

Supplementary table 7. Differentially expressed genes in CDH1-TANGO6 del vs CDH1 del

Transcript.stable.ID	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	Gene.stable.ID	chr	start	end
ENST00000008527	318.35016	-1.008032365	0.218062	-4.62269	3.79E-06	9.29E-05	ENSG00000008405	12	106991363	107093549
ENST00000009530	5.55650472	-5.924850703	1.904995	-3.11017	0.001869821	0.016103119	ENSG00000019582	5	150401638	150412910
ENST00000035307	673.058945	-1.628983675	0.160751	-10.1336	3.92E-24	1.31E-21	ENSG000000033100	7	151232482	151238822
ENST00000064780	138.115755	-1.151963521	0.306359	-3.76017	0.000169798	0.002283272	ENSG000000054967	11	73376398	73397474
ENST00000155926	241.974466	-1.878460019	0.260248	-7.21796	5.28E-13	5.41E-11	ENSG000000071575	2	12716935	12742734
ENST00000194155	262.805655	1.214433144	0.220173	5.515806	3.47E-08	1.50E-06	ENSG00000112852	5	141094614	141098703
ENST00000201647	857.094384	-1.626056103	0.153166	-10.6163	2.50E-26	1.02E-23	ENSG00000131037	19	55075868	55087923
ENST00000202917	399.653973	5.338348049	0.644163	8.287265	1.16E-16	1.85E-14	ENSG000000089127	12	112906961	112919903
ENST00000204679	732.010102	-1.023288952	0.155466	-6.58206	4.64E-11	3.42E-09	ENSG000000090581	16	1351930	1364113
ENST00000215912	37.2207834	1.593366482	0.528196	3.016617	0.002556123	0.020533081	ENSG00000100100	22	31281599	31292488
ENST00000216714	1220.20183	1.469233211	0.145651	10.08738	6.28E-24	2.06E-21	ENSG00000100823	14	20455225	20457767
ENST00000216832	966.601222	1.007569144	0.146701	6.868199	6.50E-12	5.71E-10	ENSG00000100941	14	39175253	39183220
ENST00000217131	49.970069	1.997090515	0.473577	4.21703	2.48E-05	0.000456233	ENSG00000101160	20	58995184	59007254
ENST00000217159	217.525367	-1.923973135	0.272398	-7.0631	1.63E-12	1.57E-10	ENSG00000101187	20	62642502	62672293
ENST00000217182	197.483174	-4.7200027	0.36838	-12.8129	1.39E-37	1.75E-34	ENSG00000101210	20	63488013	63499083
ENST00000217909	151.854597	1.922961003	0.286057	6.722307	1.79E-11	1.43E-09	ENSG00000077713	X	119399335	119454478
ENST00000219150	31.8847532	-2.271888185	0.592308	-3.83565	0.000125231	0.001772957	ENSG00000102879	16	30183601	30189076
ENST00000219207	8.4986465	5.04143172	1.736388	2.903401	0.003691331	0.027286602	ENSG00000102934	16	57256096	57284672
ENST00000219299	98.763051	1.860382577	0.338891	5.489627	4.03E-08	1.71E-06	ENSG00000103021	16	58249935	58283836
ENST00000220509	1038.60731	-1.115924582	0.165815	-6.72995	1.70E-11	1.36E-09	ENSG00000104142	15	40894449	40903975
ENST00000220616	73.1630612	-1.397195274	0.37947	-3.68197	0.000231443	0.002973323	ENSG00000042832	8	132866957	133134899
ENST00000221418	131.482654	1.564706294	0.299468	5.224945	1.74E-07	6.33E-06	ENSG00000104823	19	38815421	38831794
ENST00000221466	186.531081	-4.315995526	0.337232	-12.7983	1.68E-37	2.03E-34	ENSG00000104870	19	49512660	49526428
ENST00000221980	127.444333	-2.184224674	0.321394	-6.79609	1.07E-11	9.02E-10	ENSG00000105376	19	10289951	10296778
ENST00000222120	149.590063	1.283206158	0.282101	4.548747	5.40E-06	0.000125015	ENSG00000105514	19	11322067	11339657
ENST00000222122	355.197786	-1.498926219	0.225884	-6.63583	3.23E-11	2.46E-09	ENSG00000105516	19	48630029	48637379
ENST00000222248	14.1980249	-2.426978058	0.893632	-2.71586	0.006610425	0.042812947	ENSG00000105641	19	17871944	17895174
ENST00000222374	251.819412	-2.543920948	0.248244	-10.2477	1.21E-24	4.22E-22	ENSG00000105767	19	43622367	43639850
ENST00000222800	161.195468	-1.33018332	0.272496	-4.88148	1.05E-06	3.10E-05	ENSG00000106077	7	73736093	73738802
ENST00000222982	11.2369187	-3.827829358	1.189605	-3.21773	0.001292091	0.012109701	ENSG00000106258	7	99648193	99679996
ENST00000223076	7.0802514	-4.791201019	1.788894	-2.6783	0.007399609	0.046667752	ENSG00000184414	7	100570130	100571136
ENST00000223095	32.9380584	-3.098683142	0.663651	-4.66915	3.02E-06	7.65E-05	ENSG00000106366	7	101127103	101139247
ENST00000223136	301.886048	-1.005084135	0.207597	-4.84151	1.29E-06	3.69E-05	ENSG00000214253	7	101239471	101245081
ENST00000223145	182.440046	1.235027925	0.261683	4.71955	2.36E-06	6.19E-05	ENSG00000106415	7	7968795	8089080
ENST00000223271	114.928255	-2.02880175	0.353894	-5.73279	9.88E-09	4.69E-07	ENSG00000106538	7	150338328	150341629
ENST00000223368	166.998796	-1.171343954	0.275348	-4.25405	2.10E-05	0.000397202	ENSG00000106635	7	73536355	73557690
ENST00000223398	55.6386626	1.488759908	0.442351	3.365565	0.000763871	0.007883407	ENSG00000106665	7	74289406	74405935

Gene.name	Gene.type	Canonical	MANE.Select	ensembl.version
CRY1	protein_coding	Yes	NM_004075.5	108
CD74	protein_coding	Yes	NM_001025159.3	108
CHPF2	protein_coding	Yes	NM_019015.3	108
RELT	protein_coding	Yes	NM_152222.2	108
TRIB2	protein_coding	Yes	NM_021643.4	108
PCDHB2	protein_coding	Yes	NM_018936.4	108
EPS8L1	protein_coding	Yes	NM_133180.3	108
OAS1	protein_coding	Yes	NM_016816.4	108
GNPTG	protein_coding	Yes	NM_032520.5	108
PIK3IP1	protein_coding	Yes	NM_052880.5	108
APEX1	protein_coding	Yes	NM_001641.4	108
PNN	protein_coding	Yes	NM_002687.4	108
CTSZ	protein_coding	Yes	NM_001336.4	108
SLCO4A1	protein_coding	Yes	NM_016354.4	108
EEF1A2	protein_coding	Yes	NM_001958.5	108
SLC25A43	protein_coding	Yes	NM_145305.3	108
CORO1A	protein_coding	Yes	NM_007074.4	108
PLLPL	protein_coding	Yes	NM_015993.3	108
CCDC113	protein_coding	Yes	NM_014157.4	108
VPS18	protein_coding	Yes	NM_020857.3	108
TG	protein_coding	Yes	NM_003235.5	108
ECH1	protein_coding	Yes	NM_001398.3	108
FCGRT	protein_coding	Yes	NM_001136019.3	108
ICAM5	protein_coding	Yes	NM_003259.4	108
RAB3D	protein_coding	Yes	NM_004283.4	108
DBP	protein_coding	Yes	NM_001352.5	108
SLC5A5	protein_coding	Yes	NM_000453.3	108
CADM4	protein_coding	Yes	NM_145296.2	108
ABHD11	protein_coding	Yes	NM_148912.4	108
CYP3A5	protein_coding	Yes	NM_000777.5	108
IRS3P	essed_pseudog	Yes	-	108
SERPINE1	protein_coding	Yes	NM_000602.5	108
FIS1	protein_coding	Yes	NM_016068.3	108
GLCCI1	protein_coding	Yes	NM_138426.4	108
RARRES2	protein_coding	Yes	NM_002889.4	108
BCL7B	protein_coding	Yes	NM_001707.4	108
CLIP2	protein_coding	Yes	NM_003388.5	108

ENST00000224949	952.340497	1.313045081	0.150789	8.707828	3.10E-18	5.96E-16	ENSG00000107959	10	3137727	3172782
ENST00000225792	7553.48414	1.121146128	0.117636	9.530648	1.56E-21	4.17E-19	ENSG00000108654	17	64498253	64506289
ENST00000227155	382.152461	-1.381631104	0.216159	-6.39174	1.64E-10	1.09E-08	ENSG00000085117	11	44565662	44620358
ENST00000227880	36.1283413	3.319446892	0.655427	5.064558	4.09E-07	1.35E-05	ENSG00000110446	11	60937083	60952176
ENST00000228865	365.819802	1.113721583	0.20692	5.382374	7.35E-08	2.97E-06	ENSG00000111269	12	12611875	12645108
ENST00000228928	1957.76552	1.612684481	0.372002	4.335153	1.46E-05	0.000292656	ENSG00000111331	12	112938473	112973251
ENST00000229264	16.6206541	-6.047782775	1.590494	-3.80246	0.000143269	0.001977206	ENSG00000111664	12	6840924	6847393
ENST00000229277	149.553696	1.16973306	0.275689	4.242939	2.21E-05	0.000413971	ENSG00000111674	12	6914579	6923697
ENST00000229708	101.732816	1.016004604	0.322281	3.15254	0.001618566	0.014441813	ENSG00000111981	6	149963942	149973715
ENST00000231484	7.2444086	-6.309363331	1.80773	-3.49021	0.000482634	0.0054245	ENSG00000113555	5	141943580	141958202
ENST00000232975	137.529055	-1.330091955	0.28995	-4.58732	4.49E-06	0.000107027	ENSG00000114854	3	52451099	52454041
ENST00000233057	2274.09061	1.044379444	0.174761	5.97605	2.29E-09	1.23E-07	ENSG00000055332	2	37099209	37156980
ENST00000233948	615.323432	-1.306148204	0.163616	-7.98302	1.43E-15	2.00E-13	ENSG00000115596	2	218859804	218874233
ENST00000234179	584.116686	-1.462866405	0.166492	-8.78641	1.54E-18	3.11E-16	ENSG00000115825	2	37250501	37324833
ENST00000236147	4.538799	5.614285089	2.00097	2.805781	0.005019472	0.034639173	ENSG00000188404	1	169690666	169711620
ENST00000237353	51.997586	1.377657214	0.484402	2.844039	0.004454563	0.031611236	ENSG00000118557	16	72119096	72172155
ENST00000238721	129.648926	1.160781801	0.294231	3.945134	7.98E-05	0.001218757	ENSG00000115129	2	24077432	24084834
ENST00000238936	138.181097	-1.00722685	0.291008	-3.46116	0.00053785	0.005914274	ENSG00000138111	10	102461394	102477045
ENST00000239243	186.289409	-1.202513794	0.255928	-4.69865	2.62E-06	6.77E-05	ENSG00000120149	5	174724581	174730896
ENST00000239444	10.7533658	5.388951677	1.678617	3.210353	0.001325721	0.012354789	ENSG00000120322	5	141177789	141180539
ENST00000239449	68.1849706	2.746380332	0.456849	6.011574	1.84E-09	1.01E-07	ENSG00000120327	5	141223342	141227759
ENST00000239938	69.085502	1.229338893	0.393506	3.124064	0.001783714	0.01554397	ENSG00000120738	5	138465478	138469303
ENST00000240100	273.320956	-1.775452055	0.255771	-6.94156	3.88E-12	3.55E-10	ENSG00000120875	8	29333063	29350684
ENST00000241052	440.181731	1.160935079	0.211925	5.478049	4.30E-08	1.82E-06	ENSG00000121691	11	34438933	34472060
ENST00000241261	39.2325016	3.449766536	0.648599	5.318799	1.04E-07	4.05E-06	ENSG00000121858	3	172505507	172523430
ENST00000241463	140.793881	-1.001719732	0.293623	-3.41158	0.000645866	0.006875417	ENSG00000122035	13	27270829	27275192
ENST00000242577	891.53639	1.16028536	0.151661	7.650508	2.00E-14	2.46E-12	ENSG00000088986	12	120496112	120498493
ENST00000242728	24.0149374	-3.931819348	0.857707	-4.5841	4.56E-06	0.000108326	ENSG00000123095	12	26120029	26125037
ENST00000243167	82.5274294	2.164975262	0.375387	5.767318	8.05E-09	3.90E-07	ENSG00000117480	1	46394316	46413845
ENST00000243349	64.064623	2.062681013	0.438696	4.701847	2.58E-06	6.67E-05	ENSG00000123612	2	157526766	157628864
ENST00000243776	1659.31394	-1.073041057	0.129244	-8.30242	1.02E-16	1.65E-14	ENSG00000123989	2	219538953	219543809
ENST00000245105	72.8628049	-2.358746576	0.409243	-5.76368	8.23E-09	3.97E-07	ENSG00000125089	4	8199289	8241103
ENST00000245157	499.071028	1.18691153	0.175696	6.75548	1.42E-11	1.16E-09	ENSG00000125124	16	56484384	56520024
ENST00000245185	58.7024319	1.602264162	0.558556	2.868582	0.004123159	0.029736916	ENSG00000125148	16	56608583	56609497
ENST00000245451	280.901358	-2.58356702	0.260068	-9.93421	2.96E-23	9.11E-21	ENSG00000125378	14	53949735	53956825
ENST00000245817	223.821205	-2.014588846	0.242382	-8.31164	9.44E-17	1.54E-14	ENSG00000125657	19	6531025	6535924
ENST00000245907	97.52075	-4.986829805	0.534176	-9.33556	1.00E-20	2.52E-18	ENSG00000125730	19	6677703	6720650
ENST00000245923	45.8671278	-1.272043807	0.469938	-2.70683	0.006792881	0.043717365	ENSG00000125744	19	45485293	45497047
ENST00000246672	61.7727801	-1.503415753	0.412013	-3.64895	0.000263313	0.003316781	ENSG00000126368	17	40092792	40100589
ENST00000247470	22.6502665	2.326025247	0.702379	3.311639	0.000927511	0.00925496	ENSG00000103490	16	31201485	31202760

PITRM1	protein_coding	Yes	NM_014889.4	108
DDX5	protein_coding	Yes	NM_004396.5	108
CD82	protein_coding	Yes	NM_002231.4	108
SLC15A3	protein_coding	Yes	NM_016582.3	108
CREBL2	protein_coding	Yes	NM_001310.4	108
OAS3	protein_coding	Yes	NM_006187.4	108
GNB3	protein_coding	Yes	NM_002075.4	108
ENO2	protein_coding	Yes	NM_001975.3	108
ULBP1	protein_coding	Yes	NM_025218.4	108
PCDH12	protein_coding	Yes	NM_016580.4	108
TNNC1	protein_coding	Yes	NM_003280.3	108
EIF2AK2	protein_coding	Yes	NM_001135651.3	108
WNT6	protein_coding	Yes	NM_006522.4	108
PRKD3	protein_coding	Yes	NM_005813.6	108
SELL	protein_coding	Yes	NM_000655.5	108
PMFBP1	protein_coding	Yes	NM_031293.3	108
TP53I3	protein_coding	Yes	NM_004881.5	108
MFSD13A	protein_coding	Yes	NM_024789.4	108
MSX2	protein_coding	Yes	NM_002449.5	108
PCDHB8	protein_coding	Yes	NM_019120.5	108
PCDHB14	protein_coding	Yes	NM_018934.4	108
EGR1	protein_coding	Yes	NM_001964.3	108
DUSP4	protein_coding	Yes	NM_001394.7	108
CAT	protein_coding	Yes	NM_001752.4	108
TNFSF10	protein_coding	Yes	NM_003810.4	108
RASL11A	protein_coding	Yes	NM_206827.2	108
DYNLL1	protein_coding	Yes	NM_003746.3	108
BHLHE41	protein_coding	Yes	NM_030762.3	108
FAAH	protein_coding	Yes	NM_001441.3	108
ACVR1C	protein_coding	Yes	NM_145259.3	108
CHPF	protein_coding	Yes	NM_024536.6	108
SH3TC1	protein_coding	Yes	NM_018986.5	108
BBS2	protein_coding	Yes	NM_031885.5	108
MT2A	protein_coding	Yes	NM_005953.5	108
BMP4	protein_coding	Yes	NM_001202.6	108
TNFSF9	protein_coding	Yes	NM_003811.4	108
C3	protein_coding	Yes	NM_000064.4	108
RTN2	protein_coding	Yes	NM_005619.5	108
NR1D1	protein_coding	Yes	NM_021724.5	108
PYCARD	protein_coding	Yes	NM_013258.5	108

ENST00000248306	93.5970232	1.181804118	0.338006	3.496405	0.000471572	0.005324956	ENSG00000127720	12	82358528	82479239
ENST00000248484	551.321596	1.285672707	0.171968	7.476243	7.65E-14	8.60E-12	ENSG00000127863	13	23570411	23676093
ENST00000249330	121.840993	-2.631817245	0.382194	-6.88607	5.74E-12	5.10E-10	ENSG00000128564	7	101162508	101165569
ENST00000249700	28.1663901	1.789910682	0.624696	2.865251	0.004166788	0.029977301	ENSG00000128872	15	51751596	51816363
ENST00000250383	1214.82402	-1.613999586	0.137985	-11.6969	1.32E-31	9.88E-29	ENSG00000100867	14	23636363	23645639
ENST00000251166	266.970239	-1.136794143	0.221795	-5.12543	2.97E-07	1.01E-05	ENSG00000262246	16	4354541	4416596
ENST00000251363	64.1830914	1.887087139	0.442159	4.267895	1.97E-05	0.00037678	ENSG00000090661	19	8209369	8262421
ENST00000251453	1920.87542	1.713511363	0.13683	12.52295	5.59E-36	5.99E-33	ENSG00000105193	19	39433136	39435949
ENST00000252029	105.839422	1.549305258	0.330956	4.681305	2.85E-06	7.28E-05	ENSG00000025708	22	50525751	50530012
ENST00000252242	229.226187	-2.878160643	0.328816	-8.7531	2.08E-18	4.06E-16	ENSG00000186081	12	52514574	52520394
ENST00000252486	372.75986	-1.847619658	0.255086	-7.24312	4.38E-13	4.53E-11	ENSG00000130203	19	44905795	44909393
ENST00000252506	116.623568	-1.053990468	0.331477	-3.17968	0.001474385	0.0134224	ENSG00000130222	9	89605011	89606555
ENST00000252809	140.295076	-1.30340272	0.282683	-4.61082	4.01E-06	9.74E-05	ENSG00000130513	19	18386157	18389176
ENST00000252971	51.1203905	-1.794825708	0.457662	-3.92172	8.79E-05	0.001322096	ENSG00000130675	7	157004853	157010663
ENST00000253122	147.727517	-2.361609279	0.292922	-8.06224	7.49E-16	1.09E-13	ENSG00000130821	X	153687925	153696588
ENST00000254667	297.56914	-1.149500519	0.217354	-5.2886	1.23E-07	4.67E-06	ENSG00000132334	10	127907102	128085855
ENST00000254691	32.0945094	-4.641765336	0.834994	-5.55904	2.71E-08	1.19E-06	ENSG00000132357	5	40841366	40855354
ENST00000254898	269.310297	2.999604978	0.249629	12.01623	2.92E-33	2.55E-30	ENSG00000132561	8	97869063	98036724
ENST00000254928	115.057436	1.357731993	0.313798	4.326771	1.51E-05	0.000302445	ENSG00000132591	17	28855015	28861061
ENST00000256084	65.0774636	1.400487488	0.40719	3.439396	0.000583013	0.006314158	ENSG00000133710	5	148063979	148137382
ENST00000256544	1968.89699	-1.343225647	0.144784	-9.27747	1.74E-20	4.31E-18	ENSG00000134152	15	34140673	34210096
ENST00000256722	129.18126	6.402541927	0.668324	9.580004	9.70E-22	2.63E-19	ENSG00000134326	2	6848315	6865907
ENST00000256733	31.023174	-2.000225483	0.588309	-3.39996	0.000673963	0.007122844	ENSG00000134339	11	18245239	18248668
ENST00000256996	86.8286694	1.201063999	0.349147	3.439993	0.000581729	0.006305023	ENSG00000134574	11	47214973	47239217
ENST00000257570	68.2273145	8.075831176	1.485943	5.434817	5.49E-08	2.28E-06	ENSG00000135114	12	121019110	121039246
ENST00000257770	41.7011254	-5.778944484	0.966111	-5.98166	2.21E-09	1.19E-07	ENSG00000135318	6	85450082	85495784
ENST00000258381	302.261459	1.013116224	0.281221	3.602567	0.00031509	0.003844341	ENSG00000135899	2	230165185	230219984
ENST00000258411	590.353285	-2.541181451	0.187263	-13.5701	6.02E-42	1.10E-38	ENSG00000135925	2	218880851	218893928
ENST00000258443	314.153405	1.989443206	0.277839	7.160425	8.04E-13	8.05E-11	ENSG00000135960	2	108894470	108989220
ENST00000258821	95.1156804	1.238824015	0.336849	3.677682	0.000235363	0.003018039	ENSG00000136319	14	20286226	20305951
ENST00000259870	21.8852469	-4.075683449	0.907412	-4.49155	7.07E-06	0.000157774	ENSG00000204542	6	31111222	31112575
ENST00000259939	275.715582	1.052908293	0.226203	4.65471	3.24E-06	8.12E-05	ENSG00000137393	6	18387349	18468870
ENST00000259951	158.860514	1.994588843	0.319726	6.238431	4.42E-10	2.74E-08	ENSG00000204642	6	29723433	29727296
ENST00000260113	83.8704686	1.295403951	0.388475	3.33459	0.000854253	0.008645558	ENSG00000137558	8	74824533	74855029
ENST00000260356	4392.3929	-1.65349368	0.549029	-3.01167	0.002598159	0.020798894	ENSG00000137801	15	39581078	39599466
ENST00000260453	24.8068203	2.075757875	0.660745	3.141542	0.001680605	0.014850188	ENSG00000138587	15	56428723	56465137
ENST00000260702	1036.90955	-2.179869185	0.16264	-13.403	5.80E-41	1.02E-37	ENSG00000138131	10	98247689	98268194
ENST00000261205	346.032075	1.222167888	0.215447	5.672714	1.41E-08	6.50E-07	ENSG00000067715	12	78864773	79452008
ENST00000261292	95.2461436	-1.377020309	0.386607	-3.56181	0.000368303	0.004369077	ENSG00000101670	18	49562056	49599185
ENST00000261464	14.1327895	3.71930385	1.050917	3.539104	0.000401488	0.004684785	ENSG00000082512	1	211326832	211374946

METTL25	protein_coding	Yes	NM_032230.3	108
TNFRSF19	protein_coding	Yes	NM_148957.4	108
VGF	protein_coding	Yes	NM_003378.4	108
TMOD2	protein_coding	Yes	NM_014548.4	108
DHRS2	protein_coding	Yes	NM_005794.4	108
CORO7	protein_coding	Yes	NM_024535.5	108
CERS4	protein_coding	Yes	NM_024552.3	108
RPS16	protein_coding	Yes	NM_001020.6	108
TYMP	protein_coding	Yes	NM_001953.5	108
KRT5	protein_coding	Yes	NM_000424.4	108
APOE	protein_coding	Yes	NM_000041.4	108
GADD45G	protein_coding	Yes	NM_006705.4	108
GDF15	protein_coding	Yes	NM_004864.4	108
MNX1	protein_coding	Yes	NM_005515.4	108
SLC6A8	protein_coding	Yes	NM_005629.4	108
PTPRE	protein_coding	Yes	NM_006504.6	108
CARD6	protein_coding	Yes	NM_032587.4	108
MATN2	protein_coding	Yes	NM_002380.5	108
ERAL1	protein_coding	Yes	NM_005702.4	108
SPINK5	protein_coding	Yes	NM_006846.4	108
KATNBL1	protein_coding	Yes	NM_024713.3	108
CMPK2	protein_coding	Yes	NM_207315.4	108
SAA2	protein_coding	Yes	NM_030754.5	108
DDB2	protein_coding	Yes	NM_000107.3	108
OASL	protein_coding	Yes	NM_003733.4	108
NT5E	protein_coding	Yes	NM_002526.4	108
SP110	protein_coding	Yes	NM_080424.4	108
WNT10A	protein_coding	Yes	NM_025216.3	108
EDAR	protein_coding	Yes	NM_022336.4	108
TTC5	protein_coding	Yes	NM_138376.3	108
C6orf15	protein_coding	Yes	NM_014070.3	108
RNF144B	protein_coding	Yes	NM_182757.4	108
HLA-F	protein_coding	Yes	NM_001098479.2	108
PI15	protein_coding	Yes	NM_015886.5	108
THBS1	protein_coding	Yes	NM_003246.4	108
MNS1	protein_coding	Yes	NM_018365.4	108
LOXL4	protein_coding	Yes	NM_032211.7	108
SYT1	protein_coding	Yes	NM_005639.3	108
LIPG	protein_coding	Yes	NM_006033.4	108
TRAF5	protein_coding	Yes	NM_001033910.3	108

