

Prosaposin activates the androgen receptor and potentiates resistance to endocrine treatment in breast cancer.

AUTHOR(S)

Azlina Ali, Laura Creevey, Yuan Hao, Damian McCartan, Peadar O'Gaora, Arnold Hill, Leonie Young, Marie McIlroy

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test_id	gene_id	gene	locus	value_1	value_2	ln.fold_cha	test_stat	p_value	q_value	significant	q1_FPKM	q1_conf_lo	q1_conf_hi	q2_FPKM	q2_conf_lo	q2_conf_hi
ENSG00000248399	ENSG00000248399	RP11-503N18.4	4:2420700	7.445	0.012	-6.456	11.522	0	0	yes	7.44544	0	15.7793	0.0116921	0.011048	0.012337
ENSG00000169314	ENSG00000169314	C22orf15	22:2410521	14.526	0.025	-6.354	47.898	0	0	yes	14.5263	11.0916	17.961	0.0252643	0.022223	0.028306
ENSG00000223692	ENSG00000223692	DIP2A-IT1	21:478788	0.615	0.003	-5.432	6.58	0	0	yes	0.615422	0	1.63085	0.00269305	0.002544	0.002842
ENSG00000258790	ENSG00000258790	RP11-561B11.2	14:355141	0.251	0.001	-5.305	16.465	0	0	yes	0.250977	0.0897284	0.412225	0.00124626	0.001184	0.001309
ENSG00000258657	ENSG00000258657	RP11-104E19.1	14:250649	0.338	0.002	-5.039	4.92	0	0	yes	0.337772	0	0.838304	0.00218794	0	0.005283
ENSG00000207783	ENSG00000207783	MIR564	3:4480320	302.5	2.28	-4.888	12.253	0	0	yes	302.5	64.6701	540.33	2.28012	1.97055	2.58969
ENSG00000240758	ENSG00000240758	RP11-155G14.5	7:1280958	14.938	0.145	-4.637	31.462	0	0	yes	14.9376	10.7281	19.1471	0.144725	0.13222	0.157231
ENSG00000125848	ENSG00000125848	FLRT3	20:138298	0.864	0.01	-4.426	3.986	0	0.001	yes	0.863568	0	2.75647	0.010335	0.006681	0.013989
ENSG00000174564	ENSG00000174564	IL20RB	3:1365810	10.307	0.174	-4.082	8.71	0	0	yes	10.307	8.62059	11.9933	0.173962	0.013423	0.334501
ENSG00000233927	ENSG00000233927	RPS28	19:838638	229.943	4.919	-3.845	13.736	0	0	yes	229.943	197.971	261.914	4.91892	2.25163	7.58622
ENSG00000171056	ENSG00000171056	SOX7	8:1058127	0.362	0.008	-3.835	9.332	0	0	yes	0.362295	0.0753251	0.649264	0.00782442	0.006107	0.009542
ENSG00000256804	ENSG00000256804	RP13-977J11.5	12:132568	3.048	0.084	-3.592	6.566	0	0	yes	3.04824	0	6.35748	0.0839903	0.072587	0.095394
ENSG00000204311	ENSG00000204311	DFNB59	2:1792786	4.311	0.12	-3.582	4.2	0	0.001	yes	4.31108	2.36436	6.25781	0.119922	0	0.31716
ENSG00000125245	ENSG00000125245	GPR18	13:998530	3.602	0.101	-3.573	3.86	0	0.002	yes	3.60199	2.53487	4.6691	0.101066	0	0.285763
ENSG00000149380	ENSG00000149380	P4HA3	11:737237	0.09	0.003	-3.489	4.619	0	0	yes	0.0901365	0	0.226221	0.002752	0.002608	0.002896
ENSG00000133808	ENSG00000133808	MICALCL	11:122976	5.722	0.184	-3.435	6.113	0	0	yes	5.72228	1.82795	9.61661	0.184348	0.019462	0.349233
ENSG00000100385	ENSG00000100385	IL2RB	22:375151	2.847	0.098	-3.371	3.512	0	0.008	yes	2.84711	0	7.39999	0.0977709	0	0.201623
ENSG00000254827	ENSG00000254827	SLC22A18AS	11:290900	23.618	0.839	-3.337	6.473	0	0	yes	23.6183	19.2936	27.943	0.8392	0	1.69075
ENSG00000250251	ENSG00000250251	PKD1P6	16:150685	24.63	0.884	-3.327	6.459	0	0	yes	24.6301	19.3329	29.9273	0.884398	0	1.77541
ENSG00000182177	ENSG00000182177	ASB18	2:2370738	6.251	0.226	-3.318	5.025	0	0	yes	6.25121	4.17993	8.32249	0.226494	0	0.516015
ENSG00000112182	ENSG00000112182	BACH2	6:9063624	5.044	0.185	-3.307	5.708	0	0	yes	5.04438	1.24759	8.84118	0.184819	0.022033	0.347605
ENSG00000101082	ENSG00000101082	SLA2	20:352341	4.083	0.16	-3.241	5.107	0	0	yes	4.08261	3.24966	4.91556	0.159721	0	0.3598
ENSG00000214184	ENSG00000214184	AC012487.2	2:1090650	24.198	0.98	-3.207	5.706	0	0	yes	24.198	19.1795	29.2165	0.979511	0	2.06172
ENSG00000234925	ENSG00000234925	RP11-254B13.3	12:690046	6.147	0.256	-3.178	11.934	0	0	yes	6.14738	3.22737	9.0674	0.256257	0.194557	0.317956
ENSG00000137210	ENSG00000137210	TMEM14B	6:1074797	6.81	0.286	-3.171	9.147	0	0	yes	6.80978	2.78398	10.8356	0.285683	0.182154	0.389212
ENSG00000226312	ENSG00000226312	CFLAR-AS1	2:2019808	8.63	0.375	-3.136	3.965	0	0.002	yes	8.62961	0	17.4233	0.375152	0	0.828907
ENSG00000241790	ENSG00000241790	ENO1P4	2:2024849	1.312	0.058	-3.122	13.898	0	0	yes	1.3122	0.751951	1.87245	0.0578067	0.049712	0.065901
ENSG00000235910	ENSG00000235910	AP006216.12	11:116706	0.128	0.006	-3.117	40.688	0	0	yes	0.128288	0.115394	0.141181	0.00568023	0.005023	0.006337
ENSG00000244122	ENSG00000244122	UGT1A7	2:2345262	5.092	0.23	-3.096	6.488	0	0	yes	5.09177	4.03585	6.14768	0.230352	0.015774	0.444929
ENSG00000234036	ENSG00000234036	RP11-123J14.2	4:7787085	139.457	6.779	-3.024	7.902	0	0	yes	139.457	116.376	162.538	6.77888	1.71339	11.8444
ENSG00000258725	ENSG00000258725	AC068831.8	15:915092	2.639	0.129	-3.022	3.578	0	0.006	yes	2.63857	1.05682	4.22032	0.128563	0	0.33159
ENSG00000155962	ENSG00000155962	CLIC2	X:1545054	3.151	0.159	-2.987	5.081	0	0	yes	3.15067	1.41478	4.88655	0.158953	0	0.324033
ENSG00000178796	ENSG00000178796	RIIAD1	1:1516735	18.002	0.926	-2.967	16.093	0	0	yes	18.0017	12.8089	23.1945	0.926428	0.713673	1.13918
ENSG00000174527	ENSG00000174527	MYO1H	12:109826	1.44	0.075	-2.957	5.737	0	0	yes	1.43952	0	2.92205	0.0748325	0.071599	0.078066
ENSG00000228925	ENSG00000228925	AC016722.4	2:4712641	0.272	0.015	-2.92	6.315	0	0	yes	0.271946	0.0208325	0.52306	0.0146735	0.013961	0.015386
ENSG00000249119	ENSG00000249119	MTND6P4	5:1342405	0.568	0.031	-2.912	4.004	0	0.001	yes	0.567641	0	1.38721	0.0308725	0.025457	0.036288
ENSG00000143627	ENSG00000143627	PKLR	1:1552326	0.349	0.02	-2.884	6.702	0	0	yes	0.349047	0.0494582	0.648636	0.0195231	0.018311	0.020735
ENSG00000258509	ENSG00000258509	RP11-857B24.3	14:453460	30.421	1.747	-2.857	3.756	0	0.003	yes	30.4206	20.1423	40.699	1.74656	0	4.33766
ENSG00000151117	ENSG00000151117	TMEM86A	11:187146	4.276	0.253	-2.826	4.148	0	0.001	yes	4.27584	0	9.14331	0.253346	0.063645	0.443046
ENSG00000137101	ENSG00000137101	CD72	9:3560528	6.586	0.395	-2.814	3.739	0	0.004	yes	6.58604	5.24258	7.92949	0.394945	0	0.983918
ENSG00000103023	ENSG00000103023	PRSS54	16:582838	2.957	0.18	-2.798	3.82	0	0.003	yes	2.95661	2.0841	3.82911	0.180117	0	0.43861
ENSG00000214597	ENSG00000214597	GS1-393G12.10	8:1455758	5.081	0.333	-2.726	6.036	0	0	yes	5.08064	3.34341	6.81787	0.332689	0.054542	0.610836
ENSG00000090530	ENSG00000090530	LEPREL1	3:1896745	2.702	0.178	-2.72	5.45	0	0	yes	2.70206	1.08222	4.3219	0.177942	0.035891	0.319993
ENSG00000169184	ENSG00000169184	MN1	22:281442	3.244	0.228	-2.655	6.335	0	0	yes	3.2435	1.06119	5.42582	0.227976	0.113988	0.341963
ENSG00000256028	ENSG00000256028	RP11-197N18.4	12:123405	0.965	0.068	-2.65	5.194	0	0	yes	0.965272	0.723595	1.20695	0.0681775	0.000722	0.135633
ENSG00000229951	ENSG00000229951	AC104695.3	2:2860727	4.253	0.303	-2.64	7.084	0	0	yes	4.25331	3.47754	5.02908	0.303433	0.084135	0.522731
ENSG00000178836	ENSG00000178836	AC114812.5	2:2345262	0.001	0	-2.588	37.18	0	0	yes	0.000645009	0.0005833	0.000706719	4.85E-05	4.36E-05	5.34E-05
ENSG00000245281	ENSG00000245281	CTD-2547L16.1	8:1791393	1.169	0.088	-2.585	6.396	0	0	yes	1.16921	0.22709	2.11133	0.088175	0.082601	0.093749
ENSG00000253213	ENSG00000253213	RP11-546B8.3	5:1702888	0.028	0.002	-2.556	25.109	0	0	yes	0.0283536	0.0242823	0.032425	0.00220047	0.001883	0.002518

ENSG00000164621	ENSG00000164621	SMAD5-AS1	5:1354651	0.018	0.001	-2.526	39.234	0	0 yes	0.0179531	0.0163846	0.0195217	0.00143569	0.0013	0.001572
ENSG00000151743	ENSG00000151743	AMN1	12:318000	13.765	1.123	-2.506	7.436	0	0 yes	13.7649	9.38501	18.1448	1.1229	0.455577	1.79023
ENSG00000224437	ENSG00000224437	RP11-161E22.2	9:7314994	3.129	0.261	-2.483	5.8	0	0 yes	3.12938	1.32263	4.93612	0.261175	0.095993	0.426357
ENSG00000070601	ENSG00000070601	FRMPD1	9:3751088	0.055	0.005	-2.469	5.865	0	0 yes	0.0549545	0.00872542	0.101184	0.00465102	0.004471	0.004831
ENSG00000255905	ENSG00000255905	AL391319.1	6:1688418	0.047	0.004	-2.46	15.107	0	0 yes	0.0470497	0.036395	0.0577044	0.00401902	0.003078	0.00496
ENSG00000104976	ENSG00000104976	SNAPC2	19:798519	393.498	34.137	-2.445	4.413	0	0 yes	393.498	0	826.025	34.1372	29.3828	38.8916
ENSG00000175892	ENSG00000175892	AC009336.1	2:1769863	0.423	0.037	-2.439	6.238	0	0 yes	0.422905	0.103128	0.742682	0.0369142	0.029568	0.044261
ENSG00000237779	ENSG00000237779	ZNF638-IT1	2:7150369	0.722	0.064	-2.422	5.28	0	0 yes	0.722333	0.0608015	1.38386	0.0641116	0.060744	0.067479
ENSG00000160844	ENSG00000160844	GATS	7:9977518	1.514	0.135	-2.414	4.2	0	0.001 yes	1.51418	1.03823	1.99013	0.135487	0	0.285275
ENSG00000206874	ENSG00000206874	SNORD26	11:626194	316.353	28.919	-2.392	4.047	0	0.001 yes	316.353	0	689.155	28.9186	26.1295	31.7078
ENSG00000226055	ENSG00000226055	PAICSP1	9:3751088	0.436	0.04	-2.379	5.156	0	0 yes	0.435887	0.0340191	0.837755	0.0403932	0.03883	0.041957
ENSG00000162643	ENSG00000162643	WDR63	1:8546482	0.331	0.031	-2.36	11.254	0	0 yes	0.331315	0.227287	0.435344	0.0312811	0.022584	0.039979
ENSG00000230165	ENSG00000230165	CTB-1144G6.5	10:115999	7.864	0.754	-2.345	4.621	0	0 yes	7.86361	3.12149	12.6057	0.753668	0.138301	1.36903
ENSG00000237317	ENSG00000237317	RP4-809F4.1	1:1740844	0.996	0.096	-2.34	6.267	0	0 yes	0.996419	0.27848	1.71436	0.09599	0.077165	0.114815
ENSG00000111780	ENSG00000111780	GATC	12:120875	16.285	1.571	-2.338	5.138	0	0 yes	16.2847	12.0873	20.482	1.57116	0.199486	2.94284
ENSG00000244723	ENSG00000244723	ASLP1	22:239506	0.218	0.022	-2.28	26.344	0	0 yes	0.217937	0.191262	0.244613	0.0222906	0.019562	0.025019
ENSG00000235939	ENSG00000235939	RP11-123B3.2	10:506273	1.754	0.18	-2.274	4.687	0	0 yes	1.75362	0.0654733	3.44177	0.18044	0.158518	0.202361
ENSG00000124920	ENSG00000124920	C11orf9	11:614479	6.545	0.682	-2.261	5.071	0	0 yes	6.54518	5.70639	7.38397	0.682177	0.080161	1.28419
ENSG00000136842	ENSG00000136842	TMOD1	9:1002634	4.629	0.484	-2.258	7.558	0	0 yes	4.62912	3.82934	5.42889	0.484214	0.207318	0.761111
ENSG00000228172	ENSG00000228172	RP1-317E23.3	1:2612666	10.216	1.074	-2.253	3.664	0	0.005 yes	10.216	6.24467	14.1874	1.07391	0	2.32683
ENSG00000240038	ENSG00000240038	AMY2B	1:1040683	5.695	0.599	-2.251	3.907	0	0.002 yes	5.69469	2.51115	8.87822	0.59947	0	1.20366
ENSG00000149089	ENSG00000149089	APIP	11:348746	13.39	1.465	-2.213	7.268	0	0 yes	13.3902	11.048	15.7324	1.46468	0.610332	2.31902
ENSG00000140009	ENSG00000140009	ESR2	14:643196	0.788	0.09	-2.17	6.142	0	0 yes	0.787721	0.41898	1.15646	0.0899757	0.042363	0.137588
ENSG00000214050	ENSG00000214050	FBXO16	8:2820310	20.786	2.379	-2.168	6.89	0	0 yes	20.7858	15.9272	25.6444	2.37908	0.989211	3.76895
ENSG00000120068	ENSG00000120068	HOXB8	17:466845	0.555	0.064	-2.154	11.432	0	0 yes	0.554991	0.375949	0.734033	0.0643983	0.051859	0.076937
ENSG00000253256	ENSG00000253256	CTB-11122.1	5:1585844	0.085	0.01	-2.145	24.853	0	0 yes	0.0845695	0.07414	0.0949991	0.00989616	0.0087	0.011092
ENSG00000139626	ENSG00000139626	ITGB7	12:535851	7.422	0.881	-2.131	6.777	0	0 yes	7.42219	4.52156	10.3228	0.881039	0.446925	1.31515
ENSG00000233547	ENSG00000233547	RP11-57H14.2	10:114710	0.293	0.035	-2.124	27.256	0	0 yes	0.292525	0.262552	0.322498	0.0349714	0.030864	0.039079
ENSG00000099958	ENSG00000099958	DERL3	22:241291	1.443	0.174	-2.117	3.524	0	0.008 yes	1.44348	0.329431	2.55753	0.173812	0.013794	0.333831
ENSG00000250604	ENSG00000250604	RP11-597D13.8	4:1590456	3.931	0.493	-2.077	5.391	0	0 yes	3.93124	0.91327	6.94921	0.492775	0.460544	0.525006
ENSG00000220739	ENSG00000220739	RP11-277I20.3	6:1446068	1.697	0.213	-2.076	3.683	0	0.004 yes	1.69744	0	3.60712	0.212815	0.196234	0.229395
ENSG00000228775	ENSG00000228775	RP5-894A10.5	7:1414041	12.069	1.526	-2.068	6.327	0	0 yes	12.0694	10.0148	14.124	1.52574	0.562603	2.48887
ENSG00000258232	ENSG00000258232	RP11-161H23.5	12:495785	6.075	0.783	-2.049	3.642	0	0.005 yes	6.0752	3.86754	8.28285	0.782994	0	1.61684
ENSG00000235681	ENSG00000235681	AC008746.5	19:549559	9.122	1.243	-1.993	3.881	0	0.002 yes	9.12152	0	18.4835	1.2429	1.19272	1.29308
ENSG00000235529	ENSG00000235529	AGAP1-IT1	2:2364027	1.628	0.222	-1.992	5.578	0	0 yes	1.628	0.472879	2.78312	0.222202	0.204483	0.239922
ENSG00000164129	ENSG00000164129	NPY5R	4:1642451	3.679	0.503	-1.991	4.559	0	0 yes	3.67878	2.66747	4.69009	0.502546	0.085965	0.919127
ENSG00000184669	ENSG00000184669	RP11-466H18.2	11:167998	6.594	0.902	-1.99	3.589	0	0.006 yes	6.59384	1.29453	11.8932	0.901762	0.213245	1.59028
ENSG00000226363	ENSG00000226363	AC009336.24	2:1769863	0.807	0.115	-1.952	5.265	0	0 yes	0.806851	0.230583	1.38312	0.1146	0.091794	0.137406
ENSG00000248930	ENSG00000248930	CTC-250P20.1-001	5:7225180	1.084	0.155	-1.948	4.009	0	0.001 yes	1.08448	0.042193	2.12676	0.154624	0.132479	0.17677
ENSG00000164241	ENSG00000164241	AC004507.1	5:1263782	6.496	0.94	-1.933	4.045	0	0.001 yes	6.49591	2.33663	10.6552	0.939593	0.27248	1.60671
ENSG00000254140	ENSG00000254140	RP11-731F5.1	14:106064	1.735	0.257	-1.91	3.642	0	0.005 yes	1.73525	0.319154	3.15134	0.257064	0.087816	0.426313
ENSG00000168028	ENSG00000168028	RPSA	3:3944817	108.764	16.116	-1.909	12.332	0	0 yes	108.764	96.1954	121.333	16.1156	11.4858	20.7454
ENSG00000241762	ENSG00000241762	AC002314.3	19:361954	1.166	0.175	-1.899	4.108	0	0.001 yes	1.16571	0.215626	2.1158	0.174551	0.098371	0.250732
ENSG00000255282	ENSG00000255282	RP11-725K16.4	11:102617	2.15	0.328	-1.88	3.918	0	0.002 yes	2.14966	0.722497	3.57682	0.328062	0.100775	0.555349
ENSG00000145040	ENSG00000145040	UCN2	3:4855511	0.074	0.011	-1.873	17.881	0	0 yes	0.0743972	0.0636025	0.0851919	0.0114275	0.0097	0.013155
ENSG00000232626	ENSG00000232626	RP11-175B9.2	1:2023178	2.971	0.459	-1.867	3.608	0	0.006 yes	2.97148	1.89502	4.04795	0.459477	0.01413	0.904823
ENSG00000119703	ENSG00000119703	FAM164C	14:755199	10.295	1.634	-1.841	4.747	0	0 yes	10.2951	7.32895	13.2612	1.63419	0.457685	2.81069
ENSG00000226746	ENSG00000226746	SMCR5	17:175847	0.203	0.033	-1.818	4.331	0	0 yes	0.203313	0.032611	0.374014	0.0329964	0.03244	0.033553
ENSG00000110719	ENSG00000110719	TCIRG1	11:678064	303.607	50.932	-1.785	10.184	0	0 yes	303.607	252.907	354.308	50.9323	35.2305	66.6341
ENSG00000223534	ENSG00000223534	HLA-DQB1-AS1	6:3262724	0.27	0.046	-1.778	23.65	0	0 yes	0.269941	0.242946	0.296935	0.0455955	0.040474	0.050717

