114271725 LOC114271726 LOC114271727 LOC114271728 LOC114271729 LOC114271730 LOC114271731 LOC114271732 LOC114271733 LOC114271734 LOC114271735 LOC114271736 LOC114271737 LOC114271738 LOC114271739 LOC114271740 LOC114271741 LOC114271742 LOC114271743 LOC114271744 LOC114271745 LOC114271746 LOC114271747 LOC114271748 LOC114271749 LOC114271750 LOC114271751 LOC114271752 LOC114271753 LOC114271754 LOC114271755 LOC114271756 LOC114271757 LOC114271758 LOC114271759 LOC114271760 LOC114271761 LOC114271762 LOC114271763 LOC114271764 LOC114271765 LOC114271766 LOC114271767 LOC114271768 LOC114271769 LOC114271770 LOC114271771 LOC114271772 LOC114271773 LOC114271774 LOC114271775 LOC114271776 LOC114271777 LOC114271778 LOC114271779 LOC114271780 LOC114271781 LOC114271782 LOC114271783 LOC114271784 LOC114271785 LOC114271786 LOC114271787 LOC114271788 LOC114271789 LOC114271790 LOC114271791 LOC114271792 LOC114271793 LOC114271794 LOC114271795 LOC114271796 LOC114271797 LOC114271798 LOC114271799 LOC114271800 LOC114271801 LOC114271802 LOC114271803 LOC114271804 LOC114271805 LOC114271806 LOC114271807 LOC114271808	

organization or biogenesis								4273300 LOC114273602 LOC114274441 LOC114274537 LOC114275505 LOC114277383 LOC114277629 LOC114278552 LOC114279418 LOC114280503 LOC114284490 LOC114285072 LOC114285852 LOC114286217 LOC114286557 LOC114292214 LOC114294661 LOC114294776 LOC114295471 LOC114295560 LOC114296189 LOC114299009 LOC114300977 LOC114301033 LOC114301641 LOC114305356 LOC114305423 LOC114306769 LOC114308420 LOC114309641 LOC114309735 LOC114311226 LOC114311681 LOC114312304 LOC114315282 LOC114316831 LOC114317014 LOC114317430 LOC114317545 LOC114317632 LOC114320128 LOC114322299	rg/amigo/term/GO:0071840
cellular component organization	biological _process	GO:0016043	45	981	0.527408	0.00164	0.123741	LOC114260629 LOC114263018 LOC114264677 LOC114264704 LOC114266363 LOC114267347 LOC114267438 LOC114267817 LOC114270950 LOC114273300 LOC114274441 LOC114274537 LOC114275505 LOC114277383 LOC114277629 LOC114278552 LOC114279418 LOC114280503 LOC114284490 LOC114285072 LOC114285852 LOC114286217 LOC114286557 LOC114292214 LOC114294661 LOC114294776 LOC114295471 LOC114295560 LOC114299009 LOC114300977 LOC114301033 LOC114305356 LOC114305423 LOC114306769 LOC114309641 LOC114309735 LOC114311681 LOC114315282 LOC114316831 LOC114317014 LOC114317430 LOC114317545 LOC114317632 LOC114320128 LOC114322299	http://amigo.geneontology.org/amigo/term/GO:0016043
phosphate- containing compound metabolic process	biological _process	GO:0006796	34	798	0.489868	0.01696	0.341978	LOC114258149 LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114262969 LOC114268471 LOC114269944 LOC114270637 LOC114270740 LOC114273053 LOC114274659 LOC114275394 LOC114279846 LOC114287256 LOC114287829 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297157 LOC114297323 LOC114299440 LOC114299547 LOC114299955 LOC114300826 LOC114305378 LOC114307027 LOC114308176 LOC114311450 LOC114313963 LOC114315853 LOC114316175 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0006796
phosphorus metabolic process	biological _process	GO:0006793	34	810	0.482611	0.02065	0.394823	LOC114258149 LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114262969 LOC114268471 LOC114269944 LOC114270637 LOC114270740 LOC114273053 LOC114274659 LOC114275394 LOC114279846 LOC114287256 LOC114287829 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297157 LOC114297323 LOC114299440	http://amigo.geneontology.org/amigo/term/GO:0006793

carboxylic acid metabolic process	biological _process	GO:0019752	34	838	0.466485	0.03175	0.467064	0 LOC114299547 LOC114299955 LOC114300826 LOC114305378 LOC114307027 LOC114308176 LOC114311450 LOC114313963 LOC114315853 LOC114316175 LOC114320798	m/GO:0006793
								LOC114256190 LOC114258817 LOC114263059 LOC114265902 LOC114270152 LOC114272337 LOC114276762 LOC114277939 LOC114282634 LOC114285742 LOC114285764 LOC114289079 LOC114291259 LOC114294075 LOC114296365 LOC114297323 LOC114297841 LOC114298958 LOC114302846 LOC114306527 LOC114306912 LOC114308783 LOC114310850 LOC114311067 LOC114313713 LOC114315991 LOC114316277 LOC114317494 LOC114317503 LOC114321004 LOC114321080 LOC114321594 LOC114323756 LOC114323885	http://amigo.eneontology.org/amigo/terms/GO:0019752
organophosphate metabolic process	biological _process	GO:0019637	29	465	0.717048	0.0001	0.038983	LOC114258149 LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114262969 LOC114268471 LOC114269944 LOC114270637 LOC114270740 LOC114274659 LOC114275394 LOC114279846 LOC114287829 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297157 LOC114297323 LOC114299440 LOC114299547 LOC114299955 LOC114300826 LOC114305378 LOC114307027 LOC114313963 LOC114316175 LOC114320798	http://amigo.eneontology.org/amigo/terms/GO:0019637
								LOC114260629 LOC114263018 LOC114264677 LOC114264704 LOC114266363 LOC114267438 LOC114273300 LOC114274441 LOC114274537 LOC114275505 LOC114277629 LOC114278552 LOC114280503 LOC114285072 LOC114295471 LOC114295560 LOC114301033 LOC114305423 LOC114306769 LOC114309735 LOC114311681 LOC114315282 LOC114316831 LOC114317014 LOC114317430 LOC114317632 LOC114320128	http://amigo.eneontology.org/amigo/terms/GO:0043933
carbohydrate derivative metabolic process	biological _process	GO:1901135	27	650	0.477588	0.04083	0.548858	LOC114258544 LOC114261918 LOC114262677 LOC114266251 LOC114268471 LOC114269944 LOC114270637 LOC114270740 LOC114274659 LOC114275394 LOC114279846 LOC114282856 LOC114285290 LOC114285947 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297323 LOC114297999 LOC114299440 LOC114299826 LOC114299955 LOC114301496 LOC114305378 LOC114313963 LOC114320798	http://amigo.eneontology.org/amigo/terms/GO:1901135

cellular component biogenesis	biological _process	GO:0044085	26	503	0.594304	0.00347	0.188752	LOC114260629 LOC114260756 LOC114263018 LOC114266363 LOC114267438 LOC114270680 LOC114273300 LOC114273602 LOC114274441 LOC114274537 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114295560 LOC114296189 LOC114301033 LOC114301641 LOC114306769 LOC114308420 LOC114309735 LOC114311226 LOC114312304 LOC114315282 LOC114317430 LOC114322299	http://amigo.eneontology.org/amigo/terms/GO:0044085
cellular amino acid metabolic process	biological _process	GO:0006520	26	523	0.571577	0.00575	0.24906	LOC114256190 LOC114263059 LOC114265902 LOC114276762 LOC114277939 LOC114282634 LOC114285742 LOC114285764 LOC114289079 LOC114291259 LOC114296365 LOC114297841 LOC114302846 LOC114306912 LOC114308783 LOC114310850 LOC114311067 LOC114313713 LOC114315991 LOC114316277 LOC114317494 LOC114317503 LOC114321004 LOC114321080 LOC114321594 LOC114323756	http://amigo.eneontology.org/amigo/terms/GO:0006520
RNA processing	biological _process	GO:0006396	25	441	0.651785	0.0012	0.097458	LOC114256493 LOC114259356 LOC114260756 LOC114262452 LOC114264726 LOC114270680 LOC114274537 LOC114274726 LOC114285167 LOC114288404 LOC114296189 LOC114299064 LOC114304829 LOC114307624 LOC114307852 LOC114308810 LOC114309962 LOC114310023 LOC114311226 LOC114312304 LOC114313677 LOC114314245 LOC114316352 LOC114317813 LOC114322392	http://amigo.eneontology.org/amigo/terms/GO:0006396
small molecule biosynthetic process	biological _process	GO:0044283	25	524	0.548545	0.01094	0.308297	LOC114258817 LOC114265902 LOC114270152 LOC114282634 LOC114285764 LOC114291259 LOC114294164 LOC114296365 LOC114297841 LOC114302846 LOC114306527 LOC114309520 LOC114310242 LOC114310850 LOC114311067 LOC114313713 LOC114314310 LOC114315991 LOC114317503 LOC114318308 LOC114321004 LOC114321594 LOC114323396 LOC114323756 LOC114323885	http://amigo.eneontology.org/amigo/terms/GO:0044283
carbohydrate derivative biosynthetic process	biological _process	GO:1901137	21	424	0.569451	0.01284	0.319296	LOC114262677 LOC114266251 LOC114269944 LOC114270637 LOC114270740 LOC114274659 LOC114279846 LOC114282856 LOC114285290 LOC114285947 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297999 LOC114299440 LOC114299826 LOC114299955 LOC114301496 LOC114313963 LOC114320798	http://amigo.eneontology.org/amigo/terms/GO:1901137

cellular lipid metabolic process	biological _process	GO:0044255	20	435	0.52862	0.03018	0.452507	LOC114258149 LOC114258817 LOC114263723 LOC114266251 LOC114269705 LOC114270152 LOC114270285 LOC114270637 LOC114274659 LOC114276617 LOC114287829 LOC114288720 LOC114299440 LOC114300826 LOC114306527 LOC114307027 LOC114309241 LOC114311679 LOC114316533 LOC114323885	http://amigo.geneontology.org/amigo/term/GO:0044255
organophosphate biosynthetic process	biological _process	GO:0090407	19	258	0.846715	0.00021	0.040933	LOC114258149 LOC114261073 LOC114262677 LOC114262969 LOC114269944 LOC114270637 LOC114270740 LOC114274659 LOC114279846 LOC114288413 LOC114288720 LOC114294805 LOC114295538 LOC114297157 LOC114299440 LOC114299955 LOC114300826 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0090407
protein complex subunit organization	biological _process	GO:0071822	19	284	0.769198	0.00068	0.083712	LOC114260629 LOC114263018 LOC114264677 LOC114264704 LOC114266363 LOC114273300 LOC114274441 LOC114275505 LOC114277629 LOC114278552 LOC114280503 LOC114285072 LOC114295471 LOC114295560 LOC114306769 LOC114309735 LOC114315282 LOC114317430 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0071822
single-organism organelle organization	biological _process	GO:1902589	19	290	0.753284	0.00088	0.089492	LOC114260629 LOC114264677 LOC114264704 LOC114266363 LOC114273300 LOC114275505 LOC114277629 LOC114284490 LOC114286217 LOC114286557 LOC114294661 LOC114295471 LOC114295560 LOC114299009 LOC114306769 LOC114315282 LOC114317014 LOC114317545 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:1902589
cellular component assembly	biological _process	GO:0022607	18	384	0.538945	0.03269	0.471987	LOC114260629 LOC114263018 LOC114266363 LOC114267438 LOC114273300 LOC114274441 LOC114274537 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114295560 LOC114301033 LOC114306769 LOC114309735 LOC114315282 LOC114317430 LOC114322299	http://amigo.geneontology.org/amigo/term/GO:0022607

macromolecular complex assembly	biological _process	GO:0065003	17	289	0.676323	0.00488	0.215806	LOC114260629 LOC114263018 LOC114266363 LOC114267438 LOC114273300 LOC114274441 LOC114274537 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114295560 LOC114301033 LOC114306769 LOC114309735 LOC114315282 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0065003
ncRNA metabolic process	biological _process	GO:0034660	17	317	0.616585	0.01176	0.319296	LOC114256190 LOC114260756 LOC114262452 LOC114270680 LOC114276762 LOC114285167 LOC114285742 LOC114289079 LOC114296189 LOC114306912 LOC114308810 LOC114310023 LOC114311226 LOC114312304 LOC114313677 LOC114316277 LOC114316352	http://amigo.geneontology.org/amigo/term/GO:0034660
alpha-amino acid metabolic process	biological _process	GO:1901605	16	286	0.643216	0.00983	0.303781	LOC114263059 LOC114265902 LOC114282634 LOC114285764 LOC114291259 LOC114297841 LOC114302846 LOC114310850 LOC114311067 LOC114313713 LOC114315991 LOC114317494 LOC114317503 LOC114321004 LOC114321594 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1901605
chromosome organization	biological _process	GO:0051276	15	234	0.737019	0.00364	0.193499	LOC114267817 LOC114274441 LOC114285072 LOC114285852 LOC114292214 LOC114294776 LOC114299009 LOC114300977 LOC114301033 LOC114305423 LOC114309735 LOC114311681 LOC114316831 LOC114317014 LOC114320128	http://amigo.geneontology.org/amigo/term/GO:0051276
cellular amino acid biosynthetic process	biological _process	GO:0008652	15	260	0.663317	0.00939	0.303781	LOC114265902 LOC114282634 LOC114285764 LOC114291259 LOC114296365 LOC114297841 LOC114302846 LOC114310850 LOC114311067 LOC114313713 LOC114315991 LOC114317503 LOC114321004 LOC114321594 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:0008652

nucleotide metabolic process	biological _process	GO:0009117	15	264	0.653267	0.0107	0.305211	LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114288413 LOC114294805 LOC114295538 LOC114297323 LOC114299955 LOC114313963 LOC114316175 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0009117
nucleoside phosphate metabolic process	biological _process	GO:0006753	15	275	0.627136	0.01507	0.326377	LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114288413 LOC114294805 LOC114295538 LOC114297323 LOC114299955 LOC114313963 LOC114316175 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0006753
nucleobase- containing small molecule metabolic process	biological _process	GO:0055086	15	315	0.5475	0.04313	0.563581	LOC114258544 LOC114261073 LOC114261918 LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114288413 LOC114294805 LOC114295538 LOC114297323 LOC114299955 LOC114313963 LOC114316175 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0055086
protein complex assembly	biological _process	GO:0006461	14	198	0.812954	0.00201	0.142466	LOC114260629 LOC114263018 LOC114266363 LOC114273300 LOC114274441 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114295560 LOC114306769 LOC114309735 LOC114315282 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0006461
protein complex biogenesis	biological _process	GO:0070271	14	198	0.812954	0.00201	0.142466	LOC114260629 LOC114263018 LOC114266363 LOC114273300 LOC114274441 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114295560 LOC114306769 LOC114309735 LOC114315282 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0070271