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ENST00000261769	1768.12489	-1.820360091	0.138515	-13.142	1.89E-39	2.83E-36	ENSG00000039068	16	68737291	68835537
ENST00000261908	115.871599	-1.635236536	0.326476	-5.00874	5.48E-07	1.74E-05	ENSG00000067141	15	73052462	73305205
ENST00000262094	68.8572687	1.619116257	0.414848	3.902912	9.50E-05	0.001411681	ENSG00000041353	18	54828476	54895516
ENST00000262096	116.407135	-1.607562567	0.328362	-4.89571	9.80E-07	2.92E-05	ENSG00000104219	8	17156481	17224799
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ENST00000262207	89.4779749	1.16481726	0.382608	3.044417	0.002331315	0.01913553	ENSG00000121005	8	74984504	75034558
ENST00000262301	69.5635702	-1.070394058	0.388722	-2.75362	0.00589401	0.039140855	ENSG00000103227	16	853633	970984
ENST00000262315	359.292252	-1.07593408	0.208936	-5.1496	2.61E-07	9.04E-06	ENSG00000127586	16	788619	798074
ENST00000262424	298.413536	1.138310045	0.209553	5.432087	5.57E-08	2.31E-06	ENSG00000103196	16	84819984	84909508
ENST00000262580	402.185172	-1.990021016	0.192667	-10.3288	5.22E-25	1.85E-22	ENSG00000104518	8	143558345	143563062
ENST00000262848	305.014474	1.056234827	0.205959	5.128374	2.92E-07	9.95E-06	ENSG00000183943	X	3604339	3713649
ENST00000262992	108.567665	-1.370125349	0.335578	-4.08288	4.45E-05	0.00074995	ENSG00000109452	4	142023159	142846301
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ENST00000263038	313.192573	2.154044861	0.233856	9.211	3.23E-20	7.74E-18	ENSG00000107537	10	13277798	13300064
ENST00000263125	16.1463797	4.357460504	1.096124	3.975337	7.03E-05	0.001095333	ENSG00000065675	10	6427147	6580276
ENST00000263150	220.396352	1.302347885	0.236571	5.505113	3.69E-08	1.59E-06	ENSG00000047056	10	1056384	1132372
ENST00000263205	1259.27851	-1.09738492	0.13652	-8.03829	9.11E-16	1.31E-13	ENSG00000099917	22	20507609	20587619
ENST00000263266	62.5937537	-1.103952279	0.403114	-2.73856	0.006170934	0.040567731	ENSG00000105523	19	48599960	48615076
ENST00000263277	77.5856202	1.688320979	0.376208	4.48773	7.20E-06	0.000160226	ENSG00000024422	19	47713421	47743134
ENST00000263280	1147.50605	-1.094974253	0.138841	-7.88654	3.11E-15	4.23E-13	ENSG00000090372	19	46719510	46746450
ENST00000263372	43.1912391	-1.371632861	0.507697	-2.70167	0.00689914	0.044252355	ENSG00000099337	19	38319844	38332076
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ENST00000264025	89.4336608	1.649458147	0.350266	4.709162	2.49E-06	6.47E-05	ENSG00000110400	11	119660991	119729200
ENST00000264228	56.0804485	1.794467484	0.439276	4.085057	4.41E-05	0.000744022	ENSG00000128039	4	55346241	55373100
ENST00000264234	54.519665	1.572625101	0.456371	3.445933	0.000569092	0.006187138	ENSG00000114638	3	119173597	119205143
ENST00000264245	26.0382593	-1.832668015	0.63263	-2.8969	0.003768657	0.027706424	ENSG00000031081	3	119294382	119420714
ENST00000264346	616.673141	1.804363905	0.196923	9.162805	5.06E-20	1.18E-17	ENSG00000138642	4	88378851	88443097
ENST00000264350	1352.0814	2.592209989	0.473782	5.471317	4.47E-08	1.89E-06	ENSG00000138646	4	88457118	88506163
ENST00000264409	576.833407	-1.074045859	0.203108	-5.28804	1.24E-07	4.68E-06	ENSG00000138678	4	83536107	83605875
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ENST00000264555	1091.40469	-1.031125935	0.150915	-6.83248	8.35E-12	7.15E-10	ENSG00000070047	11	576469	612222
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ENST00000264735	14.6041143	-7.322147968	1.649311	-4.43952	9.02E-06	0.000194101	ENSG00000127252	3	193241221	193270855
ENST00000264930	505.887448	-2.254611848	0.183396	-12.2937	9.79E-35	9.43E-32	ENSG00000113504	5	1050383	1112063
ENST00000264956	71.4577954	1.325569945	0.382975	3.461241	0.00053769	0.005912949	ENSG00000072840	4	5711200	5814305
ENST00000264982	788.824764	1.062311724	0.163086	6.513813	7.33E-11	5.21E-09	ENSG00000114107	3	138494343	138594260
ENST00000264992	73.8452606	1.368582349	0.378224	3.618445	0.000296378	0.0036541	ENSG00000034533	3	131013874	131026825
ENST00000265087	767.096162	-1.499603755	0.155658	-9.63394	5.75E-22	1.62E-19	ENSG00000113739	5	173314722	173328414

EPB41L4A	protein_coding	Yes	NM_022140.5	108
CDH1	protein_coding	Yes	NM_004360.5	108
NEO1	protein_coding	Yes	NM_002499.4	108
RAB27B	protein_coding	Yes	NM_004163.4	108
ZDHHC2	protein_coding	Yes	NM_016353.5	108
RBL2	protein_coding	Yes	NM_005611.4	108
CRISPLD1	protein_coding	Yes	NM_031461.6	108
LMF1	protein_coding	Yes	NM_022773.4	108
CHTF18	protein_coding	Yes	NM_022092.3	108
CRISPLD2	protein_coding	Yes	NM_031476.4	108
GSDMD	protein_coding	Yes	NM_024736.7	108
PRKX	protein_coding	Yes	NM_005044.5	108
INPP4B	protein_coding	Yes	NM_001101669.3	108
DHTKD1	protein_coding	Yes	NM_018706.7	108
PHYH	protein_coding	Yes	NM_006214.4	108
PRKCQ	protein_coding	Yes	NM_006257.5	108
WDR37	protein_coding	Yes	NM_014023.4	108
MED15	protein_coding	Yes	NM_001003891.3	108
FAM83E	protein_coding	Yes	NM_017708.4	108
EHD2	protein_coding	Yes	NM_014601.4	108
STRN4	protein_coding	Yes	NM_013403.3	108
KCNK6	protein_coding	Yes	NM_004823.3	108
USP13	protein_coding	Yes	NM_003940.3	108
IFT46	protein_coding	Yes	NM_001168618.2	108
NECTIN1	protein_coding	Yes	NM_002855.5	108
SRD5A3	protein_coding	Yes	NM_024592.5	108
UPK1B	protein_coding	Yes	NM_006952.4	108
ARHGAP31	protein_coding	Yes	NM_020754.4	108
HERC6	protein_coding	Yes	NM_017912.4	108
HERC5	protein_coding	Yes	NM_016323.4	108
GPAT3	protein_coding	Yes	NM_032717.5	108
C2orf42	protein_coding	Yes	NM_017880.3	108
PHRF1	protein_coding	Yes	NM_001286581.2	108
KIF3C	protein_coding	Yes	NM_002254.8	108
PLAAT1	protein_coding	Yes	NM_020386.5	108
SLC12A7	protein_coding	Yes	NM_006598.3	108
EVC	protein_coding	Yes	NM_153717.3	108
CEP70	protein_coding	Yes	NM_024491.4	108
ASTE1	protein_coding	Yes	NM_014065.4	108
STC2	protein_coding	Yes	NM_003714.3	108

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ENST00000265310	9.1329699	-5.153077126	1.735873	-2.96858	0.002991804	0.023179081	ENSG000000127412	7	142908100	142933746
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ENST00000265361	175.237833	-1.753630946	0.300738	-5.83109	5.51E-09	2.76E-07	ENSG000000075223	7	80742537	80919051
ENST00000265523	225.093462	1.155912434	0.231752	4.987714	6.11E-07	1.92E-05	ENSG000000106605	7	43758679	43807342
ENST00000265598	192.488419	1.403058287	0.331422	4.233454	2.30E-05	0.000428884	ENSG000000078081	3	183122214	183162734
ENST00000265758	255.195258	-1.032169521	0.245484	-4.20463	2.62E-05	0.000478308	ENSG000000071462	7	73683596	73698212
ENST00000265806	67.7820457	1.097785638	0.388818	2.823393	0.004751831	0.033224563	ENSG000000104679	8	23288107	23296279
ENST00000266263	62.9930565	1.21495962	0.42001	2.892695	0.003819515	0.027982978	ENSG000000242114	22	30425767	30429054
ENST00000266383	17.1251766	2.214422638	0.814341	2.719283	0.006542361	0.042470406	ENSG000000139044	12	459938	563509
ENST00000266556	24.190656	4.953139994	1.019644	4.857716	1.19E-06	3.44E-05	ENSG000000139192	12	6452041	6462316
ENST00000266671	2241.58422	-1.039457301	0.143092	-7.26428	3.75E-13	3.90E-11	ENSG000000139289	12	76025446	76031776
ENST00000267328	195.776399	-1.091550541	0.254389	-4.29088	1.78E-05	0.000344819	ENSG000000139832	13	110523065	110561722
ENST00000268097	24.4102369	-6.607979987	1.539971	-4.29098	1.78E-05	0.000344717	ENSG000000213614	15	72340923	72376014
ENST00000268261	456.842396	-1.208604262	0.182937	-6.60668	3.93E-11	2.93E-09	ENSG000000140650	16	8797838	8849325
ENST00000268281	30.6961081	-1.973998422	0.593704	-3.32488	0.000884553	0.008898579	ENSG000000178226	16	31138925	31150066
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ENST00000269389	54.6182368	1.966983396	0.47439	4.146342	3.38E-05	0.000595717	ENSG000000141574	17	82321023	82333766
ENST00000269593	330.993426	-1.82807024	0.21578	-8.47191	2.41E-17	4.19E-15	ENSG000000141753	17	40443449	40457725
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ENST00000270645	13.3475599	-5.713731812	1.62518	-3.51575	0.000438509	0.005025574	ENSG000000142552	19	49528002	49543633
ENST00000271588	104.555332	-1.07375712	0.321194	-3.34302	0.000828721	0.008436872	ENSG000000143341	1	185734390	186190949
ENST00000271643	118.637572	1.263671479	0.331441	3.812662	0.000137478	0.001912831	ENSG000000143382	1	150549407	150560933
ENST00000271764	548.323457	1.175795956	0.169849	6.922612	4.43E-12	4.01E-10	ENSG000000143486	1	206591641	206612465
ENST00000272252	645.712447	1.043630398	0.182028	5.733363	9.85E-09	4.68E-07	ENSG000000143891	2	38666113	38734765
ENST00000272438	186.400735	1.278344612	0.251364	5.085635	3.66E-07	1.22E-05	ENSG000000144043	2	70985941	70994873
ENST00000272542	872.640124	-1.017515035	0.180734	-5.6299	1.80E-08	8.16E-07	ENSG000000144136	2	112645938	112663825
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ENST00000273067	35.4119129	-2.803052145	0.597649	-4.69013	2.73E-06	7.02E-05	ENSG000000144583	2	216257864	216372483
ENST00000274773	52.4810921	1.584351364	0.46242	3.426221	0.000612043	0.006573243	ENSG000000146054	5	181193923	181205196
ENST00000276646	230.625644	1.636173312	0.235452	6.94908	3.68E-12	3.39E-10	ENSG000000147642	8	109573977	109644822
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ENST00000278505	494.887179	1.958225689	0.180143	10.8704	1.59E-27	8.14E-25	ENSG000000149218	11	95089845	95132645
ENST00000280258	10558.6975	-1.390102891	0.110331	-12.5994	2.13E-36	2.33E-33	ENSG000000150687	11	86800541	86811233
ENST00000280551	121.427517	-1.25424878	0.303541	-4.13206	3.60E-05	0.000627426	ENSG000000150961	4	118722822	118836126
ENST00000280665	7.26194443	6.293426578	1.807692	3.481471	0.000498668	0.005564808	ENSG000000151065	12	1946052	2004457
ENST00000280734	41.1900059	-1.374378465	0.499234	-2.75297	0.005905654	0.03919235	ENSG000000151117	11	18698778	18704785
ENST00000281141	1418.51517	1.10158464	0.138883	7.931759	2.16E-15	2.98E-13	ENSG000000151465	10	12196187	12250589
ENST00000281172	312.847517	1.256107864	0.204355	6.146696	7.91E-10	4.67E-08	ENSG000000151491	12	15620133	15789388
ENST00000281441	441.09477	-2.313758824	0.190901	-12.1202	8.25E-34	7.42E-31	ENSG000000151715	11	129815847	129860003

SLC1A3	protein_coding	Yes	NM_004172.5	108
TRPV5	protein_coding	Yes	NM_019841.7	108
PECR	protein_coding	Yes	NM_018441.6	108
SEMA3C	protein_coding	Yes	NM_006379.5	108
BLVRA	protein_coding	Yes	NM_000712.4	108
LAMP3	protein_coding	Yes	NM_014398.4	108
BUD23	protein_coding	Yes	NM_017528.5	108
R3HCC1	protein_coding	Yes	NM_001136108.3	108
MTFP1	protein_coding	Yes	NM_016498.5	108
B4GALNT3	protein_coding	Yes	NM_173593.4	108
TAPBP1	protein_coding	Yes	NM_018009.5	108
PHLDA1	protein_coding	Yes	-	108
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HEXA	protein_coding	Yes	NM_000520.6	108
PMM2	protein_coding	Yes	NM_000303.3	108
PRSS36	protein_coding	Yes	NM_173502.5	108
NKD1	protein_coding	Yes	NM_033119.5	108
SECTM1	protein_coding	Yes	NM_003004.3	108
IGFBP4	protein_coding	Yes	NM_001552.3	108
SCYL1	protein_coding	Yes	NM_020680.4	108
RCN3	protein_coding	Yes	NM_020650.3	108
HMCN1	protein_coding	Yes	NM_031935.3	108
ADAMTSL4	protein_coding	Yes	NM_019032.6	108
EIF2D	protein_coding	Yes	NM_006893.3	108
GALM	protein_coding	Yes	NM_138801.3	108
TEX261	protein_coding	Yes	NM_144582.3	108
SLC20A1	protein_coding	Yes	NM_005415.5	108
ABCA12	protein_coding	Yes	NM_173076.3	108
MARCHF4	protein_coding	Yes	NM_020814.3	108
TRIM7	protein_coding	Yes	NM_203293.3	108
SYBU	protein_coding	Yes	NM_001099754.2	108
MINDY3	protein_coding	Yes	NM_024948.4	108
ENDOD1	protein_coding	Yes	NM_015036.3	108
PRSS23	protein_coding	Yes	NM_007173.6	108
SEC24D	protein_coding	Yes	NM_014822.4	108
DCP1B	protein_coding	Yes	NM_152640.5	108
TMEM86A	protein_coding	Yes	NM_153347.3	108
CDC123	protein_coding	Yes	NM_006023.3	108
EPS8	protein_coding	Yes	NM_004447.6	108
TMEM45B	protein_coding	Yes	NM_138788.5	108

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ENST00000281923	624.732235	-1.033934283	0.161751	-6.39215	1.64E-10	1.09E-08	ENSG00000152127	2	134254071	134454621
ENST00000281938	134.505817	-2.006212691	0.335647	-5.97714	2.27E-09	1.22E-07	ENSG00000152137	12	119178930	119194746
ENST00000282388	246.041103	1.082520568	0.223874	4.835392	1.33E-06	3.79E-05	ENSG00000152518	2	43222401	43226606
ENST00000282406	49.0014519	1.442107226	0.500247	2.882791	0.003941687	0.028679943	ENSG00000152527	2	43637259	43767987
ENST00000282588	17.7904687	-2.991290979	0.84289	-3.54885	0.000386917	0.004538944	ENSG00000213949	5	52787915	52959209
ENST00000282633	1303.41213	1.058500909	0.145318	7.284038	3.24E-13	3.41E-11	ENSG00000099290	10	50067953	50133509
ENST00000283233	33.2339415	1.644802791	0.559684	2.938806	0.003294791	0.0249734	ENSG00000153237	2	158171072	158456753
ENST00000285039	281.985925	1.082757607	0.225066	4.810842	1.50E-06	4.21E-05	ENSG00000167306	18	49822788	50195147
ENST00000285238	118.298952	-2.878735631	0.338462	-8.50535	1.81E-17	3.19E-15	ENSG00000108846	17	50634880	50692253
ENST00000285947	62.9369262	1.149885232	0.4037	2.848364	0.004394458	0.031286655	ENSG00000155542	5	56909595	56917348
ENST00000286201	475.530623	-1.639209819	0.189168	-8.66534	4.50E-18	8.36E-16	ENSG00000155760	2	202033854	202038441
ENST00000290472	4.96938648	-5.766431035	1.95871	-2.944	0.003240052	0.024671117	ENSG00000159337	15	42067008	42094562
ENST00000290510	71.5914354	-3.827234424	0.48325	-7.91978	2.38E-15	3.27E-13	ENSG00000110811	12	6828406	6839847
ENST00000290551	15.1895824	2.711443234	0.884635	3.06504	0.002176408	0.018136453	ENSG00000159388	1	203305518	203309602
ENST00000290573	20.8090471	-2.081243927	0.717264	-2.90164	0.003712117	0.027401383	ENSG00000159399	2	74834126	74893359
ENST00000290902	36.1238363	-2.413674685	0.563669	-4.28208	1.85E-05	0.000356656	ENSG00000159674	4	1166931	1172583
ENST00000292140	492.440348	-1.13415062	0.175079	-6.47792	9.30E-11	6.46E-09	ENSG00000176531	19	43475102	43504746
ENST00000293195	264.086265	1.02652471	0.218097	4.706745	2.52E-06	6.54E-05	ENSG00000161513	17	74862496	74872994
ENST00000293471	507.581144	1.137065838	0.175888	6.464733	1.01E-10	6.99E-09	ENSG00000176024	19	51927471	51946621
ENST00000294244	114.813006	-1.229108674	0.316751	-3.88036	0.0001043	0.00152565	ENSG00000168005	11	63813455	63827716
ENST00000295156	4.04681398	-5.467228023	2.052778	-2.66333	0.007737118	0.048289009	ENSG00000163032	2	17540695	17657018
ENST00000295448	77.4651482	-5.248742015	0.613653	-8.55327	1.20E-17	2.13E-15	ENSG00000163281	4	44701794	44726556
ENST00000295809	9.077598	6.614319008	1.747698	3.78459	0.000153962	0.002101864	ENSG00000163565	1	159009906	159055151
ENST00000296161	1548.69098	1.225990027	0.175566	6.983084	2.89E-12	2.70E-10	ENSG00000163840	3	122564337	122575203
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ENST00000296358	4.46615624	-5.612620884	2.01042	-2.79177	0.00524213	0.03572226	ENSG00000163982	4	4188725	4226929
ENST00000296370	414.884197	-1.949897616	0.202072	-9.64952	4.94E-22	1.41E-19	ENSG00000163993	4	6693877	6697170
ENST00000296498	61.8505607	-2.460868307	0.454527	-5.41412	6.16E-08	2.53E-06	ENSG00000164099	4	118280037	118353003
ENST00000296978	109.135179	5.016233917	0.500384	10.02478	1.19E-23	3.80E-21	ENSG00000164484	6	130366016	130443067
ENST00000297012	6.80409434	-6.217444682	1.827404	-3.40234	0.00066812	0.007070986	ENSG00000164508	6	25726062	25726562
ENST00000297261	8.96189663	-3.477457808	1.262607	-2.75419	0.005883767	0.039090013	ENSG00000164690	7	155799979	155812463
ENST00000297785	4.97786475	5.74958366	1.949778	2.94884	0.003189689	0.024372674	ENSG00000165092	9	72900670	72953053
ENST00000297990	1665.58298	-1.773476922	0.433714	-4.08905	4.33E-05	0.000732969	ENSG00000165271	9	33461352	33473924
ENST00000297991	201.416512	-2.552476068	0.291775	-8.74811	2.17E-18	4.23E-16	ENSG00000165272	9	33441159	33447593
ENST00000298130	249.153609	1.237006638	0.231625	5.340563	9.27E-08	3.63E-06	ENSG00000165389	14	34432787	34462240
ENST00000298299	95.8277313	1.507206627	0.35779	4.212542	2.53E-05	0.000463813	ENSG00000165512	10	45000922	45005326
ENST00000298428	112.10142	1.157992993	0.311847	3.713333	0.000204547	0.002673248	ENSG00000065665	10	12129676	12165407
ENST00000298596	175.00903	1.757512283	0.263585	6.667717	2.60E-11	2.01E-09	ENSG00000165730	10	68827530	68893060
ENST00000299001	29.5065672	-1.839955081	0.596356	-3.08533	0.002033278	0.017196409	ENSG00000134627	11	94567367	94621421

PARP8	protein_coding	Yes	NM_024615.4	108
MGAT5	protein_coding	Yes	NM_002410.5	108
HSPB8	protein_coding	Yes	NM_014365.3	108
ZFP36L2	protein_coding	Yes	NM_006887.5	108
PLEKHH2	protein_coding	Yes	NM_172069.4	108
ITGA1	protein_coding	Yes	NM_181501.2	108
WASHC2A	protein_coding	Yes	NM_001005751.3	108
CCDC148	protein_coding	Yes	NM_138803.4	108
MYO5B	protein_coding	Yes	NM_001080467.3	108
ABCC3	protein_coding	Yes	NM_003786.4	108
SETD9	protein_coding	Yes	NM_153706.4	108
FZD7	protein_coding	Yes	NM_003507.2	108
PLA2G4D	protein_coding	Yes	NM_178034.4	108
P3H3	protein_coding	Yes	NM_014262.5	108
BTG2	protein_coding	Yes	NM_006763.3	108
HK2	protein_coding	Yes	NM_000189.5	108
SPON2	protein_coding	Yes	NM_012445.4	108
PHLDB3	protein_coding	Yes	NM_198850.4	108
FDXR	protein_coding	Yes	NM_024417.5	108
ZNF613	protein_coding	Yes	NM_001031721.4	108
SPINDOC	protein_coding	Yes	NM_138471.3	108
VSNL1	protein_coding	Yes	NM_003385.5	108
GNPDA2	protein_coding	Yes	NM_138335.3	108
IFI16	protein_coding	Yes	NM_001376587.1	108
DTX3L	protein_coding	Yes	NM_138287.3	108
IL17RD	protein_coding	Yes	NM_017563.5	108
OTOP1	protein_coding	Yes	NM_177998.3	108
S100P	protein_coding	Yes	NM_005980.3	108
PRSS12	protein_coding	Yes	NM_003619.4	108
TMEM200A	protein_coding	Yes	NM_001258277.2	108
H2AC1	protein_coding	Yes	NM_170745.3	108
SHH	protein_coding	Yes	NM_000193.4	108
ALDH1A1	protein_coding	Yes	NM_000689.5	108
NOL6	protein_coding	Yes	NM_022917.5	108
AQP3	protein_coding	Yes	NM_004925.5	108
SPTSSA	protein_coding	Yes	NM_138288.4	108
ZNF22	protein_coding	Yes	NM_006963.5	108
SEC61A2	protein_coding	Yes	NM_018144.4	108
STOX1	protein_coding	Yes	NM_152709.5	108
PIWIL4	protein_coding	Yes	NM_152431.3	108

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ENST00000299237	78.9675647	1.007453974	0.372262	2.706307	0.006803616	0.043765952	ENSG00000166188	16	57994675	58000672
ENST00000299440	197.446866	1.29132095	0.266746	4.841022	1.29E-06	3.70E-05	ENSG00000166349	11	36568006	36579762
ENST00000299698	4.02584198	-5.460585771	2.05251	-2.66044	0.007803783	0.048574694	ENSG00000166535	12	8822620	8876787
ENST00000300179	51.1761638	-1.498287829	0.452477	-3.3113	0.000928641	0.009264091	ENSG00000166924	7	100483926	100494802
ENST00000300181	511.315319	-1.013750171	0.173093	-5.85668	4.72E-09	2.39E-07	ENSG00000166925	7	100466518	100479214
ENST00000300291	1602.71583	1.16304591	0.130749	8.895269	5.83E-19	1.22E-16	ENSG00000167005	16	56429132	56451332
ENST00000300527	30.1247447	-2.324177521	0.632615	-3.67392	0.000238856	0.003056373	ENSG00000142173	21	46098111	46132848
ENST00000300784	30.3066126	2.080200635	0.60528	3.436758	0.000588721	0.006364837	ENSG00000167363	17	82735614	82751196
ENST00000300849	220.43441	-1.00178006	0.242333	-4.1339	3.57E-05	0.000623001	ENSG00000167394	16	31060846	31074240
ENST00000301732	38.9934689	1.473227359	0.514808	2.861701	0.00421374	0.030218596	ENSG00000167972	16	2275880	2340728
ENST00000302060	65.6404415	1.224987159	0.405227	3.022962	0.002503133	0.020204069	ENSG00000170464	5	139410202	139439525
ENST00000302274	10.0381892	-4.264236758	1.354803	-3.1475	0.001646753	0.014628714	ENSG00000170522	4	110045845	110198615
ENST00000302628	42.2227866	-1.532985798	0.510503	-3.00289	0.002674267	0.021270707	ENSG00000172137	16	71358722	71390433
ENST00000302850	488.937099	1.426048414	0.215629	6.613422	3.76E-11	2.82E-09	ENSG00000171105	19	7112264	7294414
ENST00000303225	86.645549	-1.900037792	0.36343	-5.22806	1.71E-07	6.24E-06	ENSG00000171124	19	5842887	5851449
ENST00000303460	70.5392393	-1.843599181	0.394741	-4.6704	3.01E-06	7.61E-05	ENSG00000180818	12	53985145	53990279
ENST00000303721	65.5728842	1.310203254	0.397968	3.292235	0.000993943	0.009796248	ENSG00000172456	1	59297093	59762730
ENST00000303746	300.443298	-2.970091168	0.229691	-12.9308	3.02E-38	4.14E-35	ENSG00000131650	16	2964274	2968380
ENST00000304735	695.498767	-1.596457362	0.172636	-9.24752	2.30E-20	5.60E-18	ENSG00000168140	16	4371847	4383538
ENST00000304749	8.64923935	-6.566721345	1.771398	-3.70708	0.000209659	0.002731554	ENSG00000170373	20	23747561	23750935
ENST00000304800	333.174402	-1.162521521	0.201422	-5.77158	7.85E-09	3.81E-07	ENSG00000168701	16	67227129	67229278
ENST00000305352	16.436323	-3.943674654	1.024317	-3.85005	0.000118092	0.001690086	ENSG00000170989	1	101237018	101241518
ENST00000305428	326.321709	-1.189876334	0.210281	-5.6585	1.53E-08	7.02E-07	ENSG00000169330	15	79432335	79472304
ENST00000305544	1049.51512	1.306743766	0.190916	6.844597	7.67E-12	6.62E-10	ENSG00000172037	3	49121113	49133050
ENST00000305560	392.895637	-1.004373276	0.227366	-4.41743	9.99E-06	0.000211617	ENSG00000171763	15	45402335	45421415
ENST00000305709	40.1674788	1.630766881	0.509436	3.201121	0.00136894	0.012667726	ENSG00000170161	9	62897448	62900104
ENST00000305747	457.10302	2.472951032	0.206615	11.96887	5.17E-33	4.38E-30	ENSG00000172292	2	168456271	168775134
ENST00000305798	90.8875354	-1.331804014	0.342643	-3.88685	0.000101553	0.001491238	ENSG00000168785	4	98470366	98658611
ENST00000306390	68.1771149	-9.543665291	1.49078	-6.40179	1.54E-10	1.03E-08	ENSG00000171236	19	4536401	4540036
ENST00000307102	1349.04253	-1.069098918	0.16732	-6.38953	1.66E-10	1.10E-08	ENSG00000169032	15	66386911	66491544
ENST00000307365	1502.53647	-1.26615713	0.134362	-9.42351	4.36E-21	1.12E-18	ENSG00000168209	10	72273923	72276036
ENST00000307407	50.3479604	-3.457770236	0.549325	-6.29458	3.08E-10	1.95E-08	ENSG00000169429	4	73740568	73743716
ENST00000307428	218.453126	9.761321444	1.451992	6.72271	1.78E-11	1.42E-09	ENSG00000169116	4	74933115	75050113
ENST00000307465	54.929461	1.995131424	0.452579	4.408363	1.04E-05	0.000219204	ENSG00000138769	4	75576495	75630528
ENST00000307729	519.1164	1.071484625	0.180212	5.945678	2.75E-09	1.46E-07	ENSG00000078403	10	21534231	21743630
ENST00000308874	163.336529	-1.412912152	0.268179	-5.26855	1.38E-07	5.15E-06	ENSG00000172889	9	136662915	136672678
ENST00000308919	41.1367729	-4.506393547	0.709871	-6.34818	2.18E-10	1.41E-08	ENSG00000073067	7	983180	989640
ENST00000309328	439.944669	-1.248397879	0.218771	-5.70642	1.15E-08	5.41E-07	ENSG00000173465	11	65570476	65571888
ENST00000309422	156.796639	-1.032666821	0.267954	-3.85389	0.000116256	0.001669218	ENSG00000173511	11	64234583	64239264