ENSG00000180385	ENSG00000180385	AC034193.5	3:10004220	36.92	6.395	-1.753	9.842	0	0	yes	36.9198	30.161	43.6786	6.39469	4.44025	8.34914
ENSG00000124279	ENSG00000124279	FASTKD3	5:7830490	8.195	1.429	-1.746	5.202	0	0	yes	8.19503	6.39848	9.99158	1.42942	0.522344	2.3365
ENSG00000230371	ENSG00000230371	KARSP2	13:113777	0.029	0.005	-1.735	3.964	0	0.002	yes	0.0294834	0.0142582	0.0447085	0.00519893	0.001523	0.008875
ENSG00000164053	ENSG00000164053	ATRIP	3:4848811	13.15	2.36	-1.718	10.74	0	0	yes	13.1496	10.9684	15.3307	2.36011	1.71465	3.00558
ENSG00000139974	ENSG00000139974	SLC38A6	14:612014	55.478	9.977	-1.716	10.091	0	0	yes	55.4781	47.3364	63.6197	9.97678	6.91646	13.0371
ENSG00000159082	ENSG00000159082	SYNJ1	21:339967	22.883	4.123	-1.714	3.579	0	0.006	yes	22.8832	11.603	34.1633	4.12343	0.738114	7.50875
ENSG00000227199	ENSG00000227199	ST7-AS1	7:1165924	0.267	0.048	-1.709	3.696	0	0.004	yes	0.266919	0.022151	0.511686	0.0483484	0.04269	0.054007
ENSG00000138495	ENSG00000138495	COX17	3:1193553	8.081	1.476	-1.7	3.785	0	0.003	yes	8.08109	5.19408	10.9681	1.47591	0.259302	2.69251
ENSG00000258388	ENSG00000258388	XXbac-BPG300A18.12	6:3211613	4.809	0.881	-1.697	5.342	0	0	yes	4.80856	3.43357	6.18354	0.88139	0.38141	1.38137
ENSG00000258136	ENSG00000258136	RP11-864J10.4	12:108126	2.595	0.48	-1.688	4.052	0	0.001	yes	2.59527	1.22852	3.96203	0.479982	0.170201	0.789762
ENSG00000134013	ENSG00000134013	LOXL2	8:2315470	13.169	2.439	-1.686	5.697	0	0	yes	13.1694	9.81376	16.525	2.43855	1.13529	3.74182
ENSG00000163762	ENSG00000163762	TM4SF18	3:1489471	22.081	4.268	-1.643	7.098	0	0	yes	22.0809	17.745	26.4168	4.26847	2.47835	6.0586
ENSG00000188818	ENSG00000188818	ZDHHHC11	5:710470	6.765	1.308	-1.643	3.954	0	0.002	yes	6.76507	3.99297	9.53716	1.30806	0.3621	2.25403
ENSG00000241738	ENSG00000241738	ZNF90P1	3:1010430	0.016	0.003	-1.633	9.557	0	0	yes	0.0155059	0.0117725	0.0192393	0.00302894	0.002294	0.003764
ENSG00000083535	ENSG00000083535	PIBF1	13:733020	32.787	6.444	-1.627	7.618	0	0	yes	32.7873	26.8371	38.7376	6.44361	3.95208	8.93514
ENSG00000251003	ENSG00000251003	RP11-152P17.2	8:1056029	4.437	0.872	-1.627	4.28	0	0	yes	4.43745	2.293	6.58191	0.872254	0.360479	1.38403
ENSG00000114270	ENSG00000114270	COL7A1	3:4860150	29.065	5.785	-1.614	7.213	0	0	yes	29.0651	23.2309	34.8992	5.78497	3.4707	8.09924
ENSG00000127928	ENSG00000127928	GNGT1	7:9322088	19	3.898	-1.584	5.274	0	0	yes	18.9999	14.6244	23.3753	3.89848	1.7357	6.06126
ENSG00000042317	ENSG00000042317	SPATA7	14:888512	23.975	4.934	-1.581	8.538	0	0	yes	23.9745	19.644	28.305	4.93377	3.33885	6.5287
ENSG00000237149	ENSG00000237149	NCRNA00245	10:770295	28.511	5.865	-1.581	8.479	0	0	yes	28.5111	23.3639	33.6582	5.86522	3.95105	7.77939
ENSG00000185278	ENSG00000185278	ZBTB37	1:1738312	9.636	2.034	-1.555	8.307	0	0	yes	9.63578	7.86874	11.4028	2.03404	1.36992	2.69817
ENSG00000208038	ENSG00000208038	MIR492	12:952279	1890.11	401.821	-1.548	5.745	0	0	yes	1890.11	1462.02	2318.19	401.821	205.263	598.38
ENSG00000109475	ENSG00000109475	RPL34	4:1095417	44.562	9.519	-1.544	6.383	0	0	yes	44.5616	35.7264	53.3969	9.5191	5.31971	13.7185
ENSG00000114735	ENSG00000114735	HEMK1	3:5059546	5.22	1.115	-1.544	4.945	0	0	yes	5.21977	3.67959	6.75994	1.11459	0.501185	1.72799
ENSG00000185482	ENSG00000185482	STAC3	12:576372	10.835	2.33	-1.537	5.981	0	0	yes	10.8345	8.54669	13.1224	2.32985	1.23818	3.42152
ENSG00000185633	ENSG00000185633	NDUFA4L2	12:576231	15.954	3.45	-1.531	9.419	0	0	yes	15.9541	13.3605	18.5477	3.44969	2.47812	4.42127
ENSG00000100399	ENSG00000100399	CHADL	22:416012	8.562	1.867	-1.523	5.598	0	0	yes	8.5624	6.86899	10.2558	1.86655	0.920084	2.81302
ENSG00000174748	ENSG00000174748	RPL15	3:2393315	192.602	44.092	-1.474	20.306	0	0	yes	192.602	173.422	211.782	44.0924	39.4324	48.7525
ENSG00000139351	ENSG00000139351	SYCP3	12:102090	0.941	0.218	-1.463	4.451	0	0	yes	0.940636	0.32458	1.55669	0.217798	0.205423	0.230172
ENSG00000227802	ENSG00000227802	DNAJB3	2:2345262	0.002	0.001	-1.461	20.993	0	0	yes	0.00225155	0.00203614	0.00246696	0.00052216	0.000469	0.000575
ENSG00000254208	ENSG00000254208	RP11-219B4.3	8:8608945	0.122	0.028	-1.455	14.104	0	0	yes	0.121523	0.103937	0.13911	0.0283656	0.024195	0.032537
ENSG00000115252	ENSG00000115252	PDE1A	2:1830047	5.704	1.334	-1.453	3.568	0	0.007	yes	5.70444	3.36286	8.04601	1.33442	0.396046	2.2728
ENSG00000166046	ENSG00000166046	TCP11L2	12:106631	47.16	11.105	-1.446	3.545	0	0.007	yes	47.1602	11.4617	82.8586	11.1046	7.72573	14.4836
ENSG00000166181	ENSG00000166181	API5	11:433335	49.6	11.861	-1.431	9.765	0	0	yes	49.6003	41.8889	57.3118	11.8611	8.91492	14.8074
ENSG00000197128	ENSG00000197128	ZNF772	19:579809	3.012	0.73	-1.417	4.461	0	0	yes	3.01181	2.02817	3.99545	0.729938	0.332091	1.12779
ENSG00000137877	ENSG00000137877	SPTBN5	15:421202	0.915	0.222	-1.416	6.216	0	0	yes	0.915274	0.72372	1.10683	0.222036	0.132156	0.311916
ENSG00000000938	ENSG00000000938	FGR	1:2793857	5.893	1.445	-1.406	3.839	0	0.003	yes	5.89346	3.90753	7.87938	1.44463	0.50524	2.38401
ENSG00000142875	ENSG00000142875	PRKACB	1:8454374	18.09	4.45	-1.403	10.209	0	0	yes	18.0904	14.5041	21.6766	4.44986	3.60332	5.29641
ENSG00000111817	ENSG00000111817	DSE	6:1165753	25.54	6.372	-1.388	12.408	0	0	yes	25.5403	21.5957	29.4848	6.37196	5.34004	7.40388
ENSG00000230536	ENSG00000230536	RP11-379C10.4	9:1308235	0.033	0.008	-1.382	33.475	0	0	yes	0.0328582	0.0310459	0.0346704	0.00824886	0.007742	0.008756
ENSG00000020922	ENSG00000020922	MRE11A	11:941528	11.58	2.91	-1.381	3.603	0	0.006	yes	11.5801	3.22346	19.9367	2.90984	2.15578	3.66391
ENSG00000224424	ENSG00000224424	PRKAR2A-AS1	3:4878202	15.135	3.894	-1.358	5.416	0	0	yes	15.1354	11.6676	18.6032	3.89429	2.15803	5.63055
ENSG00000229920	ENSG00000229920	AC016734.3	2:6334851	0.135	0.035	-1.342	31.994	0	0	yes	0.134884	0.127138	0.142629	0.0352537	0.033098	0.037409
ENSG00000231365	ENSG00000231365	RP11-418J17.1	1:1195738	6.348	1.669	-1.336	3.771	0	0.003	yes	6.34803	4.17998	8.51608	1.66923	0.633184	2.70527
ENSG00000156931	ENSG00000156931	VPS8	3:1845299	45.103	11.97	-1.327	6.386	0	0	yes	45.1025	28.629	61.5761	11.9696	9.59972	14.3395
ENSG00000181826	ENSG00000181826	RELL1	4:3745556	13.886	3.687	-1.326	6.674	0	0	yes	13.8863	11.3665	16.4061	3.6871	2.3836	4.99061
ENSG00000247828	ENSG00000247828	CTC-358I24.1	5:8748544	13.217	3.518	-1.324	4.12	0	0.001	yes	13.2166	8.39732	18.036	3.51829	1.65706	5.37953
ENSG00000198003	ENSG00000198003	CCDC151	19:115312	4.428	1.18	-1.322	5.406	0	0	yes	4.42804	3.47168	5.38439	1.18031	0.662233	1.69839
ENSG00000227328	ENSG00000227328	TEKT4P2	21:990718	2.792	0.752	-1.312	3.725	0	0.004	yes	2.79195	1.92203	3.66186	0.751825	0.276888	1.22676
ENSG00000244926	ENSG00000244926	RP11-613D13.7	11:439023	0.223	0.06	-1.31	10.84	0	0	yes	0.222589	0.182863	0.262315	0.0600518	0.050262	0.069841

ENSG00000100600	ENSG00000100600	LGMN	14:931701	73.709	20.151	-1.297	11.106	0	0	yes	73.7089	62.7823	84.6356	20.1513	16.5145	23.7881
ENSG00000185567	ENSG00000185567	AHNAK2	14:105403	1.466	0.402	-1.295	3.919	0	0.002	yes	1.46621	0.690674	2.24174	0.401762	0.242725	0.560799
ENSG00000235423	ENSG00000235423	RP11-282018.3	12:123636	18.16	5	-1.29	4.299	0	0	yes	18.1602	10.1397	26.1806	4.99984	2.96862	7.03106
ENSG00000118849	ENSG00000118849	RARRES1	3:1584146	0.193	0.054	-1.283	16.998	0	0	yes	0.19318	0.173148	0.213213	0.0535308	0.047655	0.059407
ENSG00000147403	ENSG00000147403	RPL10	X:1536183	127.057	35.298	-1.281	14.346	0	0	yes	127.057	114.563	139.55	35.298	30.0371	40.559
ENSG00000111775	ENSG00000111775	COX6A1	12:120875	58.055	16.138	-1.28	8.405	0	0	yes	58.0548	48.9214	67.1882	16.1383	11.9287	20.3478
ENSG00000131876	ENSG00000131876	SNRPA1	15:101821	17.471	4.86	-1.28	5.495	0	0	yes	17.4709	11.4359	23.5058	4.85985	3.34189	6.37782
ENSG00000151093	ENSG00000151093	OXSM	3:2576043	31.742	8.843	-1.278	9.318	0	0	yes	31.7422	27.2379	36.2466	8.84289	6.76682	10.919
ENSG00000155755	ENSG00000155755	TMEM237	2:2024849	21.226	5.919	-1.277	7.708	0	0	yes	21.2261	17.026	25.4261	5.91876	4.34568	7.49184
ENSG00000130997	ENSG00000130997	POLN	4:2073644	30.19	8.466	-1.271	9.729	0	0	yes	30.1904	24.7912	35.5895	8.46629	6.85268	10.0799
ENSG00000185684	ENSG00000185684	EP400NL	12:132568	43.468	12.289	-1.263	10.302	0	0	yes	43.4676	36.8079	50.1274	12.2892	9.93574	14.6426
ENSG00000254093	ENSG00000254093	PINX1	8:1058127	24.103	6.835	-1.26	5.602	0	0	yes	24.1034	15.0943	33.1126	6.83537	5.12386	8.54688
ENSG00000175147	ENSG00000175147	C1orf126	1:1492519	7.391	2.098	-1.259	8.062	0	0	yes	7.39064	6.27297	8.50831	2.09827	1.52484	2.6717
ENSG00000004766	ENSG00000004766	CCDC132	7:9286165	64.422	18.359	-1.255	10.495	0	0	yes	64.4223	56.5939	72.2508	18.3593	14.5762	22.1423
ENSG00000008130	ENSG00000008130	NADK	1:1682670	132.405	37.896	-1.251	9.874	0	0	yes	132.405	113.615	151.194	37.8964	29.9406	45.8522
ENSG00000114391	ENSG00000114391	RPL24	3:1013999	67.447	19.388	-1.247	7.376	0	0	yes	67.4473	54.7954	80.0991	19.3875	13.9355	24.8394
ENSG00000164142	ENSG00000164142	FAM160A1	4:1523303	9.128	2.669	-1.23	5.337	0	0	yes	9.12793	5.86033	12.3955	2.66924	1.89496	3.44351
ENSG00000207165	ENSG00000207165	SNORA70	X:1536183	8.619	2.53	-1.226	35.845	0	0	yes	8.61949	8.24499	8.99398	2.53028	2.39665	2.66392
ENSG00000258466	ENSG00000258466	RP11-1012A1.4	14:680865	136.321	40.496	-1.214	7.201	0	0	yes	136.321	110.615	162.027	40.4964	29.18	51.8128
ENSG00000113231	ENSG00000113231	PDE8B	5:7650627	4.952	1.477	-1.21	3.973	0	0.002	yes	4.9521	4.02809	5.8761	1.47688	0.620542	2.33321
ENSG00000114395	ENSG00000114395	CYB561D2	3:5038476	80.982	24.294	-1.204	13.216	0	0	yes	80.9819	73.1584	88.8055	24.2939	20.5407	28.0471
ENSG00000129226	ENSG00000129226	CD68	17:748292	8.242	2.533	-1.18	6.221	0	0	yes	8.2416	6.72076	9.76245	2.5326	1.69313	3.37206
ENSG00000160712	ENSG00000160712	IL6R	1:1543748	17.878	5.518	-1.175	4.801	0	0	yes	17.8775	13.7502	22.0049	5.51827	3.13531	7.90123
ENSG00000162244	ENSG00000162244	RPL29	3:5202764	49.486	15.472	-1.163	8.137	0	0	yes	49.4862	41.7862	57.1863	15.4721	11.7634	19.1808
ENSG00000106336	ENSG00000106336	FBXO24	7:1001698	4.809	1.507	-1.161	4.025	0	0.001	yes	4.80913	3.59566	6.02259	1.50655	0.725321	2.28778
ENSG00000011198	ENSG00000011198	ABHD5	3:4332800	27.323	8.643	-1.151	6.328	0	0	yes	27.3233	22.2085	32.4382	8.64344	5.9474	11.3395
ENSG00000152977	ENSG00000152977	ZIC1	3:1471038	28.516	9.018	-1.151	5.827	0	0	yes	28.5161	23.0663	33.966	9.01805	5.89945	12.1367
ENSG00000122432	ENSG00000122432	SPATA1	1:8496400	0.822	0.264	-1.136	11.171	0	0	yes	0.821601	0.694203	0.948998	0.26384	0.229121	0.298559
ENSG00000236939	ENSG00000236939	C8orf56	8:1041332	0.304	0.099	-1.125	29.283	0	0	yes	0.303575	0.287111	0.32004	0.0985945	0.093232	0.103957
ENSG00000219481	ENSG00000219481	NBPF1	1:1688881	31.872	10.419	-1.118	5.208	0	0	yes	31.8723	25.4999	38.2447	10.4189	6.45955	14.3783
ENSG00000235897	ENSG00000235897	TM4SF19-AS1	3:1959383	3.124	1.03	-1.11	3.612	0	0.006	yes	3.12377	1.3516	4.89593	1.02989	0.786796	1.27299
ENSG00000125354	ENSG00000125354	NIPSNAP1	Sep-06 X:1187496	5.614	1.864	-1.102	3.542	0	0.007	yes	5.61351	2.36065	8.86637	1.86398	1.44002	2.28795
ENSG00000184117	ENSG00000184117		22:299018	190.563	63.935	-1.092	16.021	0	0	yes	190.563	174.702	206.425	63.9352	57.0317	70.8387
ENSG00000234062	ENSG00000234062	RP11-308D16.4	X:1359915	9.97	3.347	-1.092	3.751	0	0.003	yes	9.96961	7.078	12.8612	3.34671	1.65802	5.0354
ENSG00000239775	ENSG00000239775	AC017116.11	7:4408423	32.714	11.025	-1.088	6.516	0	0	yes	32.714	27.1647	38.2632	11.0245	7.85471	14.1942
ENSG00000234264	ENSG00000234264	RP4-694A7.4	1:6893983	0.092	0.031	-1.082	4.15	0	0.001	yes	0.0920689	0.0589967	0.125141	0.031203	0.019409	0.042997
ENSG00000142937	ENSG00000142937	RPS8	1:4520548	66.025	22.505	-1.076	10.21	0	0	yes	66.0252	58.381	73.6694	22.5046	18.5393	26.4699
ENSG00000150527	ENSG00000150527	CTAGE5	14:396994	13.876	4.779	-1.066	5.649	0	0	yes	13.8763	10.1372	17.6155	4.77949	3.51679	6.0422
ENSG00000225505	ENSG00000225505	RP11-330C7.3	1:9297425	0.138	0.048	-1.064	7.43	0	0	yes	0.138479	0.110358	0.1666	0.047778	0.038125	0.057431
ENSG00000160746	ENSG00000160746	ANO10	3:4332800	17.335	6.007	-1.06	6.147	0	0	yes	17.3353	14.1107	20.5598	6.00739	4.2631	7.75168
ENSG00000121578	ENSG00000121578	B4GALT4	3:1189305	69.509	24.265	-1.052	8.803	0	0	yes	69.5086	61.9101	77.1071	24.2653	19.1056	29.4251
ENSG00000249319	ENSG00000249319	AC068533.7	7:6554078	10.845	3.792	-1.051	4.492	0	0	yes	10.8445	8.2935	13.3955	3.79211	2.25876	5.32547
ENSG00000152061	ENSG00000152061	RABGAP1L	1:1740844	8.769	3.091	-1.043	3.989	0	0.001	yes	8.76911	6.00896	11.5293	3.09108	1.80079	4.38137
ENSG00000163738	ENSG00000163738	MTHFD2L	4:7497989	11.308	4.023	-1.033	3.733	0	0.004	yes	11.308	6.42496	16.1911	4.0232	2.62928	5.41712
ENSG00000155016	ENSG00000155016	CYP2U1	4:1087457	4.016	1.431	-1.032	5.303	0	0	yes	4.01553	3.20683	4.82423	1.43109	0.954601	1.90758
ENSG00000174791	ENSG00000174791	RIN1	11:660977	5.07	1.828	-1.02	3.738	0	0.004	yes	5.07002	3.63937	6.50068	1.82829	0.974115	2.68246
ENSG00000213865	ENSG00000213865	C8orf44	8:6757983	0.294	0.108	-1.004	4.338	0	0	yes	0.294028	0.205624	0.382432	0.107687	0.069756	0.145619
ENSG00000234353	ENSG00000234353	AP000347.4	22:239506	0.295	0.108	-1.004	11.603	0	0	yes	0.295413	0.259255	0.331571	0.108219	0.094973	0.121466
ENSG00000241839	ENSG00000241839	PLEKHO2	15:651340	3.071	1.129	-1.001	4.773	0	0	yes	3.07126	2.43069	3.71184	1.12864	0.717873	1.5394
ENSG00000105877	ENSG00000105877	DNAH11	7:2158283	0.458	0.168	-1	4.342	0	0	yes	0.458099	0.262116	0.654082	0.168459	0.139622	0.197296

ENSG00000115239	ENSG00000115239	ASB3	2:5375980:	73.534	27.221	-0.994	9.698	0	0 yes	73.5337	64.4662	82.6011	27.2205	22.7647	31.6762
ENSG00000177868	ENSG00000177868	CCDC23	1:4327272:	32.818	12.257	-0.985	5.539	0	0 yes	32.8182	27.435	38.2015	12.2568	8.38887	16.1246
ENSG00000189050	ENSG00000189050	RNFT1	17:580296:	34.067	12.819	-0.977	7.063	0	0 yes	34.0669	28.3491	39.7847	12.8191	9.99843	15.6399
ENSG00000242247	ENSG00000242247	ARFGAP3	22:431925:	47.362	17.83	-0.977	8.888	0	0 yes	47.3617	42.2627	52.4607	17.8298	14.4123	21.2474
ENSG00000243156	ENSG00000243156	MICAL3	22:182704:	33.752	12.77	-0.972	8.447	0	0 yes	33.7521	30.3464	37.1578	12.7702	10.129	15.4113
ENSG00000078018	ENSG00000078018	MAP2	2:2102887:	23.359	8.927	-0.962	4.273	0	0 yes	23.3591	14.8242	31.8939	8.92686	6.57851	11.2752
ENSG00000021762	ENSG00000021762	OSBPL5	11:310834:	57.331	22.34	-0.942	5.93	0	0 yes	57.3312	40.989	73.6735	22.3396	19.1981	25.481
ENSG00000255526	ENSG00000255526	NEDD8-MDP1	14:246583:	35.206	13.746	-0.94	5.66	0	0 yes	35.2055	28.8239	41.587	13.7458	9.91696	17.5746
ENSG00000134508	ENSG00000134508	CABLES1	18:207145:	12.879	5.088	-0.929	7.597	0	0 yes	12.8791	11.1359	14.6224	5.08767	4.05157	6.12377
ENSG00000163291	ENSG00000163291	PAQR3	4:7969749:	11.53	4.62	-0.914	4.21	0	0.001 yes	11.5303	9.02432	14.0363	4.62048	2.88224	6.35872
ENSG00000077157	ENSG00000077157	PPP1R12B	1:2023178:	25.154	10.179	-0.905	7.044	0	0 yes	25.1535	20.3341	29.973	10.1785	8.43721	11.9198
ENSG00000240950	ENSG00000240950	RP11-372E1.1	3:1425347:	24.797	10.068	-0.901	4.818	0	0 yes	24.7971	19.6296	29.9645	10.0684	6.93931	13.1975
ENSG00000237765	ENSG00000237765	FAM200B	4:1560616:	30.097	12.256	-0.898	4.896	0	0 yes	30.0968	24.1056	36.0879	12.2555	8.47629	16.0348
ENSG00000137710	ENSG00000137710	RDX	11:110045:	11.982	4.916	-0.891	5.788	0	0 yes	11.9822	9.17763	14.7869	4.91612	3.93301	5.89922
ENSG00000256500	ENSG00000256500	RP11-73M18.2	14:104019:	23.567	9.773	-0.88	4.008	0	0.001 yes	23.5674	17.954	29.1808	9.77252	6.16566	13.3794
ENSG00000172728	ENSG00000172728	FUT10	8:3322834:	19.006	7.921	-0.875	4.693	0	0 yes	19.0064	16.1252	21.8876	7.9212	5.22187	10.6205
ENSG00000151466	ENSG00000151466	SCLT1	4:1297307:	6.318	2.638	-0.873	4.786	0	0 yes	6.31758	4.93354	7.70163	2.63811	1.86823	3.40798
ENSG00000250644	ENSG00000250644	RP11-295K3.1	11:175363:	9.336	3.9	-0.873	4.304	0	0 yes	9.33586	7.25968	11.412	3.8998	2.57691	5.22269
ENSG00000147316	ENSG00000147316	MCPH1	8:6261071:	18.902	7.909	-0.871	5.343	0	0 yes	18.9015	14.7011	23.102	7.90888	6.021	9.79676
ENSG00000115661	ENSG00000115661	STK16	2:2200944:	72.449	30.396	-0.869	8.039	0	0 yes	72.4491	64.1438	80.7543	30.3956	24.8279	35.9634
ENSG00000229732	ENSG00000229732	AC019349.5	17:396572:	40.181	16.914	-0.865	4.744	0	0 yes	40.1805	31.8857	48.4753	16.914	11.8274	22.0005
ENSG00000253966	ENSG00000253966	CTC-455F18.3	5:1702888:	0.025	0.011	-0.865	8.498	0	0 yes	0.0249819	0.0213947	0.0285691	0.0105177	0.009	0.012036
ENSG00000257337	ENSG00000257337	RP11-983P16.4	12:533999:	42.507	17.906	-0.865	6.217	0	0 yes	42.5069	35.8447	49.169	17.9063	13.7924	22.0202
ENSG00000206535	ENSG00000206535	LNP1	3:1000822:	11.374	4.802	-0.862	6.164	0	0 yes	11.3736	9.59159	13.1555	4.80248	3.68961	5.91535
ENSG00000196588	ENSG00000196588	MKL1	22:408062:	36.814	15.723	-0.851	6.844	0	0 yes	36.8136	28.971	44.6562	15.7227	13.7079	17.7376
ENSG00000254501	ENSG00000254501	AP003068.9	11:648516:	20.54	8.779	-0.85	3.835	0	0.003 yes	20.5403	15.6408	25.4398	8.77909	5.49899	12.0592
ENSG00000253950	ENSG00000253950	AC020907.6	19:354856:	25.454	10.947	-0.844	4.798	0	0 yes	25.4543	20.3079	30.6007	10.9467	7.79538	14.0981
ENSG00000079819	ENSG00000079819	EPB41L2	6:1311604:	33.855	14.76	-0.83	7.579	0	0 yes	33.8549	27.4601	40.2497	14.7603	13.1225	16.3982
ENSG00000226232	ENSG00000226232	RP11-419C5.2	16:700101:	6.899	3.025	-0.824	3.508	0	0.008 yes	6.89898	5.36178	8.43617	3.0252	1.77341	4.27699
ENSG00000088298	ENSG00000088298	EDEM2	20:337031:	42.499	18.697	-0.821	9.889	0	0 yes	42.4992	38.358	46.6405	18.6974	16.1833	21.2114
ENSG00000149735	ENSG00000149735	GPHA2	11:646850:	0.204	0.09	-0.821	5.06	0	0 yes	0.203949	0.157148	0.25075	0.089741	0.06915	0.110332
ENSG00000128590	ENSG00000128590	DNAJB9	7:1081108:	26.773	11.815	-0.818	4.961	0	0 yes	26.773	21.7392	31.8069	11.8147	8.61355	15.0159
ENSG00000218186	ENSG00000218186	KRT8P43	6:2454433:	0.028	0.012	-0.817	5.018	0	0 yes	0.0276978	0.0214255	0.0339701	0.0122338	0.00937	0.015098
ENSG00000126522	ENSG00000126522	ASL	7:6554078:	263.941	116.99	-0.814	4.565	0	0 yes	263.941	214.609	313.273	116.99	81.4751	152.505
ENSG00000182985	ENSG00000182985	CADM1	11:115039:	47.01	20.84	-0.813	5.107	0	0 yes	47.0102	39.9158	54.1045	20.8401	14.9925	26.6877
ENSG00000065518	ENSG00000065518	NDUFB4	3:1203151:	129.774	57.865	-0.808	5.789	0	0 yes	129.774	106.253	153.294	57.8646	45.5881	70.1411
ENSG00000227973	ENSG00000227973	AC023356.3	15:441629:	0.241	0.107	-0.808	7.969	0	0 yes	0.240561	0.207749	0.273374	0.107273	0.091192	0.123354
ENSG00000102312	ENSG00000102312	PORCN	X:4836734:	9.944	4.466	-0.8	3.775	0	0.003 yes	9.94368	6.61131	13.2761	4.46614	3.30567	5.62662
ENSG00000149292	ENSG00000149292	TTC12	11:113185:	30.663	13.801	-0.798	4.815	0	0 yes	30.6628	24.3431	36.9825	13.8007	10.216	17.3853
ENSG00000134970	ENSG00000134970	TMED7	5:1149143:	61.338	27.638	-0.797	7.116	0	0 yes	61.3384	53.0469	69.6298	27.6379	22.6992	32.5765
ENSG00000117523	ENSG00000117523	PRRC2C	1:1714546:	82.301	37.201	-0.794	4.203	0	0.001 yes	82.3005	55.2907	109.31	37.2005	30.2321	44.1689
ENSG00000168291	ENSG00000168291	PDHB	3:5841335:	67.141	30.373	-0.793	6.099	0	0 yes	67.1413	56.4923	77.7903	30.3732	24.1114	36.635
ENSG00000145868	ENSG00000145868	FBXO38	5:1477634:	54.428	24.695	-0.79	4.684	0	0 yes	54.4277	40.3181	68.5373	24.6948	19.3618	30.0278
ENSG00000123104	ENSG00000123104	ITPR2	12:262729:	15.403	7.01	-0.787	3.977	0	0.001 yes	15.4026	11.6235	19.1817	7.0101	4.83249	9.18771
ENSG00000137817	ENSG00000137817	PARP6	15:724913:	72.619	33.221	-0.782	12.242	0	0 yes	72.619	67.0182	78.2198	33.2205	29.8367	36.6043
ENSG00000232940	ENSG00000232940	HCG25	6:3321731:	33.532	15.364	-0.78	4.148	0	0.001 yes	33.5318	26.4102	40.6534	15.3643	10.591	20.1376
ENSG00000255046	ENSG00000255046	RP11-297N6.4	8:1165308:	0.098	0.045	-0.777	24.962	0	0 yes	0.0980361	0.0937544	0.102318	0.0450745	0.043075	0.047074
ENSG00000138382	ENSG00000138382	METTL5	2:1706484:	144.29	66.389	-0.776	4.166	0	0.001 yes	144.29	114.74	173.84	66.3891	45.7192	87.059
ENSG00000165238	ENSG00000165238	WNK2	9:9594719:	25.71	11.83	-0.776	7.505	0	0 yes	25.7101	21.3679	30.0523	11.83	10.4169	13.2431
ENSG00000256029	ENSG00000256029	RP11-190A12.7	1:1597965:	0.283	0.131	-0.775	3.843	0	0.002 yes	0.283478	0.198006	0.36895	0.130662	0.095708	0.165616