alpha-amino acid biosynthetic process	biological _process	GO:1901607	14	233	0.690836	0.00848	0.303781	LOC114265902 LOC114282634 LOC114285764 LOC114291259 LOC114297841 LOC114302846 LOC114310850 LOC114311067 LOC114313713 LOC114315991 LOC114317503 LOC114321004 LOC114321594 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1901607
cellular macromolecular complex assembly	biological _process	GO:0034622	14	243	0.662407	0.01198	0.319296	LOC114260629 LOC114263018 LOC114267438 LOC114274441 LOC114274537 LOC114275505 LOC114278552 LOC114280503 LOC114285072 LOC114301033 LOC114306769 LOC114309735 LOC114315282 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0034622
cytoskeleton organization	biological _process	GO:0007010	13	155	0.964306	0.00061	0.079266	LOC114260629 LOC114264677 LOC114264704 LOC114266363 LOC114273300 LOC114275505 LOC114277629 LOC114294661 LOC114295471 LOC114295560 LOC114306769 LOC114315282 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0007010
movement of cell or subcellular component	biological _process	GO:0006928	12	169	0.81639	0.00397	0.197571	LOC114258208 LOC114258475 LOC114264481 LOC114269649 LOC114272475 LOC114272975 LOC114285182 LOC114290278 LOC114291143 LOC114303967 LOC114308217 LOC114323601	http://amigo.geneontology.org/amigo/term/GO:0006928
microtubule-based movement	biological _process	GO:0007018	12	169	0.81639	0.00397	0.197571	LOC114258208 LOC114258475 LOC114264481 LOC114269649 LOC114272475 LOC114272975 LOC114285182 LOC114290278 LOC114291143 LOC114303967 LOC114308217 LOC114323601	http://amigo.geneontology.org/amigo/term/GO:0007018

cofactor								LOC114261073 LOC114262969 LOC114284055 LOC114290548 LOC114295538 LOC114297	http://amigo.geneontology.org/amigo/term/GO:0051186
metabolic process	biological _process	GO:0051186	12	218	0.63289	0.02621	0.442436	157 LOC114297323 LOC114310242 LOC114313963 LOC114316175 LOC114320798 LOC114323396	
nucleotide biosynthetic process	biological _process	GO:0009165	11	144	0.878281	0.00328	0.182665	LOC114261073 LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114288413 LOC114294805 LOC114295538 LOC114299955 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0009165
nucleoside phosphate biosynthetic process	biological _process	GO:1901293	11	144	0.878281	0.00328	0.182665	LOC114261073 LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114288413 LOC114294805 LOC114295538 LOC114299955 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:1901293
ncRNA processing	biological _process	GO:0034470	11	158	0.800458	0.00659	0.280255	LOC114260756 LOC114262452 LOC114270680 LOC114285167 LOC114296189 LOC114308810 LOC114310023 LOC114311226 LOC114312304 LOC114313677 LOC114316352	http://amigo.geneontology.org/amigo/term/GO:0034470
coenzyme metabolic process	biological _process	GO:0006732	11	165	0.7665	0.00901	0.303781	LOC114261073 LOC114262969 LOC114290548 LOC114295538 LOC114297157 LOC114297323 LOC114310242 LOC114313963 LOC114316175 LOC114320798 LOC114323396	http://amigo.geneontology.org/amigo/term/GO:0006732

cofactor biosynthetic process	biological _process	GO:0051188	10	129	0.891279	0.00447	0.21372	LOC114261073 LOC114262969 LOC114284055 LOC114290548 LOC114295538 LOC114297157 LOC114310242 LOC114313963 LOC114320798 LOC114323396	http://amigo.geneontology.org/amigo/term/GO:0051188
coenzyme biosynthetic process	biological _process	GO:0009108	9	99	1.045227	0.00238	0.155728	LOC114261073 LOC114262969 LOC114290548 LOC114295538 LOC114297157 LOC114310242 LOC114313963 LOC114320798 LOC114323396	http://amigo.geneontology.org/amigo/term/GO:0009108
chromatin organization	biological _process	GO:0006325	8	107	0.859626	0.01289	0.319296	LOC114274441 LOC114285072 LOC114305423 LOC114309735 LOC114311681 LOC114316831 LOC114317014 LOC114320128	http://amigo.geneontology.org/amigo/term/GO:0006325
cellular protein complex assembly	biological _process	GO:0043623	8	107	0.859626	0.01289	0.319296	LOC114260629 LOC114263018 LOC114275505 LOC114278552 LOC114280503 LOC114306769 LOC114315282 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0043623
glycerolipid metabolic process	biological _process	GO:0046486	8	125	0.73584	0.0298	0.449692	LOC114258149 LOC114270637 LOC114274659 LOC114276617 LOC114287829 LOC114288720 LOC114299440 LOC114307027	http://amigo.geneontology.org/amigo/term/GO:0046486

phospholipid metabolic process	biological _process	GO:0006644	8	127	0.724252	0.03233	0.471987	LOC114258149 LOC114270637 LOC114274659 LOC114287829 LOC114288720 LOC114299440 LOC114300826 LOC114307027	http://amigo.geneontology.org/amigo/term/GO:0006644
DNA conformation change	biological _process	GO:0071103	8	132	0.696818	0.03928	0.533103	LOC114267817 LOC114274441 LOC114285072 LOC114285852 LOC114292214 LOC114294776 LOC114300977 LOC114309735	http://amigo.geneontology.org/amigo/term/GO:0071103
aromatic amino acid family metabolic process	biological _process	GO:0009072	7	52	1.547739	0.00073	0.085374	LOC114265902 LOC114277939 LOC114296365 LOC114313713 LOC114317494 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:0009072
microtubule cytoskeleton organization	biological _process	GO:0000226	7	53	1.518537	0.00082	0.089492	LOC114260629 LOC114266363 LOC114273300 LOC114294661 LOC114295471 LOC114295560 LOC114315282	http://amigo.geneontology.org/amigo/term/GO:0000226
oligosaccharide metabolic process	biological _process	GO:0009311	7	81	0.993611	0.00926	0.303781	LOC114280147 LOC114285947 LOC114289014 LOC114289395 LOC114291008 LOC114292999 LOC114303354	http://amigo.geneontology.org/amigo/term/GO:0009311

purine ribonucleotide biosynthetic process	biological _process	GO:0009152	7	83	0.969668	0.01052	0.303781	LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0009152
ribonucleotide biosynthetic process	biological _process	GO:0009260	7	83	0.969668	0.01052	0.303781	LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0009260
ribose phosphate biosynthetic process	biological _process	GO:0046390	7	83	0.969668	0.01052	0.303781	LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0046390
purine nucleotide biosynthetic process	biological _process	GO:0006164	7	87	0.925086	0.01342	0.319296	LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0006164
purine- containing compound biosynthetic process	biological _process	GO:0072522	7	95	0.847184	0.02087	0.394823	LOC114262677 LOC114269944 LOC114270740 LOC114279846 LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0072522

membrane lipid metabolic process	biological _process	GO:0006643	7	98	0.82125	0.02429	0.442436	LOC114266251 LOC114270637 LOC114274659 LOC114288720 LOC114299440 LOC114311679 LOC114316533	http://amigo.geneontology.org/amigo/term/GO:0006643
glycerophospholipid metabolic process	biological _process	GO:0006650	7	112	0.718593	0.04529	0.582474	LOC114258149 LOC114270637 LOC114274659 LOC114287829 LOC114288720 LOC114299440 LOC114307027	http://amigo.geneontology.org/amigo/term/GO:0006650
DNA-templated transcription, initiation	biological _process	GO:0006352	6	52	1.326634	0.00387	0.197571	LOC114257012 LOC114267438 LOC114273431 LOC114276229 LOC114289658 LOC114291770	http://amigo.geneontology.org/amigo/term/GO:0006352
cellular biogenic amine metabolic process	biological _process	GO:0006576	6	59	1.169237	0.00722	0.295601	LOC114298543 LOC114306956 LOC114307001 LOC114317494 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0006576
cellular amine metabolic process	biological _process	GO:0044106	6	59	1.169237	0.00722	0.295601	LOC114298543 LOC114306956 LOC114307001 LOC114317494 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0044106

disaccharide metabolic process	biological _process	GO:0005984	6	61	1.130901	0.00848	0.303781	LOC114280147 LOC114289014 LOC114289395 LOC114291008 LOC114292999 LOC114303354	http://amigo.geneontology.org/amigo/term/GO:0005984
sulfur amino acid biosynthetic process	biological _process	GO:0000097	6	66	1.045227	0.0123	0.319296	LOC114282634 LOC114285764 LOC114297841 LOC114310850 LOC114321004 LOC114321594	http://amigo.geneontology.org/amigo/term/GO:0000097
macromolecule methylation	biological _process	GO:0043414	6	66	1.045227	0.0123	0.319296	LOC114260756 LOC114262452 LOC114307025 LOC114313578 LOC114317894 LOC114323269	http://amigo.geneontology.org/amigo/term/GO:0043414
sulfur amino acid metabolic process	biological _process	GO:0000096	6	67	1.029626	0.01319	0.319296	LOC114282634 LOC114285764 LOC114297841 LOC114310850 LOC114321004 LOC114321594	http://amigo.geneontology.org/amigo/term/GO:0000096
methylation	biological _process	GO:0032259	6	67	1.029626	0.01319	0.319296	LOC114260756 LOC114262452 LOC114307025 LOC114313578 LOC114317894 LOC114323269	http://amigo.geneontology.org/amigo/term/GO:0032259

mitochondrion organization	biological _process	GO:0007005	6	78	0.884423	0.02607	0.442436	LOC114270950 LOC114277383 LOC114284490 LOC114286217 LOC114286557 LOC114317430	http://amigo.geneontology.org/amigo/term/GO:0007005
phosphatidylinositol metabolic process	biological _process	GO:0046488	6	86	0.802151	0.03943	0.533103	LOC114270637 LOC114274659 LOC114287829 LOC114288720 LOC114299440 LOC114307027	http://amigo.geneontology.org/amigo/term/GO:0046488
actin filament organization	biological _process	GO:0007015	6	89	0.775112	0.04538	0.582474	LOC114264677 LOC114264704 LOC114275505 LOC114277629 LOC114306769 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0007015
glycerolipid biosynthetic process	biological _process	GO:0045017	6	89	0.775112	0.04538	0.582474	LOC114258149 LOC114270637 LOC114274659 LOC114276617 LOC114288720 LOC114299440	http://amigo.geneontology.org/amigo/term/GO:0045017
small molecule catabolic process	biological _process	GO:0044282	6	91	0.758076	0.04965	0.595672	LOC114258043 LOC114263059 LOC114272337 LOC114275199 LOC114298958 LOC114321080	http://amigo.geneontology.org/amigo/term/GO:0044282

aromatic amino acid family biosynthetic process	biological _process	GO:0009073	5	33	1.742044	0.00248	0.155728	LOC114265902 LOC114296365 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:0009073
polyamine metabolic process	biological _process	GO:0006595	5	38	1.512828	0.00466	0.21372	LOC114298543 LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0006595
polyamine biosynthetic process	biological _process	GO:0006596	5	38	1.512828	0.00466	0.21372	LOC114298543 LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0006596
amine biosynthetic process	biological _process	GO:0009309	5	49	1.173214	0.01365	0.319296	LOC114298543 LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0009309
cellular biogenic amine biosynthetic process	biological _process	GO:0042401	5	49	1.173214	0.01365	0.319296	LOC114298543 LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0042401

protein-DNA complex assembly	biological _process	GO:0065004	5	49	1.173214	0.01365	0.319296	LOC114267438 LOC114274441 LOC114285072 LOC114301033 LOC114309735	http://amigo.geneontology.org/amigo/term/GO:0065004
protein-DNA complex subunit organization	biological _process	GO:0071824	5	49	1.173214	0.01365	0.319296	LOC114267438 LOC114274441 LOC114285072 LOC114301033 LOC114309735	http://amigo.geneontology.org/amigo/term/GO:0071824
glycolipid biosynthetic process	biological _process	GO:0009247	5	59	0.974364	0.02835	0.442436	LOC114266251 LOC114270637 LOC114274659 LOC114288720 LOC114299440	http://amigo.geneontology.org/amigo/term/GO:0009247
protein import	biological _process	GO:0017038	5	63	0.912499	0.03626	0.510917	LOC114258151 LOC114266339 LOC114277383 LOC114286557 LOC114315996	http://amigo.geneontology.org/amigo/term/GO:0017038
glycolipid metabolic process	biological _process	GO:0006664	5	64	0.898242	0.03843	0.531541	LOC114266251 LOC114270637 LOC114274659 LOC114288720 LOC114299440	http://amigo.geneontology.org/amigo/term/GO:0006664

liposaccharide metabolic process	biological _process	GO:1903509	5	64	0.898242	0.03843	0.531541	LOC114266251 LOC114270637 LOC114274659 LOC114288720 LOC114299440	http://amigo.geneontology.org/amigo/term/GO:1903509
rRNA processing	biological _process	GO:0006364	5	66	0.871022	0.04301	0.563581	LOC114260756 LOC114270680 LOC114296189 LOC114311226 LOC114312304	http://amigo.geneontology.org/amigo/term/GO:0006364
rRNA metabolic process	biological _process	GO:0016072	5	66	0.871022	0.04301	0.563581	LOC114260756 LOC114270680 LOC114296189 LOC114311226 LOC114312304	http://amigo.geneontology.org/amigo/term/GO:0016072
putrescine metabolic process	biological _process	GO:0009445	4	11	4.180907	0.0002	0.040933	LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0009445
putrescine biosynthetic process	biological _process	GO:0009446	4	11	4.180907	0.0002	0.040933	LOC114306956 LOC114307001 LOC114318161 LOC114318164	http://amigo.geneontology.org/amigo/term/GO:0009446

