

**Table S1** Differentially expressed lncRNAs

lncRNA	LogFC	LogCPM	P Value	FDR
AC093110.1	-3.308452949	7.94864124	6.83E-204	6.07E-200
AL606469.1	-5.148308425	5.739481461	2.81E-178	1.25E-174
AL590226.1	-3.643915326	6.035336806	2.30E-163	6.83E-160
FENDRR	-3.90899102	10.00042349	4.78E-149	1.06E-145
LANCL1-AS1	-3.673669947	6.934729679	2.13E-146	3.80E-143
LINC00968	-3.523855811	7.288458827	1.11E-134	1.65E-131
AL445307.1	-3.441085986	3.681906973	2.36E-123	2.99E-120
AL109741.3	-2.826192452	3.950364864	7.59E-123	8.44E-120
AP001189.1	-3.034918828	6.155643325	2.20E-122	2.18E-119
LINC01082	-4.110946756	4.169086774	3.16E-120	2.81E-117
AC135012.3	-4.018476033	4.889494823	2.55E-114	2.07E-111
MIR3945HG	-3.467895473	6.729351831	1.33E-113	9.86E-111
HID1-AS1	-2.729544868	4.850805822	5.32E-105	3.64E-102
AC018647.1	-2.734415541	5.424257077	6.33E-104	4.02E-101
LINC02016	-4.942221174	5.578489304	3.95E-101	2.34E-98
AC095050.1	-4.497858978	3.809852819	1.09E-96	6.07E-94
LINC01996	-4.42381639	5.966954641	2.49E-95	1.30E-92
LINC00656	-3.425947871	4.250542386	1.29E-93	6.36E-91
AC104984.1	-4.087136502	3.495995602	2.83E-92	1.33E-89
PCAT19	-2.348060408	9.524327684	8.17E-88	3.63E-85
AC026369.3	-3.334548716	6.785990418	9.21E-87	3.90E-84
AC104984.4	-4.029649912	4.126768284	2.09E-86	8.46E-84
AC011899.2	-2.333011024	8.660941723	5.32E-86	2.06E-83
AL109741.1	-2.448045391	5.064415865	6.25E-86	2.32E-83
AC128709.3	-4.216044333	3.892435756	3.24E-85	1.15E-82
AC084030.1	-4.33791574	3.248790863	6.24E-85	2.14E-82
AC087521.1	-2.687186963	5.746321819	2.55E-77	8.41E-75
LINC01290	-2.212266115	5.013333864	7.25E-77	2.30E-74
LINC00163	-3.360907124	4.58063557	2.56E-76	7.86E-74
AL135960.1	-2.58990085	4.922715205	1.03E-72	2.96E-70
AC010976.2	-3.037150784	5.389834732	1.46E-72	4.05E-70
SMIM25	-2.402726027	10.72300166	2.33E-72	6.29E-70
ADAMTS9-AS1	-2.702606823	7.05489577	7.95E-72	2.08E-69
AC027288.3	-3.125872753	7.962751298	2.69E-71	6.83E-69
LINC01081	-3.065326682	2.872826802	4.50E-71	1.11E-68
AC009806.1	-2.332335805	3.923180833	6.75E-71	1.62E-68
AP001189.3	-2.380946668	6.156686654	2.01E-70	4.71E-68