SPRED1	protein_coding	Yes	NM_152594.3	108
ZNF319	protein_coding	Yes	NM_020807.3	108
RAG1	protein_coding	Yes	NM_000448.3	108
A2ML1	protein_coding	Yes	NM_144670.6	108
NYAP1	protein_coding	Yes	NM_173564.4	108
TSC22D4	protein_coding	Yes	NM_030935.5	108
NUDT21	protein_coding	Yes	NM_007006.3	108
COL6A2	protein_coding	Yes	NM_001849.4	108
FN3K	protein_coding	Yes	NM_022158.4	108
ZNF668	protein_coding	Yes	NM_024706.5	108
ABCA3	protein_coding	Yes	NM_001089.3	108
DNAJC18	protein_coding	Yes	NM_152686.4	108
ELOVL6	protein_coding	Yes	NM_024090.3	108
CALB2	protein_coding	Yes	NM_001740.5	108
INSR	protein_coding	Yes	NM_000208.4	108
FUT3	protein_coding	Yes	-	108
HOXC10	protein_coding	Yes	NM_017409.4	108
FGGY	protein_coding	Yes	NM_018291.5	108
KREMEN2	protein_coding	Yes	NM_172229.3	108
VASN	protein_coding	Yes	NM_138440.3	108
CST1	protein_coding	Yes	NM_001898.3	108
TMEM208	protein_coding	Yes	NM_014187.4	108
S1PR1	protein_coding	Yes	NM_001400.5	108
MINAR1	protein_coding	Yes	NM_015206.3	108
LAMB2	protein_coding	Yes	NM_002292.4	108
SPATA5L1	protein_coding	Yes	NM_024063.3	108
FAM88B	lncRNA	Yes	-	108
CERS6	protein_coding	Yes	NM_203463.3	108
TSPAN5	protein_coding	Yes	NM_005723.4	108
LRG1	protein_coding	Yes	NM_052972.3	108
MAP2K1	protein_coding	Yes	NM_002755.4	108
DDIT4	protein_coding	Yes	NM_019058.4	108
CXCL8	protein_coding	Yes	NM_000584.4	108
PARM1	protein_coding	Yes	NM_015393.4	108
CDKL2	protein_coding	Yes	NM_001330724.2	108
MLLT10	protein_coding	Yes	NM_001195626.3	108
EGFL7	protein_coding	Yes	NM_016215.5	108
CYP2W1	protein_coding	Yes	NM_017781.3	108
ZNRD2	protein_coding	Yes	NM_006396.3	108
VEGFB	protein_coding	Yes	NM_003377.5	108

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ENST00000309951	637.422828	-1.166393812	0.170709	-6.83266	8.34E-12	7.15E-10	ENSG00000122729	9	32384642	32454769
ENST00000310833	4.52907223	-5.630511359	1.993554	-2.82436	0.004737537	0.033149239	ENSG00000174059	1	207880971	207911125
ENST00000311052	1646.43453	-1.36446277	0.142048	-9.60566	7.57E-22	2.10E-19	ENSG00000153048	16	8852946	8869006
ENST00000311177	37.6752444	-2.028863147	0.540433	-3.75414	0.000173936	0.00233063	ENSG00000170689	17	48621155	48626358
ENST00000311208	386.145115	-2.120846305	0.26465	-8.01379	1.11E-15	1.57E-13	ENSG00000128422	17	41619441	41624575
ENST00000311852	3012.66641	-1.198771137	0.121607	-9.85776	6.35E-23	1.92E-20	ENSG00000157227	14	22836584	22847758
ENST00000312108	645.016003	1.011218683	0.168572	5.998748	1.99E-09	1.09E-07	ENSG00000205560	22	50568860	50578427
ENST00000312134	158.408412	-1.237939807	0.278115	-4.45118	8.54E-06	0.000185468	ENSG00000175315	11	66012007	66013505
ENST00000312438	63.8940793	-1.267741109	0.415658	-3.04996	0.002288691	0.018856724	ENSG00000175505	11	67364167	67373598
ENST00000312562	82.8716797	-1.088991232	0.355725	-3.06133	0.002203589	0.018317504	ENSG00000175592	11	65892048	65900388
ENST00000313005	78.7064443	1.763161993	0.386547	4.56131	5.08E-06	0.000118708	ENSG00000186318	11	117285697	117316256
ENST00000313093	159.553556	-1.759513516	0.27682	-6.35617	2.07E-10	1.35E-08	ENSG00000180448	19	1067166	1086628
ENST00000313401	186.304976	-1.347629132	0.271122	-4.97057	6.68E-07	2.08E-05	ENSG00000176749	17	32486992	32491253
ENST00000313546	117.301272	1.050451155	0.304003	3.455399	0.00054948	0.006024185	ENSG00000139323	12	89419717	89526047
ENST00000316105	20.9146179	6.362150943	1.572747	4.045246	5.23E-05	0.000857505	ENSG00000177839	5	141187160	141191541
ENST00000316157	1138.23246	1.301920892	0.145856	8.926072	4.41E-19	9.32E-17	ENSG00000107929	10	809496	931705
ENST00000317008	11.4782717	-2.780515201	1.045587	-2.65929	0.007830661	0.048702558	ENSG00000178412	18	79638927	79679745
ENST00000317571	132.774603	-1.073808178	0.287725	-3.73207	0.000189914	0.002510694	ENSG00000168234	18	24014753	24135600
ENST00000318443	468.295552	-1.102552872	0.177503	-6.21144	5.25E-10	3.20E-08	ENSG00000103855	15	73684382	73714514
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ENST00000318683	369.568968	-1.085952383	0.198353	-5.47485	4.38E-08	1.85E-06	ENSG00000179913	19	17795137	17813576
ENST00000318948	121.868803	8.917402295	1.455978	6.124682	9.09E-10	5.32E-08	ENSG00000180530	21	14961234	15065000
ENST00000319017	99.7340423	1.149532856	0.337359	3.407451	0.000655728	0.006960793	ENSG00000178537	3	48856925	48898882
ENST00000319349	204.892178	-2.226567975	0.304454	-7.31332	2.61E-13	2.77E-11	ENSG00000175832	17	43527845	43546340
ENST00000319359	27.2039246	1.968931542	0.627071	3.139886	0.001690137	0.014919169	ENSG00000128886	15	43772619	43776966
ENST00000319550	404.503511	1.385142541	0.19627	7.05733	1.70E-12	1.63E-10	ENSG00000178425	6	116100852	116249497
ENST00000319933	102.021645	1.356743004	0.326554	4.154725	3.26E-05	0.000577974	ENSG00000181751	5	103258762	103278660
ENST00000320892	70.0854907	6.523476897	0.923586	7.063208	1.63E-12	1.57E-10	ENSG00000151692	2	6917411	7044179
ENST00000320895	2496.50913	-1.382784446	0.156084	-8.85922	8.06E-19	1.67E-16	ENSG00000049656	5	1317751	1345099
ENST00000320954	1143.26741	1.014194718	0.151518	6.693551	2.18E-11	1.70E-09	ENSG00000170275	3	33114013	33147773
ENST00000321562	464.714676	-1.204178931	0.177969	-6.76622	1.32E-11	1.08E-09	ENSG00000141756	17	41813003	41823213
ENST00000322563	115.059719	-1.86547314	0.31657	-5.89278	3.80E-09	1.96E-07	ENSG00000085741	11	76186324	76206502
ENST00000323468	410.210468	1.083172777	0.184253	5.878739	4.13E-09	2.12E-07	ENSG00000178202	11	108472115	108498384
ENST00000323851	3538.98912	-1.931905915	0.122882	-15.7217	1.07E-55	5.07E-52	ENSG00000104419	8	133237174	133297252
ENST00000323963	3261.9461	1.099594719	0.118735	9.260881	2.03E-20	4.97E-18	ENSG00000156976	3	186783576	186789897
ENST00000324001	68.9383425	1.598810489	0.396576	4.031539	5.54E-05	0.000899526	ENSG00000105227	19	40393767	40413378
ENST00000324093	123.868881	-1.56787984	0.300994	-5.20901	1.90E-07	6.85E-06	ENSG00000004399	3	129555213	129606676
ENST00000324219	429.459497	1.164201211	0.18574	6.267904	3.66E-10	2.29E-08	ENSG00000071054	2	101697706	101894690
ENST00000324348	87.5132805	1.443986769	0.35556	4.061159	4.88E-05	0.000811009	ENSG00000179859	17	7913338	7916289

GRAMD2A	protein_coding	Yes	NM_001012642.3	108
ACO1	protein_coding	Yes	NM_002197.3	108
CD34	protein_coding	Yes	NM_001025109.2	108
CARHSP1	protein_coding	Yes	NM_014316.4	108
HOXB9	protein_coding	Yes	NM_024017.5	108
KRT17	protein_coding	Yes	NM_000422.3	108
MMP14	protein_coding	Yes	NM_004995.4	108
CPT1B	protein_coding	Yes	NM_152246.3	108
CST6	protein_coding	Yes	NM_001323.4	108
CLCF1	protein_coding	Yes	NM_013246.3	108
FOSL1	protein_coding	Yes	NM_005438.5	108
BACE1	protein_coding	Yes	NM_012104.6	108
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CDK5R1	protein_coding	Yes	NM_003885.3	108
POC1B	protein_coding	Yes	NM_172240.3	108
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LARP4B	protein_coding	Yes	NM_015155.3	108
CTDP1-DT	lncRNA	Yes	-	108
TTC39C	protein_coding	Yes	NM_001135993.2	108
CD276	protein_coding	Yes	NM_001024736.2	108
MEOX1	protein_coding	Yes	NM_004527.4	108
B3GNT3	protein_coding	Yes	NM_014256.4	108
NRIP1	protein_coding	Yes	NM_003489.4	108
SLC25A20	protein_coding	Yes	NM_000387.6	108
ETV4	protein_coding	Yes	NM_001079675.5	108
ELL3	protein_coding	Yes	NM_025165.3	108
NT5DC1	protein_coding	Yes	NM_152729.3	108
MACIR	protein_coding	Yes	NM_033211.4	108
RNF144A	protein_coding	Yes	NM_014746.6	108
CLPTM1L	protein_coding	Yes	NM_030782.5	108
CRTAP	protein_coding	Yes	NM_006371.5	108
FKBP10	protein_coding	Yes	NM_021939.4	108
WNT11	protein_coding	Yes	NM_004626.3	108
POGLUT3	protein_coding	Yes	NM_153705.5	108
NDRG1	protein_coding	Yes	NM_006096.4	108
EIF4A2	protein_coding	Yes	NM_001967.4	108
PRX	protein_coding	Yes	NM_181882.3	108
PLXND1	protein_coding	Yes	NM_015103.3	108
MAP4K4	protein_coding	Yes	NM_001395002.1	108
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ENST00000325102	121.419033	1.093937833	0.301575	3.627415	0.000286273	0.00355036	ENSG00000125457	17	75266227	75271231
ENST00000325888	12.9600743	-2.730118631	0.98969	-2.75856	0.005805665	0.038690185	ENSG00000128591	7	128830405	128859272
ENST00000326134	929.083612	-1.016427557	0.157754	-6.44311	1.17E-10	7.99E-09	ENSG00000179832	8	144148015	144261926
ENST00000326427	338.903745	-1.787113446	0.235733	-7.58109	3.43E-14	4.06E-12	ENSG00000135916	2	230864941	230879248
ENST00000327111	15.6823268	-3.282060724	0.951625	-3.4489	0.000562872	0.006137625	ENSG00000175745	5	93583221	93594611
ENST00000327347	1239.26275	1.975450951	0.141802	13.93106	4.10E-44	1.09E-40	ENSG00000086475	10	13317427	13348293
ENST00000327490	68.3802725	1.267280389	0.389494	3.253659	0.001139288	0.010952342	ENSG00000185262	17	76265347	76271298
ENST00000327669	226.515847	-1.0002413	0.234948	-4.25729	2.07E-05	0.000392713	ENSG00000184731	2	38813	46505
ENST00000327741	840.741814	-1.33469775	0.151252	-8.82431	1.10E-18	2.26E-16	ENSG00000205426	12	52285912	52291534
ENST00000327773	421.162616	-1.526214063	0.20086	-7.59838	3.00E-14	3.57E-12	ENSG00000183087	13	113820548	113864076
ENST00000328459	76.168919	1.130665278	0.37058	3.051072	0.002280262	0.018802827	ENSG00000165914	14	90524563	90816430
ENST00000329078	382.785119	-3.582054393	0.22205	-16.1317	1.53E-58	1.05E-54	ENSG00000183018	17	4498880	4539035
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ENST00000329608	54.2320427	-1.220037927	0.443091	-2.75347	0.005896726	0.039153731	ENSG00000184371	1	109910848	109930992
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ENST00000330055	252.390654	-1.062418096	0.220636	-4.81524	1.47E-06	4.14E-05	ENSG00000184160	4	3766384	3768526
ENST00000330651	121.475743	-1.518874667	0.309191	-4.91241	9.00E-07	2.71E-05	ENSG00000185386	22	50263712	50270380
ENST00000330714	52.7091454	3.916581492	0.571964	6.847599	7.51E-12	6.49E-10	ENSG00000183486	21	41362026	41409393
ENST00000330722	20.7722304	-6.376206817	1.575752	-4.04645	5.20E-05	0.000853841	ENSG00000205420	12	52487175	52493257
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ENST00000330889	30.1536978	1.582959843	0.582093	2.719426	0.006539526	0.042455652	ENSG00000184060	17	30921944	30959322
ENST00000330891	9.64102127	5.225864396	1.721664	3.035358	0.002402507	0.019575874	ENSG00000127325	12	69653608	69699303
ENST00000331366	77.5600519	3.159775414	0.432464	7.30645	2.74E-13	2.90E-11	ENSG00000139117	12	38652202	38905591
ENST00000331872	1152.00934	1.461571888	0.191119	7.64744	2.05E-14	2.51E-12	ENSG00000135821	1	182378097	182391790
ENST00000332145	4.26697111	-5.544915273	2.022592	-2.74149	0.006116115	0.040284792	ENSG00000182950	15	75724040	75727688
ENST00000332585	50.8138459	1.27487117	0.453152	2.813341	0.004902957	0.034021322	ENSG00000184792	22	30694873	30907813
ENST00000333050	98.4234954	-1.13328989	0.328374	-3.45122	0.000558057	0.006097195	ENSG00000184857	16	8795179	8797639
ENST00000333437	30.3395867	3.177166691	0.674678	4.70916	2.49E-06	6.47E-05	ENSG00000182459	17	82359246	82363775
ENST00000333467	789.819783	1.458941391	0.153182	9.524249	1.66E-21	4.42E-19	ENSG00000179750	22	38982346	38992779
ENST00000333482	4.57101623	-5.642314047	1.996969	-2.82544	0.004721582	0.033094212	ENSG00000249021	5	115691461	115692167
ENST00000334062	28.7784493	-8.299112121	1.544422	-5.3736	7.72E-08	3.10E-06	ENSG00000185989	13	113977782	114132623
ENST00000334166	13.5939527	5.732451991	1.637153	3.501476	0.000462688	0.005248101	ENSG00000187123	2	149330586	149474138
ENST00000334186	260.904523	-1.180678751	0.220237	-5.36094	8.28E-08	3.30E-06	ENSG00000177380	19	49119543	49151026
ENST00000335174	37.5650334	-1.376715935	0.518726	-2.65403	0.007953601	0.049269913	ENSG00000186352	4	185396840	185400241
ENST00000335181	18213.6983	-1.041874157	0.348642	-2.98838	0.002804625	0.022066001	ENSG00000067225	15	72199028	72231190
ENST00000335678	8.73312734	-6.57918312	1.752004	-3.75523	0.00017318	0.002322279	ENSG00000185974	13	113667218	113737736
ENST00000336119	39.299653	-1.529429098	0.521491	-2.9328	0.003359218	0.025362538	ENSG00000162711	1	247416172	247448817
ENST00000336174	73.5609396	1.214852055	0.38133	3.185828	0.001443403	0.013203178	ENSG00000266173	17	63702831	63741799

DIAPH2	protein_coding	Yes	NM_006729.5	108
MIF4GD	protein_coding	Yes	NM_001370592.1	108
FLNC	protein_coding	Yes	NM_001458.5	108
MROH1	protein_coding	Yes	NM_032450.3	108
ITM2C	protein_coding	Yes	NM_030926.6	108
NR2F1	protein_coding	Yes	NM_005654.6	108
SEPHS1	protein_coding	Yes	NM_012247.5	108
UBALD2	protein_coding	Yes	NM_182565.4	108
FAM110C	protein_coding	Yes	NM_001077710.3	108
KRT81	protein_coding	Yes	NM_002281.4	108
GAS6	protein_coding	Yes	NM_000820.4	108
TTC7B	protein_coding	Yes	NM_001010854.2	108
SPNS2	protein_coding	Yes	NM_001124758.3	108
ODF3B	protein_coding	Yes	NM_001014440.4	108
CSF1	protein_coding	Yes	NM_000757.6	108
PYCR1	protein_coding	Yes	NM_006907.4	108
B4GALNT4	protein_coding	Yes	NM_178537.5	108
ADRA2C	protein_coding	Yes	NM_000683.4	108
MAPK11	protein_coding	Yes	NM_002751.7	108
MX2	protein_coding	Yes	NM_002463.2	108
KRT6A	protein_coding	Yes	NM_005554.4	108
STING1	protein_coding	Yes	NM_198282.4	108
ADAP2	protein_coding	Yes	NM_018404.3	108
BEST3	protein_coding	Yes	NM_032735.3	108
CPNE8	protein_coding	Yes	NM_153634.3	108
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ODF3L1	protein_coding	Yes	NM_175881.5	108
OSBP2	protein_coding	Yes	NM_030758.4	108
TMEM186	protein_coding	Yes	NM_015421.4	108
TEX19	protein_coding	Yes	NM_207459.4	108
APOBEC3B	protein_coding	Yes	NM_004900.5	108
-	lncRNA	Yes	-	108
RASA3	protein_coding	Yes	NM_007368.4	108
LYPD6	protein_coding	Yes	NM_194317.5	108
PPFIA3	protein_coding	Yes	NM_003660.4	108
ANKRD37	protein_coding	Yes	NM_181726.4	108
PKM	protein_coding	Yes	NM_002654.6	108
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STRADA	protein_coding	Yes	NM_001003787.4	108

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ENST00000336374	17.26569	-2.727712065	0.857976	-3.17924	0.001476615	0.01343461	ENSG00000160870	7	99705035	99735196
ENST00000336395	521.114906	-1.298531881	0.175852	-7.38424	1.53E-13	1.67E-11	ENSG00000107140	9	35605261	35610033
ENST00000336689	69.520957	-1.289523387	0.389781	-3.30833	0.000938538	0.009346479	ENSG00000088280	1	23428562	23484179
ENST00000337619	1745.08893	-1.235344296	0.138519	-8.91824	4.74E-19	9.96E-17	ENSG00000106367	7	101154475	101161276
ENST00000337702	223.51841	1.230867843	0.248269	4.957807	7.13E-07	2.20E-05	ENSG00000113638	5	40711575	40755961
ENST00000337910	1660.22302	1.029056205	0.361941	2.84316	0.004466857	0.03167757	ENSG00000072422	10	60869437	60944185
ENST00000337975	160.205813	-1.095916946	0.280648	-3.90496	9.42E-05	0.001401448	ENSG00000183655	15	85759325	85794925
ENST00000338037	795.961521	1.438596992	0.207594	6.929845	4.21E-12	3.83E-10	ENSG00000182621	20	8132265	8884900
ENST00000338343	624.793715	-1.057624245	0.164359	-6.43483	1.24E-10	8.42E-09	ENSG00000099364	16	30923571	30948783
ENST00000338380	54.9353595	-1.838472477	0.455322	-4.03774	5.40E-05	0.000880513	ENSG00000124107	20	45252238	45254564
ENST00000338415	6.05973497	-6.049979257	1.870544	-3.23434	0.001219233	0.011578734	ENSG00000115828	2	37344629	37373322
ENST00000338483	328.867576	-1.228850292	0.21329	-5.7614	8.34E-09	4.02E-07	ENSG00000185022	22	38201993	38216507
ENST00000338523	306.887875	1.104481376	0.213369	5.17639	2.26E-07	7.98E-06	ENSG00000086300	7	26291861	26374383
ENST00000339464	97.8529323	-1.174956568	0.329056	-3.57069	0.000356045	0.004254047	ENSG00000188064	22	45920365	45977162
ENST00000339732	24.1811072	-1.782552155	0.658506	-2.70696	0.006790151	0.0437091	ENSG00000131386	3	16174679	16230165
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ENST00000340093	627.82311	-1.039997579	0.16306	-6.37801	1.79E-10	1.18E-08	ENSG00000011422	19	43648578	43670169
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ENST00000340249	14.9939673	-2.966743007	0.943668	-3.14384	0.001667449	0.01475947	ENSG00000291004	15	22610352	22617854
ENST00000340368	508.522855	-1.004620304	0.179745	-5.58916	2.28E-08	1.02E-06	ENSG00000186480	7	155297877	155310235
ENST00000340607	120.68279	1.94843052	0.311937	6.246233	4.20E-10	2.61E-08	ENSG00000148344	9	129738348	129753042
ENST00000340958	2491.86513	-1.60014528	0.128317	-12.4702	1.09E-35	1.10E-32	ENSG00000189143	7	73830995	73832690
ENST00000340967	30.208447	1.787123114	0.5897	3.030563	0.002440979	0.019835871	ENSG00000177076	9	19409008	19452505
ENST00000341184	222.793968	-2.101345233	0.249399	-8.42563	3.59E-17	6.09E-15	ENSG00000128268	22	39457011	39492194
ENST00000341259	126.33671	-1.35223928	0.296962	-4.55357	5.27E-06	0.000122537	ENSG00000111252	12	111405922	111451623
ENST00000341469	170.909524	1.435617315	0.271628	5.285227	1.26E-07	4.74E-06	ENSG00000106785	9	98084352	98119222
ENST00000341744	283.606919	-1.470490482	0.259225	-5.67264	1.41E-08	6.50E-07	ENSG00000124225	20	57648395	57710015
ENST00000341864	180.304016	1.28006701	0.260759	4.908999	9.15E-07	2.75E-05	ENSG00000187325	X	78129747	78139650
ENST00000341948	10.2834674	4.280432032	1.352868	3.163969	0.001556334	0.014007286	ENSG00000187372	5	141213918	141218979
ENST00000342435	1115.65735	2.226827585	0.202217	11.01208	3.34E-28	1.95E-25	ENSG00000188313	3	146515179	146544607
ENST00000342456	61.7514945	3.071117993	0.484948	6.332878	2.41E-10	1.55E-08	ENSG00000006534	11	68010326	68029276
ENST00000343959	67.5795155	-2.66855152	0.429659	-6.21086	5.27E-10	3.21E-08	ENSG00000188100	10	87020293	87024730
ENST00000344293	82.3832648	1.019188119	0.362056	2.815004	0.004877664	0.033897375	ENSG00000165632	10	7818504	8016631
ENST00000344320	403.706132	-1.462347423	0.202673	-7.2153	5.38E-13	5.51E-11	ENSG00000188277	15	40769979	40772449
ENST00000344363	23.5714566	7.993540763	1.563982	5.111018	3.20E-07	1.08E-05	ENSG00000221880	17	41033883	41034874
ENST00000344646	108.380384	1.503364727	0.336737	4.464505	8.03E-06	0.000175934	ENSG00000172671	10	45615499	45672772
ENST00000344754	5.83957784	-5.995698975	1.890982	-3.17068	0.001520823	0.013761437	ENSG00000088827	20	3686969	3712600
ENST00000345136	15712.8633	-1.328397912	0.125409	-10.5925	3.23E-26	1.29E-23	ENSG00000178209	8	143915152	143939597
ENST00000345146	2490.59847	1.159740877	0.157156	7.379541	1.59E-13	1.72E-11	ENSG00000138413	2	208236228	208255071