L-phenylalanine metabolic process	biological _process	GO:0006558	4	14	3.284998	0.00056	0.077049	LOC114265902 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:0006558
L-phenylalanine biosynthetic process	biological _process	GO:0009094	4	14	3.284998	0.00056	0.077049	LOC114265902 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:0009094
erythrose 4- phosphate/phosp hoenolpyruvate family amino acid metabolic process	biological _process	GO:1902221	4	14	3.284998	0.00056	0.077049	LOC114265902 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1902221
erythrose 4- phosphate/phosp hoenolpyruvate family amino acid biosynthetic process	biological _process	GO:1902223	4	14	3.284998	0.00056	0.077049	LOC114265902 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term/GO:1902223
aromatic amino acid family biosynthetic process,	biological _process	GO:0009095	4	17	2.705292	0.00125	0.097458	LOC114265902 LOC114313713 LOC114317503 LOC114323756	http://amigo.geneontology.org/amigo/term

prephenate pathway									m/GO:0009095
regulation of transmembrane transport	biological_process	GO:0034762	4	21	2.189999	0.00287	0.167823	LOC114274649 LOC114302756 LOC114306907 LOC114310246	http://amigo.eneontology.org/amigo/term/GO:0034762
regulation of ion transmembrane transport	biological_process	GO:0034765	4	21	2.189999	0.00287	0.167823	LOC114274649 LOC114302756 LOC114306907 LOC114310246	http://amigo.eneontology.org/amigo/term/GO:0034765
spindle organization	biological_process	GO:0007051	4	27	1.703332	0.00733	0.295601	LOC114266363 LOC114273300 LOC114295471 LOC114295560	http://amigo.eneontology.org/amigo/term/GO:0007051
RNA 3'-end processing	biological_process	GO:0031123	4	29	1.585861	0.00947	0.303781	LOC114288404 LOC114307624 LOC114314245 LOC114316352	http://amigo.eneontology.org/amigo/term/GO:0031123
regulation of ion transport	biological_process	GO:0043269	4	29	1.585861	0.00947	0.303781	LOC114274649 LOC114302756 LOC114306907 LOC114310246	http://amigo.eneontology.org/amigo/term/GO:0043269

									m/GO:0043269
									http://amigo.geneontology.org/amigo/term/GO:0051049
regulation of transport	biological_process	GO:0051049	4	33	1.393636	0.0149	0.325711	LOC114274649 LOC114302756 LOC114306907 LOC114310246	
									http://amigo.geneontology.org/amigo/term/GO:0032879
regulation of localization	biological_process	GO:0032879	4	34	1.352646	0.01651	0.341742	LOC114274649 LOC114302756 LOC114306907 LOC114310246	
									http://amigo.geneontology.org/amigo/term/GO:0051258
protein polymerization	biological_process	GO:0051258	4	34	1.352646	0.01651	0.341742	LOC114260629 LOC114275505 LOC114306769 LOC114315282	
									http://amigo.geneontology.org/amigo/term/GO:0007186
G-protein coupled receptor signaling pathway	biological_process	GO:0007186	4	40	1.149749	0.02841	0.442436	LOC114296826 LOC114301312 LOC114302948 LOC114319154	
									http://amigo.geneontology.org/amigo/term/GO:0006535
cysteine biosynthetic process from serine	biological_process	GO:0006535	4	43	1.069534	0.03586	0.508343	LOC114282634 LOC114285764 LOC114297841 LOC114310850	

cysteine biosynthetic process	biological_process	GO:0019344	4	43	1.069534	0.03586	0.508343	LOC114282634 LOC114285764 LOC114297841 LOC114310850	m/GO:0006535 http://amigo.geneontology.org/amigo/term/GO:0019344
cysteine metabolic process	biological_process	GO:0006534	4	44	1.045227	0.03858	0.531541	LOC114282634 LOC114285764 LOC114297841 LOC114310850	m/GO:0006534 http://amigo.geneontology.org/amigo/term/GO:0006534
nucleocytoplasmic transport	biological_process	GO:0006913	4	47	0.97851	0.0474	0.589727	LOC114258151 LOC114266339 LOC114306396 LOC114315996	m/GO:0006913 http://amigo.geneontology.org/amigo/term/GO:0006913
nuclear transport	biological_process	GO:0051169	4	47	0.97851	0.0474	0.589727	LOC114258151 LOC114266339 LOC114306396 LOC114315996	m/GO:0051169 http://amigo.geneontology.org/amigo/term/GO:0051169
coenzyme A metabolic process	biological_process	GO:0015936	3	8	4.31156	0.00123	0.097458	LOC114295538 LOC114313963 LOC114320798	m/GO:0015936 http://amigo.geneontology.org/amigo/term/GO:0015936

coenzyme A biosynthetic process	biological _process	GO:0015937	3	8	4.31156	0.00123	0.097458	LOC114295538 LOC114313963 LOC114320798	m/GO:0015936 http://amigo.geneontology.org/amigo/term/GO:0015937
nucleoside bisphosphate biosynthetic process	biological _process	GO:0033866	3	8	4.31156	0.00123	0.097458	LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0033866
ribonucleoside bisphosphate biosynthetic process	biological _process	GO:0034030	3	8	4.31156	0.00123	0.097458	LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0034030
purine nucleoside bisphosphate biosynthetic process	biological _process	GO:0034033	3	8	4.31156	0.00123	0.097458	LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0034033
regulation of DNA metabolic process	biological _process	GO:0051052	3	10	3.449248	0.00253	0.155728	LOC114302295 LOC114307025 LOC114310205	http://amigo.geneontology.org/amigo/term/GO:0051052

									m/GO:0051052
									http://amigo.geneontology.org/amigo/term/GO:0006304
DNA modification	biological_process	GO:0006304	3	16	2.15578	0.01036	0.303781	LOC114307025 LOC114313578 LOC114317894	http://amigo.geneontology.org/amigo/term/GO:0006305
DNA alkylation	biological_process	GO:0006305	3	16	2.15578	0.01036	0.303781	LOC114307025 LOC114313578 LOC114317894	http://amigo.geneontology.org/amigo/term/GO:0006306
DNA methylation	biological_process	GO:0006306	3	16	2.15578	0.01036	0.303781	LOC114307025 LOC114313578 LOC114317894	http://amigo.geneontology.org/amigo/term/GO:0033865
nucleoside bisphosphate metabolic process	biological_process	GO:0033865	3	16	2.15578	0.01036	0.303781	LOC114295538 LOC114313963 LOC114320798	http://amigo.geneontology.org/amigo/term/GO:0033875
ribonucleoside bisphosphate metabolic process	biological_process	GO:0033875	3	16	2.15578	0.01036	0.303781	LOC114295538 LOC114313963 LOC114320798	

										m/GO:0033875
purine nucleoside bisphosphate metabolic process	biological _process	GO:0034032	3	16	2.15578	0.01036	0.303781	LOC114295538 LOC114313963 LOC114320798		http://amigo.geneontology.org/amigo/term/GO:0034032
interstrand cross-link repair	biological _process	GO:0036297	3	16	2.15578	0.01036	0.303781	LOC114277058 LOC114289925 LOC114290633		http://amigo.geneontology.org/amigo/term/GO:0036297
DNA methylation or demethylation	biological _process	GO:0044728	3	16	2.15578	0.01036	0.303781	LOC114307025 LOC114313578 LOC114317894		http://amigo.geneontology.org/amigo/term/GO:0044728
sucrose metabolic process	biological _process	GO:0005985	3	17	2.028969	0.01232	0.319296	LOC114280147 LOC114289014 LOC114291008		http://amigo.geneontology.org/amigo/term/GO:0005985
protein import into nucleus	biological _process	GO:0006606	3	18	1.916249	0.01447	0.319296	LOC114258151 LOC114266339 LOC114315996		http://amigo.geneontology.org/amigo/term/GO:0006606

										m/GO:0006606
										06
										http://amigo.geneontology.org/amigo/term/GO:0006771
riboflavin metabolic process	biological _process	GO:0006771	3	18	1.916249	0.01447	0.319296	LOC114294164 LOC114314310 LOC114318308		
										http://amigo.geneontology.org/amigo/term/GO:0009231
riboflavin biosynthetic process	biological _process	GO:0009231	3	18	1.916249	0.01447	0.319296	LOC114294164 LOC114314310 LOC114318308		
										http://amigo.geneontology.org/amigo/term/GO:0034504
protein localization to nucleus	biological _process	GO:0034504	3	18	1.916249	0.01447	0.319296	LOC114258151 LOC114266339 LOC114315996		
										http://amigo.geneontology.org/amigo/term/GO:0042726
flavin-containing compound metabolic process	biological _process	GO:0042726	3	18	1.916249	0.01447	0.319296	LOC114294164 LOC114314310 LOC114318308		
										http://amigo.geneontology.org/amigo/term/GO:0042727
flavin-containing compound biosynthetic process	biological _process	GO:0042727	3	18	1.916249	0.01447	0.319296	LOC114294164 LOC114314310 LOC114318308		

protein targeting to nucleus	biological _process	GO:0044744	3	18	1.916249	0.01447	0.319296	LOC114258151 LOC114266339 LOC114315996	m/GO:00427 27 http://amigo.geneontology.org/amigo/term/GO:0044744
nuclear import	biological _process	GO:0051170	3	19	1.815394	0.01681	0.341901	LOC114258151 LOC114266339 LOC114315996	http://amigo.geneontology.org/amigo/term/GO:0051170
single-organism nuclear import	biological _process	GO:1902593	3	19	1.815394	0.01681	0.341901	LOC114258151 LOC114266339 LOC114315996	http://amigo.geneontology.org/amigo/term/GO:1902593
nucleotide-sugar biosynthetic process	biological _process	GO:0009226	3	21	1.642499	0.02211	0.407207	LOC114288413 LOC114294805 LOC114299955	http://amigo.geneontology.org/amigo/term/GO:0009226
spindle assembly	biological _process	GO:0051225	3	21	1.642499	0.02211	0.407207	LOC114266363 LOC114273300 LOC114295560	http://amigo.geneontology.org/amigo/term/GO:0051225

									m/GO:0051225
									25
positive									http://amigo.geneontology.org/amigo/term/GO:0010638
regulation of organelle organization	biological _process	GO:0010638	3	22	1.56784	0.02506	0.442436	LOC114275505 LOC114306769 LOC114317545	
									http://amigo.geneontology.org/amigo/term/GO:0031124
mRNA 3'-end processing	biological _process	GO:0031124	3	22	1.56784	0.02506	0.442436	LOC114288404 LOC114307624 LOC114314245	
									24
positive									http://amigo.geneontology.org/amigo/term/GO:0051130
regulation of cellular component organization	biological _process	GO:0051130	3	22	1.56784	0.02506	0.442436	LOC114275505 LOC114306769 LOC114317545	
									30
									http://amigo.geneontology.org/amigo/term/GO:0018342
protein prenylation	biological _process	GO:0018342	3	24	1.437187	0.03156	0.467064	LOC114273952 LOC114280309 LOC114284046	
									42
									http://amigo.geneontology.org/amigo/term/GO:0097354
prenylation	biological _process	GO:0097354	3	24	1.437187	0.03156	0.467064	LOC114273952 LOC114280309 LOC114284046	

monocarboxylic acid catabolic process	biological_process	GO:0072329	3	25	1.379699	0.03511	0.503818	LOC114272337 LOC114298958 LOC114321080	m/GO:0097354 http://amigo.geneontology.org/amigo/term/GO:0072329
IMP biosynthetic process	biological_process	GO:0006188	3	26	1.326634	0.03886	0.531541	LOC114269944 LOC114270740 LOC114279846	http://amigo.geneontology.org/amigo/term/GO:0006188
IMP metabolic process	biological_process	GO:0046040	3	26	1.326634	0.03886	0.531541	LOC114269944 LOC114270740 LOC114279846	http://amigo.geneontology.org/amigo/term/GO:0046040
nucleotide-sugar metabolic process	biological_process	GO:0009225	3	27	1.277499	0.0428	0.563581	LOC114288413 LOC114294805 LOC114299955	http://amigo.geneontology.org/amigo/term/GO:0009225
regulation of gene expression, epigenetic	biological_process	GO:0040029	3	27	1.277499	0.0428	0.563581	LOC114307025 LOC114313578 LOC114317894	http://amigo.geneontology.org/amigo/term/GO:0040029

									m/GO:0040029
									http://amigo.geneontology.org/amigo/term/GO:0098656
anion transmembrane transport	biological _process	GO:0098656	3	28	1.231874	0.04694	0.589727	LOC114274059 LOC114277736 LOC114295821	
									http://amigo.geneontology.org/amigo/term/GO:1903457
lactate catabolic process	biological _process	GO:1903457	2	2	11.49749	0.00085	0.089492	LOC114272337 LOC114298958	
									http://amigo.geneontology.org/amigo/term/GO:0033619
membrane protein proteolysis	biological _process	GO:0033619	2	3	7.664995	0.00249	0.155728	LOC114281818 LOC114295456	
									http://amigo.geneontology.org/amigo/term/GO:0006089
lactate metabolic process	biological _process	GO:0006089	2	4	5.748747	0.00489	0.215806	LOC114272337 LOC114298958	
									http://amigo.geneontology.org/amigo/term/GO:0006282
regulation of DNA repair	biological _process	GO:0006282	2	5	4.598997	0.00799	0.301429	LOC114302295 LOC114310205	

									m/GO:0006390
									http://amigo.geneontology.org/amigo/term/GO:0015976
carbon utilization	biological _process	GO:0015976	2	7	3.284998	0.01613	0.339893	LOC114297011 LOC114310655	http://amigo.geneontology.org/amigo/term/GO:0080135
regulation of cellular response to stress	biological _process	GO:0080135	2	7	3.284998	0.01613	0.339893	LOC114302295 LOC114310205	http://amigo.geneontology.org/amigo/term/GO:0006777
Mo- molybdopterin cofactor biosynthetic process	biological _process	GO:0006777	2	8	2.874373	0.0211	0.394823	LOC114262969 LOC114297157	http://amigo.geneontology.org/amigo/term/GO:0015693
magnesium ion transport	biological _process	GO:0015693	2	8	2.874373	0.0211	0.394823	LOC114265556 LOC114274664	http://amigo.geneontology.org/amigo/term/GO:0019720
Mo- molybdopterin cofactor	biological _process	GO:0019720	2	8	2.874373	0.0211	0.394823	LOC114262969 LOC114297157	http://amigo.geneontology.org/amigo/term/GO:0006390

metabolic process									m/GO:0019720
molybdopterin cofactor biosynthetic process	biological _process	GO:0032324	2	8	2.874373	0.0211	0.394823	LOC114262969 LOC114297157	http://amigo.geneontology.org/amigo/term/GO:0032324
molybdopterin cofactor metabolic process	biological _process	GO:0043545	2	8	2.874373	0.0211	0.394823	LOC114262969 LOC114297157	http://amigo.geneontology.org/amigo/term/GO:0043545
prosthetic group metabolic process	biological _process	GO:0051189	2	8	2.874373	0.0211	0.394823	LOC114262969 LOC114297157	http://amigo.geneontology.org/amigo/term/GO:0051189
microtubule severing	biological _process	GO:0051013	2	10	2.299499	0.03263	0.471987	LOC114268986 LOC114296265	http://amigo.geneontology.org/amigo/term/GO:0051013
microtubule nucleation	biological _process	GO:0007020	2	12	1.916249	0.04607	0.582474	LOC114260629 LOC114315282	http://amigo.geneontology.org/amigo/term/GO:0007020