ENSG00000020577	ENSG00000020577	SAMD4A	14:550338	12.035	5.591	-0.767	3.713	0	0.004	yes	12.035	8.27043	15.7995	5.59066	4.08335	7.09796
ENSG00000157657	ENSG00000157657	ZNF618	9:1166385	46.468	21.628	-0.765	8.221	0	0	yes	46.4675	41.8119	51.1232	21.6281	18.2372	25.019
ENSG00000147813	ENSG00000147813	NAPRT1	8:1446556	34.856	16.358	-0.757	4.502	0	0	yes	34.8555	29.0234	40.6876	16.3578	11.5905	21.1251
ENSG00000117983	ENSG00000117983	MUC5B	11:124429	55.709	26.33	-0.749	5.488	0	0	yes	55.7088	47.2644	64.1532	26.3304	20.3494	32.3115
ENSG00000137642	ENSG00000137642	SORL1	11:121318	18.52	8.774	-0.747	4.179	0	0.001	yes	18.5196	14.9394	22.0999	8.77364	6.13507	11.4122
ENSG00000256762	ENSG00000256762	STH	17:439717	0.052	0.025	-0.742	16.628	0	0	yes	0.0520904	0.0489898	0.0551909	0.0248001	0.02315	0.02645
ENSG00000240224	ENSG00000240224	UGT1A5	2:2345262	8.098	3.874	-0.737	5.01	0	0	yes	8.09768	6.64731	9.54804	3.87448	2.96985	4.77911
ENSG00000168000	ENSG00000168000	BSCL2	11:624577	366.222	175.794	-0.734	3.572	0	0.007	yes	366.222	276.746	455.698	175.794	117.714	233.873
ENSG00000134333	ENSG00000134333	LDHA	11:184159	196.046	94.509	-0.73	9.51	0	0	yes	196.046	175.376	216.716	94.5092	83.9722	105.046
ENSG00000198301	ENSG00000198301	SDAD1	4:7683180	37.783	18.36	-0.722	5.61	0	0	yes	37.7827	31.5638	44.0015	18.3596	14.7284	21.9907
ENSG00000197728	ENSG00000197728	RPS26	12:564356	118.735	57.726	-0.721	7.453	0	0	yes	118.735	104.007	133.464	57.7255	49.151	66.3
ENSG00000128335	ENSG00000128335	APOL2	22:366222	56.205	27.497	-0.715	8.027	0	0	yes	56.205	49.4869	62.9232	27.4969	23.8657	31.1282
ENSG00000235109	ENSG00000235109	ZNF323	6:2829246	13.809	6.798	-0.709	3.829	0	0.003	yes	13.8088	10.4076	17.21	6.79829	4.92005	8.67653
ENSG00000114942	ENSG00000114942	EEF1B2	2:2069802	40.934	20.315	-0.701	5.434	0	0	yes	40.9341	35.0871	46.7812	20.3152	15.9543	24.676
ENSG00000174374	ENSG00000174374	WBSCR16	7:7444122	43.123	21.396	-0.701	7.22	0	0	yes	43.1233	37.2765	48.9702	21.3963	18.4233	24.3693
ENSG00000137843	ENSG00000137843	PAK6	15:404532	15.432	7.663	-0.7	8.242	0	0	yes	15.4321	13.7759	17.0883	7.66311	6.65416	8.67205
ENSG00000183020	ENSG00000183020	AP2A2	11:924893	137.772	68.483	-0.699	5.89	0	0	yes	137.772	117.834	157.709	68.4833	55.5994	81.3673
ENSG00000135631	ENSG00000135631	RAB11FIP5	2:7316916	46.407	23.085	-0.698	5.699	0	0	yes	46.407	39.6275	53.1865	23.0848	18.5426	27.6269
ENSG00000240854	ENSG00000240854	RP11-64K7.1	3:1312523	23.913	11.941	-0.694	5.433	0	0	yes	23.9132	20.1397	27.6867	11.9411	9.53919	14.343
ENSG00000235706	ENSG00000235706	AL356017.3	14:955525	29.299	14.753	-0.686	5.374	0	0	yes	29.2988	24.955	33.6426	14.753	11.6859	17.8202
ENSG00000135916	ENSG00000135916	ITM2C	2:2317293	328.54	165.694	-0.685	12.053	0	0	yes	328.54	302.852	354.228	165.694	152.043	179.345
ENSG00000162458	ENSG00000162458	FBLIM1	1:1608310	30.319	15.277	-0.685	3.977	0	0.001	yes	30.3193	24.0781	36.5606	15.2767	11.0522	19.5012
ENSG00000110011	ENSG00000110011	DNAJC4	11:639741	108.793	54.918	-0.684	5.313	0	0	yes	108.793	91.723	125.863	54.918	43.7166	66.1195
ENSG00000213782	ENSG00000213782	DDX47	12:128788	16.731	8.495	-0.678	4.039	0	0.001	yes	16.7307	13.7323	19.7291	8.49533	6.08517	10.9055
ENSG00000111252	ENSG00000111252	SH2B3	12:111843	5.86	2.977	-0.677	4.168	0	0.001	yes	5.85959	4.76303	6.95615	2.97743	2.18691	3.76795
ENSG00000145907	ENSG00000145907	G3BP1	5:1511218	131.669	66.97	-0.676	9.263	0	0	yes	131.669	118.018	145.321	66.9697	60.0886	73.8509
ENSG00000154146	ENSG00000154146	NRGN	11:124609	12.139	6.193	-0.673	4.219	0	0.001	yes	12.1385	9.84958	14.4275	6.19281	4.59898	7.78664
ENSG00000203896	ENSG00000203896	LIME1	20:622891	32.328	16.504	-0.672	3.585	0	0.006	yes	32.3283	25.6996	38.957	16.5039	11.3208	21.6869
ENSG00000240682	ENSG00000240682	ISY1	3:1288064	35.619	18.347	-0.663	5.798	0	0	yes	35.6186	30.7083	40.5289	18.3466	14.9951	21.698
ENSG00000196670	ENSG00000196670	ZFP62	5:1802746	39.378	20.306	-0.662	4.73	0	0	yes	39.3775	29.8669	48.8881	20.3057	17.427	23.1844
ENSG00000166278	ENSG00000166278	C2	6:3186556	17.216	8.91	-0.659	3.626	0	0.005	yes	17.2157	13.1051	21.3263	8.91032	6.47046	11.3502
ENSG00000127080	ENSG00000127080	IPPK	9:9505963	13.269	6.95	-0.647	4.477	0	0	yes	13.2687	10.9993	15.5381	6.94975	5.33152	8.56799
ENSG00000162441	ENSG00000162441	LZIC	1:9982170	19.174	10.087	-0.642	4.075	0	0.001	yes	19.174	15.4925	22.8556	10.0873	7.56541	12.6092
ENSG00000121671	ENSG00000121671	CRY2	11:458686	69.161	36.72	-0.633	3.758	0	0.003	yes	69.1606	60.1812	78.1401	36.7203	25.3045	48.1361
ENSG00000138297	ENSG00000138297	TIMM23	10:513713	25.333	13.529	-0.627	4.172	0	0.001	yes	25.3326	20.6548	30.0105	13.5291	10.3183	16.7399
ENSG00000170860	ENSG00000170860	LSM3	3:1418631	4.716	2.526	-0.624	4.315	0	0	yes	4.71642	3.86692	5.56592	2.52631	1.95429	3.09834
ENSG00000247372	ENSG00000247372	CTD-2235C13.2	5:7461597	0.264	0.142	-0.622	15.035	0	0	yes	0.264334	0.248977	0.279692	0.141961	0.133607	0.150315
ENSG00000119414	ENSG00000119414	PPP6C	9:1279088	76.461	41.321	-0.615	6.752	0	0	yes	76.4609	67.8622	85.0595	41.3211	35.3924	47.2497
ENSG00000215450	ENSG00000215450	RP5-890O15.3	20:455232	0.107	0.058	-0.614	9.131	0	0	yes	0.106832	0.0967372	0.116926	0.0578419	0.052314	0.06337
ENSG00000010322	ENSG00000010322	NISCH	3:5248913	76.101	41.229	-0.613	6.052	0	0	yes	76.1005	64.0777	88.1233	41.2285	36.0016	46.4555
ENSG00000137522	ENSG00000137522	RNF121	11:716397	79.681	43.236	-0.611	5.176	0	0	yes	79.6811	65.6259	93.7362	43.2364	36.4428	50.0299
ENSG00000142330	ENSG00000142330	CAPN10	2:2415261	15.714	8.528	-0.611	4.164	0	0.001	yes	15.7135	12.5463	18.8808	8.52774	6.70738	10.3481
ENSG00000100442	ENSG00000100442	FKBP3	14:455533	42.53	23.128	-0.609	5.307	0	0	yes	42.5304	36.4306	48.6302	23.1282	18.982	27.2745
ENSG00000131508	ENSG00000131508	UBE2D2	5:1389060	191.105	104.488	-0.604	4.378	0	0	yes	191.105	161.545	220.666	104.488	80.628	128.347
ENSG00000072201	ENSG00000072201	LNX1	4:5424380	17.546	9.603	-0.603	3.991	0	0.001	yes	17.5458	14.7783	20.3133	9.60287	7.12942	12.0763
ENSG00000123388	ENSG00000123388	HOXC11	12:543560	11.539	6.33	-0.6	4.574	0	0	yes	11.5387	9.62472	13.4526	6.33033	5.04235	7.61831
ENSG00000145592	ENSG00000145592	RPL37	5:4082536	459.234	253.026	-0.596	7.967	0	0	yes	459.234	416.473	501.995	253.026	223.389	282.663
ENSG00000178922	ENSG00000178922	HYI	1:4388642	106.079	58.461	-0.596	7.217	0	0	yes	106.079	95.7307	116.427	58.4612	50.6727	66.2497
ENSG00000182909	ENSG00000182909	LENG9	19:549559	16.957	9.394	-0.591	4.845	0	0	yes	16.9574	14.3509	19.5639	9.39438	7.61674	11.172
ENSG00000120159	ENSG00000120159	C9orf82	9:2684068	33.889	18.823	-0.588	4.777	0	0	yes	33.889	27.8673	39.9106	18.823	15.6153	22.0308

ENSG00000136383	ENSG00000136383	ALPK3	15:853599	1.21	0.675	-0.584	3.731	0	0.004	yes	1.21035	0.973055	1.44765	0.674759	0.509924	0.839595
ENSG00000170421	ENSG00000170421	KRT8	12:532909	1083.56	606.012	-0.581	11.237	0	0	yes	1083.56	999.646	1167.47	606.012	564.468	647.557
ENSG00000141027	ENSG00000141027	NCOR1	17:158798	114.845	64.88	-0.571	4.648	0	0	yes	114.845	97.4441	132.245	64.8796	52.3291	77.4301
ENSG00000176973	ENSG00000176973	FAM89B	11:653379	44.388	25.134	-0.569	6.515	0	0	yes	44.3884	39.3996	49.3772	25.1342	21.7761	28.4922
ENSG00000189269	ENSG00000189269	C22orf43	22:239506	0.063	0.036	-0.567	6.552	0	0	yes	0.0627378	0.0550588	0.0704168	0.0355846	0.031229	0.03994
ENSG00000167491	ENSG00000167491	GATAD2A	19:194966	205.321	116.725	-0.565	9.523	0	0	yes	205.321	189.148	221.493	116.725	106.375	127.075
ENSG00000198211	ENSG00000198211	TUBB3	16:899785	22.568	12.828	-0.565	4.053	0	0.001	yes	22.5679	19.2008	25.9349	12.8277	9.80658	15.8488
ENSG00000089101	ENSG00000089101	C20orf26	20:200150	0.001	0.001	-0.555	8.176	0	0	yes	0.00112768	0.00101394	0.00124141	0.000647319	0.000588	0.000706
ENSG00000179222	ENSG00000179222	MAGED1	X:5154610	356.326	205.229	-0.552	10.915	0	0	yes	356.326	332.425	380.226	205.229	189.706	220.753
ENSG00000113621	ENSG00000113621	TXNDC15	5:1342094	59.404	34.387	-0.547	4.207	0	0.001	yes	59.4043	48.1194	70.6891	34.387	28.2887	40.4854
ENSG00000116874	ENSG00000116874	WARS2	1:1195738	20.727	12.033	-0.544	3.619	0	0.006	yes	20.7272	17.1533	24.3011	12.0333	9.0721	14.9945
ENSG00000138641	ENSG00000138641	HERC3	4:8944213	50.005	29.053	-0.543	5.081	0	0	yes	50.0048	43.5811	56.4286	29.0532	24.0905	34.016
ENSG00000197958	ENSG00000197958	RPL12	9:1302099	357.263	207.537	-0.543	8.24	0	0	yes	357.263	326.414	388.113	207.537	186.861	228.214
ENSG00000005022	ENSG00000005022	SLC25A5	X:1185999	330.8	193.511	-0.536	8.68	0	0	yes	330.8	303.554	358.047	193.511	175.692	211.331
ENSG00000077782	ENSG00000077782	FGFR1	8:3826865	56.541	33.196	-0.533	3.6	0	0.006	yes	56.5408	46.1743	66.9073	33.1957	25.4893	40.9021
ENSG00000232485	ENSG00000232485	AC098820.3	2:2172500	0.184	0.108	-0.532	15.394	0	0	yes	0.184203	0.175903	0.192503	0.108248	0.102582	0.113914
ENSG00000159884	ENSG00000159884	CCDC107	9:3565830	22.05	13.013	-0.527	3.873	0	0.002	yes	22.0496	18.4832	25.6159	13.0132	10.1626	15.8638
ENSG00000137055	ENSG00000137055	PLAA	9:2690408	17.238	10.19	-0.526	3.557	0	0.007	yes	17.2379	14.2892	20.1867	10.1904	7.73425	12.6466
ENSG00000155508	ENSG00000155508	CNOT8	5:1541980	138.936	82.111	-0.526	8.452	0	0	yes	138.936	127.891	149.982	82.1108	74.249	89.9726
ENSG00000184182	ENSG00000184182	UBE2F	2:2388754	59.871	35.411	-0.525	5.191	0	0	yes	59.8713	52.1328	67.6097	35.4114	29.8992	40.9237
ENSG00000229212	ENSG00000229212	AC044860.3	15:857471	0.004	0.003	-0.525	10.675	0	0	yes	0.00449926	0.00420418	0.00479434	0.0026614	0.002466	0.002857
ENSG00000151491	ENSG00000151491	EPS8	12:157730	95.135	56.376	-0.523	4.094	0	0.001	yes	95.1348	74.5608	115.709	56.3759	48.6933	64.0585
ENSG00000139154	ENSG00000139154	AEBP2	12:195569	29.591	17.561	-0.522	4.833	0	0	yes	29.5905	25.5014	33.6797	17.5614	14.6476	20.4753
ENSG00000161980	ENSG00000161980	POLR3K	16:96406-1	52.566	31.195	-0.522	5.496	0	0	yes	52.5655	46.1634	58.9676	31.1952	26.6512	35.7393
ENSG00000168724	ENSG00000168724	DNAJC21	5:3492969	19.737	11.709	-0.522	4.987	0	0	yes	19.7372	17.0731	22.4013	11.7089	9.83445	13.5833
ENSG00000152464	ENSG00000152464	RPP38	10:151373	26.531	15.798	-0.518	4.383	0	0	yes	26.5307	22.7236	30.3379	15.7979	12.8264	18.7693
ENSG00000185885	ENSG00000185885	IFITM1	11:307630	70.098	41.771	-0.518	5.159	0	0	yes	70.0979	61.9707	78.2252	41.7712	34.9283	48.6141
ENSG00000162623	ENSG00000162623	TYW3	1:7501808	23.637	14.127	-0.515	4.788	0	0	yes	23.6371	20.7728	26.5013	14.127	11.6176	16.6363
ENSG00000142669	ENSG00000142669	SH3BGRL3	1:2660566	122.208	73.079	-0.514	6.065	0	0	yes	122.208	108.356	136.061	73.0789	63.863	82.2949
ENSG00000240053	ENSG00000240053	LY6G5B	6:3162900	32.205	19.265	-0.514	4.898	0	0	yes	32.2051	28.5024	35.9078	19.2654	15.8847	22.646
ENSG00000006740	ENSG00000006740	ARHGAP44	17:126928	7.363	4.407	-0.513	4.859	0	0	yes	7.36255	6.39	8.3351	4.40662	3.68	5.13324
ENSG00000161960	ENSG00000161960	EIF4A1	17:747602	178.636	107.233	-0.51	8.016	0	0	yes	178.636	163.497	193.775	107.233	97.0433	117.424
ENSG00000072210	ENSG00000072210	ALDH3A2	17:195514	97.54	58.642	-0.509	4.127	0	0.001	yes	97.5401	86.9337	108.146	58.6421	45.663	71.6211
ENSG00000172113	ENSG00000172113	NME6	3:4828258	38.907	23.401	-0.508	3.993	0	0.001	yes	38.9072	33.3797	44.4346	23.4005	18.4543	28.3468
ENSG00000041802	ENSG00000041802	LSG1	3:1943047	93.899	56.712	-0.504	6.684	0	0	yes	93.8991	85.2387	102.56	56.7123	49.9406	63.4841
ENSG00000172954	ENSG00000172954	LCLAT1	2:3067009	34.498	20.832	-0.504	3.924	0	0.002	yes	34.4976	28.4521	40.543	20.8318	16.9139	24.7497
ENSG00000065923	ENSG00000065923	SLC9A7	X:4646475	44.675	27.051	-0.502	3.855	0	0.002	yes	44.6746	37.061	52.2883	27.0512	21.7291	32.3733
ENSG00000133316	ENSG00000133316	WDR74	11:625997	92.857	56.363	-0.499	6.023	0	0	yes	92.8569	81.7185	103.995	56.3631	49.9142	62.812
ENSG00000165675	ENSG00000165675	ENOX2	X:1297517	23.799	14.462	-0.498	3.819	0	0.003	yes	23.7985	19.8974	27.6997	14.4619	11.5273	17.3965
ENSG00000196357	ENSG00000196357	ZNF565	19:366731	13.697	8.339	-0.496	4.302	0	0	yes	13.6967	11.7113	15.6821	8.33937	6.84285	9.83589
ENSG00000134825	ENSG00000134825	C11orf10	11:614479	110.991	67.689	-0.495	4.546	0	0	yes	110.991	96.1714	125.81	67.6885	56.0616	79.3154
ENSG00000181163	ENSG00000181163	NPM1	5:1708141	1023.6	623.678	-0.495	6.049	0	0	yes	1023.6	918.371	1128.83	623.678	544.146	703.211
ENSG00000224660	ENSG00000224660	AC087590.3	3:1529569	28.742	17.525	-0.495	3.599	0	0.006	yes	28.7422	23.8807	33.6038	17.5246	13.7254	21.3238
ENSG00000182944	ENSG00000182944	EWSR1	22:296558	133.792	82.072	-0.489	8.489	0	0	yes	133.792	123.355	144.228	82.0717	75.1216	89.0218
ENSG00000131469	ENSG00000131469	RPL27	17:411504	294.74	181.163	-0.487	5.386	0	0	yes	294.74	259.861	329.619	181.163	156.418	205.909
ENSG00000108298	ENSG00000108298	RPL19	17:373565	151.998	93.909	-0.482	5.335	0	0	yes	151.998	134.015	169.98	93.9094	81.1033	106.716
ENSG00000106682	ENSG00000106682	EIF4H	7:7358857	47.145	29.349	-0.474	3.743	0	0.004	yes	47.1453	39.3327	54.9579	29.3491	23.7295	34.9686
ENSG00000171346	ENSG00000171346	KRT15	17:396699	22.433	13.998	-0.472	4.376	0	0	yes	22.4334	19.3828	25.484	13.9976	11.6566	16.3387
ENSG00000124444	ENSG00000124444	ZNF576	19:441005	34.292	21.454	-0.469	3.972	0	0.002	yes	34.292	29.1044	39.4797	21.4543	17.5633	25.3453
ENSG00000126217	ENSG00000126217	MCF2L	13:113548	54.66	34.201	-0.469	4.564	0	0	yes	54.66	48.5819	60.7381	34.2009	28.2911	40.1107