KLK5	protein_coding	Yes	NM_012427.5	108
CYP3A7	protein_coding	Yes	NM_000765.5	108
TESK1	protein_coding	Yes	NM_006285.3	108
ASAP3	protein_coding	Yes	NM_017707.4	108
AP1S1	protein_coding	Yes	NM_001283.5	108
TTC33	protein_coding	Yes	NM_012382.3	108
RHOBTB1	protein_coding	Yes	NM_014836.5	108
KLHL25	protein_coding	Yes	NM_022480.4	108
PLCB1	protein_coding	Yes	NM_015192.4	108
FBXL19	protein_coding	Yes	NM_001382779.1	108
SLPI	protein_coding	Yes	NM_003064.4	108
QPCT	protein_coding	Yes	NM_012413.4	108
MAFF	protein_coding	Yes	NM_012323.4	108
SNX10	protein_coding	Yes	NM_013322.3	108
WNT7B	protein_coding	Yes	NM_058238.3	108
GALNT15	protein_coding	Yes	NM_054110.5	108
NCCRP1	protein_coding	Yes	NM_001001414.2	108
PLAUR	protein_coding	Yes	NM_002659.4	108
SP100	protein_coding	Yes	NM_001080391.2	108
GOLGA8IP	lncRNA	Yes	-	108
INSIG1	protein_coding	Yes	NM_005542.6	108
PTGES	protein_coding	Yes	NM_004878.5	108
CLDN4	protein_coding	Yes	NM_001305.5	108
ACER2	protein_coding	Yes	NM_001010887.3	108
MGAT3	protein_coding	Yes	NM_002409.5	108
SH2B3	protein_coding	Yes	NM_005475.3	108
TRIM14	protein_coding	Yes	NM_014788.4	108
PMEPA1	protein_coding	Yes	NM_020182.5	108
TAF9B	protein_coding	Yes	NM_015975.5	108
PCDHB13	protein_coding	Yes	NM_018933.4	108
PLSCR1	protein_coding	Yes	NM_021105.3	108
ALDH3B1	protein_coding	Yes	NM_000694.4	108
FAM25A	protein_coding	Yes	NM_001146157.3	108
TAF3	protein_coding	Yes	NM_031923.4	108
C15orf62	protein_coding	Yes	NM_001130448.3	108
KRTAP1-3	protein_coding	Yes	NM_030966.2	108
ZFAND4	protein_coding	Yes	NM_174890.4	108
SIGLEC1	protein_coding	Yes	NM_023068.4	108
PLEC	protein_coding	Yes	NM_201384.3	108
IDH1	protein_coding	Yes	NM_005896.4	108

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ENST00000345988	5268.91645	-1.007441213	0.113474	-8.87818	6.80E-19	1.42E-16	ENSG00000118898	16	4882506	4937148
ENST00000346872	4.46615624	-5.612620884	2.01042	-2.79177	0.00524213	0.03572226	ENSG00000161405	17	39757717	39864312
ENST00000347055	160.659523	1.025874929	0.278154	3.68816	0.000225881	0.002912273	ENSG00000172086	2	88027204	88055783
ENST00000348335	58.0578066	-1.745825757	0.437103	-3.99409	6.49E-05	0.001027688	ENSG00000004660	17	3860314	3893053
ENST00000348831	240.512272	-1.431769821	0.226879	-6.31071	2.78E-10	1.77E-08	ENSG00000197381	21	45074579	45226560
ENST00000348993	350.187682	-1.095039354	0.196537	-5.57167	2.52E-08	1.12E-06	ENSG00000291159	15	84631450	84647478
ENST00000349485	415.604169	-1.198365197	0.184164	-6.50707	7.66E-11	5.43E-09	ENSG00000186866	21	45263934	45287895
ENST00000351298	121.704645	2.253459665	0.316536	7.119133	1.09E-12	1.07E-10	ENSG00000075651	3	171600403	171810483
ENST00000353704	1380.12594	-1.096111715	0.170859	-6.41529	1.41E-10	9.47E-09	ENSG00000107175	9	35732665	35736999
ENST00000354190	72.5404745	1.534808569	0.490801	3.127153	0.00176508	0.015424012	ENSG00000021300	11	73646580	73662819
ENST00000354532	526.859452	-1.322847009	0.171524	-7.7123	1.24E-14	1.58E-12	ENSG00000076928	19	41883183	41907452
ENST00000354919	283.46254	1.316188108	0.213821	6.155565	7.48E-10	4.43E-08	ENSG00000152455	10	14878865	14904315
ENST00000354957	221.704716	1.194998117	0.235277	5.079115	3.79E-07	1.26E-05	ENSG00000198093	19	51889234	51905017
ENST00000354960	48.7669239	1.263769901	0.45987	2.748103	0.005994109	0.039667894	ENSG00000138735	4	119494402	119628804
ENST00000355029	1213.55095	1.353997821	0.146094	9.267998	1.90E-20	4.67E-18	ENSG00000173848	10	5412556	5459056
ENST00000355522	131.982657	-2.132326383	0.359856	-5.9255	3.11E-09	1.63E-07	ENSG00000198535	15	62066976	62070917
ENST00000355716	112.339337	1.508841274	0.321721	4.689909	2.73E-06	7.03E-05	ENSG00000157873	1	2556370	2563829
ENST00000355897	58.3174554	2.129441644	0.459793	4.631303	3.63E-06	8.96E-05	ENSG00000173890	3	170037994	170085392
ENST00000355994	67.2476666	-1.323714291	0.417079	-3.17377	0.001504711	0.013643418	ENSG00000197971	18	76978832	77132783
ENST00000356031	23.9580485	3.100212348	0.743142	4.171764	3.02E-05	0.000542024	ENSG00000152582	5	35617862	35814611
ENST00000356082	726.861305	-1.882074099	0.159332	-11.8123	3.37E-32	2.65E-29	ENSG00000196878	1	209614869	209652425
ENST00000356083	111.35545	1.937233659	0.324516	5.969607	2.38E-09	1.28E-07	ENSG00000196739	9	114155536	114312511
ENST00000356189	517.618638	1.311679512	0.223675	5.864208	4.51E-09	2.29E-07	ENSG00000176244	10	15075474	15088776
ENST00000356524	207.414867	-1.475700773	0.241445	-6.11195	9.84E-10	5.71E-08	ENSG00000173432	11	18266263	18269967
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ENST00000356708	2141.64559	1.499157258	0.125499	11.94557	6.85E-33	5.72E-30	ENSG00000165629	10	7788176	7807801
ENST00000356736	406.492344	-1.342276913	0.187316	-7.16585	7.73E-13	7.78E-11	ENSG00000138821	4	102261665	102345482
ENST00000356839	851.26068	1.807279711	0.161156	11.2145	3.46E-29	2.27E-26	ENSG00000072778	17	7219937	7225266
ENST00000356955	2372.31473	-1.017093902	0.123273	-8.25074	1.57E-16	2.43E-14	ENSG00000143537	1	155051315	155062775
ENST00000357077	142.067983	1.792175942	0.312155	5.741303	9.40E-09	4.48E-07	ENSG00000145362	4	113049652	113383736
ENST00000357447	142.956376	1.262413974	0.289719	4.357378	1.32E-05	0.000267707	ENSG00000151474	10	13643705	14330924
ENST00000357484	197.988371	1.247128065	0.244489	5.100964	3.38E-07	1.13E-05	ENSG00000242498	15	89895005	89912952
ENST00000357578	208.297495	1.151349096	0.240117	4.794947	1.63E-06	4.51E-05	ENSG00000112294	6	24494968	24537207
ENST00000357604	1339.81935	1.062076015	0.13962	7.606889	2.81E-14	3.36E-12	ENSG00000151461	10	11920021	12042809
ENST00000357681	289.71411	1.244251091	0.229607	5.419038	5.99E-08	2.47E-06	ENSG00000058668	1	203626831	203744081
ENST00000357700	92.5878385	1.614267024	0.34631	4.661342	3.14E-06	7.90E-05	ENSG00000196372	10	5638866	5666595
ENST00000357727	26.6249731	1.851432622	0.627111	2.95232	0.003153957	0.024156737	ENSG00000146592	7	28412517	28825894
ENST00000357877	100.064634	1.128187157	0.326787	3.452365	0.000555696	0.006078227	ENSG00000135622	2	74654246	74683841
ENST00000358056	504.320092	1.174099247	0.174221	6.739155	1.59E-11	1.29E-09	ENSG00000197045	14	54474484	54488980

RSU1	protein_coding	Yes	NM_012425.4	108
PPL	protein_coding	Yes	NM_002705.5	108
IKZF3	protein_coding	Yes	NM_012481.5	108
KRCC1	protein_coding	Yes	NM_016618.3	108
CAMKK1	protein_coding	Yes	NM_032294.3	108
ADARB1	protein_coding	Yes	NM_001112.4	108
-	lncRNA	Yes	-	108
POFUT2	protein_coding	Yes	NM_133635.6	108
PLD1	protein_coding	Yes	NM_002662.5	108
CREB3	protein_coding	Yes	NM_006368.5	108
PLEKHB1	protein_coding	Yes	NM_021200.3	108
ARHGEF1	protein_coding	Yes	NM_004706.4	108
SUV39H2	protein_coding	Yes	NM_001193424.2	108
ZNF649	protein_coding	Yes	NM_023074.4	108
PDE5A	protein_coding	Yes	NM_001083.4	108
NET1	protein_coding	Yes	NM_001047160.3	108
C2CD4A	protein_coding	Yes	NM_207322.3	108
TNFRSF14	protein_coding	Yes	NM_003820.4	108
GPR160	protein_coding	Yes	NM_014373.3	108
MBP	protein_coding	Yes	NM_001025101.2	108
SPEF2	protein_coding	Yes	NM_024867.4	108
LAMB3	protein_coding	Yes	NM_000228.3	108
COL27A1	protein_coding	Yes	NM_032888.4	108
ACBD7	protein_coding	Yes	NM_001039844.3	108
SAA1	protein_coding	Yes	NM_199161.5	108
BDNF	protein_coding	Yes	NM_001709.5	108
ATP5F1C	protein_coding	Yes	NM_001001973.3	108
SLC39A8	protein_coding	Yes	NM_001135146.2	108
ACADVL	protein_coding	Yes	NM_000018.4	108
ADAM15	protein_coding	Yes	NM_207197.3	108
ANK2	protein_coding	Yes	NM_001148.6	108
FRMD4A	protein_coding	Yes	NM_018027.5	108
ARPIN	protein_coding	Yes	NM_182616.4	108
ALDH5A1	protein_coding	Yes	NM_001080.3	108
UPF2	protein_coding	Yes	NM_015542.4	108
ATP2B4	protein_coding	Yes	NM_001684.5	108
ASB13	protein_coding	Yes	NM_024701.4	108
CREB5	protein_coding	Yes	NM_182898.4	108
SEMA4F	protein_coding	Yes	NM_004263.5	108
GMFB	protein_coding	Yes	NM_004124.3	108

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ENST00000358173	375.113684	-1.457506707	0.19273	-7.56242	3.96E-14	4.65E-12	ENSG00000196411	7	100802564	100827523
ENST00000358196	54.1322742	1.236584389	0.442427	2.795004	0.005189909	0.035533185	ENSG00000128683	2	170816886	170861151
ENST00000358495	75.9339028	1.304401241	0.374012	3.48759	0.000487396	0.005464436	ENSG00000002016	12	911735	949694
ENST00000358771	53.6466262	-1.728977852	0.445736	-3.87893	0.000104917	0.001532151	ENSG00000198053	20	1895406	1940592
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ENST00000358901	16665.5666	-1.221741822	0.346792	-3.52298	0.000426724	0.004924502	ENSG00000165280	9	35056063	35072625
ENST00000359062	161.611149	-9.344092272	1.466463	-6.37186	1.87E-10	1.23E-08	ENSG00000172572	12	20368536	20688583
ENST00000359204	113.435485	1.350697813	0.314298	4.2975	1.73E-05	0.000336586	ENSG00000148690	10	93667882	93702592
ENST00000359315	52.3091255	-1.230116945	0.440032	-2.79552	0.005181627	0.035492404	ENSG00000141933	19	507496	519654
ENST00000359396	17.9475319	2.617132357	0.80827	3.237945	0.001203942	0.011466656	ENSG00000165125	7	142871207	142885745
ENST00000359467	896.242401	1.323993746	0.151558	8.735869	2.42E-18	4.69E-16	ENSG00000196693	10	42589108	42638570
ENST00000359470	508.665163	-2.356144893	0.499001	-4.72172	2.34E-06	6.13E-05	ENSG00000182795	1	207018521	207032756
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ENST00000359543	333.522219	1.702675756	0.223975	7.602069	2.91E-14	3.48E-12	ENSG00000213853	16	10528421	10580598
ENST00000359742	109.506115	-1.121291072	0.312732	-3.58547	0.000336475	0.004059052	ENSG00000155974	12	66347430	66679076
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ENST00000360004	57.3268809	1.784698267	0.45634	3.910895	9.20E-05	0.001373243	ENSG00000196126	6	32578774	32589848
ENST00000360273	7.10813946	-6.27933177	1.81974	-3.45067	0.000559187	0.006104486	ENSG00000157087	3	10324022	10505586
ENST00000360476	34.1215762	-2.109304945	0.573928	-3.67521	0.000237658	0.003043385	ENSG00000197696	15	84655131	84658199
ENST00000360490	214.114189	2.819504518	0.311134	9.062018	1.28E-19	2.82E-17	ENSG00000196549	3	155080318	155183704
ENST00000360564	43.4876062	-2.267673693	0.512854	-4.42168	9.79E-06	0.000208559	ENSG00000198598	12	131828392	131851771
ENST00000360570	203.228247	1.12435436	0.24224	4.641488	3.46E-06	8.59E-05	ENSG00000158234	3	138608770	138633376
ENST00000360631	21.5689709	-6.432427025	1.600546	-4.0189	5.85E-05	0.000941493	ENSG00000133083	13	35768651	36131382
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ENST00000360803	1169.2032	1.13246614	0.159532	7.098687	1.26E-12	1.23E-10	ENSG00000107937	10	988433	1019932
ENST00000361099	4952.44007	1.818119668	0.167163	10.87632	1.49E-27	7.76E-25	ENSG00000115415	2	190969148	191014171
ENST00000361143	62.708023	1.569058105	0.410837	3.819177	0.000133898	0.001872325	ENSG00000114779	3	51968514	51974049
ENST00000361157	4311.98429	1.171658668	0.359511	3.259038	0.001117909	0.010772854	ENSG00000126709	1	27666063	27672192
ENST00000361226	443.972812	-1.655897441	0.188834	-8.76906	1.80E-18	3.56E-16	ENSG00000198853	9	35490110	35561895
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ENST00000361807	37.1465345	1.4907748	0.529743	2.814147	0.004890688	0.033962896	ENSG00000198298	10	43606437	43617904
ENST00000361842	85.0053854	9.842971978	1.482519	6.639358	3.15E-11	2.41E-09	ENSG00000132530	17	6756045	6775647
ENST00000361866	125.746066	-2.951526199	0.331868	-8.89367	5.91E-19	1.24E-16	ENSG00000142156	21	45981769	46005048
ENST00000361910	68.4287789	-9.54844547	1.488327	-6.41556	1.40E-10	9.46E-09	ENSG00000198960	X	101615124	101618000
ENST00000362007	44.8412965	3.93657804	0.632804	6.220851	4.94E-10	3.03E-08	ENSG00000198715	1	156292687	156295679
ENST00000362077	178.078245	-1.117330495	0.281061	-3.97541	7.03E-05	0.001095243	ENSG00000272657	21	34073591	34360033
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EPHB4	protein_coding	Yes	NM_004444.5	108
GAD1	protein_coding	Yes	NM_000817.3	108
RAD52	protein_coding	Yes	NM_134424.4	108
SIRPA	protein_coding	Yes	NM_001040023.2	108
KLK10	protein_coding	Yes	NM_145888.3	108
VCP	protein_coding	Yes	NM_007126.5	108
PDE3A	protein_coding	Yes	NM_000921.5	108
FRA10AC1	protein_coding	Yes	NM_145246.5	108
TPGS1	protein_coding	Yes	NM_033513.3	108
TRPV6	protein_coding	Yes	NM_018646.6	108
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C1orf116	protein_coding	Yes	NM_023938.6	108
KCNK5	protein_coding	Yes	NM_003740.4	108
EMP2	protein_coding	Yes	NM_001424.6	108
GRIP1	protein_coding	Yes	NM_001366722.1	108
ZDHHC14	protein_coding	Yes	NM_024630.3	108
NRAP	protein_coding	Yes	NM_198060.4	108
HLA-DRB1	protein_coding	Yes	NM_002124.4	108
ATP2B2	protein_coding	Yes	NM_001001331.4	108
NMB	protein_coding	Yes	NM_021077.4	108
MME	protein_coding	Yes	NM_007289.4	108
MMP17	protein_coding	Yes	NM_016155.7	108
FAIM	protein_coding	Yes	NM_001033031.2	108
DCLK1	protein_coding	Yes	NM_001330071.2	108
TRPM6	protein_coding	Yes	NM_017662.5	108
SDCBP2	protein_coding	Yes	NM_080489.5	108
GTPBP4	protein_coding	Yes	NM_012341.3	108
STAT1	protein_coding	Yes	NM_007315.4	108
ABHD14B	protein_coding	Yes	NM_001146314.2	108
IFI6	protein_coding	Yes	NM_002038.4	108
RUSC2	protein_coding	Yes	NM_014806.5	108
HACD1	protein_coding	Yes	NM_014241.4	108
ZNF485	protein_coding	Yes	NM_145312.4	108
XAF1	protein_coding	Yes	NM_017523.5	108
COL6A1	protein_coding	Yes	NM_001848.3	108
ARMCX6	protein_coding	Yes	NM_019007.4	108
GLMP	protein_coding	Yes	NM_144580.3	108
-	lncRNA	Yes	-	108
FBH1	protein_coding	Yes	NM_178150.3	108

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ENST00000364488	66.1117247	-1.376743742	0.396931	-3.46847	0.000523429	0.005788547	ENSG00000201358	14	50068567	50068873
ENST00000366376	4.46615624	-5.612620884	2.01042	-2.79177	0.00524213	0.03572226	ENSG00000203565	10	33684754	33709868
ENST00000366592	74.3018628	1.909734089	0.39403	4.846672	1.26E-06	3.61E-05	ENSG00000077585	1	236142538	236208907
ENST00000367162	174.599504	1.177438099	0.257032	4.580907	4.63E-06	0.000109634	ENSG00000133059	1	205142504	205211702
ENST00000367463	81.1686549	-3.105406185	0.412532	-7.52767	5.17E-14	5.99E-12	ENSG00000111962	6	148747029	149076990
ENST00000367468	19.5203166	-3.141566515	0.821074	-3.82617	0.000130155	0.00183015	ENSG00000073756	1	186671790	186680423
ENST00000367660	174.351145	1.062372317	0.255834	4.152579	3.29E-05	0.00058226	ENSG00000146386	6	139028744	139043302
ENST00000367815	1875.0072	-1.162809628	0.147349	-7.89152	2.99E-15	4.08E-13	ENSG00000143153	1	169106689	169132719
ENST00000368440	65.7171434	-2.454071964	0.428616	-5.72557	1.03E-08	4.88E-07	ENSG00000172594	6	122789257	122809720
ENST00000368476	14.5395971	-3.160805901	0.97176	-3.25266	0.001143295	0.010983874	ENSG00000160716	1	154567777	154580013
ENST00000368564	193.349227	1.001307666	0.251252	3.985267	6.74E-05	0.001058486	ENSG00000196911	6	116681210	116741867
ENST00000368685	112.535621	1.169783274	0.309558	3.778886	0.000157531	0.002144079	ENSG00000143553	1	153658702	153661852
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ENST00000368713	100.882914	-7.070715893	0.908814	-7.78016	7.24E-15	9.45E-13	ENSG00000188015	1	153547328	153549258
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ENST00000368851	117.878971	1.371604606	0.305862	4.484394	7.31E-06	0.000162347	ENSG00000112394	6	111087502	111231194
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ENST00000369516	147.292513	-2.103549612	0.28767	-7.31238	2.62E-13	2.79E-11	ENSG00000134198	1	115048010	115089503
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ENST00000369684	230.973844	-1.161357834	0.241214	-4.81464	1.47E-06	4.15E-05	ENSG00000134245	1	112508964	112530165
ENST00000369909	171.036688	1.040619817	0.257603	4.039633	5.35E-05	0.000875153	ENSG00000134222	1	109279555	109283145
ENST00000369940	34.2519587	1.759742514	0.556403	3.162711	0.001563076	0.014058756	ENSG00000146243	6	78867550	78903102
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ENST00000370035	475.951396	1.553683299	0.184004	8.443768	3.07E-17	5.28E-15	ENSG00000162636	1	108560099	108639322
ENST00000370078	112.068533	1.443897805	0.313508	4.605616	4.11E-06	9.95E-05	ENSG00000198890	1	107056673	107059294
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ENST00000370206	2675.9804	-1.10505534	0.165195	-6.68939	2.24E-11	1.75E-09	ENSG00000117519	1	94896956	94927110
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ENST00000370982	477.277304	-1.184176229	0.177682	-6.66457	2.65E-11	2.05E-09	ENSG00000172380	1	67701474	67833467
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COL11A1	protein_coding	Yes	NM_001854.4	108
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MAGEA3	protein_coding	Yes	NM_005362.4	108
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ENST00000371205	30.3151342	1.536240077	0.579344	2.651689	0.008009018	0.049552173	ENSG00000138185	10	95756162	95877266
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ENST00000371655	1457.76906	-1.395228573	0.177418	-7.86408	3.72E-15	5.03E-13	ENSG00000169213	1	51907955	51990700
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ENST00000371804	3240.15208	2.552982071	0.412247	6.192842	5.91E-10	3.58E-08	ENSG00000185745	10	89392622	89406487
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ENST00000372517	107.649899	1.196913952	0.318561	3.757255	0.000171787	0.002306333	ENSG00000164010	1	42817121	42844991
ENST00000372625	377.457326	1.036276403	0.209511	4.946162	7.57E-07	2.33E-05	ENSG00000172465	X	103628974	103630953
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ENST00000372816	32.874344	2.013437138	0.573218	3.512517	0.000443883	0.005074855	ENSG00000116990	1	39895427	39901917
ENST00000372980	62.9691415	-1.610276859	0.421903	-3.8167	0.000135249	0.001886329	ENSG00000149596	20	44106589	44187188
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ENST00000373004	7.52056565	-4.882325189	1.764332	-2.76724	0.005653353	0.037897402	ENSG00000102359	X	100644198	100675788
ENST00000373233	321.024097	1.651550189	0.209924	7.867374	3.62E-15	4.91E-13	ENSG00000124177	20	41402082	41618377
ENST00000373247	435.584897	-1.079458316	0.204386	-5.28146	1.28E-07	4.83E-06	ENSG00000136877	9	127802881	127814081
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ENST00000373383	12.3402501	3.94644316	1.174087	3.361288	0.000775799	0.007985241	ENSG00000094841	X	75274084	75304885
ENST00000373394	220.636454	1.411527365	0.235747	5.987455	2.13E-09	1.16E-07	ENSG00000131269	X	75051047	75156283
ENST00000373509	323.598698	-1.321243336	0.212253	-6.22485	4.82E-10	2.96E-08	ENSG00000137193	6	37170151	37175428
ENST00000373510	133.940576	1.05468599	0.289248	3.646309	0.000266034	0.003344926	ENSG00000160062	1	32539426	32605941
ENST00000373658	12.9805987	-5.673982358	1.63405	-3.47234	0.000515935	0.00571865	ENSG00000121753	1	31727116	31764340
ENST00000373672	56.4302268	-1.915971144	0.456888	-4.19352	2.75E-05	0.000498907	ENSG00000084636	1	31652262	31704017
ENST00000373709	111.862526	-1.10457299	0.309386	-3.57021	0.000356699	0.00426085	ENSG00000168528	1	31413212	31434678
ENST00000373883	222.438506	-1.360735506	0.23409	-5.81288	6.14E-09	3.03E-07	ENSG00000188760	2	219544027	219550595
ENST00000374212	530.383707	-1.110906111	0.171431	-6.48021	9.16E-11	6.39E-09	ENSG00000136868	9	113221543	113264492

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CYP2J2	protein_coding	Yes	NM_000775.4	108
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ADGRF1	protein_coding	Yes	NM_153840.4	108
DHCR24	protein_coding	Yes	NM_014762.4	108
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RAB3B	protein_coding	Yes	NM_002867.4	108
ANKRD1	protein_coding	Yes	NM_014391.3	108
RPP30	protein_coding	Yes	NM_006413.5	108
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VAV2	protein_coding	Yes	NM_001134398.2	108
ANKRD22	protein_coding	Yes	NM_144590.3	108
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PLK3	protein_coding	Yes	NM_004073.4	108
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FIBCD1	protein_coding	Yes	NM_032843.5	108
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TCEAL1	protein_coding	Yes	NM_004780.3	108
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ENST00000374469	172.06738	1.078013403	0.259724	4.150608	3.32E-05	0.000586402	ENSG00000165124	9	110365247	110579741
ENST00000374530	445.563698	3.000755172	0.198825	15.09245	1.82E-51	5.84E-48	ENSG00000157654	9	109780197	110172512
ENST00000374672	574.683132	-1.457868445	0.171883	-8.48173	2.22E-17	3.88E-15	ENSG00000136826	9	107484851	107489769
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ENST00000377294	31.0989384	1.64616382	0.575025	2.862769	0.004199566	0.030159355	ENSG00000187626	6	28241696	28252269
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ENST00000377495	41.3614331	2.627010635	0.541082	4.855106	1.20E-06	3.48E-05	ENSG00000148483	10	17752200	17800868
ENST00000377507	57.7800873	-2.65952031	0.473058	-5.62197	1.89E-08	8.52E-07	ENSG00000049249	1	7915870	7940839
ENST00000377524	653.8629	1.436881213	0.162736	8.829512	1.05E-18	2.16E-16	ENSG00000136738	10	17644150	17716824
ENST00000377669	341.914986	2.083791739	0.252919	8.238976	1.74E-16	2.66E-14	ENSG00000118922	13	73686088	74133929
ENST00000377693	17.2618496	-3.711445982	0.953548	-3.89225	9.93E-05	0.001464119	ENSG00000204866	19	46148237	46161289
ENST00000377697	160.601948	-2.777789924	0.323814	-8.57836	9.62E-18	1.73E-15	ENSG00000204869	19	46039181	46041002
ENST00000377799	37.7564092	2.254151537	0.55	4.098456	4.16E-05	0.000708574	ENSG00000107614	10	17137335	17201672
ENST00000377833	14.9822305	3.80800893	1.038948	3.665256	0.000247091	0.003142041	ENSG00000107611	10	16823965	17129811
ENST00000377834	40.7416557	2.319311919	0.533139	4.350292	1.36E-05	0.000275548	ENSG00000069812	1	6415231	6419919
ENST00000377990	300.292605	1.193062931	0.214757	5.555415	2.77E-08	1.21E-06	ENSG00000011523	2	65056415	65087004
ENST00000378026	200.417573	-2.36617991	0.257481	-9.18974	3.94E-20	9.26E-18	ENSG00000136026	12	106237880	106248020
ENST00000378078	1502.69218	-1.041417088	0.135659	-7.6767	1.63E-14	2.03E-12	ENSG00000107185	9	35749286	35758585
ENST00000378083	47.8576045	-1.39716538	0.462426	-3.02138	0.002516241	0.020279548	ENSG00000069424	1	6045887	6101180
ENST00000378165	81.8611135	1.032339124	0.356689	2.894231	0.00380088	0.027884993	ENSG00000152465	10	15105769	15168693
ENST00000378197	216.653713	1.479641984	0.237776	6.222836	4.88E-10	3.00E-08	ENSG00000152464	10	15097354	15104257