LOC114278552|LOC114279052|LOC114279387|LOC114280503|LOC114280621|LOC114280
827|LOC114282192|LOC114282429|LOC114283072|LOC114283073|LOC114283133|LOC11
4283502|LOC114283512|LOC114283693|LOC114284490|LOC114284927|LOC114285178|LO
C114285600|LOC114285746|LOC114285762|LOC114285852|LOC114286217|LOC11428637
7|LOC114286516|LOC114286550|LOC114286557|LOC114286573|LOC114286827|LOC1142
86999|LOC114287055|LOC114287661|LOC114287737|LOC114288195|LOC114288404|LOC
114288960|LOC114289281|LOC114289500|LOC114289696|LOC114289890|LOC114289925|
LOC114289998|LOC114290087|LOC114290169|LOC114290532|LOC114290602|LOC114290
633|LOC114290835|LOC114291111|LOC114291143|LOC114291656|LOC114291770|LOC11
4292193|LOC114292214|LOC114292579|LOC114293016|LOC114293322|LOC114293376|LO
C114293530|LOC114294164|LOC114294418|LOC114294519|LOC114295560|LOC11429592
7|LOC114296788|LOC114297542|LOC114298303|LOC114298503|LOC114298693|LOC1142
98958|LOC114299009|LOC114299128|LOC114299207|LOC114299246|LOC114299251|LOC
114299440|LOC114299630|LOC114299719|LOC114300148|LOC114300977|LOC114301033|
LOC114301147|LOC114301163|LOC114301272|LOC114302147|LOC114303552|LOC114303
971|LOC114304031|LOC114305008|LOC114305009|LOC114305423|LOC114305919|LOC11
4306070|LOC114306375|LOC114306476|LOC114306531|LOC114306769|LOC114306824|LO
C114307025|LOC114307624|LOC114307688|LOC114308149|LOC114308709|LOC11430946
9|LOC114309962|LOC114310023|LOC114310148|LOC114310205|LOC114310357|LOC1143
10377|LOC114310493|LOC114310656|LOC114311450|LOC114311675|LOC114311681|LOC
114311741|LOC114311810|LOC114312578|LOC114312774|LOC114312858|LOC114313006|
LOC114313166|LOC114313408|LOC114313578|LOC114314245|LOC114315174|LOC114315
427|LOC114315665|LOC114315782|LOC114315853|LOC114315989|LOC114316352|LOC11
4316460|LOC114316831|LOC114316905|LOC114317014|LOC114317106|LOC114317268|LO
C114317290|LOC114317563|LOC114317632|LOC114317815|LOC114317894|LOC11431883
2|LOC114319208|LOC114319358|LOC114319874|LOC114320239|LOC114320625|LOC1143

organelle	cellular_c omponent	GO:0043226	242	6526	0.509527	0.00011	0.001932	20721 LOC114321109 LOC114321899 LOC114322096 LOC114322869 LOC114322928 LOC114323035 LOC114323303 LOC114323389 LOC114323396 LOC114323552 LOC114323752 LOC114323885 LOC114324108	http://amigo.g eneontology.o rg/amigo/ter m/GO:00432 26
								LOC114255792 LOC114255793 LOC114255879 LOC114256225 LOC114256656 LOC114256667 LOC114257012 LOC114257018 LOC114257423 LOC114258400 LOC114258475 LOC114258507 LOC114258817 LOC114259356 LOC114259437 LOC114259896 LOC114260587 LOC114260589 LOC114260668 LOC114260756 LOC114261687 LOC114261735 LOC114261853 LOC114261858 LOC114262465 LOC114262677 LOC114262741 LOC114262815 LOC114262908 LOC114263000 LOC114263018 LOC114263338 LOC114263355 LOC114263511 LOC114263765 LOC114264047 LOC114264127 LOC114264638 LOC114264677 LOC114264704 LOC114265238 LOC114265367 LOC114265370 LOC114265376 LOC114265517 LOC114265662 LOC114265756 LOC114266363 LOC114266618 LOC114267428 LOC114267438 LOC114267817 LOC114267889 LOC114267997 LOC114268309 LOC114268452 LOC114268546 LOC114269021 LOC114269044 LOC114269466 LOC114270285 LOC114270289 LOC114270799 LOC114272240 LOC114272337 LOC114272475 LOC114273170 LOC114273300 LOC114273602 LOC114274210 LOC114274441 LOC114274847 LOC114274923 LOC114275496 LOC114276687 LOC114277058 LOC114277383 LOC114277629 LOC114277815 LOC114278212 LOC114278552 LOC114279052 LOC114279387 LOC114280503 LOC114280621 LOC114280827 LOC114282192 LOC114282429 LOC114283072 LOC114283073 LOC114283133 LOC114283502 LOC114283512 LOC114283693 LOC114284490 LOC114284927 LOC114285178 LOC114285600 LOC114285746 LOC114285762 LOC114285852 LOC114286217 LOC114286377 LOC114286516 LOC114286550 LOC114286557 LOC114286573 LOC114286827 LOC114286999 LOC114287055 LOC114287661 LOC114287737 LOC114288195 LOC114288404 LOC114288960 LOC114289281 LOC114289500 LOC114289696 LOC114289890 LOC114289925 LOC114289998 LOC114290087 LOC114290169 LOC114290532 LOC114290602 LOC114290633 LOC114290835 LOC114291111 LOC114291143 LOC114291656 LOC114291770 LOC11	

nucleus	cellular_component	GO:0005634	158	4263	0.509261	0.00329	0.042022	<p>4292193 LOC114292214 LOC114292579 LOC114293016 LOC114293322 LOC114293376 LOC114293530 LOC114294164 LOC114294418 LOC114294519 LOC114295560 LOC114295927 LOC114296788 LOC114297542 LOC114298303 LOC114298503 LOC114298693 LOC114298958 LOC114299009 LOC114299128 LOC114299207 LOC114299246 LOC114299251 LOC114299440 LOC114299630 LOC114299719 LOC114300148 LOC114300977 LOC114301033 LOC114301147 LOC114301163 LOC114301272 LOC114302147 LOC114303552 LOC114303971 LOC114304031 LOC114305008 LOC114305009 LOC114305423 LOC114305919 LOC114306070 LOC114306375 LOC114306476 LOC114306531 LOC114306769 LOC114306824 LOC114307025 LOC114307624 LOC114307688 LOC114308149 LOC114308709 LOC114309469 LOC114309962 LOC114310023 LOC114310148 LOC114310205 LOC114310357 LOC114310377 LOC114310493 LOC114310656 LOC114311450 LOC114311675 LOC114311681 LOC114311741 LOC114311810 LOC114312578 LOC114312774 LOC114312858 LOC114313006 LOC114313166 LOC114313408 LOC114313578 LOC114314245 LOC114315174 LOC114315427 LOC114315665 LOC114315782 LOC114315853 LOC114315989 LOC114316352 LOC114316460 LOC114316831 LOC114316905 LOC114317014 LOC114317106 LOC114317268 LOC114317290 LOC114317563 LOC114317632 LOC114317815 LOC114317894 LOC114318832 LOC114319208 LOC114319358 LOC114319874 LOC114320239 LOC114320625 LOC114320721 LOC114321109 LOC114321899 LOC114322096 LOC114322869 LOC114322928 LOC114323035 LOC114323303 LOC114323389 LOC114323396 LOC114323552 LOC114323752 LOC114323885 LOC114324108 LOC114255792 LOC114256225 LOC114256656 LOC114256667 LOC114257012 LOC114257423 LOC114258507 LOC114259356 LOC114259437 LOC114259896 LOC114260668 LOC114260756 LOC114261735 LOC114261858 LOC114262465 LOC114262815 LOC114262908 LOC114263000 LOC114263338 LOC114263355 LOC114263511 LOC114263765 LOC114264638 LOC114265367 LOC114265370 LOC114265376 LOC114265662 LOC114265756 LOC114267428 LOC114267438 LOC114267817 LOC114267889 LOC114267997 LOC114268309 LOC</p>
---------	--------------------	------------	-----	------	----------	---------	----------	--

<http://amigo.geneontology.org/amigo/term/GO:0005634>

cytoplasmic part	cellular_component	GO:0044444	92	2301	0.549377	0.00385	0.048082	114268452 LOC114269021 LOC114269044 LOC114269466 LOC114270289 LOC114273602 LOC114274210 LOC114274441 LOC114274923 LOC114275496 LOC114277058 LOC114277 815 LOC114278212 LOC114279387 LOC114280827 LOC114282192 LOC114283072 LOC11 4283073 LOC114283133 LOC114283502 LOC114283693 LOC114284927 LOC114285178 LO C114285600 LOC114285762 LOC114286377 LOC114286516 LOC114286550 LOC11428699 9 LOC114287055 LOC114287661 LOC114287737 LOC114288404 LOC114288960 LOC1142 89281 LOC114289500 LOC114289696 LOC114289890 LOC114289925 LOC114289998 LOC 114290169 LOC114290532 LOC114290602 LOC114290633 LOC114291770 LOC114292193 LOC114292579 LOC114293016 LOC114293322 LOC114293530 LOC114294418 LOC114295 927 LOC114296788 LOC114297542 LOC114298303 LOC114298503 LOC114299128 LOC11 4299207 LOC114299630 LOC114299719 LOC114300148 LOC114301147 LOC114301163 LO C114303552 LOC114303971 LOC114304031 LOC114305008 LOC114305009 LOC11430542 3 LOC114305919 LOC114306070 LOC114306375 LOC114306476 LOC114306824 LOC1143 07025 LOC114307624 LOC114307688 LOC114308149 LOC114309469 LOC114309962 LOC 114310023 LOC114310148 LOC114310205 LOC114310357 LOC114310493 LOC114310656 LOC114311450 LOC114311675 LOC114311681 LOC114312774 LOC114312858 LOC114313 006 LOC114313166 LOC114313408 LOC114313578 LOC114314245 LOC114315427 LOC11 4315665 LOC114315782 LOC114315989 LOC114316352 LOC114316460 LOC114316831 LO C114316905 LOC114317014 LOC114317268 LOC114317290 LOC114317815 LOC11431789 4 LOC114318832 LOC114319208 LOC114319358 LOC114319874 LOC114320721 LOC1143 21109 LOC114321899 LOC114322096 LOC114322869 LOC114323035 LOC114323303 LOC 114323389 LOC114323552 LOC114323752 LOC114324108 LOC114255793 LOC114255879 LOC114257018 LOC114258284 LOC114258294 LOC114258 400 LOC114258817 LOC114260587 LOC114260589 LOC114261687 LOC114261853 LOC11 4262677 LOC114262741 LOC114262899 LOC114263018 LOC114264047 LOC114264127 LO C114265517 LOC114265975 LOC114266618 LOC114268546 LOC114270152 LOC11427028
								http://amigo.geneontology.org/amigo/term

								5 LOC114270799 LOC114272337 LOC114272682 LOC114273170 LOC114274264 LOC114274847 LOC114276687 LOC114277383 LOC114278552 LOC114279052 LOC114280503 LOC114280621 LOC114282876 LOC114282880 LOC114283512 LOC114284046 LOC114284490 LOC114285744 LOC114285746 LOC114286217 LOC114286557 LOC114286573 LOC114286827 LOC114286867 LOC114288195 LOC114289785 LOC114290087 LOC114290835 LOC114291111 LOC114291656 LOC114292062 LOC114293321 LOC114293376 LOC114294075 LOC114294164 LOC114294519 LOC114297323 LOC114298693 LOC114298958 LOC114299246 LOC114299251 LOC114299440 LOC114300247 LOC114301272 LOC114301605 LOC114302147 LOC114303105 LOC114306531 LOC114307799 LOC114308004 LOC114308709 LOC114310136 LOC114310377 LOC114310941 LOC114311741 LOC114311810 LOC114312578 LOC114313963 LOC114315174 LOC114315853 LOC114317106 LOC114317563 LOC114320239 LOC114320625 LOC114320798 LOC114321491 LOC114322928 LOC114323396 LOC114323885 LOC114255793 LOC114256667 LOC114257012 LOC114258400 LOC114258475 LOC114260756 LOC114261735 LOC114261853 LOC114261858 LOC114262465 LOC114262815 LOC114263338 LOC114263355 LOC114264047 LOC114264677 LOC114264704 LOC114265238 LOC114265376 LOC114265662 LOC114265756 LOC114266363 LOC114266618 LOC114267438 LOC114267997 LOC114268309 LOC114269044 LOC114269466 LOC114270285 LOC114272240 LOC114272475 LOC114273300 LOC114274210 LOC114274847 LOC114277383 LOC114277629 LOC114278552 LOC114279052 LOC114280621 LOC114282192 LOC114283133 LOC114283693 LOC114284490 LOC114286217 LOC114286550 LOC114286557 LOC114286999 LOC114288195 LOC114288404 LOC114288960 LOC114289500 LOC114289890 LOC114290087 LOC114290602 LOC114290633 LOC114291111 LOC114291770 LOC114292579 LOC114294519 LOC114295560 LOC114299009 LOC114299251 LOC114299440 LOC114299719 LOC114301033 LOC114303552 LOC114304031 LOC114305008 LOC114305009 LOC114306375 LOC114306769 LOC114307624 LOC114308709 LOC114310023 LOC114310148 LOC	m/GO:0044444
intracellular organelle part	cellular_component	GO:0044446	89	2178	0.561476	0.00244	0.032282		

organelle part	cellular_c omponent	GO:0044422	89	2179	0.561218	0.00247	0.032282	114310357 LOC114310377 LOC114310656 LOC114311681 LOC114312578 LOC114312774 LOC114312858 LOC114313006 LOC114316831 LOC114317106 LOC114317563 LOC114317 632 LOC114320625 LOC114323396 LOC114323752 LOC114255793 LOC114256667 LOC114257012 LOC114258400 LOC114258475 LOC114260 756 LOC114261735 LOC114261853 LOC114261858 LOC114262465 LOC114262815 LOC11 4263338 LOC114263355 LOC114264047 LOC114264677 LOC114264704 LOC114265238 LO C114265376 LOC114265662 LOC114265756 LOC114266363 LOC114266618 LOC11426743 8 LOC114267997 LOC114268309 LOC114269044 LOC114269466 LOC114270285 LOC1142 72240 LOC114272475 LOC114273300 LOC114274210 LOC114274847 LOC114277383 LOC 114277629 LOC114278552 LOC114279052 LOC114280621 LOC114282192 LOC114283133 LOC114283693 LOC114284490 LOC114286217 LOC114286550 LOC114286557 LOC114286 999 LOC114288195 LOC114288404 LOC114288960 LOC114289500 LOC114289890 LOC11 4290087 LOC114290602 LOC114290633 LOC114291111 LOC114291770 LOC114292579 LO C114294519 LOC114295560 LOC114299009 LOC114299251 LOC114299440 LOC11429971 9 LOC114301033 LOC114303552 LOC114304031 LOC114305008 LOC114305009 LOC1143 06375 LOC114306769 LOC114307624 LOC114308709 LOC114310023 LOC114310148 LOC 114310357 LOC114310377 LOC114310656 LOC114311681 LOC114312578 LOC114312774 LOC114312858 LOC114313006 LOC114316831 LOC114317106 LOC114317563 LOC114317 632 LOC114320625 LOC114323396 LOC114323752 LOC114256667 LOC114258400 LOC114258475 LOC114260756 LOC114263338 LOC114264 677 LOC114264704 LOC114265238 LOC114266363 LOC114268309 LOC114269044 LOC11 4272240 LOC114272475 LOC114273300 LOC114276687 LOC114277629 LOC114283133 LO C114285746 LOC114285852 LOC114286550 LOC114286827 LOC114288960 LOC11428989 0 LOC114291111 LOC114291143 LOC114291656 LOC114292214 LOC114295560 LOC1142 98693 LOC114299009 LOC114300977 LOC114301033 LOC114305008 LOC114305009 LOC
								http://amigo.geneontology.org/amigo/term/GO:0044422
non-membrane- bounded organelle	cellular_c omponent	GO:0043228	44	1117	0.541251	0.0493	0.36281	http://amigo.geneontology.org/amigo/term/GO:0043228