AP000438.1	-2.931393823	3.734731762	2.16E-69	4.94E-67
AC010776.3	-3.791037577	2.888808336	5.62E-69	1.25E-66
AL355974.2	-2.87155511	4.853217967	1.02E-65	2.16E-63
AC104237.2	-3.458938476	3.366921758	3.84E-65	7.95E-63
AC104237.3	-3.473633586	3.687514586	4.06E-65	8.20E-63
AC006273.1	-2.543527882	4.806592803	5.80E-65	1.15E-62
LINC00551	-3.021886272	5.833502836	1.94E-64	3.74E-62
LINC01977	4.856561562	7.229525394	5.48E-64	1.04E-61
AC119424.1	-3.480501869	3.606513063	7.89E-63	1.40E-60
AL445423.1	-2.342559664	4.202453392	1.02E-62	1.77E-60
LINC01447	-2.94003828	3.705468838	2.18E-62	3.72E-60
LINC01936	-2.370977161	8.720621487	5.33E-62	8.95E-60
AC004947.1	-2.969865202	5.553189999	1.41E-61	2.28E-59
AC125807.2	-2.025022495	8.518200357	3.51E-61	5.52E-59
MED4-AS1	-2.230027871	4.55755017	1.71E-60	2.58E-58
LINC01352	-2.248280297	4.866814024	4.98E-60	7.39E-58
TBX2-AS1	-2.040754971	7.140793036	5.36E-60	7.81E-58
PACRG-AS3	-3.832204608	3.839791478	1.17E-59	1.67E-57
AC104211.2	-2.835565369	3.632874883	1.63E-59	2.30E-57
LINC01197	-2.018154746	6.344457021	1.78E-59	2.44E-57
FAM83A-AS1	6.620299631	8.733901876	1.78E-59	2.44E-57
AC011511.5	-2.539479569	8.156134886	3.06E-59	4.12E-57
LINC02014	4.043370495	6.644671437	4.40E-59	5.84E-57
AC011899.3	-2.156723857	4.938683101	5.06E-58	6.61E-56
AL354714.1	-3.908074677	5.216034864	3.40E-57	4.39E-55
AC022509.2	-2.118128657	5.8924535	7.23E-57	9.19E-55
AC044810.2	-3.289761623	4.721253497	1.12E-56	1.41E-54
AC026992.2	-2.748057479	6.60833443	4.47E-56	5.45E-54
AC018529.1	-2.554900448	3.806996621	4.79E-56	5.76E-54
LINC01863	-3.177958874	4.633562823	1.12E-55	1.31E-53
AC068700.1	-2.32631073	5.339635179	3.89E-55	4.50E-53
Z82246.1	-3.373274996	3.186522199	9.80E-55	1.12E-52
AC019193.2	-2.230703952	3.991244513	1.30E-54	1.47E-52
AL591686.1	-3.11794358	3.371318742	3.32E-52	3.65E-50
LINC00702	-2.185303806	7.602441717	6.92E-52	7.50E-50
PTPRD-AS1	-2.233765953	5.54487095	7.72E-52	8.27E-50
AFAP1-AS1	6.445102812	12.8937287	3.31E-51	3.50E-49
PVT1	2.730465693	10.51779193	4.86E-51	5.08E-49
LINC00511	3.199927295	11.28795762	1.00E-50	1.04E-48
AL035409.1	-2.331255684	4.813946752	1.29E-50	1.32E-48

MNX1-AS1	5.280349859	7.435796855	1.97E-50	1.99E-48
LINC01506	-2.36686531	4.286518442	5.02E-50	5.02E-48
LINC02154	-3.239438143	7.132873536	8.57E-50	8.48E-48
AC004816.1	3.026320426	8.742833875	1.98E-49	1.91E-47
RUNDC3A-AS1	3.799805439	7.380930341	2.79E-48	2.62E-46
DDX11-AS1	2.493179815	6.436775162	4.36E-48	4.04E-46
LINC01624	-2.257933786	4.08516979	7.46E-48	6.85E-46
AP001453.2	3.546569913	7.304532789	7.74E-48	7.03E-46
AC112722.1	-2.116127762	5.048311586	1.43E-47	1.28E-45
LINC01572	2.933088135	6.232974261	2.47E-47	2.20E-45
AC025048.1	-2.447909901	2.9966632	2.89E-47	2.54E-45
ZFPM2-AS1	5.377879028	8.533098869	6.10E-47	5.32E-45
AC096531.2	-3.064209084	6.24622451	6.18E-47	5.34E-45
AC116312.1	-2.745848638	3.180285267	8.23E-47	7.04E-45
LINC00891	-2.356546798	5.199063931	1.35E-46	1.14E-44
AC020907.1	5.854117988	6.868921984	2.29E-46	1.92E-44
AL445470.1	-2.571754477	3.320105788	7.76E-46	6.45E-44
PCAT6	2.757424929	8.865860816	8.45E-46	6.96E-44
LINC01270	2.931942001	8.390002457	1.91E-45	1.54E-43
Z98257.1	6.099112187	10.05502458	3.28E-45	2.63E-43
AL138737.1	-2.777915935	3.169000346	4.75E-45	3.77E-43
AC068228.1	5.507741397	5.115605279	5.06E-45	3.98E-43
FGF10-AS1	-3.179384011	2.852103204	6.84E-45	5.34E-43
AC112206.2	-2.631620495	6.324409874	1.08E-44	8.33E-43
AC005884.1	-2.318403656	3.872582533	2.07E-44	1.58E-42
AC080037.1	5.367379547	7.473892025	6.58E-44	5.00E-42
FEZF1-AS1	6.21294319	9.558610623	1.47E-43	1.11E-41
AL355304.1	-2.321082638	3.818234732	1.38E-42	1.02E-40
NAV2-AS2	-2.725182168	4.422817089	3.86E-42	2.81E-40
PARAL1	-2.909797639	7.232010955	4.79E-42	3.41E-40
AC027277.2	-2.32787521	4.808281986	5.83E-42	4.09E-40
LINC00472	-2.112855406	6.453309591	7.57E-42	5.26E-40
FOXD3-AS1	6.956464491	6.979884699	9.53E-42	6.52E-40
LINC02416	4.282930948	5.544379134	1.26E-41	8.56E-40
C1orf220	2.256853758	6.191200447	1.93E-41	1.30E-39
LINC01165	-2.405482735	3.349838484	5.40E-41	3.56E-39
HLX-AS1	-2.235802165	3.428535924	8.01E-41	5.20E-39
AC069360.1	-2.204460729	4.756991493	1.33E-40	8.57E-39
LINC01070	-3.368621584	2.710436969	1.58E-40	1.00E-38
AC145343.1	3.103796519	6.965023435	4.05E-40	2.52E-38