ENSG00000161800	ENSG00000161800	RACGAP1	12:503609	42.455	26.576	-0.468	4.348	0	0 yes	42.4553	36.3109	48.5998	26.5762	22.334	30.8184
ENSG00000168575	ENSG00000168575	SLC20A2	8:4227399	53.668	33.638	-0.467	4.831	0	0 yes	53.6684	46.9611	60.3757	33.6377	28.6733	38.6021
ENSG00000206053	ENSG00000206053	HN1L	16:166233	232.065	145.737	-0.465	8.927	0	0 yes	232.065	215.991	248.139	145.737	134.387	157.086
ENSG00000122778	ENSG00000122778	KIAA1549	7:1383910	6.317	3.971	-0.464	4.714	0	0 yes	6.31745	5.32008	7.31481	3.97111	3.50332	4.43891
ENSG00000099901	ENSG00000099901	RANBP1	22:200677	36.658	23.09	-0.462	4.349	0	0 yes	36.6578	31.4239	41.8916	23.0904	19.4541	26.7267
ENSG00000095139	ENSG00000095139	ARCN1	11:118307	173.509	109.376	-0.461	9.529	0	0 yes	173.509	163.244	183.774	109.376	100.989	117.764
ENSG00000132394	ENSG00000132394	EEFSEC	3:1277704	32.783	20.744	-0.458	4.51	0	0 yes	32.7825	28.597	36.968	20.7436	17.4709	24.0164
ENSG00000139163	ENSG00000139163	ETNK1	12:227780	21.062	13.349	-0.456	3.761	0	0.003 yes	21.0621	17.3744	24.7498	13.3485	11.1086	15.5884
ENSG00000171853	ENSG00000171853	TTC15	2:3383445	180.861	114.746	-0.455	6.348	0	0 yes	180.861	160.79	200.932	114.746	104.332	125.16
ENSG00000055609	ENSG00000055609	MLL3	7:1518320	14.2	9.018	-0.454	3.629	0	0.005 yes	14.1995	11.8148	16.5841	9.01792	7.34531	10.6905
ENSG00000090006	ENSG00000090006	LTBP4	19:410990	66.974	42.571	-0.453	8.452	0	0 yes	66.9739	61.9162	72.0316	42.5709	39.3304	45.8114
ENSG00000089022	ENSG00000089022	MAPKAPK5	12:112277	37.663	24.044	-0.449	4.654	0	0 yes	37.663	33.7491	41.5768	24.0443	20.1378	27.9508
ENSG00000163900	ENSG00000163900	TMEM41A	3:1850007	13.435	8.576	-0.449	3.498	0	0.008 yes	13.4352	10.9937	15.8767	8.57573	7.02097	10.1305
ENSG00000241279	ENSG00000241279	AC110615.1	4:7678101	98.509	62.87	-0.449	3.875	0	0.002 yes	98.5093	83.7164	113.302	62.8698	51.7683	73.9713
ENSG00000250012	ENSG00000250012	RP11-124N2.1	3:1257251	0.193	0.123	-0.448	6.414	0	0 yes	0.192771	0.174328	0.211214	0.123123	0.110573	0.135673
ENSG00000168066	ENSG00000168066	SF1	11:645320	584.34	373.814	-0.447	11.516	0	0 yes	584.34	554.071	614.61	373.814	352.223	395.404
ENSG00000110171	ENSG00000110171	TRIM3	11:646984	127.786	81.948	-0.444	5.475	0	0 yes	127.786	112.926	142.647	81.9475	72.669	91.226
ENSG00000075292	ENSG00000075292	ZNF638	2:7150369	114.804	73.746	-0.443	6.325	0	0 yes	114.804	103.888	125.72	73.7459	66.1724	81.3193
ENSG00000134759	ENSG00000134759	ELP2	18:337094	67.406	43.318	-0.442	4.744	0	0 yes	67.4061	59.0699	75.7422	43.3181	37.2755	49.3607
ENSG00000172936	ENSG00000172936	MYD88	3:3817996	133.25	85.798	-0.44	7.87	0	0 yes	133.25	121.914	144.585	85.7979	79.5629	92.0328
ENSG00000164542	ENSG00000164542	KIAA0895	7:3636382	23.036	14.852	-0.439	3.5	0	0.008 yes	23.0355	18.9295	27.1414	14.8515	12.2313	17.4717
ENSG00000258930	ENSG00000258930	RP5-1163L11.2	14:713741	1.036	0.67	-0.436	9.705	0	0 yes	1.03642	0.973862	1.09897	0.670359	0.625792	0.714926
ENSG00000206612	ENSG00000206612	SNORA2A	12:490471	11.249	7.282	-0.435	6.371	0	0 yes	11.2491	10.1728	12.3253	7.28243	6.57342	7.99143
ENSG00000175309	ENSG00000175309	AGXT2L2	5:1776315	131.311	85.373	-0.431	6.956	0	0 yes	131.311	121.656	140.966	85.3732	76.8707	93.8758
ENSG00000107165	ENSG00000107165	TYRP1	9:1268543	53.706	34.963	-0.429	3.701	0	0.004 yes	53.7056	45.4455	61.9657	34.9629	28.8927	41.033
ENSG00000130714	ENSG00000130714	POMT1	9:1343782	60.949	39.723	-0.428	4.633	0	0 yes	60.9492	54.2637	67.6348	39.7232	33.8155	45.6308
ENSG00000145022	ENSG00000145022	TCTA	3:4939657	26.444	17.233	-0.428	3.795	0	0.003 yes	26.4444	22.5486	30.3402	17.2331	14.2872	20.179
ENSG00000175768	ENSG00000175768	TOMM5	9:3751088	95.123	62.025	-0.428	4.881	0	0 yes	95.1228	85.0285	105.217	62.0245	53.3769	70.6721
ENSG00000185728	ENSG00000185728	YTHDF3	8:6408111	41.894	27.307	-0.428	4.162	0	0.001 yes	41.8944	36.3096	47.4792	27.3074	23.0308	31.584
ENSG00000130294	ENSG00000130294	KIF1A	2:2416531	76.09	49.733	-0.425	3.506	0	0.008 yes	76.0899	61.7445	90.4353	49.7334	42.1421	57.3247
ENSG00000112419	ENSG00000112419	PHACTR2	6:1438579	24.441	15.99	-0.424	3.694	0	0.004 yes	24.4407	20.556	28.3254	15.9903	13.3384	18.6422
ENSG00000167608	ENSG00000167608	TMC4	19:546638	198.977	130.242	-0.424	5.123	0	0 yes	198.977	173.784	224.17	130.242	116.371	144.112
ENSG00000080815	ENSG00000080815	PSEN1	14:736031	138.963	91.106	-0.422	5.424	0	0 yes	138.963	126.048	151.879	91.1063	79.7295	102.483
ENSG00000153936	ENSG00000153936	HS2ST1	1:8738033	8.608	5.647	-0.422	3.542	0	0.007 yes	8.60822	7.32794	9.8885	5.64693	4.59714	6.69671
ENSG00000196712	ENSG00000196712	NF1	17:294219	34.065	22.511	-0.414	3.49	0	0.009 yes	34.0651	30.1863	37.9439	22.5109	17.8207	27.2011
ENSG00000171401	ENSG00000171401	KRT13	17:396572	424.673	280.95	-0.413	8.744	0	0 yes	424.673	398.538	450.807	280.95	260.801	301.099
ENSG00000198492	ENSG00000198492	YTHDF2	1:2906313	90.236	59.708	-0.413	3.552	0	0.007 yes	90.2361	76.101	104.371	59.708	49.4489	69.9671
ENSG00000075151	ENSG00000075151	EIF4G3	1:2113297	79.434	52.653	-0.411	5.567	0	0 yes	79.4336	71.4956	87.3717	52.6526	46.9241	58.3811
ENSG00000153046	ENSG00000153046	CDYL	6:4706344	25.657	17.015	-0.411	4.658	0	0 yes	25.6571	22.5061	28.808	17.0148	14.8613	19.1684
ENSG00000204618	ENSG00000204618	RNF39	6:3003448	21.949	14.588	-0.409	3.733	0	0.004 yes	21.9487	18.9341	24.9632	14.588	12.1022	17.0738
ENSG00000078687	ENSG00000078687	TNRC6C	17:760002	20.719	13.781	-0.408	4.211	0	0.001 yes	20.7191	17.9064	23.5318	13.7808	11.8769	15.6847
ENSG00000138061	ENSG00000138061	CYP1B1	2:3815032	60.375	40.213	-0.406	3.752	0	0.003 yes	60.3745	52.0558	68.6932	40.2129	33.4907	46.9352
ENSG00000133027	ENSG00000133027	PEMT	17:174088	209.161	139.705	-0.404	4.487	0	0 yes	209.161	188.603	229.719	139.705	118.655	160.754
ENSG00000109452	ENSG00000109452	INPP4B	4:1429443	90.791	60.673	-0.403	3.832	0	0.003 yes	90.7913	81.811	99.7717	60.6732	49.4099	71.9365
ENSG00000196208	ENSG00000196208	GREB1	2:1167424	46.778	31.369	-0.4	3.734	0	0.004 yes	46.7775	41.6344	51.9206	31.3688	25.6083	37.1294
ENSG00000156170	ENSG00000156170	C8orf38	8:9582553	75.834	51.069	-0.395	5.258	0	0 yes	75.8344	68.2014	83.4675	51.0694	45.3624	56.7764
ENSG00000113645	ENSG00000113645	WWC1	5:1677186	864.398	582.949	-0.394	7.153	0	0 yes	864.398	801.285	927.511	582.949	534.873	631.025
ENSG00000115204	ENSG00000115204	MPV17	2:2750525	186.979	126.1	-0.394	6.246	0	0 yes	186.979	172.609	201.348	126.1	113.488	138.712
ENSG00000129083	ENSG00000129083	COPB1	11:144649	146.958	99.071	-0.394	5.721	0	0 yes	146.958	134.18	159.737	99.0709	88.4724	109.669
ENSG00000167397	ENSG00000167397	VKORC1	16:310857	127.567	86.054	-0.394	5.24	0	0 yes	127.567	116.295	138.84	86.0541	75.5953	96.5129

ENSG00000145741	ENSG00000145741	BTF3	5:7279423.	191.99	129.861	-0.391	4.149	0	0.001	yes	191.99	167.494	216.486	129.861	111.844	147.878
ENSG00000135414	ENSG00000135414	GDF11	12:561370.	13.948	9.461	-0.388	3.498	0	0.008	yes	13.9477	11.8894	16.006	9.46059	7.89226	11.0289
ENSG00000142541	ENSG00000142541	RPL13A	19:499908	355.581	241.819	-0.386	6.765	0	0	yes	355.581	332.726	378.435	241.819	219.054	264.583
ENSG00000164742	ENSG00000164742	ADCY1	7:4561373.	17.177	11.68	-0.386	4.093	0	0.001	yes	17.1766	14.8683	19.4849	11.6797	10.1366	13.2229
ENSG00000148344	ENSG00000148344	PTGES	9:1325006.	52.179	35.492	-0.385	4.273	0	0	yes	52.1791	45.9758	58.3823	35.4918	30.6772	40.3064
ENSG00000197381	ENSG00000197381	ADARB1	21:464916.	19.036	12.993	-0.382	4.984	0	0	yes	19.0356	17.2641	20.8072	12.9925	11.4104	14.5746
ENSG00000008710	ENSG00000008710	PKD1	16:208981.	93.522	63.877	-0.381	5.423	0	0	yes	93.5217	84.76	102.283	63.8772	57.1795	70.5748
ENSG00000230259	ENSG00000230259	AC008738.2	19:337908.	25.148	17.172	-0.381	3.772	0	0.003	yes	25.1483	21.7929	28.5038	17.1723	14.5615	19.783
ENSG00000136044	ENSG00000136044	APPL2	12:105567.	99.533	68.044	-0.38	4.493	0	0	yes	99.5329	88.7033	110.362	68.0438	59.2178	76.8697
ENSG00000117419	ENSG00000117419	ERI3	1:4468674	89.66	61.506	-0.377	4.261	0	0	yes	89.6595	77.6982	101.621	61.5058	54.3624	68.6492
ENSG00000177192	ENSG00000177192	PUS1	12:132409.	65.884	45.303	-0.375	3.683	0	0.004	yes	65.8837	59.3146	72.4529	45.3029	37.2737	53.3321
ENSG00000068724	ENSG00000068724	TTC7A	2:4712641.	43.402	29.941	-0.371	4.295	0	0	yes	43.4022	38.9982	47.8062	29.9413	25.7508	34.1318
ENSG00000112715	ENSG00000112715	VEGFA	6:4373792.	121.115	83.682	-0.37	5.087	0	0	yes	121.115	110.062	132.167	83.6822	74.216	93.1484
ENSG00000140961	ENSG00000140961	OSGIN1	16:839826.	96.352	66.635	-0.369	4.932	0	0	yes	96.3523	86.4921	106.212	66.6346	59.3666	73.9026
ENSG00000116455	ENSG00000116455	WDR77	1:1119812.	57.273	39.652	-0.368	4.024	0	0.001	yes	57.2732	50.5572	63.9891	39.6523	34.094	45.2106
ENSG00000169583	ENSG00000169583	CLIC3	9:1398890.	583.564	404.938	-0.365	8.058	0	0	yes	583.564	547.572	619.557	404.938	378.013	431.863
ENSG00000001631	ENSG00000001631	KRIT1	7:9182828.	109.497	76.266	-0.362	4.31	0	0	yes	109.497	97.7524	121.242	76.2662	66.4204	86.112
ENSG00000138794	ENSG00000138794	CASP6	4:1104813.	79.549	55.38	-0.362	4.155	0	0.001	yes	79.5492	70.5063	88.5922	55.3797	48.0596	62.6997
ENSG00000115274	ENSG00000115274	INO80B	2:7468214.	96.473	67.223	-0.361	5.182	0	0	yes	96.4726	87.3476	105.598	67.2226	60.3368	74.1083
ENSG00000233885	ENSG00000233885	YEATS2-AS1	3:1834156.	0.152	0.106	-0.36	4.906	0	0	yes	0.151812	0.137153	0.166471	0.105963	0.09428	0.117647
ENSG00000084754	ENSG00000084754	HADHA	2:2641350.	68.058	47.558	-0.358	4.222	0	0.001	yes	68.0581	60.4435	75.6726	47.5584	41.4847	53.6322
ENSG00000135486	ENSG00000135486	HNRNPA1	12:546247.	198.144	138.684	-0.357	5.192	0	0	yes	198.144	179.943	216.345	138.684	124.506	152.862
ENSG00000258017	ENSG00000258017	RP11-386G11.10	12:495215.	176.005	123.167	-0.357	4.047	0	0.001	yes	176.005	155.765	196.245	123.167	106.689	139.646
ENSG00000150893	ENSG00000150893	FREM2	13:392612.	95.834	67.107	-0.356	5.242	0	0	yes	95.8341	87.1759	104.492	67.1074	60.2898	73.9249
ENSG00000218014	ENSG00000218014	RP11-263F15.1	6:7229442.	179.419	125.761	-0.355	4.742	0	0	yes	179.419	161.22	197.617	125.761	111.887	139.635
ENSG00000238862	ENSG00000238862	SNORD19B	3:5252935.	16.082	11.273	-0.355	16.095	0	0	yes	16.0816	15.5855	16.5778	11.2731	10.9171	11.629
ENSG00000106628	ENSG00000106628	POLD2	7:4415428.	462.402	324.634	-0.354	4.868	0	0	yes	462.402	414.445	510.36	324.634	291.589	357.679
ENSG00000230042	ENSG00000230042	AK3P3	7:2314535.	0.034	0.024	-0.352	5.381	0	0	yes	0.0340106	0.030883	0.0371382	0.0239193	0.021694	0.026145
ENSG00000089737	ENSG00000089737	DDX24	14:945172.	223.289	157.211	-0.351	6.962	0	0	yes	223.289	206.039	240.54	157.211	147.032	167.389
ENSG00000251357	ENSG00000251357	AP000350.10	22:241988.	82.276	57.936	-0.351	3.492	0	0.009	yes	82.2757	71.2951	93.2563	57.9357	49.2392	66.6323
ENSG00000167085	ENSG00000167085	PHB	17:474814	88.972	62.822	-0.348	3.568	0	0.007	yes	88.9724	78.7257	99.2191	62.8218	52.9305	72.7132
ENSG00000124302	ENSG00000124302	CHST8	19:341128.	35.163	24.843	-0.347	4.185	0	0.001	yes	35.1629	31.2229	39.1029	24.843	21.7991	27.8869
ENSG00000147642	ENSG00000147642	SYBU	8:1105862.	98.268	69.484	-0.347	3.828	0	0.003	yes	98.2675	82.787	113.748	69.4837	63.2805	75.6868
ENSG00000145016	ENSG00000145016	KIAA0226	3:1973982.	70.13	50.05	-0.337	3.718	0	0.004	yes	70.1301	61.9107	78.3495	50.05	43.1157	56.9844
ENSG00000164414	ENSG00000164414	SLC35A1	6:8811770.	47.037	33.61	-0.336	3.79	0	0.003	yes	47.0368	41.5658	52.5078	33.6103	29.1096	38.111
ENSG00000175224	ENSG00000175224	ATG13	11:466244	164.478	117.54	-0.336	5.793	0	0	yes	164.478	152.011	176.945	117.54	107.217	127.862
ENSG00000234751	ENSG00000234751	AP002381.2	11:725253.	0.2	0.143	-0.335	6.661	0	0	yes	0.200341	0.186288	0.214393	0.143352	0.133033	0.153671
ENSG00000110047	ENSG00000110047	EHD1	11:646191	178.1	127.535	-0.334	3.562	0	0.007	yes	178.1	162.53	193.671	127.535	106.382	148.688
ENSG00000185963	ENSG00000185963	BICD2	9:9547364.	15.986	11.463	-0.333	4.473	0	0	yes	15.9864	14.4177	17.555	11.463	10.1819	12.7441
ENSG00000167548	ENSG00000167548	MLL2	12:493889.	90.079	64.636	-0.332	4.614	0	0	yes	90.0785	81.7078	98.4491	64.6355	57.5367	71.7344
ENSG00000119711	ENSG00000119711	ALDH6A1	14:743185.	33.467	24.039	-0.331	3.542	0	0.007	yes	33.4671	29.3899	37.5444	24.0387	20.6339	27.4436
ENSG00000184047	ENSG00000184047	DIABLO	12:122688.	137.147	98.797	-0.328	5.501	0	0	yes	137.147	126.025	148.27	98.7971	90.159	107.435
ENSG00000187514	ENSG00000187514	PTMA	2:2325716.	759.594	547.774	-0.327	5.23	0	0	yes	759.594	698.163	821.024	547.774	495.551	599.996
ENSG00000164032	ENSG00000164032	H2AFZ	4:1008692.	242.292	175.645	-0.322	4.338	0	0	yes	242.292	217.363	267.22	175.645	156.888	194.403
ENSG00000099337	ENSG00000099337	KCNK6	19:388104.	55.498	40.397	-0.318	4.045	0	0.001	yes	55.4979	49.6018	61.3941	40.3968	35.7249	45.0687
ENSG00000122085	ENSG00000122085	MTERFD2	2:2419382.	66.694	48.543	-0.318	3.643	0	0.005	yes	66.6937	59.0734	74.3141	48.5428	42.1457	54.94
ENSG00000135473	ENSG00000135473	PAN2	12:566654.	106.969	77.828	-0.318	4.153	0	0.001	yes	106.969	96.8023	117.135	77.8277	68.4792	87.1761
ENSG00000172794	ENSG00000172794	RAB37	17:726667	107.707	78.351	-0.318	5.158	0	0	yes	107.707	97.9555	117.459	78.3508	71.7823	84.9194
ENSG00000257529	ENSG00000257529	RP1-164F3.9	X:1006458	127.803	93.033	-0.318	3.486	0	0.009	yes	127.803	112.23	143.377	93.0326	80.4305	105.635
ENSG00000105778	ENSG00000105778	AVL9	7:3253503.	94.311	68.683	-0.317	4.625	0	0	yes	94.3111	85.6643	102.958	68.683	61.6796	75.6865

ENSG00000159423	ENSG00000159423	ALDH4A1	1:1916609:	51.229	37.31	-0.317	4.491	0	0 yes	51.2291	46.5424	55.9158	37.3098	33.2978	41.3219
ENSG00000131051	ENSG00000131051	RBM39	20:342915:	178.394	130.063	-0.316	5.003	0	0 yes	178.394	163.354	193.434	130.063	117.828	142.297
ENSG00000165792	ENSG00000165792	METTL17	14:214579:	106.148	77.365	-0.316	4.176	0	0.001 yes	106.148	95.853	116.443	77.3651	68.3631	86.3671
ENSG00000157077	ENSG00000157077	ZFYVE9	1:5260804:	9.508	6.937	-0.315	3.53	0	0.008 yes	9.5078	8.40115	10.6144	6.93744	5.99785	7.87704
ENSG00000116299	ENSG00000116299	KIAA1324	1:1096485:	396.589	290.516	-0.311	3.953	0	0.002 yes	396.589	373.478	419.7	290.516	248.02	333.012
ENSG00000163812	ENSG00000163812	ZDHHC3	3:4495674:	85.699	62.827	-0.31	3.728	0	0.004 yes	85.6994	76.1289	95.27	62.8274	55.0651	70.5897
ENSG00000105662	ENSG00000105662	CRTC1	19:187944:	11.359	8.341	-0.309	3.686	0	0.004 yes	11.3588	10.0891	12.6286	8.34118	7.29998	9.38238
ENSG00000085831	ENSG00000085831	TTC39A	1:5175292:	260.022	191.049	-0.308	5.972	0	0 yes	260.022	242.013	278.032	191.049	176.428	205.671
ENSG00000182899	ENSG00000182899	RPL35A	3:1976159:	312.066	230.482	-0.303	4.22	0	0.001 yes	312.066	286.373	337.759	230.482	203.362	257.602
ENSG00000144118	ENSG00000144118	RALB	2:1209976:	101.051	74.782	-0.301	3.695	0	0.004 yes	101.051	87.9152	114.187	74.7824	67.4354	82.1295
ENSG00000168350	ENSG00000168350	DEGS2	14:100612:	283.732	210.042	-0.301	4.363	0	0 yes	283.732	257.575	309.89	210.042	188.511	231.572
ENSG00000248487	ENSG00000248487	ABHD14A	3:5198932:	63.762	47.256	-0.3	3.61	0	0.006 yes	63.7615	56.7719	70.7512	47.2555	41.3653	53.1457
ENSG00000057608	ENSG00000057608	GDI2	10:580718:	152.525	113.183	-0.298	4.119	0	0.001 yes	152.525	136.671	168.38	113.183	101.766	124.601
ENSG00000173402	ENSG00000173402	DAG1	3:4950614:	145.924	108.416	-0.297	4.492	0	0 yes	145.924	132.914	158.933	108.416	97.8218	119.01
ENSG00000113716	ENSG00000113716	HMGXB3	5:1493402:	64.296	47.846	-0.296	4.138	0	0.001 yes	64.2963	58.065	70.5276	47.8457	42.8267	52.8648
ENSG00000072274	ENSG00000072274	TFRC	3:1957540:	476.146	354.854	-0.294	5.191	0	0 yes	476.146	438.299	513.993	354.854	326.218	383.49
ENSG00000137411	ENSG00000137411	VAR52	6:3087596:	79.519	59.259	-0.294	4.074	0	0.001 yes	79.519	72.5484	86.4896	59.2593	52.4615	66.057
ENSG00000149485	ENSG00000149485	FADS1	11:615670:	134.164	100.069	-0.293	4.202	0	0.001 yes	134.164	121.748	146.58	100.069	89.6178	110.52
ENSG00000003989	ENSG00000003989	SLC7A2	8:1735459:	23.774	17.746	-0.292	3.791	0	0.003 yes	23.7742	21.3004	26.248	17.7464	15.7252	19.7677
ENSG00000205476	ENSG00000205476	CCDC85C	14:999475:	118.334	88.339	-0.292	4.392	0	0 yes	118.334	107.77	128.898	88.3389	79.6172	97.0606
ENSG00000198900	ENSG00000198900	TOP1	20:396574:	39.673	29.802	-0.286	3.681	0	0.004 yes	39.6734	35.4841	43.8628	29.8023	26.4031	33.2014
ENSG00000143416	ENSG00000143416	SELENBP1	1:1513367:	870.164	657.046	-0.281	5.77	0	0 yes	870.164	810.504	929.825	657.046	611.62	702.473
ENSG00000168769	ENSG00000168769	TET2	4:1060670:	7.486	5.652	-0.281	4.16	0	0.001 yes	7.48648	6.80449	8.16847	5.6519	5.08769	6.21611
ENSG00000135052	ENSG00000135052	GOLM1	9:8864106:	221.564	167.431	-0.28	4.432	0	0 yes	221.564	203.308	239.819	167.431	151.378	183.484
ENSG00000198755	ENSG00000198755	RPL10A	6:3543618:	239.493	181.033	-0.28	4.4	0	0 yes	239.493	220.28	258.706	181.033	163.162	198.903
ENSG00000257727	ENSG00000257727	CNPY2	12:566654:	129.97	98.572	-0.277	3.542	0	0.007 yes	129.97	116.167	143.772	98.5716	87.2899	109.853
ENSG00000255329	ENSG00000255329	CTA-797E19.3	11:701168:	0.455	0.347	-0.272	16.487	0	0 yes	0.455056	0.444715	0.465398	0.34652	0.338203	0.354838
ENSG00000136883	ENSG00000136883	KIF12	9:1168484:	367.963	281.431	-0.268	4.784	0	0 yes	367.963	340.027	395.899	281.431	258.224	304.638
ENSG00000100568	ENSG00000100568	VTI1B	14:680865:	99.332	76.076	-0.267	3.504	0	0.008 yes	99.3319	89.4042	109.26	76.0764	67.3379	84.8149
ENSG00000184205	ENSG00000184205	TSPYL2	X:5311154:	169.161	129.819	-0.265	4.685	0	0 yes	169.161	155.999	182.323	129.819	119.18	140.457
ENSG00000054148	ENSG00000054148	PHPT1	9:1397431:	169.748	130.355	-0.264	4.031	0	0.001 yes	169.748	155.468	184.027	130.355	117.265	143.445
ENSG00000133872	ENSG00000133872	TMEM66	8:2992052:	355.125	272.867	-0.263	4.988	0	0 yes	355.125	329.489	380.761	272.867	251.82	293.914
ENSG00000141753	ENSG00000141753	IGFBP4	17:385997:	412.306	317.468	-0.261	5.249	0	0 yes	412.306	383.815	440.797	317.468	294.696	340.24
ENSG00000186868	ENSG00000186868	MAPT	17:439717:	27.533	21.22	-0.26	3.954	0	0.002 yes	27.5327	25.0202	30.0452	21.2203	19.2051	23.2356
ENSG00000141524	ENSG00000141524	TMC6	17:761089:	61.173	47.241	-0.258	3.785	0	0.003 yes	61.1732	56.2255	66.1209	47.2407	42.0431	52.4382
ENSG00000231500	ENSG00000231500	RPS18	6:3321731:	728.882	565.655	-0.254	3.912	0	0.002 yes	728.882	663.025	794.74	565.655	513.079	618.23
ENSG00000171302	ENSG00000171302	CANT1	17:769877:	163.074	126.8	-0.252	5.179	0	0 yes	163.074	152.261	173.888	126.8	117.796	135.803
ENSG00000177685	ENSG00000177685	EFCAB4A	11:818901:	141.57	110.093	-0.251	4.848	0	0 yes	141.57	131.632	151.508	110.093	101.682	118.503
ENSG00000102882	ENSG00000102882	MAPK3	16:301254:	282.598	220.036	-0.25	5.604	0	0 yes	282.598	264.577	300.62	220.036	206.282	233.791
ENSG00000139624	ENSG00000139624	CERS5	12:505057:	141.861	110.553	-0.249	3.842	0	0.002 yes	141.861	129.308	154.414	110.553	100.053	121.053
ENSG00000087111	ENSG00000087111	PIGS	17:268804:	137.538	107.282	-0.248	3.965	0	0.002 yes	137.538	125.915	149.16	107.282	97.3522	117.212
ENSG00000113758	ENSG00000113758	DBN1	5:1768836:	321.979	252.334	-0.244	4.689	0	0 yes	321.979	299.083	344.874	252.334	233.195	271.474
ENSG00000182199	ENSG00000182199	SHMT2	12:576231:	246.302	193.632	-0.241	5.196	0	0 yes	246.302	230.317	262.286	193.632	180.839	206.425
ENSG00000164924	ENSG00000164924	YWHAZ	8:1019308:	249.648	196.779	-0.238	4.774	0	0 yes	249.648	233.268	266.027	196.779	182.007	211.551
ENSG00000120738	ENSG00000120738	EGR1	5:1378011:	186.902	147.417	-0.237	4.499	0	0 yes	186.902	173.423	200.38	147.417	136.065	158.77
ENSG00000130702	ENSG00000130702	LAMA5	20:608771:	695.803	550.322	-0.235	5.476	0	0 yes	695.803	656.124	735.481	550.322	515.136	585.507
ENSG00000100412	ENSG00000100412	ACO2	22:418651:	73.865	58.462	-0.234	3.694	0	0.004 yes	73.8654	67.2088	80.522	58.4618	53.2605	63.6631
ENSG00000131759	ENSG00000131759	RARA	17:384654:	173.216	137.447	-0.231	4.701	0	0 yes	173.216	161.23	185.202	137.447	127.832	147.063
ENSG00000164466	ENSG00000164466	SFXN1	5:1749040:	347.991	276.252	-0.231	4.279	0	0 yes	347.991	324.937	371.046	276.252	252.72	299.784
ENSG00000171345	ENSG00000171345	KRT19	17:396798:	2912.98	2316.13	-0.229	6.013	0	0 yes	2912.98	2758.02	3067.95	2316.13	2189.56	2442.7