intracellular non-membrane-bounded organelle	cellular_component	GO:0043232	44	1117	0.541251	0.0493	0.36281	114306375 LOC114306769 LOC114310357 LOC114311681 LOC114311741 LOC114311810 LOC114313006 LOC114315174 LOC114316831 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0043232
								LOC114256667 LOC114258400 LOC114258475 LOC114260756 LOC114263338 LOC114264677 LOC114264704 LOC114265238 LOC114266363 LOC114268309 LOC114269044 LOC114272240 LOC114272475 LOC114273300 LOC114276687 LOC114277629 LOC114283133 LOC114285746 LOC114285852 LOC114286550 LOC114286827 LOC114288960 LOC114289890 LOC114291111 LOC114291143 LOC114291656 LOC114292214 LOC114295560 LOC114298693 LOC114299009 LOC114300977 LOC114301033 LOC114305008 LOC114305009 LOC114306375 LOC114306769 LOC114310357 LOC114311681 LOC114311741 LOC114311810 LOC114313006 LOC114315174 LOC114316831 LOC114317632	
mitochondrion	cellular_component	GO:0005739	21	395	0.730502	0.01011	0.12089	LOC114257018 LOC114260587 LOC114260589 LOC114261687 LOC114266618 LOC114270799 LOC114272337 LOC114274847 LOC114277383 LOC114284490 LOC114286217 LOC114286557 LOC114288195 LOC114290835 LOC114293376 LOC114298958 LOC114302147 LOC114317106 LOC114320239 LOC114322928 LOC114323396	http://amigo.geneontology.org/amigo/term/GO:0005739
								LOC114258284 LOC114258294 LOC114262899 LOC114265975 LOC114274264 LOC114282876 LOC114282880 LOC114286867 LOC114289785 LOC114292062 LOC114293321 LOC114297323 LOC114301605 LOC114303105 LOC114307799 LOC114308004 LOC114310136 LOC114310941 LOC114313963 LOC114320798	
cytosol	cellular_component	GO:0005829	20	312	0.880794	0.00152	0.020835	LOC114257012 LOC114262815 LOC114263355 LOC114265756 LOC114282192 LOC114286999 LOC114288404 LOC114289500 LOC114290633 LOC114291770 LOC114304031 LOC114307624 LOC114310023 LOC114310148 LOC114310656 LOC114312858 LOC114323752	http://amigo.geneontology.org/amigo/term/GO:0005829
nucleoplasm	cellular_component	GO:0005654	17	196	1.191769	0.00011	0.001932		http://amigo.geneontology.org/amigo/term/GO:0005654

cytoskeleton	cellular_c omponent	GO:0005856	13	232	0.769936	0.02614	0.244845	LOC114258475 LOC114264677 LOC114264704 LOC114265238 LOC114266363 LOC114272240 LOC114272475 LOC114273300 LOC114277629 LOC114291143 LOC114295560 LOC114306769 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0005856
cytoskeletal part	cellular_c omponent	GO:0044430	12	187	0.881736	0.01238	0.141991	LOC114258475 LOC114264677 LOC114264704 LOC114265238 LOC114266363 LOC114272240 LOC114272475 LOC114273300 LOC114277629 LOC114295560 LOC114306769 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0044430
transcription factor complex	cellular_c omponent	GO:0005667	10	78	1.761588	0.00013	0.002149	LOC114262465 LOC114263355 LOC114267438 LOC114267997 LOC114291770 LOC114304031 LOC114310656 LOC114312774 LOC114312858 LOC114323752	http://amigo.geneontology.org/amigo/term/GO:0005667
nuclear transcription factor complex	cellular_c omponent	GO:0044798	10	78	1.761588	0.00013	0.002149	LOC114262465 LOC114263355 LOC114267438 LOC114267997 LOC114291770 LOC114304031 LOC114310656 LOC114312774 LOC114312858 LOC114323752	http://amigo.geneontology.org/amigo/term/GO:0044798
RNA polymerase II transcription factor complex	cellular_c omponent	GO:0090575	8	66	1.665502	0.00086	0.012083	LOC114262465 LOC114263355 LOC114267997 LOC114291770 LOC114304031 LOC114310656 LOC114312858 LOC114323752	http://amigo.geneontology.org/amigo/term/GO:0090575

nuclear chromatin	cellular_component	GO:0000790	6	26	3.170859	0.00011	0.001932	LOC114289890 LOC114305008 LOC114305009 LOC114311681 LOC114313006 LOC114316831	http://amigo.geneontology.org/amigo/term/GO:0000790
INO80-type complex	cellular_component	GO:0097346	6	26	3.170859	0.00011	0.001932	LOC114289890 LOC114305008 LOC114305009 LOC114311681 LOC114313006 LOC114316831	http://amigo.geneontology.org/amigo/term/GO:0097346
chromatin	cellular_component	GO:0000785	6	30	2.748078	0.00025	0.003903	LOC114289890 LOC114305008 LOC114305009 LOC114311681 LOC114313006 LOC114316831	http://amigo.geneontology.org/amigo/term/GO:0000785
SWI/SNF superfamily-type complex	cellular_component	GO:0070603	6	33	2.498253	0.00043	0.006507	LOC114289890 LOC114305008 LOC114305009 LOC114311681 LOC114313006 LOC114316831	http://amigo.geneontology.org/amigo/term/GO:0070603
DNA repair complex	cellular_component	GO:1990391	6	37	2.228171	0.00081	0.011672	LOC114266759 LOC114283296 LOC114296751 LOC114310357 LOC114312607 LOC114313379	http://amigo.geneontology.org/amigo/term/GO:1990391

myosin complex	cellular_c omponent	GO:0016459	6	74	1.114086	0.02529	0.244845	LOC114264677 LOC114264704 LOC114265238 LOC114272240 LOC114277629 LOC114317632	http://amigo.geneontology.org/amigo/term/GO:0016459
transcription factor TFIID complex	cellular_c omponent	GO:0005669	5	18	3.816775	0.00016	0.002569	LOC114291770 LOC114304031 LOC114310656 LOC114312858 LOC114323752	http://amigo.geneontology.org/amigo/term/GO:0005669
mismatch repair complex	cellular_c omponent	GO:0032300	5	22	3.122816	0.00044	0.006507	LOC114266759 LOC114283296 LOC114296751 LOC114312607 LOC114313379	http://amigo.geneontology.org/amigo/term/GO:0032300
vacuole	cellular_c omponent	GO:0005773	5	51	1.347097	0.01921	0.211687	LOC114262741 LOC114283512 LOC114290087 LOC114306531 LOC114317563	http://amigo.geneontology.org/amigo/term/GO:0005773
endoplasmic reticulum membrane	cellular_c omponent	GO:0005789	5	54	1.272258	0.02403	0.244845	LOC114261853 LOC114270285 LOC114299440 LOC114308709 LOC114310377	http://amigo.geneontology.org/amigo/term/GO:0005789

AP-type membrane coat adaptor complex	cellular_c omponent	GO:0030119	5	54	1.272258	0.02403	0.244845	LOC114264047 LOC114272682 LOC114279052 LOC114285744 LOC114300247	http://amigo.geneontology.org/amigo/term/GO:0030119
nuclear outer membrane- endoplasmic reticulum membrane network	cellular_c omponent	GO:0042175	5	54	1.272258	0.02403	0.244845	LOC114261853 LOC114270285 LOC114299440 LOC114308709 LOC114310377	http://amigo.geneontology.org/amigo/term/GO:0042175
endoplasmic reticulum part	cellular_c omponent	GO:0044432	5	55	1.249126	0.02579	0.244845	LOC114261853 LOC114270285 LOC114299440 LOC114308709 LOC114310377	http://amigo.geneontology.org/amigo/term/GO:0044432
clathrin-coated vesicle	cellular_c omponent	GO:0030136	4	37	1.485448	0.02551	0.244845	LOC114263018 LOC114264047 LOC114279052 LOC114280503	http://amigo.geneontology.org/amigo/term/GO:0030136
clathrin adaptor complex	cellular_c omponent	GO:0030131	4	42	1.308609	0.03842	0.299889	LOC114264047 LOC114272682 LOC114279052 LOC114300247	http://amigo.geneontology.org/amigo/term/GO:0030131

clathrin coat	cellular_c omponent	GO:0030118	4	43	1.278176	0.04138	0.318569	LOC114264047 LOC114272682 LOC114279052 LOC114300247
chromosomal region	cellular_c omponent	GO:0098687	3	14	2.944369	0.00799	0.097617	LOC114263338 LOC114269044 LOC114301033
HAUS complex	cellular_c omponent	GO:0070652	3	16	2.576323	0.01175	0.137573	LOC114266363 LOC114273300 LOC114295560
microtubule associated complex	cellular_c omponent	GO:0005875	3	18	2.290065	0.01636	0.183886	LOC114266363 LOC114273300 LOC114295560
chloroplast thylakoid	cellular_c omponent	GO:0009534	3	21	1.962913	0.02493	0.244845	LOC114255793 LOC114278552 LOC114294519

<http://amigo.geneontology.org/amigo/term/GO:0030118>
<http://amigo.geneontology.org/amigo/term/GO:0098687>
<http://amigo.geneontology.org/amigo/term/GO:0070652>
<http://amigo.geneontology.org/amigo/term/GO:0005875>
<http://amigo.geneontology.org/amigo/term/GO:0009534>

plastid thylakoid	cellular_c omponent	GO:0031976	3	21	1.962913	0.02493	0.244845	LOC114255793 LOC114278552 LOC114294519	http://amigo.geneontology.org/amigo/term/GO:0031976
chromosome, centromeric region	cellular_c omponent	GO:0000775	2	9	3.05342	0.02899	0.248339	LOC114269044 LOC114301033	http://amigo.geneontology.org/amigo/term/GO:0000775
kinetochore	cellular_c omponent	GO:0000776	2	9	3.05342	0.02899	0.248339	LOC114269044 LOC114301033	http://amigo.geneontology.org/amigo/term/GO:0000776
CCAAT-binding factor complex	cellular_c omponent	GO:0016602	2	10	2.748078	0.03551	0.281079	LOC114262465 LOC114267997	http://amigo.geneontology.org/amigo/term/GO:0016602
mitochondrial DNA-directed RNA polymerase complex	cellular_c omponent	GO:0034245	2	10	2.748078	0.03551	0.281079	LOC114284490 LOC114286217	http://amigo.geneontology.org/amigo/term/GO:0034245

transporter activity	molecular_function	GO:0005215	55	1480	0.78821	0.03322	0.713	LOC114256181 LOC114257885 LOC114258544 LOC114262244 LOC114263009 LOC114263955 LOC114264162 LOC114265556 LOC114266339 LOC114267272 LOC114268746 LOC114270138 LOC114272264 LOC114272558 LOC114272871 LOC114273587 LOC114274059 LOC114274649 LOC114274664 LOC114277067 LOC114277516 LOC114277579 LOC114277736 LOC114279636 LOC114282054 LOC114282196 LOC114282237 LOC114283007 LOC114285744 LOC114288931 LOC114292691 LOC114292904 LOC114294117 LOC114295821 LOC114296661 LOC114297160 LOC114299183 LOC114302756 LOC114303887 LOC114304834 LOC114305616 LOC114306905 LOC114306907 LOC114308012 LOC114308169 LOC114309607 LOC114310140 LOC114310246 LOC114310663 LOC114310773 LOC114313302 LOC114317563 LOC114319222 LOC114322718 LOC114322838	http://amigo.eneontology.org/amigo/terms/GO:0005215
RNA binding	molecular_function	GO:0003723	38	995	0.810031	0.04974	0.713	LOC114256319 LOC114256818 LOC114258287 LOC114259213 LOC114259266 LOC114264726 LOC114266895 LOC114267438 LOC114269473 LOC114270006 LOC114270281 LOC114274537 LOC114277098 LOC114277977 LOC114283531 LOC114286565 LOC114286843 LOC114287160 LOC114288960 LOC114289836 LOC114290658 LOC114297329 LOC114299064 LOC114306375 LOC114308168 LOC114308381 LOC114309537 LOC114310075 LOC114312304 LOC114313053 LOC114314431 LOC114315494 LOC114317545 LOC114317813 LOC114317893 LOC114319301 LOC114320239 LOC114321491	http://amigo.eneontology.org/amigo/terms/GO:0003723
substrate-specific transporter activity	molecular_function	GO:0022892	37	818	0.959378	0.00503	0.668226	LOC114258544 LOC114262244 LOC114263009 LOC114264162 LOC114265556 LOC114266339 LOC114272558 LOC114272871 LOC114273587 LOC114274059 LOC114274649 LOC114274664 LOC114277067 LOC114277516 LOC114277736 LOC114283007 LOC114285744 LOC114288931 LOC114292904 LOC114294117 LOC114295821 LOC114296661 LOC114297160 LOC114299183 LOC114302756 LOC114303887 LOC114304834 LOC114306905 LOC114306907 LOC114308012 LOC114308169 LOC114309607 LOC114310246 LOC114310773 LOC114313302 LOC114319222 LOC114322718	http://amigo.eneontology.org/amigo/terms/GO:0022892
substrate-specific transmembrane	molecular_function	GO:0022891	32	771	0.880312	0.02653	0.668226	LOC114258544 LOC114262244 LOC114263009 LOC114264162 LOC114265556 LOC114272558 LOC114272871 LOC114273587 LOC114274059 LOC114274649 LOC114274664 LOC11	http://amigo.eneontology.org/amigo/terms/GO:0022891