ZNF32	protein_coding	Yes	NM_006973.3	108
ZNF239	protein_coding	Yes	NM_001099282.2	108
CSGALNACT2	protein_coding	Yes	NM_018590.5	108
SVEP1	protein_coding	Yes	NM_153366.4	108
PALM2AKAP2	protein_coding	Yes	NM_007203.5	108
KLF4	protein_coding	Yes	NM_004235.6	108
ABCA1	protein_coding	Yes	NM_005502.4	108
TP53INP2	protein_coding	Yes	NM_021202.3	108
HLA-DMA	protein_coding	Yes	NM_006120.4	108
CAMK2N1	protein_coding	Yes	NM_018584.6	108
FAM120C	protein_coding	Yes	NM_017848.6	108
SMIM5	protein_coding	Yes	NM_001162995.3	108
SP5	protein_coding	Yes	NM_001003845.3	108
ZBTB12	protein_coding	Yes	NM_181842.3	108
BAMBI	protein_coding	Yes	NM_012342.3	108
ATP11A	protein_coding	Yes	NM_015205.3	108
SYK	protein_coding	Yes	NM_003177.7	108
FBLIM1	protein_coding	Yes	NM_017556.4	108
KIAA1217	protein_coding	Yes	NM_019590.5	108
YIF1A	protein_coding	Yes	NM_020470.3	108
ARL5B	protein_coding	Yes	NM_178815.5	108
ZKSCAN4	protein_coding	Yes	NM_019110.5	108
NSUN6	protein_coding	Yes	NM_182543.5	108
SLC39A12	protein_coding	Yes	NM_001145195.2	108
FOXD4L5	protein_coding	Yes	NM_001126334.1	108
TMEM236	protein_coding	Yes	NM_001098844.3	108
TNFRSF9	protein_coding	Yes	NM_001561.6	108
STAM	protein_coding	Yes	NM_003473.4	108
KLF12	protein_coding	Yes	-	108
IGFL2	protein_coding	Yes	NM_001135113.2	108
IGFL4	protein_coding	Yes	NM_001002923.3	108
TRDMT1	protein_coding	Yes	NM_004412.7	108
CUBN	protein_coding	Yes	NM_001081.4	108
HES2	protein_coding	Yes	NM_019089.5	108
CEP68	protein_coding	Yes	NM_015147.3	108
CKAP4	protein_coding	Yes	NM_006825.4	108
RGP1	protein_coding	Yes	NM_001080496.3	108
KCNAB2	protein_coding	Yes	NM_001199862.2	108
NMT2	protein_coding	Yes	NM_004808.3	108
RPP38	protein_coding	Yes	NM_183005.5	108

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ENST00000378295	155.489519	1.064921424	0.269443	3.952311	7.74E-05	0.00118793	ENSG00000078900	1	3652515	3736201
ENST00000378372	285.279575	1.269023154	0.215134	5.898746	3.66E-09	1.89E-07	ENSG00000187522	10	14838305	14871741
ENST00000378473	298.477231	-1.048269737	0.209042	-5.01465	5.31E-07	1.70E-05	ENSG00000101333	20	9069086	9480808
ENST00000378555	56.5203645	-2.840584615	0.476078	-5.96664	2.42E-09	1.30E-07	ENSG00000128567	7	131500270	131556628
ENST00000378572	296.812914	1.055037066	0.208042	5.071266	3.95E-07	1.31E-05	ENSG00000165630	10	13586964	13630859
ENST00000378714	512.918854	1.142672156	0.183988	6.210585	5.28E-10	3.22E-08	ENSG00000065328	10	13161557	13211110
ENST00000378747	1144.3134	1.509568313	0.169018	8.931389	4.21E-19	8.90E-17	ENSG00000123240	10	13100162	13138308
ENST00000379400	858.665643	-1.381248971	0.154814	-8.92201	4.58E-19	9.64E-17	ENSG00000101265	20	4780022	4823608
ENST00000379416	64.5985077	1.114064822	0.404423	2.754699	0.005874622	0.039056727	ENSG00000158125	2	31334320	31414742
ENST00000379562	353.068808	1.392515085	0.197091	7.065352	1.60E-12	1.55E-10	ENSG00000151657	10	7750961	7787993
ENST00000379611	80.6659978	1.314351482	0.36385	3.612342	0.000303443	0.003724193	ENSG00000164221	5	115267189	115296654
ENST00000379613	182.999989	1.056897975	0.255807	4.131628	3.60E-05	0.000628248	ENSG00000137203	6	10396676	10415074
ENST00000379644	267.758311	1.436430071	0.223143	6.437251	1.22E-10	8.30E-09	ENSG00000165102	8	43140463	43202855
ENST00000379888	560.290675	1.787589805	0.172576	10.35828	3.84E-25	1.38E-22	ENSG00000134453	10	6089033	6117447
ENST00000379915	12.1942954	-5.58195075	1.650453	-3.38207	0.000719413	0.007517613	ENSG00000260729	15	72284726	72375981
ENST00000380079	77.5760388	-1.801685917	0.404349	-4.45577	8.36E-06	0.000182292	ENSG00000127954	7	88270891	88306894
ENST00000380094	79.8708571	1.652478436	0.372332	4.438184	9.07E-06	0.000195143	ENSG00000134461	10	5861615	5889893
ENST00000380191	5635.29715	1.540694458	0.113892	13.52762	1.07E-41	1.93E-38	ENSG00000057608	10	5765222	5813434
ENST00000380338	37.4765044	2.688735237	0.572666	4.695123	2.66E-06	6.87E-05	ENSG00000171843	9	20341668	20622499
ENST00000380625	46.1503788	-8.980091216	1.507718	-5.95608	2.58E-09	1.37E-07	ENSG00000187268	X	13035616	13044620
ENST00000380698	11.524141	2.729184296	1.018555	2.679466	0.007373976	0.046539565	ENSG00000170542	6	2887269	2903309
ENST00000380739	409.642142	1.366603392	0.194123	7.039889	1.92E-12	1.84E-10	ENSG00000021355	6	2832331	2841863
ENST00000381125	1303.80223	1.396247056	0.153803	9.078142	1.10E-19	2.46E-17	ENSG00000067057	10	3067547	3136802
ENST00000381151	5677.16102	-1.253356183	0.11617	-10.789	3.88E-27	1.81E-24	ENSG00000198743	21	34073577	34106260
ENST00000381344	916.630847	1.175268793	0.147321	7.977625	1.49E-15	2.09E-13	ENSG00000067064	10	1039418	1049119
ENST00000381356	101.999649	1.129542447	0.334305	3.378775	0.000728096	0.007588984	ENSG00000205707	12	25195236	25205143
ENST00000381604	1486.86984	1.831004619	0.133933	13.67107	1.51E-42	2.93E-39	ENSG00000015171	10	135454	254637
ENST00000381620	15.2136769	-5.908260986	1.606752	-3.67714	0.000235859	0.003023638	ENSG00000151834	4	46243547	46390128
ENST00000381657	273.497756	-1.04360198	0.220895	-4.72443	2.31E-06	6.06E-05	ENSG00000182378	X	281380	303356
ENST00000381962	5708.40306	-1.025726911	0.140177	-7.31739	2.53E-13	2.70E-11	ENSG00000271303	20	646614	653200
ENST00000382040	297.210083	6.870772598	0.534529	12.85387	8.18E-38	1.07E-34	ENSG00000134321	2	6877776	6898239
ENST00000382349	22.3986544	-1.898866276	0.687488	-2.76204	0.0057442	0.038360071	ENSG00000205922	19	1753505	1780988
ENST00000382723	629.543663	-4.450844974	0.723964	-6.14788	7.85E-10	4.64E-08	ENSG00000163132	4	4859664	4863936
ENST00000382771	434.218933	-1.462086506	0.200678	-7.28572	3.20E-13	3.37E-11	ENSG00000206075	18	63476957	63505085
ENST00000382848	126.221952	-2.767070107	0.327398	-8.45171	2.87E-17	4.95E-15	ENSG00000165474	13	20187469	20192938
ENST00000388913	2643.02376	-1.064880537	0.121429	-8.76955	1.79E-18	3.56E-16	ENSG00000180921	8	143723932	143733779
ENST00000389221	577.633152	-1.046838292	0.187167	-5.59308	2.23E-08	9.97E-07	ENSG00000059145	16	1363204	1414704
ENST00000389420	239.658365	1.132444347	0.238321	4.751755	2.02E-06	5.41E-05	ENSG00000173157	12	43353865	43552203
ENST00000389737	182.940556	-1.034277852	0.25044	-4.12984	3.63E-05	0.000632206	ENSG00000155275	4	8440776	8476555

DCLRE1C	protein_coding	Yes	NM_001033855.3	108
TP73	protein_coding	Yes	NM_005427.4	108
HSPA14	protein_coding	Yes	NM_016299.4	108
PLCB4	protein_coding	Yes	NM_001377142.1	108
PODXL	protein_coding	Yes	NM_001018111.3	108
PRPF18	protein_coding	Yes	NM_003675.4	108
MCM10	protein_coding	Yes	NM_018518.5	108
OPTN	protein_coding	Yes	NM_001008212.2	108
RASSF2	protein_coding	Yes	NM_014737.3	108
XDH	protein_coding	Yes	NM_000379.4	108
KIN	protein_coding	Yes	NM_012311.4	108
CCDC112	protein_coding	Yes	NM_001040440.3	108
TFAP2A	protein_coding	Yes	NM_001372066.1	108
HGSNAT	protein_coding	Yes	NM_152419.3	108
RBM17	protein_coding	Yes	NM_032905.5	108
-	protein_coding	Yes	-	108
STEAP4	protein_coding	Yes	NM_024636.4	108
ANKRD16	protein_coding	Yes	NM_019046.3	108
GDI2	protein_coding	Yes	NM_001494.4	108
MLT3	protein_coding	Yes	NM_004529.4	108
FAM9C	protein_coding	Yes	NM_174901.6	108
SERPINB9	protein_coding	Yes	NM_004155.6	108
SERPINB1	protein_coding	Yes	NM_030666.4	108
PFKP	protein_coding	Yes	NM_002627.5	108
SLC5A3	protein_coding	Yes	NM_006933.7	108
IDI1	protein_coding	Yes	NM_004508.4	108
ETFRF1	protein_coding	Yes	NM_001001660.3	108
ZMYND11	protein_coding	Yes	NM_001370100.5	108
GABRA2	protein_coding	Yes	NM_000807.4	108
PLCXD1	protein_coding	Yes	NM_018390.4	108
SRXN1	protein_coding	Yes	NM_080725.3	108
RSAD2	protein_coding	Yes	NM_080657.5	108
ONECUT3	protein_coding	Yes	NM_001080488.2	108
MSX1	protein_coding	Yes	NM_002448.3	108
SERPINB5	protein_coding	Yes	NM_002639.5	108
GJB2	protein_coding	Yes	NM_004004.6	108
FAM83H	protein_coding	Yes	NM_198488.5	108
UNKL	protein_coding	Yes	NM_001372107.1	108
ADAMTS20	protein_coding	Yes	NM_025003.5	108
TRMT44	protein_coding	Yes	NM_152544.3	108

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ENST00000390168	761.226363	-1.076915384	0.15396	-6.99476	2.66E-12	2.50E-10	ENSG00000284010	11	1996758	1996831
ENST00000390183	19.502513	-2.337563008	0.755741	-3.09307	0.001980957	0.016845826	ENSG00000284191	7	151238420	151238538
ENST00000390687	8.67168365	-5.075439762	1.739234	-2.9182	0.003520536	0.026291162	ENSG00000128739	15	24954986	24978723
ENST00000391141	95.7506837	1.319246856	0.39172	3.367832	0.000757617	0.007830089	ENSG00000212443	12	98599634	98599883
ENST00000392370	71.5885815	1.368072564	0.41872	3.267273	0.00108589	0.010525374	ENSG00000064989	2	187341963	187448252
ENST00000392583	134.079657	5.437660534	0.522368	10.40963	2.24E-25	8.22E-23	ENSG00000111335	12	112978518	113011723
ENST00000392644	46.6992537	1.361243786	0.469071	2.902003	0.003707856	0.027374547	ENSG00000118690	6	108848421	108974476
ENST00000392790	315.870718	-1.332915373	0.212628	-6.26875	3.64E-10	2.28E-08	ENSG00000138161	10	122832157	122845857
ENST00000392863	56.0137883	1.365602779	0.44625	3.060176	0.002212067	0.018365758	ENSG00000111850	6	87322587	87342329
ENST00000393306	226.493108	-1.518334195	0.268654	-5.65164	1.59E-08	7.29E-07	ENSG00000140961	16	83953239	83966332
ENST00000393316	23.8833089	-2.819725225	0.726793	-3.87968	0.000104593	0.001529186	ENSG00000188761	1	113876815	113887581
ENST00000393565	86.5625511	-1.409267494	0.36583	-3.85225	0.000117037	0.001677726	ENSG00000113758	5	177456609	177473634
ENST00000393658	17.5084662	2.574682111	0.817571	3.149186	0.001637259	0.014567322	ENSG00000150625	4	175632936	175812264
ENST00000393743	2110.5848	2.604992588	0.512353	5.084368	3.69E-07	1.23E-05	ENSG00000137628	4	168216293	168318752
ENST00000394009	35.7700378	1.507995698	0.538267	2.801575	0.005085382	0.034994939	ENSG00000119636	14	74019348	74066092
ENST00000394019	42.0398021	1.753551108	0.525488	3.336998	0.000846886	0.008585946	ENSG00000188687	2	74216241	74343416
ENST00000394610	224.575651	1.183652969	0.255373	4.635001	3.57E-06	8.82E-05	ENSG00000125354	X	119616944	119693168
ENST00000394621	51.7975125	-1.929030817	0.47991	-4.01957	5.83E-05	0.000939401	ENSG00000157214	7	90211739	90237683
ENST00000394685	88.1205257	4.038838488	0.503379	8.023458	1.03E-15	1.47E-13	ENSG00000103888	15	80779369	80951771
ENST00000394815	288.999468	-1.155670864	0.20963	-5.51291	3.53E-08	1.52E-06	ENSG00000167767	12	52168995	52192014
ENST00000394852	631.240222	-1.272213407	0.164331	-7.74177	9.80E-15	1.26E-12	ENSG00000140403	15	78264561	78282191
ENST00000395080	21.809168	-2.183914946	0.728585	-2.99747	0.002722284	0.021555065	ENSG00000118785	4	87975713	87983411
ENST00000395105	74.6537466	-2.659561246	0.410545	-6.47812	9.29E-11	6.46E-09	ENSG00000137868	15	74179465	74202787
ENST00000395145	71.2627194	-1.575023128	0.388317	-4.05603	4.99E-05	0.000825347	ENSG00000165215	7	73768996	73770270
ENST00000395323	465.28764	-1.176893381	0.177889	-6.61588	3.69E-11	2.78E-09	ENSG00000213626	2	30231533	30260028
ENST00000395348	19.4484357	-2.937359455	0.809592	-3.6282	0.000285409	0.003541685	ENSG00000165449	10	59650763	59709850
ENST00000395407	183.965981	-2.507007652	0.270299	-9.27495	1.78E-20	4.40E-18	ENSG00000137819	15	69298911	69407780
ENST00000395473	20.2594997	2.656209694	0.768796	3.455024	0.000550244	0.006029504	ENSG00000168961	17	27631187	27649560
ENST00000395743	42.4768135	2.977472046	0.556981	5.345733	9.01E-08	3.55E-06	ENSG00000174808	4	74744758	74794523
ENST00000395762	366.328211	-1.008410005	0.191618	-5.26259	1.42E-07	5.29E-06	ENSG00000077238	16	27313973	27364778
ENST00000395810	59.5473747	1.862576126	0.434053	4.291122	1.78E-05	0.000344717	ENSG00000198915	10	43194534	43267065
ENST00000395925	24.0588041	-4.975040574	1.021129	-4.8721	1.10E-06	3.23E-05	ENSG00000106571	7	41960948	42237209
ENST00000396005	29.5759514	4.481926823	0.84751	5.288345	1.23E-07	4.67E-06	ENSG00000148942	11	26667019	26722060
ENST00000396402	29.7212806	-1.715277037	0.591224	-2.90123	0.003717031	0.027426939	ENSG00000137869	15	51208056	51338596
ENST00000396410	3665.59937	-1.027542843	0.11705	-8.77865	1.65E-18	3.32E-16	ENSG00000179889	16	14975025	15038332
ENST00000396618	40.3037872	-7.338868053	1.514418	-4.846	1.26E-06	3.62E-05	ENSG00000100473	14	30874558	30890618
ENST00000396864	1090.31459	2.214803829	0.196909	11.24785	2.37E-29	1.62E-26	ENSG00000213928	14	24161264	24166565
ENST00000396895	5.71374586	-5.967827756	1.900251	-3.14055	0.001686324	0.014891661	ENSG00000213931	11	5268344	5269945
ENST00000396946	182.72964	-2.977699115	0.281547	-10.5762	3.84E-26	1.50E-23	ENSG00000198286	7	2906141	3043867

LRCH1	protein_coding	Yes	NM_001164211.2	108
MIR675	miRNA	Yes	-	108
MIR671	miRNA	Yes	-	108
SNRPN	protein_coding	Yes	NM_003097.6	108
SNORA53	snoRNA	Yes	-	108
CALCRL	protein_coding	Yes	NM_005795.6	108
OAS2	protein_coding	Yes	NM_002535.3	108
ARMC2	protein_coding	Yes	NM_032131.6	108
CUZD1	protein_coding	Yes	NM_022034.6	108
SMIM8	protein_coding	Yes	NM_001042493.3	108
OSGIN1	protein_coding	Yes	NM_182981.3	108
BCL2L15	protein_coding	Yes	NM_001010922.3	108
DBN1	protein_coding	Yes	NM_001363541.2	108
GPM6A	protein_coding	Yes	NM_201591.3	108
DDX60	protein_coding	Yes	NM_017631.6	108
BBOF1	protein_coding	Yes	NM_025057.3	108
SLC4A5	protein_coding	Yes	NM_133478.3	108
SEPTIN6	protein_coding	Yes	NM_145799.4	108
STEAP2	protein_coding	Yes	NM_001244944.2	108
CEMIP	protein_coding	Yes	NM_001293298.2	108
KRT80	protein_coding	Yes	NM_182507.3	108
DNAJA4	protein_coding	Yes	NM_001130182.2	108
SPP1	protein_coding	Yes	NM_001040058.2	108
STRA6	protein_coding	Yes	NM_022369.4	108
CLDN3	protein_coding	Yes	NM_001306.4	108
LBH	protein_coding	Yes	NM_030915.4	108
SLC16A9	protein_coding	Yes	NM_194298.3	108
PAQR5	protein_coding	Yes	NM_017705.4	108
LGALS9	protein_coding	Yes	NM_009587.3	108
BTC	protein_coding	Yes	NM_001729.4	108
IL4R	protein_coding	Yes	NM_000418.4	108
RASGEF1A	protein_coding	Yes	NM_145313.4	108
GLI3	protein_coding	Yes	NM_000168.6	108
SLC5A12	protein_coding	Yes	NM_178498.4	108
CYP19A1	protein_coding	Yes	NM_000103.4	108
PDXDC1	protein_coding	Yes	NM_015027.4	108
COCH	protein_coding	Yes	NM_004086.3	108
IRF9	protein_coding	Yes	NM_006084.5	108
HBE1	protein_coding	Yes	NM_005330.4	108
CARD11	protein_coding	Yes	NM_032415.7	108

ENST00000397061	67.1658814	1.493971262	0.398602	3.748031	0.000178229	0.002380755	ENSG00000213965	19	32691820	32713792
ENST00000397146	38.7692941	8.710166493	1.521595	5.724366	1.04E-08	4.91E-07	ENSG00000123243	10	7559269	7666966
ENST00000397238	562.450183	-1.023453547	0.178591	-5.73071	1.00E-08	4.74E-07	ENSG00000133612	7	151086474	151144434
ENST00000397397	315.597313	-1.279721333	0.203959	-6.27442	3.51E-10	2.20E-08	ENSG00000214063	11	842851	867111
ENST00000397536	342.098487	-1.269947657	0.211922	-5.99253	2.07E-09	1.13E-07	ENSG00000188549	15	40331451	40340939
ENST00000397545	37.208648	1.431277254	0.523863	2.732161	0.006292037	0.041218977	ENSG00000141519	17	80036641	80100613
ENST00000397560	1264.79584	-2.64311031	0.148682	-17.7769	1.07E-70	3.23E-66	ENSG00000006459	7	140084745	140176983
ENST00000397820	73.0802001	-1.524101616	0.381211	-3.99805	6.39E-05	0.001012697	ENSG00000214212	19	10848414	10869790
ENST00000397909	26.6883297	-4.093408065	0.846862	-4.83362	1.34E-06	3.82E-05	ENSG00000067798	12	77830893	78213010
ENST00000397910	172.199188	-3.875185401	0.370252	-10.4663	1.23E-25	4.62E-23	ENSG00000181143	19	8848843	8981342
ENST00000397944	30.791468	-8.394166511	1.550158	-5.41504	6.13E-08	2.52E-06	ENSG00000118492	6	146598971	146815462
ENST00000397985	46.8433321	-1.402367797	0.473053	-2.9645	0.003031725	0.023415147	ENSG00000166401	18	63970080	63989374
ENST00000398449	21.8085915	-2.060692363	0.699697	-2.94512	0.003228284	0.024605066	ENSG00000160179	21	42219139	42297244
ENST00000398594	168.902894	1.106150028	0.263043	4.205204	2.61E-05	0.000477322	ENSG00000254122	5	141417676	141512975
ENST00000398755	62.7509946	1.161516548	0.407113	2.853058	0.004330078	0.030912092	ENSG00000041880	3	51942362	51948867
ENST00000398882	752.082692	-1.940835409	0.176439	-11.0001	3.82E-28	2.21E-25	ENSG00000204839	8	143566191	143572772
ENST00000399002	33.5732361	1.84574094	0.5683	3.247831	0.001162885	0.011135267	ENSG00000172296	20	13008971	13169103
ENST00000399808	488.540592	1.452345644	0.194832	7.454336	9.03E-14	1.01E-11	ENSG00000142089	11	319675	320860
ENST00000399815	112.368338	4.65857359	0.467665	9.961344	2.25E-23	7.00E-21	ENSG00000288681	11	308407	315272
ENST00000399878	1272.41071	-1.625019702	0.152419	-10.6615	1.54E-26	6.65E-24	ENSG00000091490	4	25747432	25862988
ENST00000400056	11.3576597	-5.493843175	1.678153	-3.27374	0.001061325	0.010327945	ENSG00000214417	9	97698921	97700734
ENST00000400897	11.0712431	3.306014172	1.128439	2.929723	0.003392647	0.025547012	ENSG00000009724	1	11026522	11047239
ENST00000401408	78.3952621	1.50090093	0.391566	3.833074	0.000126552	0.001789309	ENSG00000162994	2	55172546	55232293
ENST00000402676	368.357632	-9.534958368	1.068181	-8.92635	4.40E-19	9.31E-17	ENSG00000131016	6	151239966	151358559
ENST00000402918	43.9025316	-2.472541178	0.516003	-4.79172	1.65E-06	4.57E-05	ENSG00000166897	22	37367959	37427479
ENST00000403687	356.24144	-1.292942791	0.197523	-6.54578	5.92E-11	4.27E-09	ENSG00000152689	2	33476648	33564731
ENST00000403729	4.04681398	-5.467228023	2.052778	-2.66333	0.007737118	0.048289009	ENSG00000163297	4	79901145	80073229
ENST00000404327	91.5818269	1.422341684	0.344261	4.131574	3.60E-05	0.000628252	ENSG00000218416	2	240449417	240456714
ENST00000404568	33.2043567	2.036399504	0.573473	3.550993	0.00038378	0.004513351	ENSG00000144045	2	74518130	74526231
ENST00000404816	309.922376	1.088016305	0.20388	5.336543	9.47E-08	3.71E-06	ENSG00000049323	2	32946952	33399509
ENST00000405655	80.4198296	-1.653731781	0.36808	-4.49286	7.03E-06	0.00015697	ENSG00000185686	22	22547700	22559265
ENST00000406819	9.42858265	6.671611181	1.727764	3.861414	0.000112732	0.001626087	ENSG00000219249	6	158725746	158726803
ENST00000406875	63.6518819	1.91488222	0.418465	4.575965	4.74E-06	0.000111764	ENSG00000064393	7	139561569	139777998
ENST00000407010	194.168682	1.437217558	0.257456	5.582375	2.37E-08	1.05E-06	ENSG00000214960	7	16087524	16421538
ENST00000407071	61.4758776	-1.739798976	0.418778	-4.15447	3.26E-05	0.000578347	ENSG00000162849	1	245154984	245709432
ENST00000407693	148.358845	1.14793788	0.275404	4.168203	3.07E-05	0.000549619	ENSG00000106853	9	111562566	111599647
ENST00000407997	1397.22423	-7.827223154	0.665816	-11.7558	6.59E-32	5.06E-29	ENSG00000239713	22	39077274	39087743
ENST00000408903	40.2595313	1.48991069	0.507991	2.932945	0.003357639	0.025355683	ENSG00000171444	5	113022105	113488453
ENST00000408925	8.99643297	5.125745383	1.721147	2.978098	0.002900428	0.022644108	ENSG00000221821	6	42890264	42890821
ENST00000408954	59.9450323	-2.994640736	0.473177	-6.3288	2.47E-10	1.59E-08	ENSG00000196730	9	87497866	87708634