ENSG00000172809	ENSG00000172809	RPL38	17:721997	876.643	700.706	-0.224	3.886	0	0.002	yes	876.643	807.855	945.431	700.706	641.528	759.883
ENSG00000072310	ENSG00000072310	SREBF1	17:175847	1697.02	1361.28	-0.22	7.539	0	0	yes	1697.02	1628.82	1765.23	1361.28	1303.45	1419.1
ENSG00000010404	ENSG00000010404	IDS	X:1485585	124.117	100.141	-0.215	3.741	0	0.004	yes	124.117	114.47	133.764	100.141	91.6882	108.594
ENSG00000157106	ENSG00000157106	SMG1	16:188161	18.612	15.02	-0.214	3.683	0	0.004	yes	18.6118	17.0723	20.1514	15.02	13.7891	16.2508
ENSG00000123349	ENSG00000123349	PFDN5	12:536890	609.964	497.054	-0.205	3.765	0	0.003	yes	609.964	565.67	654.258	497.054	456.814	537.293
ENSG00000175416	ENSG00000175416	CLTB	5:1757924	582.195	475.78	-0.202	4.048	0	0.001	yes	582.195	542.182	622.208	475.78	441.402	510.158
ENSG00000182473	ENSG00000182473	EXOC7	17:740752	179.121	146.738	-0.199	3.982	0	0.001	yes	179.121	169.694	188.549	146.738	134.235	159.24
ENSG00000100280	ENSG00000100280	AP1B1	22:297236	180.995	149.554	-0.191	4.449	0	0	yes	180.995	170.324	191.666	149.554	140.236	158.871
ENSG00000133112	ENSG00000133112	TPT1	13:459110	1041.63	863.239	-0.188	4.009	0	0.001	yes	1041.63	976.631	1106.62	863.239	802.886	923.593
ENSG00000110492	ENSG00000110492	MDK	11:464023	470.305	390.505	-0.186	3.535	0	0.007	yes	470.305	436.593	504.016	390.505	360.435	420.575
ENSG00000112655	ENSG00000112655	PTK7	6:4304400	227.101	188.712	-0.185	3.746	0	0.004	yes	227.101	211.228	242.974	188.712	175.52	201.904
ENSG00000127837	ENSG00000127837	AAMP	2:2191288	535.893	446.557	-0.182	4.042	0	0.001	yes	535.893	501.714	570.073	446.557	418.056	475.058
ENSG00000167972	ENSG00000167972	ABCA3	16:232587	138.976	115.922	-0.181	3.749	0	0.003	yes	138.976	129.435	148.518	115.922	108.017	123.826
ENSG00000163468	ENSG00000163468	CCT3	1:1562787	724.44	606.864	-0.177	4.815	0	0	yes	724.44	688.746	760.133	606.864	573.713	640.014
ENSG00000181222	ENSG00000181222	SLC35G6	17:736268	210.169	176.63	-0.174	4.455	0	0	yes	210.169	198.781	221.557	176.63	166.709	186.551
ENSG00000107331	ENSG00000107331	ABCA2	9:1399016	719.226	605.358	-0.172	3.971	0	0.002	yes	719.226	678.76	759.692	605.358	565.338	645.377
ENSG00000183495	ENSG00000183495	EP400	12:132434	18.926	16	-0.168	3.596	0	0.006	yes	18.9262	17.6996	20.1528	16.0002	14.9241	17.0763
ENSG00000142192	ENSG00000142192	APP	21:272528	420.199	356.214	-0.165	3.617	0	0.006	yes	420.199	393.374	447.025	356.214	332.945	379.483
ENSG00000196498	ENSG00000196498	NCOR2	12:124808	663.199	563.827	-0.162	3.866	0	0.002	yes	663.199	624.335	702.063	563.827	529.906	597.747
ENSG00000124222	ENSG00000124222	STX16	20:572263	213.601	182.651	-0.157	3.517	0	0.008	yes	213.601	200.684	226.519	182.651	170.721	194.582
ENSG00000007202	ENSG00000007202	KIAA0100	17:269046	131.683	112.958	-0.153	3.75	0	0.003	yes	131.683	124.106	139.261	112.958	106.391	119.526
ENSG00000197102	ENSG00000197102	DYNC1H1	14:102430	726.352	627.452	-0.146	3.856	0	0.002	yes	726.352	687.407	765.297	627.452	593.728	661.175
ENSG00000197746	ENSG00000197746	PSAP	10:735760	420.294	366.806	-0.136	3.499	0	0.008	yes	420.294	397.424	443.164	366.806	346.404	387.208
ENSG00000143569	ENSG00000143569	UBAP2L	1:1541791	431.456	383.399	-0.118	3.545	0	0.007	yes	431.456	411.579	451.333	383.399	364.948	401.85
ENSG00000111644	ENSG00000111644	ACRBP	12:672800	0.246	0	-1.79769e+	-1.79769e+	0	0.001	yes	0.246093	0.116939	0.375246	0	0	0
ENSG00000116701	ENSG00000116701	NCF2	1:1834300	0.031	0	-1.79769e+	-1.79769e+	0	0	yes	0.0305123	0.0292698	0.0317549	0	0	0
ENSG00000116783	ENSG00000116783	AC093158.1	1:7466392	0.193	0	-1.79769e+	-1.79769e+	0	0	yes	0.193163	0.153636	0.23269	0	0	0
ENSG00000121318	ENSG00000121318	TAS2R10	12:109775	0.062	0	-1.79769e+	-1.79769e+	0	0	yes	0.0616099	0.0510048	0.0722149	0	0	0
ENSG00000122986	ENSG00000122986	HVCN1	12:111051	0.018	0	-1.79769e+	-1.79769e+	0	0	yes	0.0175458	0.0152693	0.0198222	0	0	0
ENSG00000124208	ENSG00000124208	TMEM189-UBE2V1	20:486976	1.531	0	-1.79769e+	-1.79769e+	0	0	yes	1.53106	1.05472	2.00741	0	0	0
ENSG00000127364	ENSG00000127364	TAS2R4	7:1414041	0.006	0	-1.79769e+	-1.79769e+	0	0	yes	0.00639384	0.00580648	0.0069812	0	0	0
ENSG00000134398	ENSG00000134398	ERN2	16:236901	1.253	0	-1.79769e+	-1.79769e+	0	0	yes	1.25293	0.866207	1.63965	0	0	0
ENSG00000152672	ENSG00000152672	CLEC4F	2:7103577	1.11	0	-1.79769e+	-1.79769e+	0	0	yes	1.10985	0.586846	1.63286	0	0	0
ENSG00000165409	ENSG00000165409	TSHR	14:809433	0.184	0	-1.79769e+	-1.79769e+	0	0	yes	0.183985	0.148407	0.219564	0	0	0
ENSG00000167355	ENSG00000167355	AC104389.28	11:527441	0.046	0	-1.79769e+	-1.79769e+	0	0	yes	0.0457774	0.0364332	0.0551217	0	0	0
ENSG00000170509	ENSG00000170509	HSD17B13	4:8822494	1.619	0	-1.79769e+	-1.79769e+	0	0	yes	1.61937	1.09367	2.14508	0	0	0
ENSG00000171189	ENSG00000171189	GRIK1	21:305658	0.024	0	-1.79769e+	-1.79769e+	0	0	yes	0.0235733	0.0196704	0.0274763	0	0	0
ENSG00000172209	ENSG00000172209	GPR22	7:1068094	0.029	0	-1.79769e+	-1.79769e+	0	0	yes	0.0289486	0.0275876	0.0303096	0	0	0
ENSG00000173585	ENSG00000173585	CCR9	3:4586480	0.02	0	-1.79769e+	-1.79769e+	0	0.008	yes	0.0203228	0.00803473	0.032611	0	0	0
ENSG00000175206	ENSG00000175206	NPPA	1:1182184	0.053	0	-1.79769e+	-1.79769e+	0	0	yes	0.0529668	0.0490512	0.0568823	0	0	0
ENSG00000175773	ENSG00000175773	RP11-121M22.1	11:130096	0.014	0	-1.79769e+	-1.79769e+	0	0	yes	0.0143368	0.0120769	0.0165966	0	0	0
ENSG00000177182	ENSG00000177182	CLVS1	8:6196971	0.18	0	-1.79769e+	-1.79769e+	0	0	yes	0.180134	0.162576	0.197692	0	0	0
ENSG00000178965	ENSG00000178965	C1orf173	1:7501808	0.024	0	-1.79769e+	-1.79769e+	0	0	yes	0.0235562	0.0217334	0.0253791	0	0	0
ENSG00000179256	ENSG00000179256	C12orf69	12:149565	0.008	0	-1.79769e+	-1.79769e+	0	0	yes	0.00844278	0.00573892	0.0111466	0	0	0
ENSG00000183426	ENSG00000183426	NPIP	16:147664	0.006	0	-1.79769e+	-1.79769e+	0	0	yes	0.006221	0.00382647	0.00861554	0	0	0
ENSG00000184084	ENSG00000184084	CTD-2372A4.1	5:7292198	0.327	0	-1.79769e+	-1.79769e+	0	0	yes	0.326936	0.302602	0.351271	0	0	0
ENSG00000184434	ENSG00000184434	LRRC19	9:2690408	0.002	0	-1.79769e+	-1.79769e+	0	0	yes	0.00198668	0.00181193	0.00216143	0	0	0
ENSG00000187144	ENSG00000187144	SPATA21	1:1667906	0.023	0	-1.79769e+	-1.79769e+	0	0	yes	0.0232852	0.0221493	0.0244212	0	0	0
ENSG00000187721	ENSG00000187721	RP11-301J16.2	13:195208	0.229	0	-1.79769e+	-1.79769e+	0	0	yes	0.229221	0.155811	0.30263	0	0	0
ENSG00000187747	ENSG00000187747	OR52B6	11:527441	0.053	0	-1.79769e+	-1.79769e+	0	0	yes	0.0530712	0.0422381	0.0639044	0	0	0

ENSG00000197071	ENSG00000197071	AC010243.1	5:8748544:	0.15	0	-1.79769e+ -1.79769e+	0	0	yes	0.150239	0.118912	0.181567	0	0	0
ENSG00000198553	ENSG00000198553	KCNRG	13:505700:	7.476	0	-1.79769e+ -1.79769e+	0	0	yes	7.47569	6.03907	8.9123	0	0	0
ENSG00000199509	ENSG00000199509	5S_rRNA	20:211066:	2.085	0	-1.79769e+ -1.79769e+	0	0	yes	2.08484	1.54654	2.62315	0	0	0
ENSG00000199719	ENSG00000199719	7SK	20:182691:	0.556	0	-1.79769e+ -1.79769e+	0	0	yes	0.556108	0.454151	0.658064	0	0	0
ENSG00000201199	ENSG00000201199	snoU2_19	11:933948:	57.05	0	-1.79769e+ -1.79769e+	0	0	yes	57.0499	52.0938	62.0061	0	0	0
ENSG00000202415	ENSG00000202415	7SK	1:9982170:	0.229	0	-1.79769e+ -1.79769e+	0	0	yes	0.22915	0.193363	0.264937	0	0	0
ENSG00000203466	ENSG00000203466	RP11-182J1.4	15:851426:	0.206	0	-1.79769e+ -1.79769e+	0	0	yes	0.206228	0.15914	0.253316	0	0	0
ENSG00000204422	ENSG00000204422	LY6G6E	6:3165472:	1.205	0	-1.79769e+ -1.79769e+	0	0	yes	1.20522	0.742346	1.6681	0	0	0
ENSG00000204775	ENSG00000204775	AC145291.1	8:1453170:	0.589	0	-1.79769e+ -1.79769e+	0	0.008	yes	0.589305	0.233941	0.944669	0	0	0
ENSG00000205231	ENSG00000205231	RP11-465B22.6	1:1108435:	0.02	0	-1.79769e+ -1.79769e+	0	0.002	yes	0.0202302	0.00941671	0.0310437	0	0	0
ENSG00000205424	ENSG00000205424	AL592528.1	21:470636:	0.01	0	-1.79769e+ -1.79769e+	0	0	yes	0.0101545	0.008244	0.012065	0	0	0
ENSG00000207145	ENSG00000207145	SNORA18	11:933948:	7.662	0	-1.79769e+ -1.79769e+	0	0	yes	7.66211	6.99647	8.32775	0	0	0
ENSG00000207185	ENSG00000207185	U6	11:118307:	10.857	0	-1.79769e+ -1.79769e+	0	0	yes	10.8572	10.5506	11.1638	0	0	0
ENSG00000207314	ENSG00000207314	SNORA44	1:2887959:	13.188	0	-1.79769e+ -1.79769e+	0	0	yes	13.1884	11.7494	14.6274	0	0	0
ENSG00000207601	ENSG00000207601	MIR611	11:614479:	18.648	0	-1.79769e+ -1.79769e+	0	0	yes	18.6482	17.4476	19.8488	0	0	0
ENSG00000212464	ENSG00000212464	SNORA12	10:101989:	7.493	0	-1.79769e+ -1.79769e+	0	0	yes	7.49289	6.60676	8.37901	0	0	0
ENSG00000212496	ENSG00000212496	U6	12:505695:	4.651	0	-1.79769e+ -1.79769e+	0	0	yes	4.65115	4.23091	5.07138	0	0	0
ENSG00000213703	ENSG00000213703	RP5-849H19.2	1:6292039:	0.126	0	-1.79769e+ -1.79769e+	0	0	yes	0.125815	0.111836	0.139795	0	0	0
ENSG00000213707	ENSG00000213707	HMGB1P10	22:269214:	0.233	0	-1.79769e+ -1.79769e+	0	0	yes	0.232937	0.189494	0.27638	0	0	0
ENSG00000214535	ENSG00000214535	RPS15AP1	20:211066:	0.144	0	-1.79769e+ -1.79769e+	0	0	yes	0.143998	0.106818	0.181178	0	0	0
ENSG00000214593	ENSG00000214593	RP11-65N13.6	9:1280240:	1.053	0	-1.79769e+ -1.79769e+	0	0	yes	1.05301	0.989077	1.11695	0	0	0
ENSG00000217624	ENSG00000217624	RP11-204C16.4	X:4137418:	0.048	0	-1.79769e+ -1.79769e+	0	0	yes	0.048493	0.0437148	0.0532711	0	0	0
ENSG00000219790	ENSG00000219790	RP11-129K24.3	6:5681977:	0.242	0	-1.79769e+ -1.79769e+	0	0	yes	0.241654	0.169607	0.313701	0	0	0
ENSG00000220891	ENSG00000220891	LL22NC03-63E9.3	22:228901:	0.006	0	-1.79769e+ -1.79769e+	0	0	yes	0.00574986	0.00492423	0.00657549	0	0	0
ENSG00000221025	ENSG00000221025	MIR1250	17:790089:	17.27	0	-1.79769e+ -1.79769e+	0	0	yes	17.2698	16.3487	18.191	0	0	0
ENSG00000221170	ENSG00000221170	MIR1304	11:933948:	36.037	0	-1.79769e+ -1.79769e+	0	0	yes	36.037	32.9063	39.1677	0	0	0
ENSG00000221585	ENSG00000221585	MIR1226	3:4784439:	61.999	0	-1.79769e+ -1.79769e+	0	0	yes	61.9988	59.3165	64.6811	0	0	0
ENSG00000221656	ENSG00000221656	MIR1225	16:208981:	36.98	0	-1.79769e+ -1.79769e+	0	0	yes	36.9801	35.9619	37.9982	0	0	0
ENSG00000222383	ENSG00000222383	5S_rRNA	6:1074797:	4.517	0	-1.79769e+ -1.79769e+	0	0	yes	4.51654	3.05118	5.9819	0	0	0
ENSG00000222482	ENSG00000222482	AC005071.1	7:9977518:	34.744	0	-1.79769e+ -1.79769e+	0	0	yes	34.7435	32.3795	37.1075	0	0	0
ENSG00000222750	ENSG00000222750	U4	16:194218:	4.629	0	-1.79769e+ -1.79769e+	0	0	yes	4.62928	3.83243	5.42613	0	0	0
ENSG00000223430	ENSG00000223430	AC011243.1	2:1334293:	0.227	0	-1.79769e+ -1.79769e+	0	0	yes	0.226719	0.193823	0.259615	0	0	0
ENSG00000223522	ENSG00000223522	AC093690.1	2:2799458:	0.039	0	-1.79769e+ -1.79769e+	0	0	yes	0.0390225	0.0362971	0.041748	0	0	0
ENSG00000223703	ENSG00000223703	AC027612.4	2:9192475:	0.022	0	-1.79769e+ -1.79769e+	0	0	yes	0.0224049	0.0173312	0.0274786	0	0	0
ENSG00000223787	ENSG00000223787	RP4-593M8.1	1:9297425:	0.195	0	-1.79769e+ -1.79769e+	0	0	yes	0.194666	0.155135	0.234196	0	0	0
ENSG00000223878	ENSG00000223878	AC005517.3	17:153393:	0.113	0	-1.79769e+ -1.79769e+	0	0	yes	0.112684	0.0893143	0.136053	0	0	0
ENSG00000223998	ENSG00000223998	RP11-321N4.3	6:8621521:	0.075	0	-1.79769e+ -1.79769e+	0	0	yes	0.0749178	0.0711578	0.0786779	0	0	0
ENSG00000224055	ENSG00000224055	GAPDHP55	15:441629:	0.034	0	-1.79769e+ -1.79769e+	0	0	yes	0.0342241	0.0295559	0.0388922	0	0	0
ENSG00000224623	ENSG00000224623	RP11-247I13.8	22:317955:	0.171	0	-1.79769e+ -1.79769e+	0	0	yes	0.170588	0.165104	0.176073	0	0	0
ENSG00000225133	ENSG00000225133	MORF4L1P4	13:417070:	0.077	0	-1.79769e+ -1.79769e+	0	0	yes	0.0765724	0.0692963	0.0838485	0	0	0
ENSG00000225187	ENSG00000225187	AC073283.7	2:4712641:	0.025	0	-1.79769e+ -1.79769e+	0	0	yes	0.0254039	0.0241777	0.02663	0	0	0
ENSG00000225205	ENSG00000225205	AC093818.1	2:1732920:	0.039	0	-1.79769e+ -1.79769e+	0	0	yes	0.0393961	0.0324045	0.0463878	0	0	0
ENSG00000225839	ENSG00000225839	TRMT2B-AS1	X:1002643:	0.26	0	-1.79769e+ -1.79769e+	0	0	yes	0.260069	0.23785	0.282288	0	0	0
ENSG00000226054	ENSG00000226054	MEMO1P1	21:375026:	0.118	0	-1.79769e+ -1.79769e+	0	0	yes	0.117779	0.112214	0.123343	0	0	0
ENSG00000226059	ENSG00000226059	HMGB3P20	7:2670668:	0.141	0	-1.79769e+ -1.79769e+	0	0	yes	0.140636	0.126412	0.154861	0	0	0
ENSG00000226143	ENSG00000226143	RP1-138B7.5	20:421363:	0.079	0	-1.79769e+ -1.79769e+	0	0	yes	0.0790259	0.0557224	0.102329	0	0	0
ENSG00000226784	ENSG00000226784	PGAM4	X:7716619:	0.023	0	-1.79769e+ -1.79769e+	0	0	yes	0.0234246	0.0192343	0.0276149	0	0	0
ENSG00000226953	ENSG00000226953	AC010890.1	2:1334293:	0.177	0	-1.79769e+ -1.79769e+	0	0	yes	0.177085	0.151386	0.202785	0	0	0
ENSG00000226963	ENSG00000226963	AC078883.4	2:1732920:	0.017	0	-1.79769e+ -1.79769e+	0	0	yes	0.0166753	0.0137159	0.0196347	0	0	0
ENSG00000227200	ENSG00000227200	RP11-121A14.3	9:1270198:	0.004	0	-1.79769e+ -1.79769e+	0	0	yes	0.00357693	0.00315093	0.00400294	0	0	0