transporter activity								4277067 LOC114277516 LOC114277736 LOC114283007 LOC114288931 LOC114292904 LOC114295821 LOC114296661 LOC114297160 LOC114299183 LOC114302756 LOC114303887 LOC114306905 LOC114306907 LOC114308012 LOC114308169 LOC114309607 LOC114310246 LOC114310773 LOC114319222 LOC114322718	rg/amigo/term/GO:0022891
cation transmembrane transporter activity	molecular _function	GO:0008324	20	461	0.920175	0.04792	0.713	LOC114258544 LOC114262244 LOC114265556 LOC114274649 LOC114274664 LOC114277516 LOC114277736 LOC114283007 LOC114292904 LOC114296661 LOC114297160 LOC114299183 LOC114302756 LOC114303887 LOC114306907 LOC114309607 LOC114310246 LOC114310773 LOC114319222 LOC114322718	http://amigo.geneontology.org/amigo/term/GO:0008324
inorganic cation transmembrane transporter activity	molecular _function	GO:0022890	19	425	0.948213	0.04134	0.713	LOC114258544 LOC114262244 LOC114265556 LOC114274649 LOC114274664 LOC114277516 LOC114283007 LOC114292904 LOC114296661 LOC114297160 LOC114299183 LOC114302756 LOC114303887 LOC114306907 LOC114309607 LOC114310246 LOC114310773 LOC114319222 LOC114322718	http://amigo.geneontology.org/amigo/term/GO:0022890
isomerase activity	molecular _function	GO:0016853	16	300	1.131201	0.01434	0.668226	LOC114259692 LOC114266421 LOC114274491 LOC114280052 LOC114283401 LOC114285812 LOC114287605 LOC114287642 LOC114294805 LOC114298900 LOC114299955 LOC114310628 LOC114313099 LOC114313822 LOC114314310 LOC114319071	http://amigo.geneontology.org/amigo/term/GO:0016853
metal ion transmembrane transporter activity	molecular _function	GO:0046873	14	212	1.400662	0.0036	0.668226	LOC114262244 LOC114265556 LOC114274649 LOC114274664 LOC114277516 LOC114283007 LOC114292904 LOC114302756 LOC114303887 LOC114306907 LOC114309607 LOC114310246 LOC114310773 LOC114322718	http://amigo.geneontology.org/amigo/term/GO:0046873

ubiquitin-protein transferase activity	molecular_function	GO:0004842	12	219	1.162193	0.02607	0.668226	LOC114265534 LOC114269751 LOC114273172 LOC114277058 LOC114282048 LOC114284071 LOC114285675 LOC114288717 LOC114290633 LOC114291848 LOC114299265 LOC114313589	http://amigo.geneontology.org/amigo/term/GO:0004842
ubiquitin-like protein transferase activity	molecular_function	GO:0019787	12	219	1.162193	0.02607	0.668226	LOC114265534 LOC114269751 LOC114273172 LOC114277058 LOC114282048 LOC114284071 LOC114285675 LOC114288717 LOC114290633 LOC114291848 LOC114299265 LOC114313589	http://amigo.geneontology.org/amigo/term/GO:0019787
exopeptidase activity	molecular_function	GO:0008238	11	153	1.524904	0.005	0.668226	LOC114256689 LOC114262111 LOC114262741 LOC114277669 LOC114278179 LOC114287726 LOC114292062 LOC114300669 LOC114305318 LOC114310949 LOC114314487	http://amigo.geneontology.org/amigo/term/GO:0008238
cytoskeletal protein binding	molecular_function	GO:0008092	11	209	1.116317	0.04126	0.713	LOC114260629 LOC114268986 LOC114272419 LOC114272676 LOC114275505 LOC114277245 LOC114294661 LOC114307019 LOC114308378 LOC114315282 LOC114322539	http://amigo.geneontology.org/amigo/term/GO:0008092
serine-type carboxypeptidase activity	molecular_function	GO:0004185	9	134	1.424554	0.01602	0.668226	LOC114256689 LOC114262111 LOC114262741 LOC114277669 LOC114278179 LOC114287726 LOC114300669 LOC114305318 LOC114314487	http://amigo.geneontology.org/amigo/term/GO:0004185

serine-type exopeptidase activity	molecular _function	GO:0070008	9	134	1.424554	0.01602	0.668226	LOC114256689 LOC114262111 LOC114262741 LOC114277669 LOC114278179 LOC114287726 LOC114300669 LOC114305318 LOC114314487	http://amigo.geneontology.org/amigo/term/GO:0070008
carboxypeptidase activity	molecular _function	GO:0004180	9	135	1.414002	0.01674	0.668226	LOC114256689 LOC114262111 LOC114262741 LOC114277669 LOC114278179 LOC114287726 LOC114300669 LOC114305318 LOC114314487	http://amigo.geneontology.org/amigo/term/GO:0004180
secondary active transmembrane transporter activity	molecular _function	GO:0015291	9	163	1.171106	0.04779	0.713	LOC114272558 LOC114272871 LOC114277516 LOC114279636 LOC114296661 LOC114297160 LOC114299183 LOC114306905 LOC114319222	http://amigo.geneontology.org/amigo/term/GO:0015291
potassium ion transmembrane transporter activity	molecular _function	GO:0015079	7	96	1.546565	0.02136	0.668226	LOC114274649 LOC114283007 LOC114302756 LOC114306907 LOC114309607 LOC114310246 LOC114310773	http://amigo.geneontology.org/amigo/term/GO:0015079
tubulin binding	molecular _function	GO:0015631	7	102	1.45559	0.02861	0.668226	LOC114260629 LOC114268986 LOC114277245 LOC114294661 LOC114308378 LOC114315282 LOC114322539	http://amigo.geneontology.org/amigo/term/GO:0015631

peptidyl-prolyl									http://amigo.geneontology.org/amigo/term/GO:0003755
cis-trans isomerase activity	molecular_function	GO:0003755	7	112	1.325627	0.0441	0.713	LOC114259692 LOC114266421 LOC114280052 LOC114283401 LOC114287642 LOC114313099 LOC114313822	
cis-trans isomerase activity	molecular_function	GO:0016859	7	112	1.325627	0.0441	0.713	LOC114259692 LOC114266421 LOC114280052 LOC114283401 LOC114287642 LOC114313099 LOC114313822	http://amigo.geneontology.org/amigo/term/GO:0016859
ubiquitin protein ligase activity	molecular_function	GO:0061630	6	69	1.84435	0.0147	0.668226	LOC114269751 LOC114273172 LOC114285675 LOC114288717 LOC114291848 LOC114299265	http://amigo.geneontology.org/amigo/term/GO:0061630
ubiquitin-like protein ligase activity	molecular_function	GO:0061659	6	69	1.84435	0.0147	0.668226	LOC114269751 LOC114273172 LOC114285675 LOC114288717 LOC114291848 LOC114299265	http://amigo.geneontology.org/amigo/term/GO:0061659
intramolecular transferase activity	molecular_function	GO:0016866	6	78	1.631541	0.02541	0.668226	LOC114285812 LOC114294805 LOC114299955 LOC114310628 LOC114314310 LOC114319071	http://amigo.geneontology.org/amigo/term/GO:0016866

voltage-gated potassium channel activity	molecular _function	GO:0005249	5	38	2.790793	0.00454	0.668226	LOC114274649 LOC114302756 LOC114306907 LOC114310246 LOC114310773	http://amigo.geneontology.org/amigo/term/GO:0005249
potassium channel activity	molecular _function	GO:0005267	5	43	2.466282	0.00774	0.668226	LOC114274649 LOC114302756 LOC114306907 LOC114310246 LOC114310773	http://amigo.geneontology.org/amigo/term/GO:0005267
protein transporter activity	molecular _function	GO:0008565	5	44	2.41023	0.00853	0.668226	LOC114266339 LOC114285744 LOC114294117 LOC114304834 LOC114313302	http://amigo.geneontology.org/amigo/term/GO:0008565
voltage-gated cation channel activity	molecular _function	GO:0022843	5	45	2.35667	0.00938	0.668226	LOC114274649 LOC114302756 LOC114306907 LOC114310246 LOC114310773	http://amigo.geneontology.org/amigo/term/GO:0022843
transferase activity, transferring pentosyl groups	molecular _function	GO:0016763	5	46	2.305438	0.01027	0.668226	LOC114261073 LOC114270291 LOC114283651 LOC114285167 LOC114293178	http://amigo.geneontology.org/amigo/term/GO:0016763

S-acyltransferase activity	molecular_function	GO:0016417	5	52	2.039426	0.01693	0.668226	LOC114258341 LOC114290818 LOC114290822 LOC114294075 LOC114295540	http://amigo.geneontology.org/amigo/term/GO:0016417
inorganic anion transmembrane transporter activity	molecular_function	GO:0015103	5	55	1.928184	0.02113	0.668226	LOC114272558 LOC114272871 LOC114274059 LOC114277067 LOC114306905	http://amigo.geneontology.org/amigo/term/GO:0015103
cation channel activity	molecular_function	GO:0005261	5	57	1.860529	0.02427	0.668226	LOC114274649 LOC114302756 LOC114306907 LOC114310246 LOC114310773	http://amigo.geneontology.org/amigo/term/GO:0005261
ligase activity, forming carbon-nitrogen bonds	molecular_function	GO:0016879	4	34	2.495297	0.01617	0.668226	LOC114279846 LOC114287012 LOC114296732 LOC114304702	http://amigo.geneontology.org/amigo/term/GO:0016879
protein heterodimerization activity	molecular_function	GO:0046982	4	40	2.121003	0.02785	0.668226	LOC114289658 LOC114291770 LOC114303971 LOC114304031	http://amigo.geneontology.org/amigo/term/GO:0046982

N-methyltransferase activity	molecular_function	GO:0008170	4	41	2.069271	0.03017	0.683467	LOC114293322 LOC114302063 LOC114310493 LOC114323269	http://amigo.geneontology.org/amigo/term/GO:0008170
palmitoyltransferase activity	molecular_function	GO:0016409	4	44	1.928184	0.03783	0.713	LOC114258341 LOC114290818 LOC114290822 LOC114295540	http://amigo.geneontology.org/amigo/term/GO:0016409
protein-cysteine S-palmitoyltransferase activity	molecular_function	GO:0019706	4	44	1.928184	0.03783	0.713	LOC114258341 LOC114290818 LOC114290822 LOC114295540	http://amigo.geneontology.org/amigo/term/GO:0019706
protein-cysteine S-acyltransferase activity	molecular_function	GO:0019707	4	44	1.928184	0.03783	0.713	LOC114258341 LOC114290818 LOC114290822 LOC114295540	http://amigo.geneontology.org/amigo/term/GO:0019707
nucleobase-containing compound transmembrane transporter activity	molecular_function	GO:0015932	4	48	1.767502	0.04961	0.713	LOC114263009 LOC114273587 LOC114288931 LOC114308012	http://amigo.geneontology.org/amigo/term/GO:0015932

carbohydrate derivative transporter activity	molecular_function	GO:1901505	4	48	1.767502	0.04961	0.713	LOC114263009 LOC114273587 LOC114288931 LOC114308012	http://amigo.geneontology.org/amigo/term/GO:1901505
ubiquitin conjugating enzyme activity	molecular_function	GO:0061631	3	14	4.545006	0.00691	0.668226	LOC114282048 LOC114284071 LOC114313589	http://amigo.geneontology.org/amigo/term/GO:0061631
ubiquitin-like protein conjugating enzyme activity	molecular_function	GO:0061650	3	14	4.545006	0.00691	0.668226	LOC114282048 LOC114284071 LOC114313589	http://amigo.geneontology.org/amigo/term/GO:0061650
pyruvate dehydrogenase activity	molecular_function	GO:0004738	3	21	3.030004	0.02174	0.668226	LOC114266618 LOC114288195 LOC114317106	http://amigo.geneontology.org/amigo/term/GO:0004738
pyruvate dehydrogenase (acetyl-transferring) activity	molecular_function	GO:0004739	3	21	3.030004	0.02174	0.668226	LOC114266618 LOC114288195 LOC114317106	http://amigo.geneontology.org/amigo/term/GO:0004739

secondary active sulfate transmembrane transporter activity	molecular_function	GO:0008271	3	23	2.766525	0.02775	0.668226	LOC114272558 LOC114272871 LOC114306905	http://amigo.geneontology.org/amigo/term/GO:0008271
sulfate transmembrane transporter activity	molecular_function	GO:0015116	3	23	2.766525	0.02775	0.668226	LOC114272558 LOC114272871 LOC114306905	http://amigo.geneontology.org/amigo/term/GO:0015116
histone methyltransferase activity	molecular_function	GO:0042054	3	23	2.766525	0.02775	0.668226	LOC114293322 LOC114302063 LOC114310493	http://amigo.geneontology.org/amigo/term/GO:0042054
phosphatase regulator activity	molecular_function	GO:0019208	3	26	2.447311	0.03824	0.713	LOC114260716 LOC114265969 LOC114292006	http://amigo.geneontology.org/amigo/term/GO:0019208
protein phosphatase regulator activity	molecular_function	GO:0019888	3	26	2.447311	0.03824	0.713	LOC114260716 LOC114265969 LOC114292006	http://amigo.geneontology.org/amigo/term/GO:0019888

sulfur compound									http://amigo.geneontology.org/amigo/term/GO:1901682
transmembrane transporter activity	molecular_function	GO:1901682	3	26	2.447311	0.03824	0.713	LOC114272558 LOC114272871 LOC114306905	
oxidoreductase activity, acting on the aldehyde or oxo group of donors, disulfide as acceptor	molecular_function	GO:0016624	3	27	2.35667	0.04212	0.713	LOC114266618 LOC114288195 LOC114317106	http://amigo.geneontology.org/amigo/term/GO:0016624
cysteine-type endopeptidase inhibitor activity	molecular_function	GO:0004869	3	28	2.272503	0.04619	0.713	LOC114274207 LOC114281078 LOC114301921	http://amigo.geneontology.org/amigo/term/GO:0004869
phosphoribosylformylglycinamidine synthase activity	molecular_function	GO:0004642	2	2	21.21003	0.00084	0.668226	LOC114287012 LOC114304702	http://amigo.geneontology.org/amigo/term/GO:0004642
S-methyl-5-thioribose kinase activity	molecular_function	GO:0046522	2	3	14.14002	0.00246	0.668226	LOC114321004 LOC114321594	http://amigo.geneontology.org/amigo/term/GO:0046522

aspartic endopeptidase activity, intramembrane cleaving carbon-nitrogen ligase activity, with glutamine as amido-N-donor	molecular_function	GO:0042500	2	4	10.60501	0.00482	0.668226	LOC114281818 LOC114295456	http://amigo.geneontology.org/amigo/term/GO:0042500
double-stranded RNA binding	molecular_function	GO:0003725	2	6	7.070009	0.0116	0.668226	LOC114256319 LOC114308168	http://amigo.geneontology.org/amigo/term/GO:0003725
RNA stem-loop binding	molecular_function	GO:0035613	2	8	5.302507	0.02084	0.668226	LOC114264726 LOC114299064	http://amigo.geneontology.org/amigo/term/GO:0035613
snRNA stem-loop binding	molecular_function	GO:0035614	2	8	5.302507	0.02084	0.668226	LOC114264726 LOC114299064	http://amigo.geneontology.org/amigo/term/GO:0035614

membrane insertase activity	molecular_function	GO:0032977	2	9	4.71334	0.02629	0.668226	LOC114294117 LOC114313302	http://amigo.geneontology.org/amigo/term/GO:0032977
D-aminoacyl-tRNA deacylase activity	molecular_function	GO:0051499	2	9	4.71334	0.02629	0.668226	LOC114263059 LOC114320565	http://amigo.geneontology.org/amigo/term/GO:0051499
omega peptidase activity	molecular_function	GO:0008242	2	11	3.856369	0.03866	0.713	LOC114292062 LOC114310949	http://amigo.geneontology.org/amigo/term/GO:0008242
snRNA binding	molecular_function	GO:0017069	2	11	3.856369	0.03866	0.713	LOC114264726 LOC114299064	http://amigo.geneontology.org/amigo/term/GO:0017069