NUDT19	protein_coding	Yes	NM_001105570.2	108
ITIH5	protein_coding	Yes	NM_030569.7	108
AGAP3	protein_coding	Yes	NM_031946.7	108
TSPAN4	protein_coding	Yes	NM_003271.5	108
CCDC9B	protein_coding	Yes	NM_207380.3	108
CCDC40	protein_coding	Yes	NM_017950.4	108
KDM7A	protein_coding	Yes	NM_030647.2	108
C19orf38	protein_coding	Yes	NM_001136482.3	108
NAV3	protein_coding	Yes	NM_001024383.2	108
MUC16	protein_coding	Yes	-	108
ADGB	protein_coding	Yes	NM_024694.4	108
SERPINB8	protein_coding	Yes	NM_002640.4	108
ABCG1	protein_coding	Yes	NM_016818.3	108
PCDHGB7	protein_coding	Yes	NM_018927.4	108
PARP3	protein_coding	Yes	NM_001003931.4	108
MROH6	protein_coding	Yes	NM_001100878.2	108
SPTLC3	protein_coding	Yes	NM_018327.4	108
IFITM3	protein_coding	Yes	NM_021034.3	108
-	protein_coding	Yes	-	108
SEL1L3	protein_coding	Yes	NM_015187.5	108
KRT18P13	essed_pseudog	Yes	-	108
MASP2	protein_coding	Yes	NM_006610.4	108
CLHC1	protein_coding	Yes	NM_152385.4	108
AKAP12	protein_coding	Yes	NM_005100.4	108
ELFN2	protein_coding	Yes	NM_052906.5	108
RASGRP3	protein_coding	Yes	NM_001139488.2	108
ANTXR2	protein_coding	Yes	NM_058172.6	108
GPC1-AS1	lncRNA	Yes	-	108
DQX1	protein_coding	Yes	NM_133637.3	108
LTBP1	protein_coding	Yes	NM_206943.4	108
PRAME	protein_coding	Yes	NM_206956.3	108
AMZ2P2	essed_pseudog	Yes	-	108
HIPK2	protein_coding	Yes	NM_022740.5	108
CRPPA	protein_coding	Yes	NM_001101426.4	108
KIF26B	protein_coding	Yes	NM_018012.4	108
PTGR1	protein_coding	Yes	NM_001146108.2	108
APOBEC3G	protein_coding	Yes	NM_021822.4	108
MCC	protein_coding	Yes	NM_001085377.2	108
C6orf226	protein_coding	Yes	NM_001008739.2	108
DAPK1	protein_coding	Yes	NM_004938.4	108

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ENST00000408968	230.687669	5.098043233	0.370157	13.77267	3.72E-43	8.34E-40	ENSG00000185885	11	314039	315272
ENST00000409110	56.9805314	9.267880262	1.497305	6.189707	6.03E-10	3.64E-08	ENSG00000130561	2	233307815	233347055
ENST00000409379	1436.51223	-1.152270635	0.138679	-8.3089	9.66E-17	1.57E-14	ENSG00000160949	8	144428774	144444440
ENST00000409548	4965.57272	-2.132741082	0.131085	-16.27	1.61E-59	1.22E-55	ENSG00000142102	11	289125	296107
ENST00000409678	289.733978	-1.311923821	0.27268	-4.81123	1.50E-06	4.20E-05	ENSG00000185269	17	81952506	81961187
ENST00000413027	207.915859	1.241544126	0.241753	5.1356	2.81E-07	9.62E-06	ENSG00000227939	6	31280316	31281519
ENST00000414634	6.50004923	-6.152817268	1.844335	-3.33606	0.000849738	0.008606205	ENSG00000236508	3	193307243	193314362
ENST00000414799	4.57101623	-5.642314047	1.996969	-2.82544	0.004721582	0.033094212	ENSG00000227113	7	65075022	65078780
ENST00000415229	112.456507	1.14291434	0.313344	3.647477	0.000264828	0.003333306	ENSG00000162174	11	62337447	62393412
ENST00000415816	401.682572	1.607536357	0.254642	6.312931	2.74E-10	1.75E-08	ENSG00000068079	17	43006783	43014456
ENST00000417362	230.846534	-1.029202537	0.230649	-4.4622	8.11E-06	0.000177428	ENSG00000103544	16	19555702	19701163
ENST00000417410	93.3243923	1.014144389	0.335669	3.021266	0.002517197	0.020286168	ENSG00000176209	8	42541584	42555195
ENST00000417761	32.94248	1.690420522	0.562124	3.007201	0.002636657	0.021039339	ENSG00000262560	15	43772616	43799133
ENST00000417985	8.03022039	4.956713692	1.75521	2.824	0.004742843	0.033170931	ENSG00000229145	X	46288015	46289128
ENST00000418927	40.8975559	-1.960287728	0.541902	-3.61742	0.000297554	0.003666196	ENSG00000235269	14	53685138	53850882
ENST00000419025	25.1286231	-2.123549674	0.666184	-3.18763	0.001434429	0.013139385	ENSG00000223529	3	184026368	184027756
ENST00000420433	4.61296022	-5.654139163	2.012719	-2.8092	0.004966405	0.034374985	ENSG00000171476	4	56647997	56681296
ENST00000420470	5.07424647	-5.793138941	1.948089	-2.97376	0.002941797	0.022877263	ENSG00000236699	4	105552619	105680914
ENST00000421553	57.9411239	1.642961315	0.427704	3.84135	0.00012236	0.001738653	ENSG00000197062	6	28267142	28278204
ENST00000421828	78.8776073	-1.504558768	0.371174	-4.05351	5.05E-05	0.000832711	ENSG00000187186	9	34664162	34666045
ENST00000421865	63.1585157	1.417221356	0.433609	3.268433	0.001081446	0.010489026	ENSG00000196569	6	128883137	129516566
ENST00000422704	188.757337	-1.155887885	0.250042	-4.62277	3.79E-06	9.29E-05	ENSG00000187764	9	89377234	89498113
ENST00000424120	59.6292953	6.289400451	0.918285	6.849072	7.43E-12	6.45E-10	ENSG00000048342	4	15469881	15601552
ENST00000424460	36.4378729	1.651328915	0.534563	3.089117	0.002007524	0.017025768	ENSG00000229970	7	8262263	8344516
ENST00000424542	294.992314	-1.7680726	0.215102	-8.21968	2.04E-16	3.11E-14	ENSG00000065054	16	2026901	2039026
ENST00000425534	24.2186371	-3.291688697	0.75762	-4.34478	1.39E-05	0.000281423	ENSG00000163412	3	71675413	71725402
ENST00000425629	298.355111	-1.500251829	0.260515	-5.75879	8.47E-09	4.08E-07	ENSG00000105492	19	51517818	51531670
ENST00000425699	1133.47239	-1.028270201	0.144012	-7.14015	9.32E-13	9.26E-11	ENSG00000188613	10	119029713	119033730
ENST00000425753	1044.91081	-1.208587045	0.160653	-7.52296	5.35E-14	6.19E-12	ENSG00000104522	8	143612617	143617549
ENST00000427199	275.860864	-1.176832847	0.215205	-5.46843	4.54E-08	1.92E-06	ENSG00000243414	5	115578495	115602479
ENST00000428149	197.522355	1.038708778	0.244135	4.254653	2.09E-05	0.000396527	ENSG00000137760	11	107502726	107565735
ENST00000428301	5.68050391	5.941347995	1.894273	3.13648	0.001709892	0.015051413	ENSG00000290541	21	13843132	13848364
ENST00000429299	10.2847621	-6.814244348	1.706145	-3.99394	6.50E-05	0.001028062	ENSG00000227507	6	31580557	31582424
ENST00000429317	18.7977323	-7.684434256	1.593152	-4.82342	1.41E-06	4.00E-05	ENSG00000231420	2	150234891	150257007
ENST00000429345	6.94036348	-6.24874061	1.832723	-3.40954	0.000650726	0.00691595	ENSG00000216863	6	6346464	6622744
ENST00000429538	43.8860664	-1.338441138	0.481398	-2.78032	0.005430476	0.036721643	ENSG00000125618	2	113215996	113278921
ENST00000429722	163.303409	1.012865711	0.291359	3.476345	0.000508297	0.005653061	ENSG00000189046	12	109088188	109093472
ENST00000431083	9.23782989	-5.169025177	1.709266	-3.02412	0.002493576	0.020149187	ENSG00000217825	7	155196562	155198455
ENST00000431232	1122.48756	-1.422092556	0.156113	-9.10936	8.29E-20	1.89E-17	ENSG00000129925	16	370787	381978

CEBPD	protein_coding	Yes	NM_005195.4	108
IFITM1	protein_coding	Yes	NM_003641.5	108
SAG	protein_coding	Yes	NM_000541.5	108
TONSL	protein_coding	Yes	NM_013432.5	108
PGGHG	protein_coding	Yes	NM_025092.5	108
NOTUM	protein_coding	Yes	NM_178493.6	108
RPL3P2	processed_pseudogene	Yes	-	108
ATP13A5-AS1	lncRNA	Yes	-	108
-	processed_pseudogene	Yes	-	108
ASRGL1	protein_coding	Yes	NM_001083926.2	108
IFI35	protein_coding	Yes	NM_001330230.2	108
VPS35L	protein_coding	Yes	NM_020314.7	108
SMIM19	protein_coding	Yes	NM_001135674.2	108
-	protein_coding	Yes	-	108
ACTBP1	processed_pseudogene	Yes	-	108
LINC02331	lncRNA	Yes	-	108
EEF1A1P8	processed_pseudogene	Yes	-	108
HOPX	protein_coding	Yes	NM_032495.6	108
ARHGEF38	protein_coding	Yes	NM_001242729.2	108
ZSCAN26	protein_coding	Yes	NM_001023560.4	108
-	protein_coding	Yes	NM_001320038.2	108
LAMA2	protein_coding	Yes	NM_000426.4	108
SEMA4D	protein_coding	Yes	NM_001371194.2	108
CC2D2A	protein_coding	Yes	NM_001378615.1	108
-	lncRNA	Yes	-	108
SLC9A3R2	protein_coding	Yes	NM_001130012.3	108
EIF4E3	protein_coding	Yes	NM_001134651.2	108
SIGLEC6	protein_coding	Yes	NM_001245.7	108
NANOS1	protein_coding	Yes	NM_199461.4	108
GFUS	protein_coding	Yes	NM_003313.4	108
TICAM2	protein_coding	Yes	NM_021649.7	108
ALKBH8	protein_coding	Yes	NM_138775.3	108
CYP4F29P	lncRNA	Yes	-	108
LTB	protein_coding	Yes	NM_002341.2	108
LINC01817	lncRNA	Yes	-	108
LY86-AS1	lncRNA	Yes	-	108
PAX8	protein_coding	Yes	NM_003466.4	108
ALKBH2	protein_coding	Yes	NM_001145374.2	108
-	lncRNA	Yes	-	108
PGAP6	protein_coding	Yes	NM_021259.3	108

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ENST00000431679	28.7900959	-1.863946305	0.603931	-3.08636	0.002026262	0.017150992	ENSG00000244219	7	99598266	99611045
ENST00000432230	7.67164981	6.374538635	1.787093	3.566987	0.00036111	0.004303333	ENSG00000235609	21	14818842	15014430
ENST00000432264	21.5890568	2.360212259	0.721175	3.27273	0.001065141	0.010358805	ENSG00000177873	3	40477121	40491053
ENST00000433050	4.97786475	5.74958366	1.949778	2.94884	0.003189689	0.024372674	ENSG00000198633	19	52429147	52442499
ENST00000433688	262.881104	1.084689866	0.218394	4.966674	6.81E-07	2.12E-05	ENSG00000188070	11	63759891	63768775
ENST00000434127	87.7837278	-1.601002697	0.357981	-4.47232	7.74E-06	0.000170666	ENSG00000187678	5	142310429	142325021
ENST00000434498	33.7432847	1.985961405	0.568302	3.494551	0.00047486	0.005352886	ENSG00000214429	2	78412792	78413094
ENST00000434651	9.31480181	-4.149771397	1.376855	-3.01395	0.0025787	0.020673787	ENSG00000179344	6	32659466	32666657
ENST00000435962	53.6237784	2.660908565	0.503033	5.289725	1.23E-07	4.64E-06	ENSG00000165929	14	91779745	91867536
ENST00000435967	14.0478775	2.578936512	0.913488	2.823176	0.004755051	0.033240929	ENSG00000272328	7	8303740	8341343
ENST00000436066	824.140914	-1.28781455	0.157549	-8.17404	2.98E-16	4.47E-14	ENSG00000166289	19	29665460	29675477
ENST00000436346	61.8857582	1.824959213	0.429855	4.245527	2.18E-05	0.000409908	ENSG00000115355	2	55287841	55419856
ENST00000437936	41.8145947	-3.271147245	0.616751	-5.30384	1.13E-07	4.36E-06	ENSG00000188293	19	46229741	46231243
ENST00000438747	209.382306	-1.022515605	0.256066	-3.99318	6.52E-05	0.001030735	ENSG00000130305	7	73302515	73308826
ENST00000438938	7.52748172	-6.363928544	1.793231	-3.54886	0.0003869	0.004538944	ENSG00000223657	7	136938279	136938553
ENST00000439140	16.5275278	2.328516542	0.826931	2.815853	0.004864787	0.033832732	ENSG00000155754	2	201487420	201619178
ENST00000439838	81.6031136	1.202013564	0.37239	3.227838	0.001247295	0.01178819	ENSG00000249590	22	30409261	30428987
ENST00000440480	88.9763089	-1.589256459	0.355857	-4.466	7.97E-06	0.000174964	ENSG00000129757	11	2883217	2885775
ENST00000440944	40.2022832	-2.394633155	0.538182	-4.44949	8.61E-06	0.000186747	ENSG00000160360	9	136327538	136359601
ENST00000441095	11.0500935	-6.917601392	1.689107	-4.09542	4.21E-05	0.000716394	ENSG00000233922	21	45593653	45603056
ENST00000441160	4.04681398	-5.467228023	2.052778	-2.66333	0.007737118	0.048289009	ENSG00000228437	1	221966409	221984964
ENST00000441377	103.565466	1.575498121	0.333105	4.729728	2.25E-06	5.93E-05	ENSG00000278419	10	3134565	3145166
ENST00000442396	38.7822788	1.423692641	0.512157	2.779797	0.005439297	0.036767438	ENSG00000022976	14	102319745	102342367
ENST00000442673	81.7714733	-1.28402241	0.358529	-3.58136	0.000341806	0.004111869	ENSG00000236423	1	3900402	3917225
ENST00000443035	1355.13053	-1.005958851	0.138222	-7.27785	3.39E-13	3.55E-11	ENSG00000174485	15	65659122	65792293
ENST00000443374	26.2416834	1.662810538	0.627673	2.649169	0.008069008	0.049847826	ENSG00000226200	10	50624942	50641451
ENST00000444180	21.9868047	-2.076116763	0.699538	-2.96784	0.002998989	0.023226758	ENSG00000272508	10	86993431	87024732
ENST00000445105	109.846701	1.115382686	0.31397	3.552514	0.000381568	0.004492934	ENSG00000114279	3	192139389	192727541
ENST00000445131	77.9970188	2.066600532	0.383822	5.384272	7.27E-08	2.94E-06	ENSG00000233994	1	72274551	72275159
ENST00000445355	1188.79432	-2.955044586	0.193524	-15.2697	1.22E-52	4.18E-49	ENSG00000151651	10	133262422	133276868
ENST00000446597	423.79256	1.916492518	0.210444	9.10688	8.48E-20	1.93E-17	ENSG00000111731	12	22448582	22544542
ENST00000447110	7.0173354	-4.779447445	1.78572	-2.67648	0.007439952	0.046828843	ENSG00000141506	17	8878915	8965707
ENST00000447944	1189.99054	1.039078195	0.138201	7.518608	5.54E-14	6.37E-12	ENSG00000138035	2	55634060	55693844
ENST00000448875	219.112085	1.005685108	0.234097	4.296022	1.74E-05	0.000338575	ENSG00000234648	14	98973313	98973471
ENST00000449264	14.5307612	-7.313057029	1.634223	-4.47495	7.64E-06	0.000168851	ENSG00000232810	6	31575564	31578336
ENST00000449428	354.285562	-1.018472615	0.209366	-4.86455	1.15E-06	3.34E-05	ENSG00000182534	17	76679565	76710965
ENST00000450053	614.237926	-1.128082303	0.178504	-6.31966	2.62E-10	1.68E-08	ENSG00000160796	3	46979665	47009701
ENST00000450791	5214.15591	-1.018103201	0.128829	-7.90274	2.73E-15	3.73E-13	ENSG00000090615	12	132768913	132828869
ENST00000451137	219.004817	-1.461140934	0.242999	-6.01294	1.82E-09	1.00E-07	ENSG00000142871	1	85580760	85583950

IGKV1OR9-2	5 V_pseudogen	Yes	-	108
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-	lncRNA	Yes	-	108
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ZNF534	protein_coding	Yes	NM_001143938.3	108
ZFTA	protein_coding	Yes	NM_001144936.2	108
SPRY4	protein_coding	Yes	NM_001127496.3	108
CYCSP6	processed_pseudogene	Yes	-	108
HLA-DQB1	protein_coding	Yes	NM_002123.5	108
TC2N	protein_coding	Yes	NM_001128596.3	108
-	lncRNA	Yes	-	108
PLEKHF1	protein_coding	Yes	NM_024310.5	108
CCDC88A	protein_coding	Yes	NM_001365480.1	108
IGFL1	protein_coding	Yes	NM_198541.2	108
NSUN5	protein_coding	Yes	NM_148956.4	108
KRT8P51	processed_pseudogene	Yes	-	108
C2CD6	protein_coding	Yes	NM_001168221.2	108
-	protein_coding	Yes	-	108
CDKN1C	protein_coding	Yes	NM_001122630.2	108
GPSM1	protein_coding	Yes	NM_001145638.3	108
LINC01694	lncRNA	Yes	-	108
LINC02474	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
ZNF839	protein_coding	Yes	NM_018335.6	108
LINC01134	lncRNA	Yes	-	108
DENND4A	protein_coding	Yes	NM_001320835.1	108
SGMS1-AS1	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
FGF12	protein_coding	Yes	NM_004113.6	108
GDI2P2	processed_pseudogene	Yes	-	108
ADAM8	protein_coding	Yes	NM_001109.5	108
C2CD5	protein_coding	Yes	NM_001286176.2	108
PIK3R5	protein_coding	Yes	NM_001142633.3	108
PNPT1	protein_coding	Yes	NM_033109.5	108
-	processed_pseudogene	Yes	-	108
TNF	protein_coding	Yes	NM_000594.4	108
MXRA7	protein_coding	Yes	NM_198530.4	108
NBEAL2	protein_coding	Yes	NM_015175.3	108
GOLGA3	protein_coding	Yes	NM_001389683.1	108
CCN1	protein_coding	Yes	NM_001554.5	108

ENST00000451775	27.3483604	1.678743433	0.614869	2.730245	0.00632872	0.041410825	ENSG00000224738	17	59106597	59118453
ENST00000452145	30.0979216	1.715087622	0.586421	2.924668	0.003448235	0.02585552	ENSG00000204172	10	47501853	47523638
ENST00000453424	195.132622	2.137651763	0.294193	7.26615	3.70E-13	3.85E-11	ENSG00000165406	10	45454584	45535371
ENST00000453433	301.673067	-1.642844825	0.222045	-7.39872	1.38E-13	1.50E-11	ENSG00000228283	6	146802794	146803709
ENST00000454799	7.73728661	4.90242822	1.762098	2.782153	0.005399951	0.036541222	ENSG00000226711	12	8180208	8216151
ENST00000454872	234.858403	1.477335925	0.254771	5.798675	6.68E-09	3.28E-07	ENSG00000177694	3	174859333	175810548
ENST00000456660	4.68493096	5.663623189	1.978177	2.863052	0.004195813	0.030141529	ENSG00000235454	7	53862232	53863339
ENST00000456806	107.915126	1.58163629	0.341379	4.633078	3.60E-06	8.89E-05	ENSG00000214652	7	64045433	64085339
ENST00000457996	29.9554936	-1.666398369	0.587746	-2.83523	0.004579217	0.032318189	ENSG00000233029	1	121090288	121097655
ENST00000458198	60.4656635	1.407577235	0.415014	3.391634	0.000694772	0.007305979	ENSG00000237190	5	134402064	134411881
ENST00000458200	51.460709	1.372778534	0.448887	3.05818	0.002226857	0.018452301	ENSG00000231752	1	121519344	121568791
ENST00000458549	1748.8245	-1.244428634	0.132736	-9.37525	6.90E-21	1.76E-18	ENSG00000180694	8	90621999	90646083
ENST00000461517	11.5202157	-2.785755204	1.045886	-2.66354	0.007732417	0.048273622	ENSG00000241175	15	50244627	50244931
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ENST00000463745	102.983441	1.169569826	0.32603	3.587303	0.000334116	0.004034782	ENSG00000113966	3	97764757	97801229
ENST00000463781	15.0826249	-3.206809055	0.965464	-3.32152	0.000895284	0.008986084	ENSG00000145113	3	195746770	195811929
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ENST00000466133	151.352838	1.023257775	0.271434	3.769823	0.000163363	0.002212681	ENSG00000184100	3	160100849	160102793
ENST00000466271	65.6464639	1.127175774	0.39581	2.847773	0.004402633	0.031332376	ENSG00000165626	10	13441087	13529014
ENST00000467482	4.26697111	-5.544915273	2.022592	-2.74149	0.006116115	0.040284792	ENSG00000101850	X	9725345	9765847
ENST00000471229	362.497294	-6.691354752	0.427884	-15.6382	4.00E-55	1.78E-51	ENSG00000102401	X	101623150	101627843
ENST00000472837	69.7490571	-1.452452977	0.390321	-3.72118	0.000198297	0.002603972	ENSG00000174428	7	75092589	75149817
ENST00000474759	24.6670258	2.145560213	0.681684	3.147441	0.001647062	0.014628714	ENSG00000157445	3	54122551	55074557
ENST00000476941	134.857706	2.138808854	0.316859	6.750034	1.48E-11	1.20E-09	ENSG00000144935	3	142724033	142807888
ENST00000477258	13.1900921	-2.510331816	0.934961	-2.68496	0.007253859	0.045979241	ENSG00000168386	3	99828810	100114501
ENST00000479066	8.0042962	-3.918752747	1.42437	-2.75122	0.005937416	0.039368559	ENSG00000243537	8	133325996	133326404
ENST00000484902	135.473157	1.092354254	0.289056	3.779036	0.000157437	0.002143178	ENSG00000227063	20	21755269	21755350
ENST00000486442	103.145678	-1.667165905	0.338567	-4.92418	8.47E-07	2.57E-05	ENSG00000119771	2	23385178	23708606
ENST00000488300	137.068915	-1.001243779	0.296463	-3.3773	0.000732019	0.007624455	ENSG00000180537	6	13924951	13980310
ENST00000488788	5692.10676	-1.02517899	0.139947	-7.3255	2.38E-13	2.55E-11	ENSG00000270299	20	646625	675800
ENST00000490466	225.348829	-1.238160325	0.235621	-5.25489	1.48E-07	5.48E-06	ENSG00000142694	1	36322029	36323645
ENST00000491614	1139.82713	1.344909268	0.140001	9.606395	7.51E-22	2.09E-19	ENSG00000165609	10	12165329	12195891
ENST00000494426	712.86684	-1.061658986	0.162428	-6.53617	6.31E-11	4.53E-09	ENSG00000169583	9	136994607	136996568
ENST00000495936	182.792544	-1.266119008	0.258617	-4.89574	9.79E-07	2.92E-05	ENSG00000160991	7	102433574	102456825
ENST00000497571	383.705169	1.518003952	0.193987	7.825283	5.07E-15	6.71E-13	ENSG00000067082	10	3775995	3785209
ENST00000498907	56.7104016	2.212406577	0.45197	4.895034	9.83E-07	2.92E-05	ENSG00000245848	19	33299933	33302534
ENST00000499418	71.9247529	-1.077620763	0.378534	-2.84683	0.004415687	0.031402496	ENSG00000245149	8	124462484	124474564
ENST00000499966	16.511421	2.30766052	0.822215	2.80664	0.005006116	0.03456594	ENSG00000246898	16	66408515	66412135
ENST00000501665	253.868165	-1.011960093	0.225244	-4.49273	7.03E-06	0.000157038	ENSG00000247556	15	41284031	41309737
ENST00000504924	152.515212	1.109587509	0.308373	3.598202	0.000320424	0.003894647	ENSG00000185305	5	53883941	54310573