ENSG00000227528	ENSG00000227528	DIAPH3-AS1	13:602397	0	0 -1.79769e+ -1.79769e+	0	0 yes	0.000453266	0.00037282	0.000533707	0	0	0
ENSG00000227589	ENSG00000227589	RP5-1092A11.5	1:3547330	0.068	0 -1.79769e+ -1.79769e+	0	0 yes	0.0679361	0.063327	0.0725453	0	0	0
ENSG00000228021	ENSG00000228021	RP11-383C5.3	10:127371	0.22	0 -1.79769e+ -1.79769e+	0	0 yes	0.219771	0.193735	0.245807	0	0	0
ENSG00000228595	ENSG00000228595	PAICSP2	9:9432537	0.035	0 -1.79769e+ -1.79769e+	0	0 yes	0.0349044	0.0281871	0.0416218	0	0	0
ENSG00000228838	ENSG00000228838	RP4-784A16.2	1:5371121	2.658	0 -1.79769e+ -1.79769e+	0	0.003 yes	2.65804	1.19932	4.11675	0	0	0
ENSG00000229534	ENSG00000229534	AC015691.7	11:527441	0.116	0 -1.79769e+ -1.79769e+	0	0 yes	0.115895	0.0922379	0.139552	0	0	0
ENSG00000229863	ENSG00000229863	RP11-157F20.1	3:5712400	0.207	0 -1.79769e+ -1.79769e+	0	0 yes	0.206743	0.12996	0.283525	0	0	0
ENSG00000230116	ENSG00000230116	RP11-163G10.2	1:4289599	0.053	0 -1.79769e+ -1.79769e+	0	0 yes	0.0527514	0.0466703	0.0588325	0	0	0
ENSG00000230194	ENSG00000230194	AC000081.2	22:191669	0.066	0 -1.79769e+ -1.79769e+	0	0 yes	0.0655779	0.052717	0.0784388	0	0	0
ENSG00000230340	ENSG00000230340	AC019257.1	8:1772141	0.062	0 -1.79769e+ -1.79769e+	0	0 yes	0.0618594	0.0545692	0.0691495	0	0	0
ENSG00000230698	ENSG00000230698	CTD-2330K9.2	3:4992443	0.115	0 -1.79769e+ -1.79769e+	0	0 yes	0.11532	0.101682	0.128958	0	0	0
ENSG00000230940	ENSG00000230940	RP11-32B11.2	9:1347354	0.397	0 -1.79769e+ -1.79769e+	0	0 yes	0.397251	0.287073	0.507429	0	0	0
ENSG00000230953	ENSG00000230953	RP4-631H13.6	1:5336165	0.733	0 -1.79769e+ -1.79769e+	0	0 yes	0.732656	0.659844	0.805467	0	0	0
ENSG00000231521	ENSG00000231521	RP11-244N9.4	9:1002634	1.06	0 -1.79769e+ -1.79769e+	0	0 yes	1.06029	0.999802	1.12078	0	0	0
ENSG00000231542	ENSG00000231542	TAB3-AS1	X:3084555	1.636	0 -1.79769e+ -1.79769e+	0	0 yes	1.63554	1.46217	1.8089	0	0	0
ENSG00000231792	ENSG00000231792	RP5-1198E17.1	1:1738312	0.12	0 -1.79769e+ -1.79769e+	0	0 yes	0.120466	0.101478	0.139454	0	0	0
ENSG00000231882	ENSG00000231882	F10-AS1	13:113777	0.171	0 -1.79769e+ -1.79769e+	0	0.001 yes	0.171405	0.0828921	0.259919	0	0	0
ENSG00000231887	ENSG00000231887	PRH1	12:109775	0.11	0 -1.79769e+ -1.79769e+	0	0 yes	0.10979	0.0908915	0.128688	0	0	0
ENSG00000231942	ENSG00000231942	RP13-923O23.5	8:8270405	0.033	0 -1.79769e+ -1.79769e+	0	0 yes	0.0325898	0.0217266	0.0434531	0	0	0
ENSG00000231951	ENSG00000231951	AC004837.4	7:3960597	3.38	0 -1.79769e+ -1.79769e+	0	0.003 yes	3.38026	1.50249	5.25803	0	0	0
ENSG00000232371	ENSG00000232371	ZNF878	19:120984	1.609	0 -1.79769e+ -1.79769e+	0	0 yes	1.60868	0.978736	2.23863	0	0	0
ENSG00000232739	ENSG00000232739	RP11-25G10.2	10:152536	0.018	0 -1.79769e+ -1.79769e+	0	0 yes	0.0178324	0.0131494	0.0225154	0	0	0
ENSG00000232830	ENSG00000232830	RP11-144C15.1	3:1010430	0.258	0 -1.79769e+ -1.79769e+	0	0 yes	0.257623	0.195532	0.319713	0	0	0
ENSG00000232912	ENSG00000232912	RP5-1115A15.1	1:8412456	0.067	0 -1.79769e+ -1.79769e+	0	0 yes	0.0670335	0.0641746	0.0698925	0	0	0
ENSG00000233033	ENSG00000233033	CASK-AS1	X:4137418	0.163	0 -1.79769e+ -1.79769e+	0	0 yes	0.162899	0.146848	0.178949	0	0	0
ENSG00000233246	ENSG00000233246	RP11-415J8.5	1:3378029	0.261	0 -1.79769e+ -1.79769e+	0	0 yes	0.261326	0.240601	0.28205	0	0	0
ENSG00000233579	ENSG00000233579	KRT8P15	2:2036406	0.068	0 -1.79769e+ -1.79769e+	0	0 yes	0.0684329	0.057368	0.0794979	0	0	0
ENSG00000233603	ENSG00000233603	JTBP1	22:411656	0.187	0 -1.79769e+ -1.79769e+	0	0 yes	0.186725	0.161076	0.212374	0	0	0
ENSG00000233793	ENSG00000233793	RP11-501H19.4	X:2773419	7.912	0 -1.79769e+ -1.79769e+	0	0.001 yes	7.9119	3.76568	12.0581	0	0	0
ENSG00000234076	ENSG00000234076	TPRG1-AS1	3:1886595	0.074	0 -1.79769e+ -1.79769e+	0	0 yes	0.0739971	0.0516861	0.0963081	0	0	0
ENSG00000234271	ENSG00000234271	RP1-138B7.4	20:421363	0.578	0 -1.79769e+ -1.79769e+	0	0 yes	0.578018	0.40757	0.748467	0	0	0
ENSG00000234324	ENSG00000234324	AC005517.2	17:153393	0.073	0 -1.79769e+ -1.79769e+	0	0 yes	0.0733416	0.0581313	0.0885519	0	0	0
ENSG00000234336	ENSG00000234336	AC005017.1	7:2777301	0.049	0 -1.79769e+ -1.79769e+	0	0 yes	0.0494904	0.0464743	0.0525065	0	0	0
ENSG00000234483	ENSG00000234483	AC010680.1	2:1793875	0.005	0 -1.79769e+ -1.79769e+	0	0 yes	0.00496976	0.00412057	0.00581895	0	0	0
ENSG00000234650	ENSG00000234650	PCCA-AS1	13:100741	0.294	0 -1.79769e+ -1.79769e+	0	0 yes	0.294356	0.238144	0.350569	0	0	0
ENSG00000235105	ENSG00000235105	RP11-329A14.1	1:4876104	0.016	0 -1.79769e+ -1.79769e+	0	0 yes	0.0155009	0.0116556	0.0193463	0	0	0
ENSG00000235652	ENSG00000235652	RP11-545I5.3	6:1461363	0.173	0 -1.79769e+ -1.79769e+	0	0 yes	0.172644	0.146316	0.198971	0	0	0
ENSG00000235763	ENSG00000235763	SNRPGP5	10:129386	0.529	0 -1.79769e+ -1.79769e+	0	0 yes	0.529468	0.477424	0.581512	0	0	0
ENSG00000236132	ENSG00000236132	CTA-440B3.1	22:321499	0.134	0 -1.79769e+ -1.79769e+	0	0 yes	0.133632	0.119585	0.147679	0	0	0
ENSG00000236256	ENSG00000236256	DIAPH2-AS1	X:9593966	0.114	0 -1.79769e+ -1.79769e+	0	0 yes	0.113508	0.0978028	0.129212	0	0	0
ENSG00000236439	ENSG00000236439	RP11-175B9.3	1:2023178	0.214	0 -1.79769e+ -1.79769e+	0	0 yes	0.213925	0.194753	0.233097	0	0	0
ENSG00000236472	ENSG00000236472	AC002401.1	17:482111	4.559	0 -1.79769e+ -1.79769e+	0	0.003 yes	4.5586	2.0112	7.10599	0	0	0
ENSG00000236474	ENSG00000236474	GCNT1P1	20:183640	0.02	0 -1.79769e+ -1.79769e+	0	0 yes	0.0201791	0.0172039	0.0231544	0	0	0
ENSG00000236546	ENSG00000236546	RP1-118J21.5	1:4036109	0.034	0 -1.79769e+ -1.79769e+	0	0 yes	0.0343344	0.0234769	0.0451918	0	0	0
ENSG00000237380	ENSG00000237380	AC009336.21	2:1769863	0.006	0 -1.79769e+ -1.79769e+	0	0 yes	0.00578445	0.00455802	0.00701089	0	0	0
ENSG00000237416	ENSG00000237416	RP11-465K1.2	1:9528589	0.149	0 -1.79769e+ -1.79769e+	0	0 yes	0.149225	0.114521	0.183929	0	0	0
ENSG00000237806	ENSG00000237806	RP11-262M14.1	3:1807014	0.339	0 -1.79769e+ -1.79769e+	0	0 yes	0.339071	0.242194	0.435948	0	0	0
ENSG00000237813	ENSG00000237813	AC002066.1	7:1158505	0.097	0 -1.79769e+ -1.79769e+	0	0 yes	0.0972139	0.0880546	0.106373	0	0	0
ENSG00000237916	ENSG00000237916	RP11-537E18.1	2:1103003	0.322	0 -1.79769e+ -1.79769e+	0	0 yes	0.321677	0.245325	0.39803	0	0	0
ENSG00000237996	ENSG00000237996	RP11-258A12.3	10:114710	0.015	0 -1.79769e+ -1.79769e+	0	0 yes	0.0151051	0.0135574	0.0166528	0	0	0

ENSG00000238111	ENSG00000238111	AC066692.3	2:2397153	0.015	0	-1.79769e+ -1.79769e+	0	0	yes	0.0154858	0.0138489	0.0171227	0	0	0
ENSG00000238298	ENSG00000238298	snoU13	9:1333200	35.545	0	-1.79769e+ -1.79769e+	0	0	yes	35.5452	23.3533	47.7371	0	0	0
ENSG00000238567	ENSG00000238567	snoU13	2:1718473	11.858	0	-1.79769e+ -1.79769e+	0	0	yes	11.8577	10.7786	12.9368	0	0	0
ENSG00000238868	ENSG00000238868	snoU13	7:1399934	1.959	0	-1.79769e+ -1.79769e+	0	0	yes	1.9586	1.75658	2.16061	0	0	0
ENSG00000238924	ENSG00000238924	U7	10:103433	186.086	0	-1.79769e+ -1.79769e+	0	0	yes	186.086	177.37	194.803	0	0	0
ENSG00000239344	ENSG00000239344	RP11-771F20.1	8:1044956	0.131	0	-1.79769e+ -1.79769e+	0	0	yes	0.130609	0.118521	0.142696	0	0	0
ENSG00000239783	ENSG00000239783	RP5-1050K3.3	20:455232	0.093	0	-1.79769e+ -1.79769e+	0	0	yes	0.0933234	0.0845052	0.102142	0	0	0
ENSG00000240695	ENSG00000240695	RP11-102M11.1	3:1359691	0.159	0	-1.79769e+ -1.79769e+	0	0	yes	0.158773	0.152074	0.165472	0	0	0
ENSG00000240766	ENSG00000240766	PLCXD2-AS1	3:1113935	0.007	0	-1.79769e+ -1.79769e+	0	0	yes	0.00740083	0.00534821	0.00945346	0	0	0
ENSG00000241420	ENSG00000241420	AC074338.1	7:3253503	0.171	0	-1.79769e+ -1.79769e+	0	0	yes	0.170921	0.165279	0.176562	0	0	0
ENSG00000241550	ENSG00000241550	AC104212.1	8:8083095	0.206	0	-1.79769e+ -1.79769e+	0	0	yes	0.205663	0.192524	0.218803	0	0	0
ENSG00000241651	ENSG00000241651	RP11-214O14.1	4:1289824	0.057	0	-1.79769e+ -1.79769e+	0	0	yes	0.0573459	0.0475112	0.0671807	0	0	0
ENSG00000241853	ENSG00000241853	RP11-147K6.1	4:8901141	0.433	0	-1.79769e+ -1.79769e+	0	0	yes	0.432756	0.37303	0.492482	0	0	0
ENSG00000241895	ENSG00000241895	AL157827.2	9:9505963	48.322	0	-1.79769e+ -1.79769e+	0	0	yes	48.3224	44.7055	51.9392	0	0	0
ENSG00000242094	ENSG00000242094	FOXP1-IT1	3:7100384	0.018	0	-1.79769e+ -1.79769e+	0	0	yes	0.01834	0.0168104	0.0198697	0	0	0
ENSG00000242180	ENSG00000242180	OR51B5	11:527441	0.029	0	-1.79769e+ -1.79769e+	0	0	yes	0.0294162	0.0234117	0.0354208	0	0	0
ENSG00000242219	ENSG00000242219	AC011442.1	19:110715	0.544	0	-1.79769e+ -1.79769e+	0	0	yes	0.543618	0.53001	0.557225	0	0	0
ENSG00000242719	ENSG00000242719	AC009634.1	8:4270477	1.199	0	-1.79769e+ -1.79769e+	0	0	yes	1.19883	1.03755	1.36011	0	0	0
ENSG00000242761	ENSG00000242761	RP11-115P21.1	18:320732	0.04	0	-1.79769e+ -1.79769e+	0	0	yes	0.0403414	0.0367687	0.0439141	0	0	0
ENSG00000243243	ENSG00000243243	AC073130.3	7:1158505	0.084	0	-1.79769e+ -1.79769e+	0	0	yes	0.0843188	0.0763761	0.0922614	0	0	0
ENSG00000243341	ENSG00000243341	RP11-436A20.3	3:1807014	0.128	0	-1.79769e+ -1.79769e+	0	0	yes	0.12763	0.0911645	0.164096	0	0	0
ENSG00000243806	ENSG00000243806	CTC-484P3.1	5:9348867	0.153	0	-1.79769e+ -1.79769e+	0	0	yes	0.153232	0.130131	0.176332	0	0	0
ENSG00000244052	ENSG00000244052	RPL5P24	8:1038385	0.119	0	-1.79769e+ -1.79769e+	0	0	yes	0.11915	0.113554	0.124747	0	0	0
ENSG00000244307	ENSG00000244307	AF235103.1	8:1459976	0.015	0	-1.79769e+ -1.79769e+	0	0	yes	0.0146098	0.0113223	0.0178973	0	0	0
ENSG00000244604	ENSG00000244604	RP11-713H12.1	17:833917	0.17	0	-1.79769e+ -1.79769e+	0	0	yes	0.170453	0.162083	0.178823	0	0	0
ENSG00000245043	ENSG00000245043	AC073210.1	7:6449873	0.066	0	-1.79769e+ -1.79769e+	0	0.005	yes	0.0663407	0.0280389	0.104642	0	0	0
ENSG00000245148	ENSG00000245148	ARAP1-AS2	11:723961	0.056	0	-1.79769e+ -1.79769e+	0	0	yes	0.0556607	0.0546498	0.0566716	0	0	0
ENSG00000245521	ENSG00000245521	AL139082.1	13:526110	0.012	0	-1.79769e+ -1.79769e+	0	0	yes	0.0116539	0.00944161	0.0138662	0	0	0
ENSG00000247872	ENSG00000247872	CTD-2198K18.1	5:710470	0.112	0	-1.79769e+ -1.79769e+	0	0	yes	0.112229	0.103425	0.121033	0	0	0
ENSG00000248245	ENSG00000248245	CTB-49A3.2	5:1324961	0.033	0	-1.79769e+ -1.79769e+	0	0	yes	0.0326669	0.0214619	0.0438719	0	0	0
ENSG00000248394	ENSG00000248394	CTD-2034L19.1	4:1289824	0.061	0	-1.79769e+ -1.79769e+	0	0	yes	0.0614806	0.0509368	0.0720245	0	0	0
ENSG00000248470	ENSG00000248470	AL356752.1	13:113344	0.005	0	-1.79769e+ -1.79769e+	0	0	yes	0.00492642	0.00460523	0.00524762	0	0	0
ENSG00000248476	ENSG00000248476	BACH1-IT1	21:305658	0.048	0	-1.79769e+ -1.79769e+	0	0	yes	0.0481149	0.0401509	0.056079	0	0	0
ENSG00000248492	ENSG00000248492	AC015599.1	8:1354900	0	0	-1.79769e+ -1.79769e+	0	0	yes	0.000260489	0.00022907	0.000291905	0	0	0
ENSG00000248636	ENSG00000248636	RP11-768F21.1	12:119772	0.214	0	-1.79769e+ -1.79769e+	0	0	yes	0.214343	0.197617	0.231068	0	0	0
ENSG00000248820	ENSG00000248820	RP11-15B17.3	4:1008692	0.529	0	-1.79769e+ -1.79769e+	0	0	yes	0.529344	0.498326	0.560361	0	0	0
ENSG00000249098	ENSG00000249098	RP11-39E3.4	3:1305694	0.183	0	-1.79769e+ -1.79769e+	0	0	yes	0.183378	0.173344	0.193412	0	0	0
ENSG00000249310	ENSG00000249310	CTA-150C2.16	22:393783	0.186	0	-1.79769e+ -1.79769e+	0	0	yes	0.1856	0.132022	0.239178	0	0	0
ENSG00000249633	ENSG00000249633	OR52V1P	11:527441	0.115	0	-1.79769e+ -1.79769e+	0	0	yes	0.114996	0.0915227	0.13847	0	0	0
ENSG00000249715	ENSG00000249715	AC068539.1	2:9725890	0.011	0	-1.79769e+ -1.79769e+	0	0	yes	0.0114105	0.0107228	0.0120983	0	0	0
ENSG00000250068	ENSG00000250068	RP11-576C12.1	9:1151422	0.438	0	-1.79769e+ -1.79769e+	0	0	yes	0.437991	0.396789	0.479194	0	0	0
ENSG00000250174	ENSG00000250174	MYLK-AS2	3:1233043	0.058	0	-1.79769e+ -1.79769e+	0	0	yes	0.0576117	0.0439346	0.0712888	0	0	0
ENSG00000250487	ENSG00000250487	RP11-43D2.6	5:1239726	0.236	0	-1.79769e+ -1.79769e+	0	0	yes	0.23647	0.161692	0.311248	0	0	0
ENSG00000250623	ENSG00000250623	RP11-317B7.3	4:2073644	0.037	0	-1.79769e+ -1.79769e+	0	0	yes	0.0367498	0.0319855	0.041514	0	0	0
ENSG00000250697	ENSG00000250697	CTD-2066L21.3	5:3292574	11.434	0	-1.79769e+ -1.79769e+	0	0	yes	11.4335	6.0355	16.8315	0	0	0
ENSG00000250780	ENSG00000250780	AL356423.1	13:991024	0.027	0	-1.79769e+ -1.79769e+	0	0	yes	0.0271327	0.0248658	0.0293997	0	0	0
ENSG00000250963	ENSG00000250963	RP11-423H2.2	5:1772364	0.003	0	-1.79769e+ -1.79769e+	0	0	yes	0.00322967	0.00249829	0.00396104	0	0	0
ENSG00000251018	ENSG00000251018	RP11-80G7.1	5:1628871	0.059	0	-1.79769e+ -1.79769e+	0	0	yes	0.0594993	0.0525469	0.0664516	0	0	0
ENSG00000251095	ENSG00000251095	RP11-115D19.1	4:9047250	0.061	0	-1.79769e+ -1.79769e+	0	0	yes	0.0608597	0.0366994	0.08502	0	0	0
ENSG00000251131	ENSG00000251131	CTD-2035E11.3	5:4301451	0.536	0	-1.79769e+ -1.79769e+	0	0	yes	0.536257	0.484619	0.587896	0	0	0

ENSG00000251154	ENSG00000251154	AC006153.3	7:8996453	0.339	0	-1.79769e+ -1.79769e+	0	0	yes	0.339307	0.315463	0.363151	0	0	0	
ENSG00000252494	ENSG00000252494	U6	11:778119	19.626	0	-1.79769e+ -1.79769e+	0	0	yes	19.6263	17.7486	21.504	0	0	0	
ENSG00000252974	ENSG00000252974	AC121334.1	12:396870	92.337	0	-1.79769e+ -1.79769e+	0	0	yes	92.3373	84.3828	100.292	0	0	0	
ENSG00000253172	ENSG00000253172	CTC-209H22.3	5:1725711	0.136	0	-1.79769e+ -1.79769e+	0	0	yes	0.136343	0.120805	0.151881	0	0	0	
ENSG00000253174	ENSG00000253174	RP11-360L9.7	8:4138672	0.241	0	-1.79769e+ -1.79769e+	0	0	yes	0.240838	0.225959	0.255717	0	0	0	
ENSG00000253302	ENSG00000253302	RP11-181D18.2	8:7433223	0.003	0	-1.79769e+ -1.79769e+	0	0	yes	0.0026705	0.00232717	0.00301383	0	0	0	
ENSG00000253406	ENSG00000253406	AC012613.2	5:1485210	0.009	0	-1.79769e+ -1.79769e+	0	0	yes	0.00904555	0.00818113	0.00990998	0	0	0	
ENSG00000253518	ENSG00000253518	CTD-2031P19.4	5:5523092	0.072	0	-1.79769e+ -1.79769e+	0	0	yes	0.0716044	0.0628237	0.0803851	0	0	0	
ENSG00000253528	ENSG00000253528	RP11-347C18.4	8:9582553	0.418	0	-1.79769e+ -1.79769e+	0	0	yes	0.417953	0.400992	0.434914	0	0	0	
ENSG00000254460	ENSG00000254460	RP11-939C17.4	11:751456	0.065	0	-1.79769e+ -1.79769e+	0	0	yes	0.0648234	0.0501438	0.079503	0	0	0	
ENSG00000254633	ENSG00000254633	RP11-23J9.7	9:1000000	0.039	0	-1.79769e+ -1.79769e+	0	0	yes	0.0389954	0.031157	0.0468338	0	0	0	
ENSG00000254788	ENSG00000254788	CKLF-CMTM1	16:665864	24.754	0	-1.79769e+ -1.79769e+	0	0	yes	24.7541	18.968	30.5402	0	0	0	
ENSG00000255010	ENSG00000255010	RP11-113K21.3	11:827831	0.398	0	-1.79769e+ -1.79769e+	0	0	yes	0.397803	0.281752	0.513855	0	0	0	
ENSG00000255158	ENSG00000255158	RP11-754B17.1	11:644232	0.053	0	-1.79769e+ -1.79769e+	0	0	yes	0.0531152	0.0511948	0.0550356	0	0	0	
ENSG00000255276	ENSG00000255276	RP11-23F23.1	11:411593	0.638	0	-1.79769e+ -1.79769e+	0	0	yes	0.638439	0.602637	0.674241	0	0	0	
ENSG00000255478	ENSG00000255478	RP11-867O8.5	11:651349	0.126	0	-1.79769e+ -1.79769e+	0	0	yes	0.126292	0.104791	0.147794	0	0	0	
ENSG00000255581	ENSG00000255581	RP11-69M1.4	12:791781	0.158	0	-1.79769e+ -1.79769e+	0	0	yes	0.15786	0.145919	0.169802	0	0	0	
ENSG00000255723	ENSG00000255723	RP11-529H2.2	4:8822494	0.198	0	-1.79769e+ -1.79769e+	0	0	yes	0.197576	0.133474	0.261679	0	0	0	
ENSG00000255958	ENSG00000255958	RP11-656E20.5	12:103650	0.024	0	-1.79769e+ -1.79769e+	0	0	yes	0.0243083	0.0152804	0.0333362	0	0	0	
ENSG00000255990	ENSG00000255990	AC034102.1	12:563676	0.643	0	-1.79769e+ -1.79769e+	0	0.001	yes	0.643244	0.316183	0.970305	0	0	0	
ENSG00000256278	ENSG00000256278	RP11-182J1.5	15:851426	0.091	0	-1.79769e+ -1.79769e+	0	0	yes	0.0911565	0.07038	0.111933	0	0	0	
ENSG00000256329	ENSG00000256329	AC006064.2	12:660114	0.898	0	-1.79769e+ -1.79769e+	0	0	yes	0.898272	0.855916	0.940629	0	0	0	
ENSG00000256650	ENSG00000256650	RERG-IT1	12:152607	0.488	0	-1.79769e+ -1.79769e+	0	0	yes	0.487898	0.4253	0.550495	0	0	0	
ENSG00000256757	ENSG00000256757	RP11-159N11.3	11:113276	0.196	0	-1.79769e+ -1.79769e+	0	0	yes	0.195803	0.124306	0.2673	0	0	0	
ENSG00000256813	ENSG00000256813	RP11-804A23.4	11:606034	4.485	0	-1.79769e+ -1.79769e+	0	0.002	yes	4.48531	2.06111	6.90951	0	0	0	
ENSG00000256898	ENSG00000256898	RP11-707G14.8	11:735837	0.068	0	-1.79769e+ -1.79769e+	0	0	yes	0.0675429	0.0635029	0.071583	0	0	0	
ENSG00000257077	ENSG00000257077	RP11-467L20.6	11:614479	2.961	0	-1.79769e+ -1.79769e+	0	0	yes	2.96145	1.55389	4.369	0	0	0	
ENSG00000257241	ENSG00000257241	RP11-611E13.3	12:701324	0.264	0	-1.79769e+ -1.79769e+	0	0	yes	0.263757	0.251526	0.275989	0	0	0	
ENSG00000257355	ENSG00000257355	CTD-2006C1.10	19:120984	0.007	0	-1.79769e+ -1.79769e+	0	0	yes	0.00708522	0.00515687	0.00901357	0	0	0	
ENSG00000257446	ENSG00000257446	AC022415.4	19:120984	1.611	0	-1.79769e+ -1.79769e+	0	0	yes	1.61128	0.98021	2.24235	0	0	0	
ENSG00000257613	ENSG00000257613	RP11-320P7.1	12:701324	0.044	0	-1.79769e+ -1.79769e+	0	0	yes	0.0439745	0.0419352	0.0460137	0	0	0	
ENSG00000258011	ENSG00000258011	HMG1A1P3	12:110810	0.137	0	-1.79769e+ -1.79769e+	0	0	yes	0.136759	0.129734	0.143784	0	0	0	
ENSG00000258571	ENSG00000258571	PTTG4P	14:713741	0.563	0	-1.79769e+ -1.79769e+	0	0	yes	0.562929	0.528952	0.596906	0	0	0	
ENSG00000258653	ENSG00000258653	RP5-1021I20.4	14:743185	0.391	0	-1.79769e+ -1.79769e+	0	0.002	yes	0.391244	0.185322	0.597166	0	0	0	
ENSG00000258830	ENSG00000258830	RP11-123K3.4	12:576372	0.563	0	-1.79769e+ -1.79769e+	0	0.007	yes	0.563133	0.228568	0.897697	0	0	0	
ENSG00000258966	ENSG00000258966	RP5-1163L11.3	14:713741	0.119	0	-1.79769e+ -1.79769e+	0	0	yes	0.119113	0.111924	0.126303	0	0	0	
ENSG00000259014	ENSG00000259014	RP4-647C14.5	14:737418	0.024	0	-1.79769e+ -1.79769e+	0	0	yes	0.0238332	0.0224115	0.025255	0	0	0	
ENSG00000259118	ENSG00000259118	RP11-840I19.3	14:653810	0.052	0	-1.79769e+ -1.79769e+	0	0	yes	0.0520726	0.0505465	0.0535987	0	0	0	
ENSG00000128645	ENSG00000128645	HOXD1	2:1769863	0.091	0.007	-2.546	3.309	0.001	0.015	yes	0.091424	0	0.230928	0.00716936	0.005743	0.008596
ENSG00000214274	ENSG00000214274	ANG	14:211522	27.75	2.566	-2.381	3.215	0.001	0.02	yes	27.7502	0	67.0814	2.56627	1.46159	3.67095
ENSG00000250234	ENSG00000250234	CTD-2024P10.1	5:3465634	0.961	0.094	-2.33	3.34	0.001	0.014	yes	0.961335	0	2.29373	0.0935134	0.078293	0.108733
ENSG00000249823	ENSG00000249823	RP11-311D14.2	4:1064737	1.113	0.158	-1.954	3.347	0.001	0.014	yes	1.11323	0	2.41174	0.157813	0.150634	0.164992
ENSG00000251467	ENSG00000251467	CTC-250P20.2	5:7225180	0.621	0.093	-1.894	3.473	0.001	0.009	yes	0.621435	0	1.29348	0.0934609	0.080075	0.106847
ENSG00000256690	ENSG00000256690	RP11-727F15.9	11:625997	6.394	1.077	-1.781	3.177	0.001	0.023	yes	6.39442	3.79148	8.99736	1.0769	0	2.20216
ENSG00000253502	ENSG00000253502	ATP6V1G1P2	8:4800119	3.563	0.601	-1.779	3.279	0.001	0.017	yes	3.56273	0.511492	6.61398	0.601327	0.200442	1.00221
ENSG00000253773	ENSG00000253773	KB-1047C11.2	8:9621668	9.601	1.682	-1.742	3.39	0.001	0.012	yes	9.60091	6.01322	13.1886	1.68177	0.071662	3.29188
ENSG00000250900	ENSG00000250900	CTC-338M12.6	5:1806189	17.277	3.072	-1.727	3.287	0.001	0.016	yes	17.2769	13.1595	21.3942	3.07197	0	6.21613
ENSG00000236404	ENSG00000236404	RP11-125B21.2	9:2422701	8.686	1.666	-1.651	3.332	0.001	0.014	yes	8.68645	6.36271	11.0102	1.66634	0.076157	3.25652
ENSG00000257851	ENSG00000257851	RP11-199A1.1	12:519840	0.455	0.087	-1.651	3.389	0.001	0.012	yes	0.454986	0.0259608	0.884012	0.0873091	0.065976	0.108642
ENSG00000092529	ENSG00000092529	CAPN3	15:425664	2.491	0.489	-1.629	3.446	0.001	0.01	yes	2.49108	1.13069	3.85146	0.488681	0.111638	0.865724