Table S4: KEGG pathway enrichment list of different expression genes

Term	Database	ID	Input_number	Background_number	Rich_factor	P_Value	Corrected P_Value	Input
------	----------	----	--------------	-------------------	-------------	---------	-------------------	-------

Biosynthesis of amino acids	KEGG PATHWAY	ko01230	23	228	2.723932	1.23E-05	1	K01079:LOC114262904 K00891:LOC114305860 K00811:LOC114278611 K00872:LOC114264777 K00873:LOC114279530,LOC114303494 K01703:LOC114312831 K01647:LOC114272994,LOC114304692 K00134:LOC114265293,LOC114312375,LOC114293203 K01687:LOC114270240 K05359:LOC114285039 K00549:LOC114259972,LOC114263592,LOC114256414 K10206:LOC114278448 K01696:LOC114257089,LOC114268516 K15849:LOC114264149 K00948:LOC114308505,LOC114279491 K00826:LOC114261622 K01733:LOC114270957 K00615:LOC114256926 K01653:LOC114308780 K01738:LOC114309955,LOC114312771 K00800:LOC114262417 K00600:LOC114274060 K01803:LOC114290849
Carbon metabolism	KEGG PATHWAY	ko01200	23	342	1.815955	0.004217	0.392526	K01079:LOC114262904 K15919:LOC114314980,LOC114314982,LOC114270024,1fa930de-db9f-416e-9354-3f9eebe0e865 K00600:LOC114274060 K01602:LOC114258036 K01810:LOC114298900 K00873:LOC114279530,LOC114303494 K00626:LOC114287927,LOC114271198 K00261:LOC114319915 K00134:LOC114265293,LOC114312375,LOC114293203 K00051:LOC114322741 K01647:LOC114272994,LOC114304692 K01006:LOC114268500,LOC114258102 K00948:LOC114308505,LOC114279491 K01610:LOC114323464 K00615:LOC114256926 K01738:LOC114309955,LOC114312771 K01803:LOC114290849 K18121:LOC114301920 K00162:LOC114324001 K00029:LOC114296210,LOC114281724,LOC114288936 K00028:LOC114300619 K00025:LOC114274248 K00026:LOC114291262
Spliceosome	KEGG PATHWAY	ko03040	18	121	4.016894	4.52E-07	1	K12741:LOC114321862 K11097:LOC114279504 K11092:LOC114262225 K12834:LOC114289485 K12890:LOC114289352,LOC114289553 K12836:LOC114264907 K10599:LOC114323434 K12830:LOC114313044 K12823:LOC114315987 K12863:LOC114309224,LOC114310529,LOC114268005,LOC114301756 K03283:LOC114299320 K12848:LOC114305521,LOC114313882 K12812:LOC114284487 K12852:LOC114318113 K12869:LOC114266169,LOC114302931 K11088:LOC114299281 K12819:LOC114291228 K12818:LOC114268309
Plant hormone signal transduction	KEGG PATHWAY	ko04075	16	45	9.600874	2.26E-12	1	K14487:LOC114316026,LOC114295855,6c95dd1a-1cf9-4da4-b0ed-0f47c6669413 K13416:LOC114306732 K14504:LOC114279112 K14431:LOC114273443 K14500:LOC114297314 K14484:LOC114278388 K14497:LOC114274147,LOC114279611 K14488:LOC114293599,LOC114324111,LOC114259204,LOC114264369,LOC114276957 K14489:LOC114303850 K13464:LOC114283520,LOC114317541,LOC114319171,LOC114275107,LOC114275306,LOC114284698,LOC114275120 K12126:LOC114266873 K13449:LOC114301909,LOC114302248,LOC114256256,LOC114258858 K13422:LOC114266177,LOC114266

								457,LOC114277806 K13946:LOC114279578,LOC114289511 K14505:LOC114278610 K14516:LOC114260196,LOC114277384
Purine metabolism	KEGG PATHWAY	ko00230	16	269	1.606094	0.042195	1	K00856:LOC114269231 K00365:LOC114258180 K03026:LOC114304722,LOC114282663 K18532:LOC114269644 K11808:LOC114292370 K03006:LOC114318130 K01835:LOC114275532 K00948:LOC114308505,LOC114279491 K03011:LOC114256160,LOC114297242 K02325:LOC114291246,LOC114291245 K00764:LOC114307059 K00873:LOC114279530,LOC114303494 K00860:LOC114306667 K00940:LOC114256803 K01490:LOC114291284 K18151:LOC114284174
								K13416:LOC114306732 K13412:LOC114272449 K13448:LOC114286337,LOC114258987,LOC114264686,LOC114273484,LOC114281606,LOC114297997 K12795:LOC114258878 K00864:LOC114264896 K13420:LOC114309071 K13429:LOC114280263 K05391:LOC114302736,LOC114273051 K04368:LOC114322094 K13449:LOC114301909,LOC114302248,LOC114256256,LOC114258858 K13457:LOC114297666,LOC114299307,LOC114308410,LOC114316557,LOC114318670,LOC114319469,LOC114257295,LOC114262805,LOC114265731,LOC114269792,LOC114293409,LOC114295723,LOC114301675,LOC114304506,LOC114304501,LOC114297284,4aa7825b-1d20-466a-8bb3-5723fac4f10a K13459:LOC114307046,LOC114307116,LOC114318567,LOC114318584,LOC114318571,LOC114324024,LOC114278662,LOC114279959,LOC114283223,LOC114288092,LOC114299624 K13430:LOC114278869 K13424:LOC114305679,LOC114281649 K02183:LOC114314441
Plant-pathogen interaction	KEGG PATHWAY	ko04626	15	78	5.19278	1.35E-07	1	K03064:LOC114270085 K15979:LOC114286525,LOC114262801,LOC114264721 K03039:LOC114272623 K04730:LOC114263648 K03006:LOC114318130 K07936:LOC114288302 K03031:LOC114281469 K03026:LOC114304722,LOC114282663 K11838:LOC114316142,LOC114287669,LOC114314010,LOC114287686 K02206:LOC114257899,LOC114310342 K03035:LOC114299878 K03011:LOC114256160,LOC114297242 K03032:LOC114321610 K06630:LOC114321301 K03283:LOC114299320
Epstein-Barr virus infection	KEGG PATHWAY	ko05169	15	164	2.469737	0.001119	1	K01193:LOC114308954,LOC114318847 K00703:LOC114275517 K00847:LOC114277756,LOC114286711 K15920:LOC114281025 K08678:LOC114292694,LOC114306240,LOC114286559 K08679:LOC114298289 K16055:LOC114264315,LOC114291905 K01810:LOC114298900 K00688:LOC114309499,LOC114273215,LOC114287129 K01051:LOC114267683,LOC114300238 K01188:LOC114299631,LOC114308775,LOC114308776,LOC
Starch and sucrose metabolism	KEGG PATHWAY	ko00500	14	109	3.468205	4.73E-05	1	

								114262994,LOC114286568,LOC114260881 K05349:LOC114257730 K01835:LOC114275532 K00695:LOC114301859
Ubiquitin mediated proteolysis	KEGG PATHWAY	ko04120	13	125	2.808256	0.000722	1	K10581:LOC114260253 K10590:LOC114302232,LOC114302233 K03869:LOC114257677 K10579:LOC114307910 K10576:LOC114317210 K10589:LOC114282048 K10573:LOC114324051 K10599:LOC114323434 K04706:LOC114271266,LOC114271929 K03351:LOC114319643 K03347:LOC114258709,LOC114270403,LOC114297677 K12456:LOC114311559 K10610:LOC114276759
Protein processing in endoplasmic reticulum	KEGG PATHWAY	ko04141	13	140	2.507371	0.002054	1	K10636:LOC114303410,LOC114268447,LOC114291616 K13989:LOC114262516 K09523:LOC114287416 K07953:LOC114294629 K10666:LOC114280446 K10839:LOC114257002,LOC114274812,LOC114296331 K07342:LOC114320891 K13993:LOC114309274,LOC114273491,LOC114277783,LOC114285028,LOC114286642,LOC114296229 K03347:LOC114258709,LOC114270403,LOC114297677 K01456:LOC114275786,LOC114313061,LOC114303820 K13250:LOC114285734 K09580:LOC114315296 K03283:LOC114299320
Ribosome	KEGG PATHWAY	ko03010	13	143	2.454769	0.00248	0.820038	K02863:LOC114271524,LOC114278306,LOC114291232 K02923:LOC114310042 K02870:LOC114302116 K02927:LOC114317582 K02865:LOC114288416 K02930:LOC114259181 K02929:LOC114262416 K02916:LOC114296454 K02883:LOC114259082 K02958:LOC114304094 K02977:LOC114317886 K02971:LOC114304030 K02973:LOC114281237
Amino sugar and nucleotide sugar metabolism	KEGG PATHWAY	ko00520	13	149	2.355919	0.00355	1	K01810:LOC114298900 K01809:LOC114322407,LOC114322408 K01183:LOC114307937,LOC114261097,LOC114284838,LOC114308106,LOC114314739,LOC114264556,LOC114281381,LOC114299174,LOC114299172,LOC114280420 K00847:LOC114277756,LOC114286711 K15920:LOC114281025 K08678:LOC114292694,LOC114306240,LOC114286559 K08679:LOC114298289 K20547:LOC114277355 K01835:LOC114275532 K13379:LOC114286196 K12447:LOC114261735,LOC114268490,LOC114289465 K00326:LOC114257590 K17497:LOC114285978
Cysteine and methionine metabolism	KEGG PATHWAY	ko00270	12	96	3.375307	0.000212	0.863045	K01919:LOC114304004 K05933:LOC114306545 K17398:LOC114313021 K00026:LOC114291262 K00811:LOC114278611 K00827:LOC114272618,LOC114278956,LOC114281666 K00826:LOC114261622 K00025:LOC114274248 K01762:LOC114279312 K00558:LOC114280201,LOC114280170,LOC114281846 K01738:LOC114309955,LOC114312771 K00549:LOC114259972,LOC114263592,LOC114256414

alpha-Linolenic acid metabolism	KEGG PATHWAY	ko00592	11	23	12.91422	1.42E-10	1	K14674:LOC114288695 K05894:LOC114299110 K18857:LOC114289115,LOC114294197,LOC114295536,LOC114294194,LOC114295484,LOC114295535,LOC114303265 K08241:LOC114285352,LOC114288630,LOC114310687 K00232:LOC114278164 K16818:LOC114268993 K10525:LOC114307969 K01723:LOC114284385,16567ea8-18ff-4b9d-9be0-d3d443831db3 K10526:LOC114315234 K00454:LOC114306071,LOC114297089,LOC114301806,LOC114268573,LOC114268609,LOC114268614 K07513:LOC114311692,LOC114296765K00134:LOC114265293,LOC114312375,LOC114293203 K01006:LOC114268500,LOC114258102 K01803:LOC114290849 K00051:LOC114322741 K00029:LOC114296210,LOC114281724,LOC114288936 K01610:LOC114323464 K00615:LOC114256926 K00025:LOC114274248 K01602:LOC114258036 K00026:LOC114291262 K00028:LOC114300619K01006:LOC114268500,LOC114258102 K00051:LOC114322741 K00162:LOC114324001 K00128:LOC114288457 K00029:LOC114296210,LOC114281724,LOC114288936 K01610:LOC114323464 K00025:LOC114274248 K00873:LOC114279530,LOC114303494 K00026:LOC114291262 K00626:LOC114287927,LOC114271198 K00028:LOC114300619K00006:LOC114319093 K06130:LOC114258076,LOC114306377 K01115:LOC114282235 K15728:LOC114258297 K13508:LOC114297081 K16818:LOC114268993 K14156:LOC114305617 K00901:LOC114306457,LOC114310374,LOC114319787,LOC114319789,LOC114307491 K14674:LOC114288695 K13510:LOC114276796,LOC114295251 K00111:LOC114267008K00134:LOC114265293,LOC114312375,LOC114293203 K01835:LOC114275532 K00162:LOC114324001 K01803:LOC114290849 K18857:LOC114289115,LOC114294197,LOC114295536,LOC114294194,LOC114295484,LOC114295535,LOC114303265 K00128:LOC114288457 K01568:LOC114290152 K01610:LOC114323464 K01810:LOC114298900 K00873:LOC114279530,LOC114303494K06670:LOC114301225 K05868:LOC114322964,LOC114263101,LOC114281071 K02213:LOC114323874,LOC114257720,LOC114266712 K06632:LOC114303675 K03351:LOC114319643 K03347:LOC114258709,LOC114270403,LOC114297677 K02206:LOC114257899,LOC114310342 K12456:LOC114311559 K02607:LOC114283133 K06630:LOC114321301
Carbon fixation in photosynthetic organisms	KEGG PATHWAY	ko00710	11	36	8.250751	4.09E-08	1	
Pyruvate metabolism	KEGG PATHWAY	ko00620	11	96	3.094032	0.000816	1	
Glycerophospholipid metabolism	KEGG PATHWAY	ko00564	11	109	2.725019	0.002315	1	
Glycolysis / Gluconeogenesis	KEGG PATHWAY	ko00010	10	99	2.727521	0.003584	1	
Cell cycle	KEGG PATHWAY	ko04110	10	107	2.523594	0.006231	0.834662	