-	lncRNA	Yes	-	108
AGAP9	protein_coding	Yes	NM_001190810.1	108
MARCHF8	protein_coding	Yes	NM_001282866.2	108
KATNBL1P6	processed_pseudogene	Yes	-	108
FAM66C	lncRNA	Yes	-	108
NAALADL2	protein_coding	Yes	NM_207015.3	108
HAUS6P3	processed_pseudogene	Yes	-	108
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-	lncRNA	Yes	-	108
CDKN2AIPNL	protein_coding	Yes	NM_080656.3	108
EMBP1	unprocessed_transcript	Yes	-	108
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RN7SL494P	misc_RNA	Yes	-	108
-	lncRNA	Yes	-	108
ARL6	protein_coding	Yes	NM_001278293.3	108
MUC4	protein_coding	Yes	NM_018406.7	108
CDNF	protein_coding	Yes	NM_001029954.3	108
BRD7P2	processed_pseudogene	Yes	-	108
BEND7	protein_coding	Yes	NM_001369863.1	108
GPR143	protein_coding	Yes	NM_000273.3	108
ARMCX3	protein_coding	Yes	NM_177947.3	108
GTF2IRD2B	protein_coding	Yes	NM_001003795.3	108
CACNA2D3	protein_coding	Yes	NM_018398.3	108
TRPC1	protein_coding	Yes	NM_001251845.2	108
FILIP1L	protein_coding	Yes	NM_001387850.1	108
RPL32P20	processed_pseudogene	Yes	-	108
RPL41P1	processed_pseudogene	Yes	-	108
KLHL29	protein_coding	Yes	NM_052920.2	108
RNF182	protein_coding	Yes	NM_152737.4	108
-	protein_coding	Yes	-	108
EVA1B	protein_coding	Yes	NM_001304762.2	108
NUDT5	protein_coding	Yes	NM_014142.4	108
CLIC3	protein_coding	Yes	NM_004669.3	108
ORAI2	protein_coding	Yes	NM_001126340.3	108
KLF6	protein_coding	Yes	NM_001300.6	108
CEBPA	protein_coding	Yes	NM_004364.5	108
RNF139-DT	lncRNA	Yes	-	108
LINC00920	lncRNA	Yes	-	108
OIP5-AS1	lncRNA	Yes	-	108
ARL15	protein_coding	Yes	NM_019087.3	108

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ENST00000507866	6.05973497	-6.049979257	1.870544	-3.23434	0.001219233	0.011578734	ENSG00000184985	4	7192537	7742827
ENST00000509176	35.5010206	1.601089565	0.541973	2.954188	0.003134931	0.024045654	ENSG00000184305	4	90127393	91605295
ENST00000509479	14.3991327	-3.112807106	0.954444	-3.26138	0.001108702	0.01070529	ENSG00000196782	4	139716752	140154184
ENST00000509706	52.5984424	1.524218608	0.445375	3.422328	0.000620874	0.006654843	ENSG00000206228	8	82291623	82292379
ENST00000510708	147.951241	1.368172923	0.287059	4.766171	1.88E-06	5.09E-05	ENSG00000169570	5	118836073	118988547
ENST00000511928	169.358887	-2.279230775	0.283444	-8.04121	8.90E-16	1.28E-13	ENSG00000250986	4	3758747	3763390
ENST00000512369	1046.88922	-1.168450792	0.14922	-7.83042	4.86E-15	6.45E-13	ENSG00000070190	4	99816826	99870190
ENST00000514985	67.0878428	1.901394095	0.443005	4.292034	1.77E-05	0.000343741	ENSG00000250722	5	42799879	42811892
ENST00000517992	2977.99154	-1.964357544	0.126288	-15.5546	1.48E-54	5.46E-51	ENSG00000172164	8	120535755	120812046
ENST00000518322	37.7270488	2.252978611	0.549005	4.103751	4.07E-05	0.000695364	ENSG00000188343	8	93700549	93731527
ENST00000519676	118.227019	-1.650332573	0.308727	-5.34561	9.01E-08	3.55E-06	ENSG00000174032	13	45393315	45418373
ENST00000519762	4.21650485	5.510674427	2.028128	2.717124	0.006585201	0.042677947	ENSG00000254338	8	143417678	143419150
ENST00000522557	45.3627805	1.458990346	0.484545	3.011051	0.002603454	0.020831352	ENSG00000124097	20	57487958	57495366
ENST00000522652	2006.66335	-1.613614855	0.126029	-12.8035	1.57E-37	1.94E-34	ENSG00000008513	8	133454847	133571887
ENST00000523390	126.949212	1.064229895	0.301826	3.525968	0.000421939	0.004877095	ENSG00000254221	5	141350098	141512975
ENST00000523860	61.591486	1.260297296	0.415506	3.033166	0.002420026	0.019697384	ENSG00000253706	8	74798783	74866925
ENST00000524555	26.2305284	-1.770843584	0.629373	-2.81366	0.004898025	0.033991569	ENSG00000255071	11	18231422	18248635
ENST00000525123	43.1705289	1.493413848	0.488975	3.054172	0.002256827	0.018645193	ENSG00000165923	11	47659590	47715369
ENST00000525643	62.5651505	-3.984156951	0.528579	-7.53749	4.79E-14	5.59E-12	ENSG00000008517	16	3065639	3069530
ENST00000527879	79.1402001	1.407688167	0.375029	3.753549	0.000174349	0.002335325	ENSG00000255150	12	104303738	104305205
ENST00000528667	2237.08724	-1.085763605	0.124041	-8.75329	2.07E-18	4.06E-16	ENSG00000116337	1	109619836	109632051
ENST00000529415	158.654059	-1.415695079	0.269746	-5.24824	1.54E-07	5.66E-06	ENSG00000254402	8	144522387	144527033
ENST00000530639	100.467741	-1.725109492	0.332966	-5.18103	2.21E-07	7.81E-06	ENSG00000135362	11	36296287	36465204
ENST00000531730	19.5088525	-2.315793109	0.774653	-2.98946	0.002794726	0.022001863	ENSG00000255050	8	143573489	143577397
ENST00000533544	438.74025	-1.010182165	0.186521	-5.41591	6.10E-08	2.51E-06	ENSG00000175376	11	65996544	66002157
ENST00000533924	277.296507	-2.091140059	0.260706	-8.02107	1.05E-15	1.50E-13	ENSG00000255026	11	287304	288298
ENST00000534000	393.519495	-1.270103663	0.197686	-6.42486	1.32E-10	8.95E-09	ENSG00000111907	6	125153772	125264407
ENST00000534313	179.337099	-1.055155645	0.25642	-4.11496	3.87E-05	0.000667871	ENSG00000213445	11	65638100	65650912
ENST00000535456	301.035687	-1.780611988	0.212732	-8.3702	5.75E-17	9.56E-15	ENSG00000149328	11	134331987	134376324
ENST00000535784	964.641322	1.740369643	0.153619	11.3291	9.42E-30	6.68E-27	ENSG00000165983	10	16437009	16513745
ENST00000538077	74.4208192	1.438308228	0.37792	3.805858	0.000141314	0.001956689	ENSG00000255874	13	110863986	110870330
ENST00000541103	68.3230278	-1.235235709	0.38894	-3.1759	0.001493705	0.013559897	ENSG00000176700	15	84631962	84642066
ENST00000544301	4.71429133	5.671608216	1.974105	2.873002	0.004065912	0.029389963	ENSG00000026025	10	17228240	17237593
ENST00000544898	90.6090524	1.510404958	0.348399	4.335277	1.46E-05	0.000292568	ENSG00000166548	16	66508002	66550122
ENST00000545001	75.1604511	-1.268404249	0.374141	-3.39017	0.000698482	0.007338864	ENSG00000256293	12	64338177	64338797
ENST00000549284	6.23701111	6.074526403	1.85872	3.268123	0.001082632	0.010496488	ENSG00000257356	14	18418774	18419273
ENST00000549336	76.7018675	-1.023177938	0.366489	-2.79184	0.005240975	0.03572226	ENSG00000111424	12	47841536	47904994
ENST00000551568	9.54187501	-5.216405557	1.697358	-3.07325	0.002117416	0.017739741	ENSG00000135678	12	68851174	68933171
ENST00000551956	21.1578881	-3.282324679	0.811887	-4.04283	5.28E-05	0.000864974	ENSG00000170477	12	52806548	52814116

PALLD	protein_coding	Yes	NM_001166108.2	108
SORCS2	protein_coding	Yes	NM_020777.3	108
CCSER1	protein_coding	Yes	NM_001145065.2	108
MAML3	protein_coding	Yes	NM_018717.5	108
HNRNPA1P4	essed_pseudoc	Yes	-	108
DTWD2	protein_coding	Yes	NM_173666.4	108
LINC02600	lncRNA	Yes	-	108
DAPP1	protein_coding	Yes	NM_014395.3	108
SELENOP	protein_coding	Yes	NM_005410.4	108
SNTB1	protein_coding	Yes	NM_021021.4	108
CIBAR1	protein_coding	Yes	NM_145269.5	108
SLC25A30	protein_coding	Yes	NM_001010875.4	108
MAFA-AS1	lncRNA	Yes	-	108
HMGB1P1	protein_coding	Yes	-	108
ST3GAL1	protein_coding	Yes	NM_173344.3	108
PCDHGB1	protein_coding	Yes	NM_018922.3	108
-	lncRNA	Yes	-	108
SAA2-SAA4	protein_coding	Yes	-	108
AGBL2	protein_coding	Yes	NM_024783.4	108
IL32	protein_coding	Yes	NM_001376923.1	108
EID3	protein_coding	Yes	NM_001008394.3	108
AMPD2	protein_coding	Yes	NM_001368809.2	108
LRRC24	protein_coding	Yes	NM_001024678.4	108
PRR5L	protein_coding	Yes	NM_001160167.2	108
-	lncRNA	Yes	-	108
EIF1AD	protein_coding	Yes	NM_001242481.2	108
-	lncRNA	Yes	-	108
TPD52L1	protein_coding	Yes	NM_003287.4	108
SIPA1	protein_coding	Yes	NM_006747.4	108
GLB1L2	protein_coding	Yes	NM_001370461.1	108
PTER	protein_coding	Yes	NM_001261836.2	108
PRECSIT	lncRNA	Yes	-	108
SCAND2P	unprocessed r	Yes	-	108
VIM	protein_coding	Yes	NM_003380.5	108
TK2	protein_coding	Yes	NM_004614.5	108
ATP6V1E1P3	essed_pseudoc	Yes	-	108
BNIP3P6	essed_pseudoc	Yes	-	108
VDR	protein_coding	Yes	NM_000376.3	108
CPM	protein_coding	Yes	NM_198320.5	108
KRT4	protein_coding	Yes	NM_002272.4	108

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ENST00000554452	10.5623914	-4.341043254	1.341134	-3.23685	0.001208586	0.011501025	ENSG00000258590	15	20657637	20688408
ENST00000554659	379.548806	1.060189395	0.192956	5.494469	3.92E-08	1.67E-06	ENSG00000100568	14	67647084	67674632
ENST00000555815	25.1432584	-3.363219367	0.75558	-4.45118	8.54E-06	0.000185468	ENSG00000206190	15	25678711	25863327
ENST00000558375	4.99035848	-5.771826396	1.951724	-2.9573	0.003103493	0.02385242	ENSG00000259407	15	85744108	85750281
ENST00000558391	5.07424647	-5.793138941	1.948089	-2.97376	0.002941797	0.022877263	ENSG00000259315	15	82726306	82727425
ENST00000559052	9.75726255	-4.248939893	1.454836	-2.92056	0.003493999	0.026130821	ENSG00000259186	15	73483195	73483943
ENST00000560346	45.030626	-1.96794951	0.490952	-4.00844	6.11E-05	0.000976266	ENSG00000137843	15	40239062	40277487
ENST00000560869	38.7745577	-2.144102423	0.549237	-3.90378	9.47E-05	0.001407298	ENSG00000185215	14	103123460	103137439
ENST00000561421	90.4169622	-1.180612809	0.349272	-3.38021	0.000724294	0.007559616	ENSG00000103876	15	80152998	80186349
ENST00000561705	8.69658312	6.55478384	1.749812	3.745994	0.000179681	0.00239761	ENSG00000260265	4	75081701	75084717
ENST00000562038	101.762177	1.01652913	0.322515	3.151886	0.001622193	0.014465642	ENSG00000260804	2	216217044	216220192
ENST00000562057	4016.27234	-1.183580984	0.118317	-10.0035	1.47E-23	4.63E-21	ENSG00000166145	15	40844047	40858207
ENST00000562280	12.2048302	-5.579505418	1.651601	-3.37824	0.000729511	0.00760095	ENSG00000260034	16	25140576	25149032
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ENST00000562790	130.301945	10.46024818	1.468534	7.122916	1.06E-12	1.04E-10	ENSG00000260999	16	68927546	68948261
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ENST00000563172	21.9674389	-6.455963143	1.553784	-4.15499	3.25E-05	0.000577448	ENSG00000261780	18	73324940	73349879
ENST00000563601	14.5827428	2.654647961	0.901133	2.945899	0.003220171	0.024560927	ENSG00000260589	10	17641283	17643878
ENST00000564224	97.0898735	-1.111740853	0.332071	-3.3479	0.000814257	0.00831539	ENSG00000261215	9	34661902	34666029
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ENST00000566339	607.400144	-1.021062224	0.1664	-6.1362	8.45E-10	4.97E-08	ENSG00000162032	16	1776711	1782571
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ENST00000566699	99.7509968	-3.063461823	0.376067	-8.14606	3.76E-16	5.59E-14	ENSG00000260231	7	140177183	140179640
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ENST00000568179	15.5173197	5.921561319	1.606665	3.685623	0.000228144	0.002935437	ENSG00000266801	16	68933819	68937725
ENST00000569591	34.0027954	2.084005614	0.579501	3.596206	0.000322892	0.003920697	ENSG00000260314	10	17809347	17911164
ENST00000569831	8.28736932	-3.971389959	1.411976	-2.81265	0.004913547	0.034076231	ENSG00000260425	16	1358899	1361405
ENST00000571340	6.00279806	6.018894125	1.87445	3.211019	0.001322652	0.012331658	ENSG00000262714	16	53386943	53389085
ENST00000571422	4.48007827	5.597580283	1.998575	2.800785	0.00509784	0.035050348	ENSG00000262539	17	46259550	46260606
ENST00000574428	146.039871	1.01606493	0.279426	3.636263	0.000276622	0.00345135	ENSG00000123472	1	46632736	46668364
ENST00000576742	378.641862	-1.381252845	0.194458	-7.10308	1.22E-12	1.19E-10	ENSG00000167723	17	3510501	3557812
ENST00000577809	116.559141	1.688892836	0.312774	5.399724	6.67E-08	2.72E-06	ENSG00000108666	17	32328440	32342173
ENST00000577863	5.99681898	-6.036652153	1.874613	-3.22021	0.001280958	0.012028864	ENSG00000179136	17	12549940	12642854
ENST00000577970	89.2831619	-1.027812355	0.344331	-2.98496	0.002836171	0.022253968	ENSG00000263567	17	31762439	31769048
ENST00000578774	28.7081715	1.760603238	0.603147	2.919028	0.00351125	0.02623776	ENSG00000266208	17	40360654	40364693
ENST00000579212	167.334703	2.33348335	0.283737	8.224116	1.97E-16	3.00E-14	ENSG00000284368	17	64501213	64501313
ENST00000580960	8.32315417	5.009100819	1.750756	2.861107	0.004221647	0.030265249	ENSG00000265542	17	57771945	57834749
ENST00000581130	112.393594	2.354082567	0.336177	7.002502	2.51E-12	2.37E-10	ENSG00000284564	17	64500773	64500839
ENST00000581792	681.150033	-3.227349806	0.20592	-15.6728	2.32E-55	1.06E-51	ENSG00000264462	21	8986998	8987178

CEP290	protein coding	Yes	NM_025114.4	108
NBEAP1	unprocessed	Yes	-	108
VTI1B	protein coding	Yes	NM_006370.3	108
ATP10A	protein coding	Yes	NM_024490.4	108
-	lncRNA	Yes	-	108
ACTG1P17	processed pseudogene	Yes	-	108
MRPS15P1	processed pseudogene	Yes	-	108
PAK6	protein coding	Yes	NM_001395430.1	108
TNFAIP2	protein coding	Yes	NM_006291.4	108
FAH	protein coding	Yes	NM_000137.4	108
LINC02562	lncRNA	Yes	-	108
LINC01963	lncRNA	Yes	-	108
SPINT1	protein coding	Yes	NM_003710.4	108
LCMT1-AS2	lncRNA	Yes	-	108
LINC02894	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
LINC02846	lncRNA	Yes	-	108
LINC02582	lncRNA	Yes	-	108
STAM-DT	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
CRIM1-DT	lncRNA	Yes	-	108
SPSB3	protein coding	Yes	NM_080861.4	108
-	lncRNA	Yes	-	108
KDM7A-DT	lncRNA	Yes	-	108
SCX	protein coding	Yes	NM_001080514.3	108
-	lncRNA	Yes	-	108
MRC1	protein coding	Yes	NM_002438.4	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
-	processed pseudogene	Yes	-	108
ATPAF1	protein coding	Yes	NM_001394565.1	108
TRPV3	protein coding	Yes	NM_145068.4	108
C17orf75	protein coding	Yes	NM_022344.4	108
LINC00670	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
GJD3-AS1	lncRNA	Yes	-	108
MIR5047	miRNA	Yes	-	108
-	lncRNA	Yes	-	108
MIR3064	miRNA	Yes	-	108
MIR3648-2	miRNA	Yes	-	108

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ENST00000585281	106.58954	1.556232729	0.350519	4.43979	9.00E-06	0.000194052	ENSG00000265190	10	47467992	47484115
ENST00000585682	246.389051	2.388686499	0.242826	9.837032	7.80E-23	2.34E-20	ENSG00000164125	4	158124473	158173025
ENST00000586569	18.1926326	2.05868413	0.765535	2.68921	0.007162132	0.045535323	ENSG00000141655	18	62325309	62391288
ENST00000586726	16.749381	2.884046954	0.865872	3.330802	0.000865962	0.008745901	ENSG00000225339	6	34248534	34284453
ENST00000586748	1334.54614	-1.015051542	0.139683	-7.26681	3.68E-13	3.84E-11	ENSG00000130733	19	10922192	10928639
ENST00000587128	7.90635228	-4.937274429	1.772711	-2.78516	0.00535021	0.036267438	ENSG00000267058	19	43891803	43901805
ENST00000589332	10.7432814	2.935579641	1.096451	2.677347	0.007420782	0.046754919	ENSG00000186496	18	35366693	35377337
ENST00000589666	132.211622	1.149216837	0.298434	3.850828	0.000117719	0.001686253	ENSG00000132478	17	75784805	75825799
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ENST00000593945	43.0906155	-2.862209212	0.540888	-5.29168	1.21E-07	4.61E-06	ENSG00000074219	19	49340594	49362416
ENST00000595010	62.0786053	2.093735299	0.426401	4.910254	9.10E-07	2.74E-05	ENSG00000269235	19	51949115	51981367
ENST00000597336	89.8570244	-1.028211069	0.34069	-3.01802	0.002544292	0.020463065	ENSG00000269069	19	40023383	40025502
ENST00000597850	14.0084788	-2.856536913	0.965288	-2.95926	0.003083801	0.023735111	ENSG00000171649	19	57584144	57593890
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ENST00000600882	41.9307487	-1.471918025	0.496467	-2.96478	0.00302895	0.023402085	ENSG00000019144	11	118607614	118658028
ENST00000602508	7.2653806	-6.313055698	1.805064	-3.49741	0.000469794	0.005309629	ENSG00000269911	X	72777607	72779097
ENST00000604082	5.30015889	5.837873963	1.932426	3.021008	0.002519346	0.02029591	ENSG00000271265	6	156774216	156774662
ENST00000604404	346.590416	1.071281153	0.22375	4.787839	1.69E-06	4.64E-05	ENSG00000089356	19	35115822	35124324
ENST00000607357	114.240301	1.236697404	0.312769	3.954027	7.68E-05	0.001180276	ENSG00000172428	2	240130827	240136305
ENST00000608012	92.1514963	1.39667337	0.341235	4.09299	4.26E-05	0.000722641	ENSG00000273084	7	5428183	5430566
ENST00000609104	756.486399	1.080957206	0.162604	6.647776	2.98E-11	2.28E-09	ENSG00000148429	10	11460509	11611650
ENST00000609475	16.3660914	2.462385768	0.832827	2.95666	0.003109908	0.023888362	ENSG00000272977	22	25476217	25479971
ENST00000609713	29.2537503	-1.666001668	0.604562	-2.75572	0.005856384	0.038961182	ENSG00000157542	21	37607372	37916457
ENST00000609836	5.09521847	-5.798452607	1.953229	-2.96865	0.002991118	0.023176144	ENSG00000242021	X	27042906	27158993
ENST00000610122	69.7623946	1.537335057	0.395186	3.890157	0.00010018	0.001474507	ENSG00000234432	7	5426276	5428927
ENST00000610322	333.395932	-1.067510606	0.213529	-4.99936	5.75E-07	1.82E-05	ENSG00000274523	7	75042182	75073802
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ENST00000610674	39208.7322	-1.061665112	0.130679	-8.12425	4.50E-16	6.65E-14	ENSG00000278771	14	49853615	49853914
ENST00000610745	25.9991697	4.309737515	0.870393	4.951483	7.37E-07	2.27E-05	ENSG00000138061	2	38067508	38076151
ENST00000610776	11.0666017	5.422962412	1.671603	3.244168	0.001177942	0.01125663	ENSG00000135253	7	128876864	128910709
ENST00000610841	15.4020203	7.37942027	1.6235	4.545376	5.48E-06	0.00012678	ENSG00000275504	16	68926893	68926957
ENST00000611582	202.427088	1.12162637	0.240757	4.658742	3.18E-06	7.98E-05	ENSG00000135931	2	231198630	231376848
ENST00000611639	33.5939837	2.267344408	0.577532	3.925921	8.64E-05	0.001302407	ENSG00000189366	3	125929271	125990537
ENST00000611716	564.028283	-1.20105217	0.174763	-6.87245	6.31E-12	5.56E-10	ENSG00000140479	15	101303932	101489707
ENST00000611956	7.2653806	-6.313055698	1.805064	-3.49741	0.000469794	0.005309629	ENSG00000273980	10	133257143	133257551
ENST00000612286	33.5757353	1.599716077	0.561391	2.849555	0.004378039	0.031192601	ENSG00000105997	7	27107009	27152583
ENST00000612813	78.9593955	5.452796981	0.650666	8.380331	5.28E-17	8.81E-15	ENSG00000165949	14	94110814	94116695
ENST00000612829	303.797592	1.29119406	0.222241	5.809872	6.25E-09	3.08E-07	ENSG00000284378	2	231713313	231713398

-	protein coding	Yes	-	108
ANXA8	protein coding	Yes	NM_001040084.3	108
GASK1B	protein coding	Yes	NM_001128424.2	108
TNFRSF11A	protein coding	Yes	NM_003839.4	108
-	lncRNA	Yes	-	108
YIPF2	protein coding	Yes	NM_001321439.2	108
-	lncRNA	Yes	-	108
ZNF396	protein coding	Yes	NM_001322286.2	108
UNK	protein coding	Yes	NM_001080419.3	108
ZSWIM4	protein coding	Yes	NM_001367834.3	108
MAMDC2-AS1	lncRNA	Yes	-	108
TEAD2	protein coding	Yes	NM_001256660.2	108
ZNF350-AS1	lncRNA	Yes	-	108
-	processed_pseudogene	Yes	-	108
ZIK1	protein coding	Yes	NM_001010879.4	108
LMTK3	protein coding	Yes	NM_001388485.1	108
PHLDB1	protein coding	Yes	NM_001144758.3	108
FAM226B	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
FXVD3	protein coding	Yes	NM_005971.4	108
COPS9	protein coding	Yes	NM_001163424.2	108
-	lncRNA	Yes	-	108
USP6NL	protein coding	Yes	NM_014688.5	108
-	lncRNA	Yes	-	108
KCNJ6	protein coding	Yes	NM_002240.5	108
-	lncRNA	Yes	-	108
LINC02983	lncRNA	Yes	-	108
RCC1L	protein coding	Yes	NM_030798.5	108
LINC00869	lncRNA	Yes	-	108
RN7SL3	misc_RNA	Yes	-	108
CYP1B1	protein coding	Yes	NM_000104.4	108
KCP	protein coding	Yes	NM_001366122.1	108
U7	snRNA	Yes	-	108
ARMC9	protein coding	Yes	NM_001352754.2	108
ALG1L	unprocessed	Yes	-	108
PCSK6	protein coding	Yes	NM_002570.5	108
-	lncRNA	Yes	-	108
HOXA3	protein coding	Yes	NM_153631.3	108
IFI27	protein coding	Yes	-	108
MIR1244-1	miRNA	Yes	-	108