ENSG00000244078	ENSG00000244078	RP11-431I8.1	3:1599434.	2.063	0.442	-1.541	3.384	0.001	0.012	yes	2.06284	0.187111	3.93856	0.441675	0.418674	0.464675
ENSG00000188001	ENSG00000188001	TPRG1	3:1886595I	5.825	1.263	-1.529	3.414	0.001	0.011	yes	5.82502	3.39949	8.25055	1.26296	0.261598	2.26433
ENSG00000258559	ENSG00000258559	AC005519.4	14:747521.	2.333	0.584	-1.385	3.186	0.001	0.022	yes	2.33307	1.46189	3.20426	0.583922	0.125382	1.04246
ENSG00000232630	ENSG00000232630	PRPS1P2	9:1279088.	3.976	1.048	-1.333	3.248	0.001	0.018	yes	3.97586	2.54468	5.40703	1.04846	0.275232	1.82169
ENSG00000182993	ENSG00000182993	C12orf60	12:149565I	6.368	1.775	-1.277	3.405	0.001	0.011	yes	6.36782	4.20394	8.5317	1.77511	0.587462	2.96275
ENSG00000122012	ENSG00000122012	SV2C	5:7537777I	0.053	0.015	-1.237	3.278	0.001	0.017	yes	0.0525188	0.0172024	0.0878353	0.015242	0.010013	0.020471
ENSG00000109189	ENSG00000109189	USP46	4:5346033I	14.124	5.046	-1.029	3.276	0.001	0.017	yes	14.124	8.10048	20.1475	5.04638	2.71755	7.37521
ENSG00000129535	ENSG00000129535	NRL	14:245493	4.92	1.793	-1.009	3.445	0.001	0.01	yes	4.9201	3.40095	6.43926	1.79326	0.900193	2.68633
ENSG00000148737	ENSG00000148737	TCF7L2	10:114710I	22.169	8.328	-0.979	3.308	0.001	0.015	yes	22.1688	9.86692	34.4707	8.32827	6.61466	10.0419
ENSG00000159128	ENSG00000159128	IFNGR2	21:347572I	28.974	10.894	-0.978	3.352	0.001	0.013	yes	28.9744	21.768	36.1808	10.8942	5.14167	16.6468
ENSG00000076258	ENSG00000076258	FMO4	1:1712833.	6.554	2.703	-0.886	3.301	0.001	0.016	yes	6.55354	4.20691	8.90017	2.70261	1.62198	3.78323
ENSG00000171169	ENSG00000171169	NAIF1	9:1308235	22.408	9.44	-0.864	3.31	0.001	0.015	yes	22.4077	16.0485	28.7668	9.43959	5.29978	13.5794
ENSG00000235546	ENSG00000235546	AC087499.5	17:205159I	5.31	2.337	-0.821	3.477	0.001	0.009	yes	5.30998	3.9731	6.64686	2.337	1.4039	3.2701
ENSG00000157107	ENSG00000157107	FCHO2	5:7225180	13.297	6.118	-0.776	3.288	0.001	0.016	yes	13.2972	9.23697	17.3575	6.11844	3.91506	8.32182
ENSG00000248168	ENSG00000248168	AC138028.2	16:887382	1.428	0.672	-0.754	3.304	0.001	0.015	yes	1.42833	1.07157	1.78508	0.672017	0.415334	0.928701
ENSG00000110013	ENSG00000110013	SIAE	11:124492	10.892	5.166	-0.746	3.437	0.001	0.01	yes	10.8921	8.07581	13.7084	5.16632	3.3656	6.96704
ENSG00000138380	ENSG00000138380	ALS2CR8	2:2037453.	8.816	4.217	-0.737	3.297	0.001	0.016	yes	8.81626	6.37593	11.2566	4.2174	2.73565	5.69916
ENSG00000228834	ENSG00000228834	RP11-249L21.4	6:1091696	95.225	45.902	-0.73	3.298	0.001	0.016	yes	95.2248	71.8291	118.62	45.9018	29.0081	62.7955
ENSG00000110446	ENSG00000110446	SLC15A3	11:606806.	18.19	8.933	-0.711	3.313	0.001	0.015	yes	18.1902	14.319	22.0614	8.93291	5.60256	12.2632
ENSG00000167165	ENSG00000167165	UGT1A6	2:2345262I	0.218	0.109	-0.688	3.229	0.001	0.019	yes	0.21775	0.128466	0.307035	0.109403	0.096651	0.122155
ENSG00000166526	ENSG00000166526	ZNF3	7:9964738I	77.199	38.858	-0.686	3.244	0.001	0.019	yes	77.1985	46.0071	108.39	38.8577	33.97	43.7454
ENSG00000198400	ENSG00000198400	NTRK1	1:1567760.	0.136	0.069	-0.673	3.393	0.001	0.012	yes	0.136062	0.102974	0.169151	0.0693823	0.047616	0.091149
ENSG00000161813	ENSG00000161813	LARP4	12:507200	24.66	12.7	-0.664	3.3	0.001	0.016	yes	24.6603	15.8869	33.4336	12.6998	10.3172	15.0824
ENSG00000197429	ENSG00000197429	IPP	1:4609297I	9.735	5.104	-0.646	3.409	0.001	0.011	yes	9.73531	6.91623	12.5544	5.10367	3.85708	6.35027
ENSG00000229638	ENSG00000229638	RP11-110C15.4	3:1850007.	7.532	3.948	-0.646	3.338	0.001	0.014	yes	7.53171	5.8198	9.24361	3.94782	2.71119	5.18446
ENSG00000230870	ENSG00000230870	FBXW11P1	21:329994.	7.219	3.954	-0.602	3.324	0.001	0.015	yes	7.21886	5.63991	8.7978	3.95408	2.81264	5.09553
ENSG00000186106	ENSG00000186106	ANKRD46	8:1015219	27.175	15.048	-0.591	3.175	0.001	0.023	yes	27.1745	21.238	33.111	15.0482	10.512	19.5845
ENSG00000204390	ENSG00000204390	HSPA1L	6:3177739I	4.498	2.492	-0.591	3.324	0.001	0.015	yes	4.49841	3.57425	5.42257	2.49182	1.76908	3.21457
ENSG00000127838	ENSG00000127838	PNKD	2:2191351	84.416	46.81	-0.59	3.414	0.001	0.011	yes	84.4161	60.6006	108.232	46.8095	37.4763	56.1427
ENSG00000100522	ENSG00000100522	GNPNAT1	14:532419	72.817	40.733	-0.581	3.428	0.001	0.011	yes	72.8174	55.764	89.8708	40.7331	30.7517	50.7146
ENSG00000115541	ENSG00000115541	HSPE1	2:1983513I	29.949	16.91	-0.572	3.271	0.001	0.017	yes	29.9486	24.1767	35.7206	16.9098	11.9794	21.8402
ENSG00000149313	ENSG00000149313	AASDHPPT	11:105921I	18.782	10.661	-0.566	3.313	0.001	0.015	yes	18.7815	14.1048	23.4581	10.6608	8.16299	13.1585
ENSG00000255432	ENSG00000255432	RP11-831H9.11	11:624143	29.843	16.941	-0.566	3.443	0.001	0.01	yes	29.8434	23.7144	35.9723	16.9414	12.5899	21.2928
ENSG00000168496	ENSG00000168496	FEN1	11:614479I	11.882	6.772	-0.562	3.367	0.001	0.013	yes	11.8824	9.41652	14.3483	6.77245	5.00081	8.54408
ENSG00000176261	ENSG00000176261	ZBTB8OS	1:3293065	31.113	17.802	-0.558	3.186	0.001	0.022	yes	31.1133	24.6677	37.5589	17.8018	12.7689	22.8347
ENSG00000114126	ENSG00000114126	TFDP2	3:1416632	46.817	27.637	-0.527	3.263	0.001	0.018	yes	46.817	39.0862	54.5479	27.6365	19.9613	35.3117
ENSG00000197620	ENSG00000197620	CXorf40A	X:1485585.	25.311	15.167	-0.512	3.47	0.001	0.009	yes	25.3114	21.6916	28.9312	15.1667	11.2505	19.0829
ENSG00000138433	ENSG00000138433	CIR1	2:1752127.	14.595	8.982	-0.485	3.411	0.001	0.011	yes	14.5948	11.5051	17.6845	8.98205	7.27284	10.6913
ENSG00000154277	ENSG00000154277	UCHL1	4:4122209I	36.749	22.773	-0.479	3.329	0.001	0.014	yes	36.7488	27.7165	45.781	22.7732	19.3779	26.1686
ENSG00000174775	ENSG00000174775	HRAS	11:532241.	598.726	372.76	-0.474	3.298	0.001	0.016	yes	598.726	462.738	734.714	372.76	307.146	438.374
ENSG00000174579	ENSG00000174579	MSL2	3:1358677I	57.614	36.478	-0.457	3.377	0.001	0.012	yes	57.6144	50.1682	65.0606	36.4777	27.8016	45.1539
ENSG00000112365	ENSG00000112365	ZBTB24	6:1097652I	4.057	2.58	-0.453	3.48	0.001	0.009	yes	4.05742	3.37722	4.73763	2.58032	2.06719	3.09345
ENSG00000233830	ENSG00000233830	AC073150.4	7:2749778	49.577	32.623	-0.418	3.347	0.001	0.014	yes	49.5765	41.5284	57.6245	32.6232	26.4186	38.8278
ENSG00000153993	ENSG00000153993	SEMA3D	7:8462486.	16.501	10.883	-0.416	3.385	0.001	0.012	yes	16.501	13.8584	19.1435	10.8826	8.85174	12.9136
ENSG00000131381	ENSG00000131381	ZFYVE20	3:1511157I	55.78	37.645	-0.393	3.395	0.001	0.012	yes	55.7796	50.4286	61.1306	37.6449	29.7069	45.5828
ENSG00000204859	ENSG00000204859	ZBTB48	1:6640060.	18.697	12.714	-0.386	3.286	0.001	0.016	yes	18.6973	15.6714	21.7233	12.714	10.5526	14.8754
ENSG00000050426	ENSG00000050426	LETMD1	12:514417.	96.095	65.539	-0.383	3.433	0.001	0.01	yes	96.0948	78.5555	113.634	65.5386	57.1485	73.9288
ENSG00000139116	ENSG00000139116	KIF21A	12:396870.	11.035	7.667	-0.364	3.415	0.001	0.011	yes	11.0348	9.12121	12.9484	7.66728	6.71631	8.61825
ENSG00000249921	ENSG00000249921	CTC-329H14.1	5:1080835.	57.057	39.947	-0.357	3.39	0.001	0.012	yes	57.0572	49.1265	64.988	39.9465	33.64	46.253
ENSG00000126226	ENSG00000126226	PCID2	13:113831I	50.145	35.519	-0.345	3.42	0.001	0.011	yes	50.1448	44.137	56.1526	35.5187	29.7569	41.2805

ENSG00000162889	ENSG00000162889	MAPKAPK2	1:2068582:	318.94	225.853	-0.345	3.214	0.001	0.02	yes	318.94	272.49	365.391	225.853	190.204	261.501
ENSG00000169967	ENSG00000169967	MAP3K2	2:1280563:	40.604	28.771	-0.344	3.214	0.001	0.02	yes	40.6035	35.6812	45.5259	28.7713	23.6856	33.8569
ENSG00000204310	ENSG00000204310	AGPAT1	6:3211613:	185.382	131.84	-0.341	3.44	0.001	0.01	yes	185.382	161.235	209.529	131.84	112.15	151.53
ENSG00000134905	ENSG00000134905	CARS2	13:111267:	76.45	54.709	-0.335	3.311	0.001	0.015	yes	76.4498	67.169	85.7306	54.709	45.8675	63.5505
ENSG00000139289	ENSG00000139289	PHLDA1	12:764192:	22.86	16.358	-0.335	3.193	0.001	0.022	yes	22.8596	19.6603	26.059	16.3582	13.806	18.9104
ENSG00000114279	ENSG00000114279	FGF12	3:1918596:	30.063	21.631	-0.329	3.254	0.001	0.018	yes	30.063	25.8372	34.2889	21.6305	18.4833	24.7778
ENSG00000196126	ENSG00000196126	HLA-DRB1	6:3254654:	61.389	44.382	-0.324	3.459	0.001	0.01	yes	61.3886	53.6992	69.078	44.3824	38.1878	50.5769
ENSG00000154889	ENSG00000154889	MPPE1	18:116891:	16.73	12.189	-0.317	3.383	0.001	0.012	yes	16.7302	14.611	18.8494	12.1888	10.5086	13.8689
ENSG00000214014	ENSG00000214014	OVCA2	17:193343:	102.289	74.567	-0.316	3.391	0.001	0.012	yes	102.289	89.5341	115.044	74.5667	64.2337	84.8997
ENSG00000121310	ENSG00000121310	ECHDC2	1:5336165:	84.041	61.404	-0.314	3.281	0.001	0.017	yes	84.0409	73.3808	94.7009	61.4039	52.6124	70.1954
ENSG00000101654	ENSG00000101654	RNMT	18:137266:	29.795	21.952	-0.306	3.32	0.001	0.015	yes	29.7953	25.9648	33.6258	21.9518	19.0614	24.8423
ENSG00000175029	ENSG00000175029	CTBP2	10:126605:	55.443	40.811	-0.306	3.25	0.001	0.018	yes	55.4425	48.4635	62.4215	40.8105	35.0807	46.5402
ENSG00000215472	ENSG00000215472	RPL17	18:470148:	69.481	51.467	-0.3	3.185	0.001	0.022	yes	69.4812	60.8911	78.0714	51.4671	44.1456	58.7886
ENSG00000197375	ENSG00000197375	SLC22A5	5:1315205:	56.779	42.585	-0.288	3.187	0.001	0.022	yes	56.7789	50.1771	63.3807	42.5845	36.7021	48.4669
ENSG00000070366	ENSG00000070366	SMG6	17:196313:	28.694	21.7	-0.279	3.392	0.001	0.012	yes	28.6939	26.2543	31.1334	21.6995	18.637	24.7619
ENSG00000143093	ENSG00000143093	FAM40A	1:1105741:	43.937	33.309	-0.277	3.345	0.001	0.014	yes	43.937	38.9944	48.8796	33.3088	29.2608	37.3568
ENSG00000182481	ENSG00000182481	KPNA2	17:658216:	60.936	46.561	-0.269	3.294	0.001	0.016	yes	60.9363	54.1701	67.7024	46.5613	40.9822	52.1403
ENSG00000148296	ENSG00000148296	SURF6	9:1361975:	45.657	34.918	-0.268	3.238	0.001	0.019	yes	45.657	40.5973	50.7166	34.9182	30.6197	39.2168
ENSG00000186501	ENSG00000186501	TMEM222	1:2764865:	63.6	49.031	-0.26	3.192	0.001	0.022	yes	63.6	56.1856	71.0145	49.0308	43.4435	54.6182
ENSG00000121067	ENSG00000121067	SPOP	17:476762:	50.178	38.734	-0.259	3.305	0.001	0.015	yes	50.1783	45.2001	55.1566	38.7337	34.0388	43.4287
ENSG00000167552	ENSG00000167552	TUBA1A	12:495785:	86.847	67.407	-0.253	3.259	0.001	0.018	yes	86.8471	78.4812	95.213	67.407	59.1778	75.6362
ENSG00000109079	ENSG00000109079	TNFAIP1	17:266627:	38.237	29.841	-0.248	3.389	0.001	0.012	yes	38.2369	34.4644	42.0094	29.8406	26.616	33.0653
ENSG00000083845	ENSG00000083845	RPS5	19:588986:	368.098	287.667	-0.247	3.396	0.001	0.012	yes	368.098	331.445	404.75	287.667	257.272	318.062
ENSG00000141219	ENSG00000141219	C17orf80	17:711887:	23.94	18.74	-0.245	3.359	0.001	0.013	yes	23.9403	21.613	26.2676	18.7396	16.7028	20.7763
ENSG00000060339	ENSG00000060339	CCAR1	10:704807:	145.787	114.883	-0.238	3.434	0.001	0.01	yes	145.787	132.878	158.697	114.883	102.611	127.156
ENSG00000126351	ENSG00000126351	THRA	17:382184:	23.995	18.981	-0.234	3.236	0.001	0.019	yes	23.9947	21.6636	26.3258	18.9806	16.9401	21.021
ENSG00000198742	ENSG00000198742	SMURF1	7:9847555:	42.51	33.909	-0.226	3.337	0.001	0.014	yes	42.5099	38.6013	46.4185	33.9088	30.5345	37.2831
ENSG00000109971	ENSG00000109971	HSPA8	11:122928:	299.105	239.503	-0.222	3.252	0.001	0.018	yes	299.105	271.763	326.448	239.503	215.172	263.833
ENSG00000244462	ENSG00000244462	RBM12	20:342139:	124.03	99.782	-0.218	3.437	0.001	0.01	yes	124.03	113.535	134.524	99.7823	90.3894	109.175
ENSG00000130222	ENSG00000130222	GADD45G	9:9221992:	162.374	131.064	-0.214	3.237	0.001	0.019	yes	162.374	147.404	177.345	131.064	118.62	143.509
ENSG00000167741	ENSG00000167741	GGT6	17:446022:	75.844	61.714	-0.206	3.473	0.001	0.009	yes	75.8441	69.5107	82.1774	61.7135	56.5045	66.9226
ENSG00000110075	ENSG00000110075	PPP6R3	11:682281:	104.924	86.586	-0.192	3.186	0.001	0.022	yes	104.924	96.5619	113.286	86.5859	78.7489	94.4228
ENSG00000198925	ENSG00000198925	ATG9A	2:2200744:	111.276	91.821	-0.192	3.202	0.001	0.021	yes	111.276	102.297	120.255	91.821	83.6599	99.9821
ENSG00000171604	ENSG00000171604	CXXC5	5:1390268:	340.757	282.446	-0.188	3.189	0.001	0.022	yes	340.757	314.832	366.683	282.446	257.078	307.814
ENSG00000090905	ENSG00000090905	TNRC6A	16:247410:	33.32	27.801	-0.181	3.224	0.001	0.02	yes	33.3195	30.9454	35.6936	27.8009	25.3872	30.2146
ENSG00000140836	ENSG00000140836	ZFHX3	16:728167:	21.025	17.565	-0.18	3.323	0.001	0.015	yes	21.0248	19.4474	22.6023	17.5645	16.1945	18.9345
ENSG00000141380	ENSG00000141380	SS18	18:235962:	87.538	73.596	-0.173	3.234	0.001	0.019	yes	87.5376	80.897	94.1783	73.5957	68.0119	79.1795
ENSG00000196923	ENSG00000196923	PDLIM7	5:1769103:	259.595	218.581	-0.172	3.38	0.001	0.012	yes	259.595	241.327	277.862	218.581	202.514	234.649
ENSG00000023191	ENSG00000023191	RNH1	11:494511:	188.036	159.457	-0.165	3.471	0.001	0.009	yes	188.036	175.98	200.093	159.457	148.278	170.636
ENSG00000170027	ENSG00000170027	YWHAG	7:7595611:	368.16	314.519	-0.157	3.283	0.001	0.016	yes	368.16	343.827	392.494	314.519	292.656	336.382
ENSG00000100605	ENSG00000100605	ITPK1	14:934032:	440.529	379.721	-0.149	3.29	0.001	0.016	yes	440.529	414.715	466.342	379.721	353.635	405.806
ENSG00000110092	ENSG00000110092	CCND1	11:694558:	815.645	703.08	-0.149	3.295	0.001	0.016	yes	815.645	765.155	866.136	703.08	657.02	749.141
ENSG00000196557	ENSG00000196557	CACNA1H	16:120324:	120.065	103.732	-0.146	3.179	0.001	0.023	yes	120.065	112.365	127.764	103.732	96.8913	110.573
ENSG00000177731	ENSG00000177731	FLII	17:181289:	706.317	613.124	-0.141	3.376	0.001	0.012	yes	706.317	665.963	746.671	613.124	575.519	650.729
ENSG00000111907	ENSG00000111907	TPD52L1	6:1254401:	813.46	710.92	-0.135	3.205	0.001	0.021	yes	813.46	766.22	860.699	710.92	667.697	754.143
ENSG00000039523	ENSG00000039523	FAM65A	16:675627:	101.32	88.783	-0.132	3.211	0.001	0.021	yes	101.32	95.6602	106.98	88.783	83.4213	94.1447
ENSG00000105694	ENSG00000105694	AC104537.1	19:251121:	5.392	0	-1.79769e+ -1.79769e+		0.001	0.019	yes	5.3921	1.83617	8.94803	0	0	0
ENSG00000120729	ENSG00000120729	MYOT	5:1371500:	0.225	0	-1.79769e+ -1.79769e+		0.001	0.017	yes	0.225116	0.0783512	0.371881	0	0	0
ENSG00000159337	ENSG00000159337	PLA2G4D	15:423598:	0.252	0	-1.79769e+ -1.79769e+		0.001	0.021	yes	0.251914	0.0839715	0.419857	0	0	0
ENSG00000172543	ENSG00000172543	CTSW	11:656472:	0.333	0	-1.79769e+ -1.79769e+		0.001	0.014	yes	0.332506	0.121107	0.543905	0	0	0