RNA transport	KEGG PATHWAY	ko03013	10	138	1.9567	0.032234	1	K14314:LOC114295603 K14305:LOC114265702 K14301:LOC114301439 K07936:LOC114288302 K12812:LOC114284487 K03260:LOC114315872 K14309:LOC114318068 K03262:LOC114267455 K14295:LOC114304544 K13126:LOC114306940,LOC114258291
Valine, leucine and isoleucine degradation	KEGG PATHWAY	ko00280	9	69	3.52206	0.000948	1	K07513:LOC114311692,LOC114296765 K05607:LOC114274138 K00166:LOC114285556,LOC114269315 K0128:LOC114288457 K00827:LOC114272618,LOC114278956,LOC114281666 K00826:LOC114261622 K01640:LOC114321188,LOC114282580 K01641:LOC114266569 K00626:LOC114287927,LOC114271198 K00679:LOC114276665,LOC114291097,d5684c0d-cc5b-4971-af85-8e9d162d0c3e K09480:LOC114271632 K07407:LOC114311280 K00864:LOC114264896 K15728:LOC114258297 K13508:LOC114297081 K00901:LOC114306457,LOC114310374,LOC114319787,LOC114319789,LOC114307491 K14674:LOC114288695 K00128:LOC114288457
Glycerolipid metabolism	KEGG PATHWAY	ko00561	9	77	3.156131	0.002082	1	K14442:LOC114299725,LOC114271986,LOC114272935 K07573:LOC114297661 K12602:LOC114323627 K12604:LOC114256935 K12616:LOC114288758 K12581:LOC114287602 K03681:LOC114268981 K04077:LOC114307220 K13126:LOC114306940,LOC114258291 K13065:LOC114269230,LOC114282251,LOC114300059,LOC114301942,723d88a3-43a5-40d8-a514-ba43e7340fcb K01188:LOC114299631,LOC114308775,LOC114308776,LOC114262994,LOC114286568,LOC114260881 K00083:LOC114319730,LOC114320204,LOC114320821,LOC114274262,LOC114320817 K01904:LOC114311490 K05349:LOC114257730 K00588:LOC114265165 K00430:LOC114305603,LOC114315272,LOC114318212,LOC114319657,LOC114322843,LOC114271792,LOC114272408,LOC114297627 K09753:LOC114284668
Phenylpropanoid biosynthesis	KEGG PATHWAY	ko00940	8	33	6.54605	2.03E-05	1	K12153:LOC114314197,LOC114272270,LOC114298652 K01687:LOC114270240 K00811:LOC114278611 K00826:LOC114261622 K01653:LOC114308780 K01703:LOC114312831 K01647:LOC114272994,LOC114304692 K11820:LOC114277696,LOC114277682 K01079:LOC114262904 K00276:LOC114307723,LOC114272241,LOC114294351,LOC114294345 K15919:LOC114314980,LOC114314982,LOC114270024,1fa930de-db9f-416e-9354-3f9eebe0e865 K01696:LOC114257089,LOC114268516 K00600:LOC114274060 K00827:LOC114272618,LOC114278956,LOC114281666 K01733:LOC114270957 K00872:LOC114264777
2-Oxocarboxylic acid metabolism	KEGG PATHWAY	ko01210	8	76	2.842364	0.006899	0.035547	
Glycine, serine and threonine metabolism	KEGG PATHWAY	ko00260	8	94	2.298081	0.023017	0.130559	

Glyoxylate and dicarboxylate metabolism	KEGG PATHWAY	ko00630	8	95	2.273891	0.024354	1	K15919:LOC114314980,LOC114314982,LOC114270024,1fa930de-db9f-416e-9354-3f9eebe0e865 K18121:LOC114301920 K00626:LOC114287927,LOC114271198 K00600:LOC114274060 K01602:LOC114258036 K00025:LOC114274248 K00026:LOC114291262 K01647:LOC114272994,LOC114304692
Proteasome	KEGG PATHWAY	ko03050	7	48	3.937858	0.001797	1	K03064:LOC114270085 K06699:LOC114283701 K03032:LOC114321610 K03039:LOC114272623 K03035:LOC114299878 K02736:LOC114319179 K03031:LOC114281469
Terpenoid backbone biosynthesis	KEGG PATHWAY	ko00900	7	53	3.566362	0.003211	1	K12742:LOC114281498,LOC114295355,LOC114295343 K01662:LOC114275769,LOC114303809,LOC114304411,92b343f9-0bb1-485a-858e-ef045559bc8a K00938:LOC114289308 K13789:LOC114313499,LOC114276125 K01641:LOC114266569 K00021:LOC114314342 K00626:LOC114287927,LOC114271198
mRNA surveillance pathway	KEGG PATHWAY	ko03015	7	59	3.203681	0.005881	0.024068	K06100:LOC114273442 K14376:LOC114279110,LOC114315352 K13917:LOC114318320,LOC114316576 K12812:LOC114284487 K11583:LOC114271751,LOC114308031,LOC114299429 K14396:LOC114256818 K13126:LOC114306940,LOC114258291
Aminoacyl-tRNA biosynthesis	KEGG PATHWAY	ko00970	7	63	3.000273	0.008411	0.406428	K04567:LOC114266854 K02435:LOC114313690 K01872:LOC114259588,LOC114312141,LOC114313307,LOC114314985,LOC114302657 K01874:LOC114263165 K01886:LOC114289917 K01887:LOC114319407,LOC114284754,LOC114317669,LOC114276329,LOC114277671,LOC114296057 K01868:LOC114256190
Oocyte meiosis	KEGG PATHWAY	ko04114	7	76	2.487068	0.022136	0.28711	K04368:LOC114322094 K03351:LOC114319643 K03347:LOC114258709,LOC114270403,LOC114297677 K02206:LOC114257899,LOC114310342 K12456:LOC114311559 K06630:LOC114321301 K02183:LOC114314441
Ribosome biogenesis in eukaryotes	KEGG PATHWAY	ko03008	7	82	2.305088	0.031952	1	K14571:LOC114298692,LOC114269391,LOC114269394,LOC114298687 K18532:LOC114269644 K14568:LOC114314251 K11883:LOC114306153 K14569:LOC114285688 K11129:LOC114276868 K07936:LOC114288302
Phosphatidylinositol signaling system	KEGG PATHWAY	ko04070	6	53	3.056882	0.013126	0.198119	K01106:LOC114317984 K05857:LOC114322371,LOC114283403 K00913:LOC114299547 K00901:LOC114306457,LOC114310374,LOC114319787,LOC114319789,LOC114307491 K02183:LOC114314441 K00888:LOC114280383
Citrate cycle (TCA cycle)	KEGG PATHWAY	ko00020	6	58	2.793358	0.019851	1	K00162:LOC114324001 K01648:LOC114273286,LOC114261649 K01610:LOC114323464 K00025:LOC114274248 K00026:LOC114291262 K01647:LOC114272994,LOC114304692

Alanine, aspartate and glutamate metabolism	KEGG PATHWAY	ko00250	6	67	2.41813	0.037201	1	K00261:LOC114319915 K13566:LOC114257299 K00278:LOC114277264 K00811:LOC114278611 K00827:LO C114272618,LOC114278956,LOC114281666 K00764:LOC114307059
Tyrosine metabolism	KEGG PATHWAY	ko00350	6	69	2.34804	0.042057	0.415398	K00276:LOC114307723,LOC114272241,LOC114294351,LOC114294345 K15849:LOC114264149 K18857:LO C114289115,LOC114294197,LOC114295536,LOC114294194,LOC114295484,LOC114295535,LOC114303265 K00811:LOC114278611 K01555:LOC114278049 K00422:LOC114323507
Fatty acid metabolism	KEGG PATHWAY	ko01212	6	70	2.314496	0.044628	1	K10781:LOC114264136,7df55266-787a-4fce-8487- e70494f053b8 K00232:LOC114278164 K07513:LOC114311692,LOC114296765 K00626:LOC114287927,LOC 114271198 K10251:LOC114314741,LOC114298494,LOC114314740 K09458:LOC114287203
Cutin, suberine and wax biosynthesis	KEGG PATHWAY	ko00073	5	12	11.25102	4.34E-05	1	K13407:LOC114271897,LOC114272873 K15401:LOC114323827 K15400:LOC114319705,LOC114285233,LO C114304718 K15403:LOC114319519 K15402:LOC114294575
Protein export	KEGG PATHWAY	ko03060	5	39	3.461853	0.01388	1	K03107:LOC114287583 K03217:LOC114278137 K12948:LOC114290455 K03109:LOC114321491 K07342:LO C114320891
Fatty acid degradation	KEGG PATHWAY	ko00071	5	53	2.547402	0.045606	1	K00128:LOC114288457 K00232:LOC114278164 K07513:LOC114311692,LOC114296765 K00626:LOC11428 7927,LOC114271198 K18857:LOC114289115,LOC114294197,LOC114295536,LOC114294194,LOC11429548 4,LOC114295535,LOC114303265
Valine, leucine and isoleucine biosynthesis	KEGG PATHWAY	ko00290	4	17	6.353519	0.003005	0.883748	K01687:LOC114270240 K01653:LOC114308780 K00826:LOC114261622 K01703:LOC114312831
Cyanoamino acid metabolism	KEGG PATHWAY	ko00460	4	32	3.375307	0.029382	0.675723	K01188:LOC114299631,LOC114308775,LOC114308776,LOC114262994,LOC114286568,LOC114260881 K05 349:LOC114257730 K12153:LOC114314197,LOC114272270,LOC114298652 K00600:LOC114274060
Pantothenate and CoA biosynthesis	KEGG PATHWAY	ko00770	4	36	3.000273	0.042923	1	K01922:LOC114260205 K01653:LOC114308780 K00826:LOC114261622 K01687:LOC114270240

Synthesis and degradation of ketone bodies	KEGG PATHWAY	ko00072	3	8	10.12592	0.002457	1	K01640:LOC114321188,LOC114282580 K01641:LOC114266569 K00626:LOC114287927,LOC114271198
Collecting duct acid secretion	KEGG PATHWAY	ko04966	3	17	4.765139	0.023295	2.14E-08	K02148:LOC114290767,LOC114302706 K02155:LOC114314998 K02154:LOC114268841
Zeatin biosynthesis	KEGG PATHWAY	ko00908	2	8	6.750614	0.033037	0.035547	K13495:LOC114322307,LOC114322295,LOC114299751 K00279:LOC114256695,LOC114292569,LOC114295033

Table S5: Differentially expressed genes in plant hormone signal transduction pathway

Geneid	logFC	KEGG_Orthology	Pathway_ID	Orthology	Pathway	KEGG_Orthology_Web	Pathway_Web
LOC114275120	8.56008	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114306732	5.723127	K13416	ko04075	BAK1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13416	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114283520	5.701988	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114275306	5.062557	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114275107	4.931732	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114295855	4.39054	K14487	ko04075	GH3	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14487	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114316026	4.249566	K14487	ko04075	GH3	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14487	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114289511	3.505667	K13946	ko04075	AUX1, LAX	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13946	https://www.kegg.jp/kegg-bin/show_pathway?ko04075

LOC114301909	3.355596	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114277806	3.263819	K13422	ko04075	MYC2	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13422	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114319171	3.110549	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114278610	2.882361	K14505	ko04075	CYCD3	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14505	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114266873	2.853596	K12126	ko04075	PIF3	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K12126	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114277384	2.834297	K14516	ko04075	ERF1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14516	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114264369	2.598182	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114266177	2.328514	K13422	ko04075	MYC2	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13422	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114258858	2.243562	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114324111	2.167538	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114278388	1.840358	K14484	ko04075	IAA	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14484	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114276957	1.741056	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114256256	1.652046	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075

LOC114266457	1.529484	K13422	ko04075	MYC2	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13422	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114302248	1.420034	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114293599	1.400265	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114297314	1.387237	K14500	ko04075	BSK	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14500	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114260196	1.382652	K14516	ko04075	ERF1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14516	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114259204	1.309536	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114274147	1.170668	K14497	ko04075	PP2C	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14497	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114279578	1.16834	K13946	ko04075	AUX1, LAX	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13946	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114279112	1.157483	K14504	ko04075	TCH4	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14504	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114273443	1.1163	K14431	ko04075	TGA	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14431	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114317541	1.109925	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114284698	1.079462	K13464	ko04075	JAZ	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13464	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114303850	1.035878	K14489	ko04075	AHK2_3_4	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14489	https://www.kegg.jp/kegg-bin/show_pathway?ko04075

LOC114279611	1.008161	K14497	ko04075	PP2C	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14497	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114322511	-1.11253	K14432	ko04075	ABF	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14432	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114301147	-1.22601	K14432	ko04075	ABF	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14432	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114266460	-1.37406	K14488	ko04075	SAUR	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14488	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114300415	-1.39405	K14496	ko04075	PYL	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14496	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114307146	-1.41649	K14432	ko04075	ABF	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14432	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114316945	-1.43667	K14489	ko04075	AHK2_3_4	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14489	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114276512	-1.6107	K14484	ko04075	IAA	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14484	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114277121	-1.62715	K14484	ko04075	IAA	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14484	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114307248	-2.08454	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114269318	-3.13001	K14491	ko04075	ARR-B	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14491	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114271432	-3.70481	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
LOC114258874	-4.77865	K13449	ko04075	PR1	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K13449	https://www.kegg.jp/kegg-bin/show_pathway?ko04075

LOC114290140	-8.06801	K14497	ko04075	PP2C	Plant hormone signal transduction	https://www.genome.jp/dbget-bin/www_bget?ko:K14497	https://www.kegg.jp/kegg-bin/show_pathway?ko04075
--------------	----------	--------	---------	------	-----------------------------------	---	---

Table S6: Differentially expressed genes in alpha-Linolenic acid metabolism pathway

Geneid	logFC	KEGG_Orthology	Pathway_ID	Orthology	Pathway	KEGG_Orthology_Web	Pathway_Web
LOC114268993	5.830466	K16818	ko00592	DAD1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K16818	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114311692	4.142333	K07513	ko00592	ACAA1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K07513	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114289115	3.593207	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114303265	3.259537	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114306071	2.609358	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114307969	2.507439	K10525	ko00592	AOC	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K10525	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114295535	2.323325	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114288630	1.862125	K08241	ko00592	E2.1.1.141	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K08241	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114278164	1.832763	K00232	ko00592	E1.3.3.6, ACOX1, ACOX3	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00232	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114268614	1.744167	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592

LOC114294194	1.719761	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114294197	1.689836	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114301806	1.601199	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114310687	1.597953	K08241	ko00592	E2.1.1.141	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K08241	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114268573	1.574279	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114268609	1.451754	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114295484	1.410156	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114296765	1.362004	K07513	ko00592	ACAA1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K07513	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114284385	1.349019	K01723	ko00592	AOS	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K01723	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114297089	1.243625	K00454	ko00592	LOX2S	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K00454	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114299110	1.199145	K05894	ko00592	OPR	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K05894	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114315234	1.139222	K10526	ko00592	OPCL1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K10526	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114295536	1.106409	K18857	ko00592	ADH1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K18857	https://www.kegg.jp/kegg-bin/show_pathway?ko00592

LOC114285352	1.069244	K08241	ko00592	E2.1.1.141	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K08241	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114288695	1.034942	K14674	ko00592	TGL4	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K14674	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
LOC114305700	-1.65981	K07513	ko00592	ACAA1	alpha-Linolenic acid metabolism	https://www.genome.jp/dbget-bin/www_bget?ko:K07513	https://www.kegg.jp/kegg-bin/show_pathway?ko00592