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ENST00000613986	104.725696	1.710674147	0.350991	4.87384	1.09E-06	3.21E-05	ENSG00000196684	19	16143684	16158575
ENST00000614341	4.68493096	5.663623189	1.978177	2.863052	0.004195813	0.030141529	ENSG00000182040	17	74916082	74923255
ENST00000614521	57.5968344	1.208860746	0.428012	2.824365	0.00473744	0.033149239	ENSG00000157680	7	137381036	137846974
ENST00000614758	166.793954	1.655089449	0.312662	5.293549	1.20E-07	4.57E-06	ENSG00000284570	8	100702967	100703024
ENST00000614771	34.0046757	-1.704703998	0.560133	-3.04339	0.002339293	0.019186999	ENSG00000278709	20	57710155	57712780
ENST00000615189	60.0597052	1.489771757	0.420469	3.54312	0.000395423	0.004622922	ENSG00000100003	22	30397017	30425303
ENST00000615353	134.886436	6.467185832	0.647427	9.98905	1.70E-23	5.34E-21	ENSG00000276180	6	27139281	27139678
ENST00000615648	4398.33835	-1.04042279	0.114196	-9.11086	8.17E-20	1.88E-17	ENSG00000261150	8	143857323	143878467
ENST00000615674	24.0098101	-1.851485161	0.659299	-2.80826	0.004980947	0.034440934	ENSG00000273712	6	28315612	28315883
ENST00000616316	22.7360313	-2.227882094	0.706508	-3.15337	0.001613969	0.014411118	ENSG00000185201	11	307815	309395
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ENST00000617673	4.26697111	-5.544915273	2.022592	-2.74149	0.006116115	0.040284792	ENSG00000284280	8	27610600	27610751
ENST00000617714	57.0565124	-4.195438632	0.622368	-6.74109	1.57E-11	1.27E-09	ENSG00000237412	2	232520387	232525716
ENST00000618081	51.5228225	1.331063928	0.464175	2.867589	0.004136129	0.02980202	ENSG00000291090	17	18537799	18625620
ENST00000618183	1774.81111	1.236876641	0.134031	9.228307	2.75E-20	6.65E-18	ENSG00000122566	7	26189926	26200746
ENST00000618526	10.5818911	-5.386043925	1.676262	-3.21313	0.001312983	0.012264889	ENSG00000275756	9	92104424	92105451
ENST00000618835	90.5104515	-1.068641731	0.350284	-3.05078	0.002282448	0.018817775	ENSG00000278600	15	79920194	79922455
ENST00000619162	98.2296614	1.495014773	0.345747	4.324017	1.53E-05	0.000305721	ENSG00000264230	10	46375775	46391778
ENST00000619168	208.432343	2.026690478	0.260383	7.783483	7.06E-15	9.22E-13	ENSG00000183049	10	12349546	12835545
ENST00000619208	81.18288	-1.089916738	0.365223	-2.98425	0.00284272	0.022293764	ENSG00000186862	10	101007678	101031129
ENST00000619781	6.23701111	6.074526403	1.85872	3.268123	0.001082632	0.010496488	ENSG00000278737	15	65083041	65083663
ENST00000619870	43.6302121	-1.759824061	0.492307	-3.57465	0.0003507	0.004199813	ENSG00000290951	7	75359193	75395368
ENST00000620220	10.3242069	-3.20863541	1.143854	-2.80511	0.005029949	0.034687713	ENSG00000282301	7	99684956	99735102
ENST00000621053	9.65271126	3.120861867	1.166538	2.675319	0.007465826	0.046942823	ENSG00000276302	6	28267120	28281580
ENST00000621141	9.35674581	-4.155739991	1.379638	-3.0122	0.002593654	0.020769432	ENSG00000183671	2	206175315	206213371
ENST00000622683	617.861104	-1.115333529	0.17198	-6.48524	8.86E-11	6.19E-09	ENSG00000275832	17	38428463	38512385
ENST00000623243	7.25980228	4.796455464	1.805403	2.656723	0.007890429	0.048983384	ENSG00000280228	2	112840327	112844195
ENST00000623250	65.5319671	1.177394284	0.395659	2.97578	0.002922444	0.022761901	ENSG00000279348	2	216211403	216213519
ENST00000624440	7.32976889	-4.820264511	1.771353	-2.72123	0.006503898	0.042280654	ENSG00000279235	15	78906126	78906809
ENST00000626934	11.9395579	-2.845621021	1.034269	-2.75133	0.005935302	0.039359725	ENSG00000281909	15	22480438	22484840
ENST00000627620	224.323095	1.231758503	0.239812	5.136341	2.80E-07	9.59E-06	ENSG00000196876	12	51591232	51812864
ENST00000630421	12.641173	-3.530779114	1.084136	-3.25677	0.001126889	0.01085109	ENSG00000280734	13	99486961	99496772
ENST00000631190	34.0671844	1.580841657	0.548453	2.882363	0.003947053	0.028710549	ENSG00000280798	11	33076148	33079454
ENST00000631195	18.7298201	-3.111607827	0.867365	-3.58742	0.000333961	0.004033227	ENSG00000281097	11	129612115	129617269
ENST00000634942	68.2677873	1.303075413	0.405606	3.212666	0.00131509	0.012276905	ENSG00000282851	19	17406103	17419324
ENST00000635031	307.448305	-1.396471361	0.212239	-6.57972	4.71E-11	3.46E-09	ENSG00000170846	4	6674074	6676047
ENST00000635120	37.3183703	1.914393334	0.543924	3.519596	0.000432204	0.004973684	ENSG00000183117	8	2935360	4994914
ENST00000636215	284.42184	1.161226762	0.211453	5.491656	3.98E-08	1.70E-06	ENSG00000175105	3	88059254	88144660
ENST00000636341	56.9588045	1.605032513	0.433359	3.703704	0.000212474	0.002763462	ENSG00000225868	19	37829049	37836964

-	lncRNA	Yes	-	108
HSH2D	protein_coding	Yes	NM_001382417.1	108
USH1G	protein_coding	Yes	NM_173477.5	108
DGKI	protein_coding	Yes	NM_001321708.2	108
MIR7705	miRNA	Yes	-	108
NKILA	lncRNA	Yes	-	108
SEC14L2	protein_coding	Yes	NM_012429.5	108
H4C9	protein_coding	Yes	NM_003495.3	108
EPPK1	protein_coding	Yes	NM_031308.4	108
-	processed_pseudogene	Yes	-	108
IFITM2	protein_coding	Yes	NM_006435.3	108
SEZ6L2	protein_coding	Yes	NM_001243332.2	108
MIR6843	miRNA	Yes	-	108
PRSS56	protein_coding	Yes	NM_001195129.2	108
CCDC144BP	lncRNA	Yes	-	108
HNRNPA2B1	protein_coding	Yes	NM_002137.4	108
-	processed_pseudogene	Yes	-	108
-	lncRNA	Yes	-	108
ANXA8L1	protein_coding	Yes	NM_001098845.3	108
CAMK1D	protein_coding	Yes	NM_153498.4	108
PDZD7	protein_coding	Yes	NM_001195263.2	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
CYP3A7-CYP3A51P	protein_coding	Yes	-	108
-	protein_coding	Yes	-	108
CMKLR2	protein_coding	Yes	NM_001389445.1	108
ARHGAP23	protein_coding	Yes	NM_001199417.2	108
-	TEC	Yes	-	108
-	TEC	Yes	-	108
-	TEC	Yes	-	108
HERC2P7	processed_pseudogene	Yes	-	108
SCN8A	protein_coding	Yes	NM_001330260.2	108
LINC01232	lncRNA	Yes	-	108
LINC00294	lncRNA	Yes	-	108
LINC01395	lncRNA	Yes	-	108
BISPR	lncRNA	Yes	-	108
-	protein_coding	Yes	NM_138699.3	108
CSMD1	protein_coding	Yes	NM_033225.6	108
ZNF654	protein_coding	Yes	NM_001350134.2	108
WDR87BP	unprocessed_transcript	Yes	-	108

ENST00000636498	5.68050391	5.941347995	1.894273	3.13648	0.001709892	0.015051413	ENSG00000283441	20	34990399	34990472
ENST00000638170	219.987896	-1.275293564	0.240194	-5.30942	1.10E-07	4.24E-06	ENSG00000259330	15	40323691	40326715
ENST00000639008	7.34788337	4.813047146	1.781854	2.701145	0.006910118	0.044307722	ENSG00000204791	8	144049078	144051203
ENST00000640019	480.975388	1.17956767	0.179483	6.572012	4.96E-11	3.63E-09	ENSG00000284024	10	14838305	14846999
ENST00000642384	125.849451	1.043567166	0.307503	3.393686	0.000689587	0.007261061	ENSG00000119866	2	60457193	60553654
ENST00000642385	6336.12461	-1.900675486	0.11472	-16.5679	1.19E-61	1.06E-57	ENSG00000159921	9	36214440	36258448
ENST00000642603	11.3392334	5.465918588	1.674189	3.264815	0.001095354	0.010597401	ENSG00000187554	1	223109403	223143248
ENST00000643898	49.3803212	2.205561538	0.479561	4.599128	4.24E-06	0.000102126	ENSG00000111913	6	24804283	24935960
ENST00000643944	1586.03753	-1.168271505	0.167883	-6.95884	3.43E-12	3.17E-10	ENSG00000185803	8	144358612	144361272
ENST00000644032	15.1156463	3.492438628	1.112836	3.138324	0.001699172	0.014980724	ENSG00000142347	19	8520777	8577442
ENST00000644917	33.2029756	2.089588113	0.591469	3.532881	0.000411057	0.004776889	ENSG00000070182	14	64746282	64879907
ENST00000644974	307.383969	1.035746781	0.216351	4.787348	1.69E-06	4.65E-05	ENSG00000141068	17	27456447	27626435
ENST00000645235	7.30040852	-4.837452239	1.774899	-2.72548	0.006420801	0.041861093	ENSG00000261040	17	60085108	60088286
ENST00000645453	77.9449546	1.480208372	0.434233	3.408786	0.000652527	0.006930219	ENSG00000266714	17	75587799	75626849
ENST00000645805	258.439024	-1.843016247	0.27644	-6.66696	2.61E-11	2.02E-09	ENSG00000214049	19	15828205	15836136
ENST00000646209	165.136292	3.114809022	0.300797	10.3552	3.96E-25	1.43E-22	ENSG00000151090	3	24117152	24494850
ENST00000646441	209.114805	-1.30036146	0.261881	-4.96547	6.85E-07	2.13E-05	ENSG00000125266	13	106489744	106535662
ENST00000646952	14.0654566	2.833815518	0.964374	2.938503	0.00329801	0.024987795	ENSG00000291251	12	31158896	31172377
ENST00000647584	174.455872	1.136016175	0.257585	4.410256	1.03E-05	0.00021767	ENSG00000132199	18	670317	712630
ENST00000647725	58.5380189	-2.121041206	0.439784	-4.82291	1.41E-06	4.00E-05	ENSG00000285708	3	70959225	71754229
ENST00000647814	259.98835	-1.739881705	0.248681	-6.99644	2.63E-12	2.47E-10	ENSG00000023839	10	99782639	99852594
ENST00000647941	165.136468	1.317781801	0.271674	4.850603	1.23E-06	3.55E-05	ENSG00000080819	3	98579445	98593611
ENST00000647956	192.372083	1.267770708	0.260686	4.863203	1.16E-06	3.36E-05	ENSG00000159403	12	7080218	7092445
ENST00000648011	79.2353305	1.211235255	0.36664	3.30361	0.000954484	0.0094734	ENSG00000291141	1	121519122	121575702
ENST00000648240	348.352792	1.072508209	0.223542	4.797793	1.60E-06	4.45E-05	ENSG00000285526	19	35106509	35124297
ENST00000649015	154.305469	-1.220027169	0.272879	-4.47095	7.79E-06	0.000171511	ENSG00000150995	3	4493347	4847506
ENST00000649528	103.359913	-1.78978211	0.337258	-5.30686	1.12E-07	4.30E-06	ENSG00000114861	3	70954707	71583728
ENST00000649529	1159.01898	2.30369978	0.193373	11.91324	1.01E-32	8.20E-30	ENSG00000187608	1	1013496	1014540
ENST00000650340	4.39199718	5.572166461	2.017142	2.762406	0.005737708	0.038325182	ENSG00000285712	10	43325832	43350792
ENST00000650553	18.3376917	-3.054647266	0.857847	-3.56083	0.000369686	0.004379799	ENSG00000234147	6	140575811	140898381
ENST00000650579	8.34881301	-5.035652247	1.740455	-2.8933	0.003812216	0.027941026	ENSG00000205293	8	57855499	57984114
ENST00000650711	9.28936676	5.172383992	1.716593	3.013168	0.00258536	0.020715093	ENSG00000108576	17	30194318	30235697
ENST00000650905	200.333991	1.727438795	0.276119	6.256133	3.95E-10	2.46E-08	ENSG00000172936	3	38138660	38143022
ENST00000651006	24.7280212	2.362433265	0.677531	3.486825	0.000488792	0.005476838	ENSG00000251363	14	40954692	41149309
ENST00000651358	925.967211	-1.679445397	0.156661	-10.7203	8.18E-27	3.66E-24	ENSG00000164970	9	34398183	34458570
ENST00000651449	10.9257338	-5.419379897	1.677673	-3.2303	0.00123662	0.011707799	ENSG00000244128	3	165460538	165846519
ENST00000651514	8.12865589	-4.995533567	1.754803	-2.84678	0.004416434	0.031402496	ENSG00000160868	7	99756966	99784184
ENST00000652361	82.3173574	2.041590328	0.37406	5.457917	4.82E-08	2.02E-06	ENSG00000176928	5	75025345	75052558
ENST00000653200	35.3116962	1.699168425	0.549277	3.093465	0.001978337	0.016828276	ENSG00000227533	1	42959077	42996800
ENST00000653713	23.695104	-2.093974913	0.681371	-3.07318	0.00211791	0.017742897	ENSG00000287985	7	64369240	64375584

MIR499B	miRNA	Yes	-	108
INAFM2	protein_coding	Yes	NM_001301268.2	108
SMPD5	ed_unitary_pse	Yes	-	108
-	protein_coding	Yes	NM_001378785.1	108
BCL11A	protein_coding	Yes	NM_022893.4	108
GENE	protein_coding	Yes	NM_005476.7	108
TLR5	protein_coding	Yes	NM_003268.6	108
RIPOR2	protein_coding	Yes	NM_001286445.3	108
SLC52A2	protein_coding	Yes	NM_001363118.2	108
MYO1F	protein_coding	Yes	NM_012335.4	108
SPTB	protein_coding	Yes	NM_001355436.2	108
KSR1	protein_coding	Yes	NM_001394583.1	108
WFDC21P	ed_unitary_pse	Yes	-	108
MYO15B	protein_coding	Yes	NM_001395058.1	108
UCA1	lncRNA	Yes	-	108
THRB	protein_coding	Yes	NM_001354712.2	108
EFNB2	protein_coding	Yes	NM_004093.4	108
-	lncRNA	Yes	-	108
ENOSF1	protein_coding	Yes	NM_017512.7	108
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ABCC2	protein_coding	Yes	NM_000392.5	108
CPOX	protein_coding	Yes	NM_000097.7	108
C1R	protein_coding	Yes	NM_001733.7	108
EMBP1	lncRNA	Yes	-	108
-	protein_coding	Yes	-	108
ITPR1	protein_coding	Yes	NM_001378452.1	108
FOXP1	protein_coding	Yes	NM_001349338.3	108
ISG15	protein_coding	Yes	NM_005101.4	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
LINC01602	lncRNA	Yes	-	108
SLC6A4	protein_coding	Yes	NM_001045.6	108
MYD88	protein_coding	Yes	NM_002468.5	108
LINC02315	lncRNA	Yes	-	108
FAM219A	protein_coding	Yes	NM_001184940.2	108
LINC01322	lncRNA	Yes	-	108
CYP3A4	protein_coding	Yes	NM_017460.6	108
GCNT4	protein_coding	Yes	NM_001366737.1	108
SLC2A1-DT	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108

ENST00000655075	21.4322617	2.098038751	0.734143	2.857807	0.004265794	0.030529606	ENSG00000288029	3	54033987	54058864
ENST00000655684	51.0795608	1.650227837	0.461334	3.577076	0.000347459	0.004170255	ENSG00000227403	2	161244719	161249095
ENST00000656698	2107.25263	-1.61348447	0.13298	-12.1332	7.04E-34	6.37E-31	ENSG00000250920	4	103550588	103559277
ENST00000659750	35.6049439	-1.468548866	0.534426	-2.7479	0.005997803	0.039688864	ENSG00000228192	1	42832521	42846414
ENST00000660029	6.97592671	4.748575312	1.792917	2.648519	0.008084538	0.049923358	ENSG00000259359	15	96171574	96174339
ENST00000661181	105.835405	-2.031992076	0.336975	-6.0301	1.64E-09	9.12E-08	ENSG00000286299	6	125268086	125274828
ENST00000661238	4.97786475	5.74958366	1.949778	2.94884	0.003189689	0.024372674	ENSG00000286507	7	26598599	26617295
ENST00000661790	68.3125854	1.083034927	0.392253	2.761063	0.005761354	0.038449141	ENSG00000226476	1	60515734	60622712
ENST00000662642	20.5580601	-3.937504837	0.923121	-4.26543	2.00E-05	0.000380248	ENSG00000258743	14	82642619	82746664
ENST00000662918	6.34280809	-6.115070995	1.858676	-3.29001	0.001001822	0.009853335	ENSG00000286590	6	20321460	20333193
ENST00000663543	59.8975569	1.836181099	0.436298	4.208549	2.57E-05	0.000471225	ENSG00000226453	6	81844603	82169391
ENST00000663616	13.2179802	-2.731014238	0.950415	-2.8735	0.004059551	0.029355217	ENSG00000203999	20	50292708	50315488
ENST00000665637	28.1374745	3.349027546	0.706801	4.738291	2.16E-06	5.72E-05	ENSG00000136237	7	22118235	22357154
ENST00000666136	526.163977	-1.221846177	0.181053	-6.74857	1.49E-11	1.21E-09	ENSG00000268621	19	46189028	46203083
ENST00000667279	4.46615624	-5.612620884	2.01042	-2.79177	0.00524213	0.03572226	ENSG00000277047	13	54938603	54986717
ENST00000669890	7.52748172	-6.363928544	1.793231	-3.54886	0.0003869	0.004538944	ENSG00000235142	6	106705333	106787521
ENST00000671505	9.75726255	-4.248939893	1.454836	-2.92056	0.003493999	0.026130821	ENSG00000287853	20	34132269	34136485
ENST00000673966	8.72594349	6.559092951	1.749682	3.748735	0.000177729	0.002374922	ENSG00000132746	11	67662154	67674623
ENST00000674313	57.6777781	-1.359054153	0.424165	-3.20407	0.001354981	0.012563171	ENSG00000155465	14	22773221	22815435
ENST00000674635	63.9025601	1.229307601	0.402477	3.054357	0.002255435	0.018637512	ENSG00000116991	1	232397964	232630133
ENST00000675268	84.4091658	-1.355029136	0.364666	-3.71581	0.000202554	0.002651789	ENSG00000288634	7	112450486	112450645
ENST00000676095	9.98071696	-6.77182737	1.716693	-3.94469	7.99E-05	0.001220511	ENSG00000228509	2	190672296	190841864
ENST00000676302	103.297925	1.145636354	0.322416	3.553283	0.000380455	0.004484371	ENSG00000188158	X	17375199	17735994
ENST00000680972	654.899695	-1.130660357	0.163437	-6.91803	4.58E-12	4.13E-10	ENSG00000089060	12	113298770	113335109
ENST00000681370	2067.19481	1.284270935	0.361542	3.552209	0.000382012	0.004497457	ENSG00000233975	1	27660383	27666279
ENST00000681845	2846.01609	-1.275395765	0.367481	-3.47064	0.00051922	0.005749154	ENSG00000288699	9	35065338	35074175
ENST00000682323	1573.8313	1.36870315	0.188143	7.274808	3.47E-13	3.63E-11	ENSG00000138496	3	122527923	122564300
ENST00000682931	76.5429303	-1.102033942	0.367155	-3.00155	0.002686073	0.021338778	ENSG00000143147	1	168079541	168136930
ENST00000683033	113.560826	1.558390628	0.337979	4.610915	4.01E-06	9.74E-05	ENSG00000150471	4	61200325	62078335
ENST00000683051	29.9325138	1.984593239	0.59912	3.312512	0.000924623	0.009233461	ENSG00000228956	3	18527206	18923280
ENST00000683152	50.9375336	1.247325832	0.447955	2.784491	0.005361174	0.036327095	ENSG00000019485	11	45146638	45235109
ENST00000683327	9.0551537	5.13433886	1.725004	2.976422	0.002916334	0.022727198	ENSG00000174945	7	2688201	2719683
ENST00000683555	25.5042401	1.765841194	0.640737	2.755953	0.005852149	0.038938147	ENSG00000188747	9	137423392	137434406
ENST00000683666	390.48323	-1.191403911	0.196599	-6.06008	1.36E-09	7.73E-08	ENSG00000143409	1	150996834	151006902
ENST00000684388	1394.12343	1.175781469	0.13368	8.795514	1.42E-18	2.88E-16	ENSG00000288725	16	56430555	56501497
ENST00000685332	1008.79574	1.103412338	0.144818	7.619298	2.55E-14	3.07E-12	ENSG00000075407	10	38094336	38124625
ENST00000685964	219.548611	1.10981505	0.244012	4.548194	5.41E-06	0.000125305	ENSG00000089682	X	107061884	107118822
ENST00000686162	65.8265045	-1.125544574	0.410817	-2.73977	0.006148163	0.040441242	ENSG00000289562	11	62574173	62575097
ENST00000687343	10.3694064	3.665486325	1.21225	3.023704	0.002497006	0.020169699	ENSG00000237943	10	6580505	6615954
ENST00000687513	44.8241671	-1.302360027	0.475566	-2.73855	0.00617115	0.040567731	ENSG00000288744	12	103965892	103966794

-	lncRNA	Yes	-	108
LINC01806	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
ZNF691-DT	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
LINC01748	lncRNA	Yes	-	108
LINC02301	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
LINC02542	lncRNA	Yes	-	108
LINC01270	lncRNA	Yes	-	108
RAPGEF5	protein_coding	Yes	NM_012294.5	108
IGFL2-AS1	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
LINC02532	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
ALDH3B2	protein_coding	Yes	NM_001393402.2	108
SLC7A7	protein_coding	Yes	NM_003982.4	108
SIPA1L2	protein_coding	Yes	NM_020808.5	108
-	protein_coding	Yes	-	108
-	lncRNA	Yes	-	108
NHS	protein_coding	Yes	NM_001291867.2	108
SLC8B1	protein_coding	Yes	NM_001358345.2	108
LINC02574	lncRNA	Yes	-	108
-	protein_coding	Yes	-	108
PARP9	protein_coding	Yes	NM_001146105.2	108
GPR161	protein_coding	Yes	NM_001375883.1	108
ADGRL3	protein_coding	Yes	NM_001387552.1	108
SATB1-AS1	lncRNA	Yes	-	108
PRDM11	protein_coding	Yes	NM_001384648.1	108
AMZ1	protein_coding	Yes	NM_001384743.1	108
NOXA1	protein_coding	Yes	NM_001256067.2	108
MINDY1	protein_coding	Yes	NM_001376665.1	108
-	protein_coding	Yes	-	108
ZNF37A	protein_coding	Yes	NM_001324250.3	108
RBM41	protein_coding	Yes	NM_001324242.2	108
-	lncRNA	Yes	-	108
PRKCQ-AS1	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108

ENST00000688159	4.538799	5.614285089	2.00097	2.805781	0.005019472	0.034639173	ENSG00000289141	1	161389546	161389965
ENST00000688547	154.873627	1.500078159	0.306838	4.888821	1.01E-06	3.00E-05	ENSG00000140853	16	56989556	57083520
ENST00000688585	702.692935	-1.841041863	0.162741	-11.3127	1.14E-29	8.02E-27	ENSG00000289316	8	133237170	133237927
ENST00000688720	140.4619	-4.16610263	0.390528	-10.6679	1.44E-26	6.29E-24	ENSG00000196562	20	47657405	47785481
ENST00000688948	38.0211024	-1.639638061	0.529635	-3.09579	0.001962887	0.016722269	ENSG00000064787	20	53943540	54070594
ENST00000689451	33.782639	1.568297734	0.551466	2.843873	0.004456884	0.031624414	ENSG00000289174	12	88781255	88847391
ENST00000689635	63.7987741	-2.715372355	0.443457	-6.12319	9.17E-10	5.36E-08	ENSG00000123094	12	25958681	26072869
ENST00000690102	44.3552956	-1.614291269	0.484044	-3.33501	0.000852958	0.008635341	ENSG00000291043	10	73730572	73737790
ENST00000691526	46.6036753	-1.352199289	0.472927	-2.85921	0.004246951	0.030407711	ENSG00000285533	11	65662987	65671718
ENST00000691676	322.967254	3.358188386	0.268659	12.49981	7.48E-36	7.85E-33	ENSG00000182261	11	7957536	7965447
ENST00000692801	38.8463094	2.24058826	0.537745	4.166635	3.09E-05	0.000552821	ENSG00000291096	3	125928688	125990573
ENST00000693548	112.972003	-1.807665963	0.348307	-5.18987	2.10E-07	7.51E-06	ENSG00000144821	3	108380367	108510596
ENST00000694881	100.10805	1.144236698	0.327362	3.495321	0.000473493	0.005340653	ENSG00000176155	17	82101469	82212842
ENST00000695401	63.3164719	-1.374618139	0.404807	-3.39574	0.000684433	0.007217247	ENSG00000138835	9	113463726	113597738
ENST00000695562	48.0173448	-1.561701579	0.465237	-3.35679	0.000788535	0.008104183	ENSG00000289688	13	23505237	23535314
ENST00000695919	203.953041	-3.533300442	0.346294	-10.2032	1.92E-24	6.53E-22	ENSG00000169851	4	30720368	31146800
ENST00000695948	31.9341898	-2.446546391	0.604749	-4.04556	5.22E-05	0.000856552	ENSG00000124496	6	42224930	42451926
ENST00000696247	323.866893	-1.482445139	0.248971	-5.95429	2.61E-09	1.39E-07	ENSG00000188707	7	150329870	150331115
ENST00000697408	39.5896422	-1.589284078	0.518261	-3.06657	0.002165299	0.018056823	ENSG00000289728	1	247332330	247448603
ENST00000701030	19.7990989	-3.207369332	0.937515	-3.42114	0.000623596	0.006677392	ENSG00000289850	6	144922314	144929987
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ENST00000701580	22.1016592	-6.455354084	1.549485	-4.16613	3.10E-05	0.000553719	ENSG00000224307	9	129282509	129313220
ENST00000702066	4.39199718	5.572166461	2.017142	2.762406	0.005737708	0.038325182	ENSG00000281655	11	102641077	102683911
ENST00000702115	12.2767111	-7.069861435	1.666641	-4.24198	2.22E-05	0.000415433	ENSG00000289959	X	13089739	13091216
ENST00000702916	42.7179413	6.387569961	1.116342	5.721876	1.05E-08	4.98E-07	ENSG00000269834	19	52388835	52397713

-	lncRNA	Yes	-	108
NLRC5	protein_coding	Yes	NM_001384950.1	108
-	lncRNA	Yes	-	108
SULF2	protein_coding	Yes	NM_001387048.1	108
BCAS1	protein_coding	Yes	NM_001366298.2	108
-	lncRNA	Yes	-	108
RASSF8	protein_coding	Yes	NM_001394098.1	108
GLUD1P3	lncRNA	Yes	-	108
RELA-DT	lncRNA	Yes	-	108
NLRP10	protein_coding	Yes	NM_001391958.1	108
-	lncRNA	Yes	-	108
MYH15	protein_coding	Yes	NM_014981.3	108
CCDC57	protein_coding	Yes	NM_001394669.1	108
RGS3	protein_coding	Yes	NM_001394167.1	108
-	lncRNA	Yes	-	108
PCDH7	protein_coding	Yes	NM_001173523.2	108
TRERF1	protein_coding	Yes	NM_001395490.1	108
ZBED10P	ed_unitary_pse	Yes	-	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
MIR1915HG	lncRNA	Yes	-	108
LINC02975	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
-	lncRNA	Yes	-	108
ZNF528-AS1	lncRNA	Yes	-	108