ENSG00000207110	ENSG00000207110	U1	8:1288067	56.649	0	-1.79769e+	-1.79769e+	0.001	0.021	yes	56.6486	18.8005	94.4967	0	0	0
ENSG00000229780	ENSG00000229780	RP11-61L14.2	1:1545210	4.362	0	-1.79769e+	-1.79769e+	0.001	0.01	yes	4.36242	1.68251	7.04232	0	0	0
ENSG00000236507	ENSG00000236507	RP5-1050E16.1	9:9250114	1.199	0	-1.79769e+	-1.79769e+	0.001	0.019	yes	1.19927	0.408388	1.99015	0	0	0
ENSG00000254480	ENSG00000254480	RP11-23F23.2	11:411593	3.638	0	-1.79769e+	-1.79769e+	0.001	0.013	yes	3.6377	1.336	5.9394	0	0	0
ENSG00000257069	ENSG00000257069	RP11-783K16.10	11:640587	0.354	0	-1.79769e+	-1.79769e+	0.001	0.017	yes	0.353898	0.123799	0.583997	0	0	0
ENSG00000258034	ENSG00000258034	RP11-493P1.2	12:116395	3.347	0	-1.79769e+	-1.79769e+	0.001	0.01	yes	3.34692	1.28815	5.4057	0	0	0
ENSG00000258588	ENSG00000258588	TRIM6-TRIM34	11:527441	0.297	0	-1.79769e+	-1.79769e+	0.001	0.013	yes	0.296842	0.109102	0.484582	0	0	0
ENSG00000258953	ENSG00000258953	C5orf63	5:1263782	6.447	0	-1.79769e+	-1.79769e+	0.001	0.013	yes	6.44709	2.36969	10.5245	0	0	0
ENSG00000255471	ENSG00000255471	RP11-736K20.5	11:865021	4.267	0.246	-2.853	3.143	0.002	0.025	yes	4.26718	0	9.49861	0.246034	0	0.575525
ENSG00000139211	ENSG00000139211	AMIGO2	12:474694	0.946	0.113	-2.129	3.167	0.002	0.023	yes	0.94606	0.535906	1.35622	0.11257	0	0.255795
ENSG00000243725	ENSG00000243725	TTC4	1:5510745	6.637	1.156	-1.747	3.169	0.002	0.023	yes	6.63697	3.33564	9.93831	1.15649	0.018221	2.29476
ENSG00000170289	ENSG00000170289	CNGB3	8:8734550	1.805	0.498	-1.288	3.139	0.002	0.025	yes	1.80543	0.441404	3.16945	0.497754	0.338055	0.657454
ENSG00000236810	ENSG00000236810	RP5-886K2.3	1:2406964	3.916	1.107	-1.263	3.117	0.002	0.027	yes	3.91601	2.06877	5.76325	1.10719	0.377528	1.83686
ENSG00000163521	ENSG00000163521	GLB1L	2:2200944	6.3	2.472	-0.936	3.093	0.002	0.029	yes	6.30039	4.20175	8.39902	2.47177	1.22316	3.72037
ENSG00000244041	ENSG00000244041	RP1-90J20.7	6:2988200	5.527	2.172	-0.934	3.066	0.002	0.031	yes	5.52666	3.78372	7.26961	2.17194	1.03965	3.30424
ENSG00000246889	ENSG00000246889	AP000487.5	11:701168	12.542	5.205	-0.879	3.123	0.002	0.027	yes	12.5424	8.65673	16.428	5.20525	2.75747	7.65304
ENSG00000154134	ENSG00000154134	ROBO3	11:124735	21.424	8.973	-0.87	3.143	0.002	0.025	yes	21.4235	16.7976	26.0495	8.97344	4.39691	13.55
ENSG00000147650	ENSG00000147650	LRP12	8:1055014	10.715	4.527	-0.862	3.036	0.002	0.034	yes	10.7147	5.68758	15.7419	4.52675	3.08093	5.97257
ENSG00000214300	ENSG00000214300	SPDYE3	7:9990532	4.302	1.891	-0.822	3.146	0.002	0.025	yes	4.30208	3.18408	5.42009	1.8913	1.03402	2.74858
ENSG00000169964	ENSG00000169964	TMEM42	3:4480320	5.388	2.385	-0.815	3.125	0.002	0.027	yes	5.38774	3.8999	6.87558	2.38463	1.32905	3.44022
ENSG00000172345	ENSG00000172345	STARD5	15:814750	4.094	1.947	-0.743	3.113	0.002	0.027	yes	4.09377	2.92073	5.2668	1.94734	1.20402	2.69067
ENSG00000213398	ENSG00000213398	LCAT	16:679736	3.421	1.644	-0.733	3.147	0.002	0.025	yes	3.42127	2.54444	4.2981	1.64376	1.00433	2.2832
ENSG00000155984	ENSG00000155984	TMEM185A	X:1486782	56.22	28.166	-0.691	3.105	0.002	0.028	yes	56.2199	40.2284	72.2114	28.1663	18.5219	37.8108
ENSG00000255529	ENSG00000255529	GRINL1A	15:578841	3.07	1.58	-0.665	3.07	0.002	0.031	yes	3.0701	2.05789	4.08232	1.57955	1.13646	2.02265
ENSG00000189343	ENSG00000189343	AC004448.3	17:193424	9.429	4.959	-0.643	3.041	0.002	0.034	yes	9.42878	7.17343	11.6841	4.95907	3.2315	6.68664
ENSG00000240429	ENSG00000240429	LRRFIP1P1	3:1788659	3.628	1.922	-0.635	3.16	0.002	0.024	yes	3.62805	2.77779	4.4783	1.9224	1.29455	2.55025
ENSG00000076321	ENSG00000076321	KLHL20	1:1736840	27.103	14.523	-0.624	3.115	0.002	0.027	yes	27.1029	19.8536	34.3522	14.5229	10.1918	18.854
ENSG00000065970	ENSG00000065970	FOXJ2	12:791781	7.866	4.292	-0.606	3.141	0.002	0.025	yes	7.86552	6.01701	9.71403	4.29246	2.97976	5.60516
ENSG00000053747	ENSG00000053747	LAMA3	18:212695	3.971	2.253	-0.567	3.149	0.002	0.025	yes	3.9714	2.81869	5.1241	2.2532	1.77363	2.73277
ENSG00000186815	ENSG00000186815	TPCN1	12:113633	46.566	26.515	-0.563	3.083	0.002	0.03	yes	46.5661	35.1237	58.0085	26.5149	19.3454	33.6845
ENSG00000151422	ENSG00000151422	FER	5:1080835	10.849	6.464	-0.518	3.046	0.002	0.033	yes	10.8493	8.19463	13.504	6.46366	4.93744	7.98988
ENSG00000145819	ENSG00000145819	ARHGAP26	5:1421499	71.907	43.779	-0.496	3.106	0.002	0.028	yes	71.9067	55.6032	88.2102	43.7785	33.9222	53.6347
ENSG00000254531	ENSG00000254531	AP001816.1	4:1019445	33.566	20.553	-0.491	3.159	0.002	0.024	yes	33.5662	26.9375	40.1949	20.553	15.6269	25.4791
ENSG00000231770	ENSG00000231770	AC046143.5	3:1943047	14.179	8.782	-0.479	3.119	0.002	0.027	yes	14.1785	11.3874	16.9695	8.78199	6.71103	10.853
ENSG00000187796	ENSG00000187796	CARD9	9:1392219	7.02	4.371	-0.474	3.064	0.002	0.032	yes	7.01956	5.85563	8.18349	4.371	3.23004	5.51195
ENSG00000164051	ENSG00000164051	CCDC51	3:4847357	19.23	12.476	-0.433	3.084	0.002	0.03	yes	19.2296	15.6565	22.8026	12.4759	9.85353	15.0982
ENSG00000006062	ENSG00000006062	MAP3K14	17:433404	6.057	3.983	-0.419	3.1	0.002	0.028	yes	6.0567	5.00461	7.1088	3.98288	3.15721	4.80855
ENSG00000108797	ENSG00000108797	CNTNAP1	17:408346	3.335	2.195	-0.418	3.034	0.002	0.034	yes	3.33514	2.73947	3.93081	2.19504	1.73382	2.65626
ENSG00000135749	ENSG00000135749	PCNXL2	1:2331198	77.642	51.711	-0.406	3.06	0.002	0.032	yes	77.6418	66.7374	88.5462	51.7111	40.049	63.3733
ENSG00000100099	ENSG00000100099	HPS4	22:268252	40.475	27.361	-0.392	3.143	0.002	0.025	yes	40.4748	32.7725	48.1771	27.361	22.9619	31.7601
ENSG00000151725	ENSG00000151725	MLF1IP	4:1855707	22.82	15.499	-0.387	3.05	0.002	0.033	yes	22.8203	19.2061	26.4345	15.4988	12.4278	18.5698
ENSG00000162746	ENSG00000162746	FCRLB	1:1616913	23.986	16.38	-0.381	3.107	0.002	0.028	yes	23.9859	21.0747	26.897	16.3799	12.8849	19.875
ENSG00000144504	ENSG00000144504	ANKMY1	2:2414188	43.653	30.379	-0.363	3.048	0.002	0.033	yes	43.6528	35.8966	51.4089	30.3789	25.5737	35.1842
ENSG00000222019	ENSG00000222019	AC133919.6	16:900712	37.061	26.11	-0.35	3.118	0.002	0.027	yes	37.0614	31.7818	42.3409	26.1101	21.5734	30.6468
ENSG00000254901	ENSG00000254901	MEF2BNB	19:192563	30.636	21.808	-0.34	3.122	0.002	0.027	yes	30.6358	26.0925	35.1791	21.8081	18.3303	25.2859
ENSG00000033011	ENSG00000033011	ALG1	16:512181	17.957	12.897	-0.331	3.118	0.002	0.027	yes	17.9571	15.486	20.4283	12.8972	10.8119	14.9825
ENSG00000134982	ENSG00000134982	APC	5:1120431	30.565	22.1	-0.324	3.172	0.002	0.023	yes	30.5653	26.1537	34.9769	22.1004	18.9003	25.3005
ENSG00000227051	ENSG00000227051	C14orf132	14:965056	176.781	127.846	-0.324	3.039	0.002	0.034	yes	176.781	160.837	192.725	127.846	103.138	152.554
ENSG00000078487	ENSG00000078487	ZCWPW1	7:9999844	30.938	22.398	-0.323	3.132	0.002	0.026	yes	30.9382	26.8499	35.0265	22.3976	18.8491	25.946
ENSG00000115419	ENSG00000115419	GLS	2:1917455	51.704	37.993	-0.308	3.046	0.002	0.033	yes	51.7041	45.4213	57.9869	37.9932	31.8482	44.1383

ENSG00000143256	ENSG00000143256	PFDN2	1:1610703	110.888	81.729	-0.305	3.114	0.002	0.027	yes	110.888	96.369	125.408	81.7293	69.815	93.6435
ENSG00000234750	ENSG00000234750	CTD-2666L21.2	19:123580	0.061	0.045	-0.295	3.112	0.002	0.027	yes	0.0608837	0.0532283	0.0685392	0.0453351	0.038908	0.051763
ENSG00000197136	ENSG00000197136	PCNXL3	11:653832	277.044	206.976	-0.292	3.143	0.002	0.025	yes	277.044	242.843	311.246	206.976	178.317	235.636
ENSG00000127663	ENSG00000127663	KDM4B	19:496912	18.487	14.088	-0.272	3.048	0.002	0.033	yes	18.4865	16.2949	20.678	14.0879	12.2116	15.9642
ENSG00000103051	ENSG00000103051	COG4	16:705144	218.001	166.205	-0.271	3.132	0.002	0.026	yes	218.001	203.222	232.781	166.205	139.711	192.699
ENSG00000147804	ENSG00000147804	SLC39A4	8:1456351	180.295	141.699	-0.241	3.12	0.002	0.027	yes	180.295	160.121	200.469	141.699	126.617	156.78
ENSG00000179409	ENSG00000179409	GEMIN4	17:647660	43.456	34.45	-0.232	3.118	0.002	0.027	yes	43.4555	39.0428	47.8682	34.4498	30.6955	38.204
ENSG00000119682	ENSG00000119682	KIAA0317	14:751198	160.903	128.233	-0.227	3.091	0.002	0.029	yes	160.903	144.999	176.807	128.233	114.304	142.161
ENSG00000225733	ENSG00000225733	AC090937.2	3:1486046	46.55	37.555	-0.215	3.171	0.002	0.023	yes	46.5495	42.2521	50.847	37.5545	33.8337	41.2753
ENSG00000071054	ENSG00000071054	MAP4K4	2:1023133	51.527	42.105	-0.202	3.038	0.002	0.034	yes	51.5271	46.541	56.5132	42.1051	38.2656	45.9445
ENSG00000113282	ENSG00000113282	CLINT1	5:1572127	170.538	139.937	-0.198	3.045	0.002	0.033	yes	170.538	154.724	186.353	139.937	127.209	152.665
ENSG00000061938	ENSG00000061938	TNK2	3:1955902	286.695	235.558	-0.196	3.106	0.002	0.028	yes	286.695	261.399	311.99	235.558	214.2	256.915
ENSG00000161618	ENSG00000161618	ALDH16A1	19:499564	37.587	30.905	-0.196	3.121	0.002	0.027	yes	37.5865	34.388	40.785	30.9051	28.058	33.7522
ENSG00000204427	ENSG00000204427	ABHD16A	6:3165472	131.745	109.313	-0.187	3.054	0.002	0.032	yes	131.745	119.909	143.581	109.313	100.249	118.376
ENSG00000132510	ENSG00000132510	KDM6B	17:774322	35.059	29.327	-0.179	3.068	0.002	0.031	yes	35.0592	32.2608	37.8576	29.327	26.8429	31.8112
ENSG00000123358	ENSG00000123358	NR4A1	12:524166	196.592	165.142	-0.174	3.143	0.002	0.025	yes	196.592	182.66	210.524	165.142	151.047	179.238
ENSG00000164855	ENSG00000164855	TMEM184A	7:1583449	162.917	139.282	-0.157	3.114	0.002	0.027	yes	162.917	151.691	174.143	139.282	129.063	149.502
ENSG00000155506	ENSG00000155506	LARP1	5:1540924	525.586	451.108	-0.153	3.091	0.002	0.029	yes	525.586	490.803	560.368	451.108	417.964	484.251
ENSG00000127616	ENSG00000127616	SMARCA4	19:110715	174.734	153.668	-0.128	3.035	0.002	0.034	yes	174.734	163.74	185.728	153.668	144.966	162.371
ENSG00000218521	ENSG00000218521	RP11-420A21.1	6:3778727	2.711	0	-1.79769e+ -1.79769e+		0.002	0.033	yes	2.71079	0.796139	4.62545	0	0	0
ENSG00000233202	ENSG00000233202	AC006028.10	7:2719155	2.287	0	-1.79769e+ -1.79769e+		0.002	0.03	yes	2.28675	0.695573	3.87792	0	0	0
ENSG00000239737	ENSG00000239737	AC113171.1	3:6770512	19.265	0	-1.79769e+ -1.79769e+		0.002	0.033	yes	19.2652	5.64264	32.8877	0	0	0
ENSG00000255354	ENSG00000255354	RP11-148O21.2	8:1135150	0.279	0	-1.79769e+ -1.79769e+		0.002	0.033	yes	0.279034	0.0817271	0.47634	0	0	0
ENSG00000078319	ENSG00000078319	PMS2P1	7:9990532	3.286	0.193	-2.837	2.925	0.003	0.047	yes	3.28623	0	6.82941	0.192554	0	0.503037
ENSG00000215298	ENSG00000215298	AC051642.1	8:2338631	0.809	0.048	-2.83	3.011	0.003	0.037	yes	0.809296	0.467035	1.15156	0.0477377	0	0.135193
ENSG00000250709	ENSG00000250709	CCDC169-SOHLH2	13:367423	0.277	0.031	-2.201	2.958	0.003	0.043	yes	0.277458	0	0.646647	0.0307072	0.010236	0.051179
ENSG00000230798	ENSG00000230798	RP4-792G4.2	1:6378655	3.137	0.577	-1.694	2.957	0.003	0.043	yes	3.13696	1.34667	4.92726	0.576644	0.003866	1.14942
ENSG00000205089	ENSG00000205089	CCNI2	5:1320831	5.401	1.009	-1.678	2.997	0.003	0.038	yes	5.40109	2.28062	8.52155	1.00891	0.041542	1.97628
ENSG00000074416	ENSG00000074416	MGLL	3:1274079	27.297	5.328	-1.634	3.014	0.003	0.036	yes	27.2973	7.56742	47.0271	5.32811	1.02293	9.6333
ENSG00000257918	ENSG00000257918	RP11-482D24.3	12:106751	0.591	0.128	-1.532	2.974	0.003	0.041	yes	0.590593	0	1.19757	0.12757	0.117857	0.137283
ENSG00000154783	ENSG00000154783	FGD5	3:1486046	0.855	0.236	-1.288	2.936	0.003	0.045	yes	0.855072	0.443315	1.26683	0.235765	0.062756	0.408775
ENSG00000178297	ENSG00000178297	TMPRSS9	19:238976	1.007	0.319	-1.148	2.944	0.003	0.044	yes	1.00657	0.594794	1.41834	0.319353	0.10726	0.531445
ENSG00000139173	ENSG00000139173	TMEM117	12:442297	7.2	2.656	-0.997	2.978	0.003	0.04	yes	7.20016	4.62396	9.77635	2.65638	1.15238	4.16038
ENSG00000225302	ENSG00000225302	RP11-539I5.1	10:118592	9.35	4.217	-0.796	2.937	0.003	0.045	yes	9.34998	6.77824	11.9217	4.21666	2.2458	6.18751
ENSG00000253485	ENSG00000253485	PCDHGA5	5:1407102	1.028	0.467	-0.789	2.943	0.003	0.045	yes	1.02772	0.730322	1.32511	0.466692	0.255847	0.677538
ENSG00000125954	ENSG00000125954	FNTB	14:653810	78.205	39.432	-0.685	2.956	0.003	0.043	yes	78.2045	51.9922	104.417	39.4322	26.8216	52.0427
ENSG00000066136	ENSG00000066136	NFYC	1:4115731	64.935	38.572	-0.521	2.952	0.003	0.043	yes	64.9346	46.5467	83.3225	38.5717	30.4482	46.6952
ENSG00000226800	ENSG00000226800	C19orf29OS	19:361062	6.126	3.664	-0.514	2.924	0.003	0.047	yes	6.12596	4.78808	7.46384	3.66354	2.65379	4.67329
ENSG00000134014	ENSG00000134014	ELP3	8:2794718	44.023	26.961	-0.49	2.922	0.003	0.047	yes	44.0233	32.2823	55.7642	26.9606	21.4685	32.4528
ENSG00000164022	ENSG00000164022	AIMP1	4:1069654	18.421	11.452	-0.475	2.958	0.003	0.043	yes	18.4209	14.879	21.9628	11.4516	8.50244	14.4008
ENSG00000089775	ENSG00000089775	ZBTB25	14:648547	9.504	5.99	-0.462	2.955	0.003	0.043	yes	9.50394	7.37723	11.6307	5.98986	4.68373	7.296
ENSG00000215695	ENSG00000215695	RSC1A1	1:1594399	8.09	5.155	-0.451	2.983	0.003	0.04	yes	8.08981	6.51858	9.66103	5.15458	3.9609	6.34826
ENSG00000170144	ENSG00000170144	HNRNPA3	2:1778552	26.041	17.742	-0.384	2.985	0.003	0.04	yes	26.0412	21.3386	30.7439	17.7421	14.4947	20.9896
ENSG00000170873	ENSG00000170873	MTSS1	8:1255007	22.318	15.22	-0.383	2.98	0.003	0.04	yes	22.3177	19.4824	25.153	15.2197	11.8206	18.6188
ENSG00000168818	ENSG00000168818	STX18	4:4349866	27.034	19.045	-0.35	2.989	0.003	0.039	yes	27.0335	23.0081	31.059	19.0446	15.5972	22.4921
ENSG00000105675	ENSG00000105675	ATP4A	19:360410	11.565	8.399	-0.32	2.996	0.003	0.038	yes	11.565	9.92503	13.205	8.3989	7.05818	9.73962
ENSG00000235590	ENSG00000235590	GNAS-AS1	20:573939	42.762	31.113	-0.318	2.964	0.003	0.042	yes	42.7619	36.6718	48.8519	31.1131	26.1205	36.1057
ENSG00000133943	ENSG00000133943	C14orf159	14:913367	15.282	11.238	-0.307	2.938	0.003	0.045	yes	15.2815	13.1539	17.4092	11.2381	9.48338	12.9928
ENSG00000233558	ENSG00000233558	RP3-486I3.4	6:1165753	114.109	85.084	-0.294	2.928	0.003	0.047	yes	114.109	98.813	129.405	85.084	72.4007	97.7672
ENSG00000166200	ENSG00000166200	COPS2	15:494174	11.349	8.525	-0.286	2.987	0.003	0.039	yes	11.3491	9.78781	12.9103	8.52484	7.38801	9.66168

ENSG00000204209	ENSG00000204209	DAXX	6:3328633	134.173	102.334	-0.271	2.932	0.003	0.046	yes	134.173	113.208	155.139	102.334	92.2345	112.433
ENSG00000112079	ENSG00000112079	STK38	6:3646166	29.866	23.385	-0.245	2.95	0.003	0.044	yes	29.8656	26.4998	33.2314	23.3852	20.54	26.2304
ENSG00000172534	ENSG00000172534	HCFC1	X:1532130	114.268	89.7	-0.242	2.922	0.003	0.047	yes	114.268	100.942	127.594	89.7002	79.1439	100.257
ENSG00000161179	ENSG00000161179	YDJC	22:219823	104.886	82.58	-0.239	2.944	0.003	0.044	yes	104.886	92.4463	117.326	82.5804	73.4178	91.743
ENSG00000151148	ENSG00000151148	UBE3B	12:109826	57.402	45.745	-0.227	2.926	0.003	0.047	yes	57.4017	51.9016	62.9019	45.7451	40.164	51.3263
ENSG00000173281	ENSG00000173281	PPP1R3B	8:8993764	20.891	16.659	-0.226	2.936	0.003	0.045	yes	20.8914	18.7215	23.0612	16.6592	14.7602	18.5581
ENSG00000103037	ENSG00000103037	SETD6	16:585493	90.787	72.665	-0.223	2.945	0.003	0.044	yes	90.7872	81.7658	99.8085	72.6647	64.3819	80.9475
ENSG00000130717	ENSG00000130717	UCK1	9:1343782	88.451	70.81	-0.222	2.999	0.003	0.038	yes	88.4513	78.141	98.7616	70.81	64.3126	77.3073
ENSG00000196372	ENSG00000196372	ASB13	10:568082	174.972	140.729	-0.218	2.949	0.003	0.044	yes	174.972	157.518	192.427	140.729	125.396	156.063
ENSG00000005007	ENSG00000005007	UPF1	19:189427	101.494	83.855	-0.191	2.986	0.003	0.039	yes	101.494	92.4212	110.567	83.8551	76.1883	91.5219
ENSG00000122952	ENSG00000122952	ZWINT	10:581169	187.854	155.884	-0.187	2.989	0.003	0.039	yes	187.854	170.018	205.69	155.884	143.252	168.516
ENSG00000183283	ENSG00000183283	DAZAP2	12:516320	260.461	219.743	-0.17	3.019	0.003	0.036	yes	260.461	240.604	280.318	219.743	201.534	237.953
ENSG00000161642	ENSG00000161642	ZNF385A	12:547474	152.202	128.805	-0.167	2.979	0.003	0.04	yes	152.202	140.734	163.669	128.805	118.122	139.487
ENSG00000242583	ENSG00000242583	RP11-379K17.9	3:1697557	1.441	0	-1.79769e+ -1.79769e+		0.003	0.039	yes	1.44089	0.402497	2.47928	0	0	0
ENSG00000251639	ENSG00000251639	RP11-20I20.1	4:1050037	0.739	0	-1.79769e+ -1.79769e+		0.003	0.04	yes	0.738571	0.203002	1.27414	0	0	0
ENSG00000259133	ENSG00000259133	RP11-1085N6.3	14:569550	2.189	0	-1.79769e+ -1.79769e+		0.003	0.04	yes	2.18927	0.606416	3.77213	0	0	0
ENSG00000061455	ENSG00000061455	PRDM6	5:1224229	10.029	3.128	-1.165	2.919	0.004	0.048	yes	10.0286	3.64268	16.4145	3.12822	1.6228	4.63364
ENSG00000186352	ENSG00000186352	ANKRD37	4:1863171	8.247	2.891	-1.048	2.909	0.004	0.049	yes	8.24749	5.42123	11.0738	2.89106	1.05775	4.72437
ENSG00000182575	ENSG00000182575	NXPH3	17:475726	4.553	2.677	-0.531	2.908	0.004	0.049	yes	4.55333	3.55131	5.55535	2.67705	1.8963	3.45779
ENSG00000257108	ENSG00000257108	NHLRC4	16:616994	5.078	3.126	-0.485	2.913	0.004	0.048	yes	5.07811	4.06708	6.08915	3.12628	2.29177	3.9608
ENSG00000125733	ENSG00000125733	TRIP10	19:673969	88.638	59.327	-0.401	2.915	0.004	0.048	yes	88.6381	68.886	108.39	59.3273	49.7205	68.934
ENSG00000112339	ENSG00000112339	HBS1L	6:1352815	53.622	39.841	-0.297	2.911	0.004	0.049	yes	53.622	46.5563	60.6877	39.8412	33.6304	46.0519
ENSG00000233016	ENSG00000233016	SNHG7	9:1396070	39.393	29.427	-0.292	2.908	0.004	0.049	yes	39.3929	34.2458	44.54	29.4266	24.9467	33.9065
ENSG00000010256	ENSG00000010256	UQCRC1	3:4863643	412.61	359.839	-0.137	2.904	0.004	0.05	yes	412.61	384.709	440.512	359.839	336.208	383.47
ENSG00000140416	ENSG00000140416	TPM1	15:633348	450.536	395.21	-0.131	2.911	0.004	0.049	yes	450.536	424.424	476.648	395.21	367.986	422.434
ENSG00000229674	ENSG00000229674	AL121578.7	X:3720852	0.123	0	-1.79769e+ -1.79769e+	2.885429	3.236449	yes	0.122716	0.116257	0.129175	0	0	0	
ENSG00000224386	ENSG00000224386	AC090939.2	3:1131399	0.29	0	-1.79769e+ -1.79769e+	8.649330	9.65954e	yes	0.289835	0.274496	0.305175	0	0	0	