AC004490.1	-2.071542736	4.253852008	4.81E-40	2.97E-38
TFAP2A-AS1	3.115507337	6.173830382	7.81E-40	4.73E-38
AC026992.1	-2.340195552	4.363950419	7.97E-40	4.79E-38
VPS9D1-AS1	2.997407654	9.028853839	1.49E-39	8.88E-38
AC134312.1	-2.537447083	4.072057263	1.53E-39	9.06E-38
LINC01645	-2.627099559	4.09552905	1.74E-39	1.02E-37
C5orf64	-2.059870307	3.468620012	4.06E-39	2.37E-37
AL359378.1	-2.983558692	2.84751811	5.23E-39	3.02E-37
LINC01703	2.42866972	6.262487098	1.42E-38	8.04E-37
AP002856.2	-4.067407467	5.33960813	1.91E-38	1.08E-36
AC011294.1	4.961349681	7.238667692	1.97E-38	1.10E-36
DDN-AS1	2.656748037	6.708494514	2.80E-38	1.56E-36
LINC02570	-3.328269807	3.696954837	4.65E-38	2.57E-36
LINC01271	2.643625544	6.024986683	5.96E-38	3.25E-36
U62317.2	2.922512693	8.593822752	6.10E-38	3.31E-36
LINC00857	2.39273123	8.817811126	6.25E-38	3.37E-36
AC025271.4	-2.167785351	5.02279224	6.89E-38	3.69E-36
AC007182.1	-2.617612666	3.914764343	7.49E-38	3.97E-36
AC105219.4	2.750187148	6.88922637	1.01E-37	5.33E-36
AL157838.1	2.37506155	7.38836361	1.52E-37	7.93E-36
AC083837.1	-2.034216803	6.73607741	1.69E-37	8.73E-36
BLACAT1	3.010277597	8.992837442	1.99E-37	1.02E-35
AC090502.1	6.889652509	6.691804274	2.25E-37	1.15E-35
AC084880.3	-2.774503754	3.131354547	3.13E-37	1.57E-35
LINC00844	-2.810330981	3.130799669	3.64E-37	1.82E-35
AC090796.1	-2.826221479	4.232862808	5.25E-37	2.59E-35
AL390036.1	-2.057266319	4.480549276	8.46E-37	4.13E-35
CADM3-AS1	-2.185255743	6.109391439	1.04E-36	5.06E-35
WASIR2	3.466830434	5.909926489	2.28E-36	1.10E-34
AC015921.1	3.214814287	5.984864365	3.20E-36	1.54E-34
AL136369.1	-3.311187746	3.803572122	5.03E-36	2.41E-34
LINC01985	-2.521557526	3.164452227	5.49E-36	2.61E-34
TDRKH-AS1	2.085513728	6.88024878	8.48E-36	3.99E-34
AP003559.1	3.588904758	6.320670847	9.18E-36	4.30E-34
LINC02104	-2.064121934	4.005847934	9.41E-36	4.38E-34
AC133785.1	6.779471269	6.17013067	2.24E-35	1.04E-33
AC105046.1	-2.290343528	4.619673298	3.18E-35	1.47E-33
AC104257.1	-3.326743504	3.345595195	3.57E-35	1.64E-33
AL008628.1	-2.05360638	3.195484561	5.12E-35	2.31E-33
SNHG4	2.215891363	8.001905906	5.51E-35	2.47E-33

LINC02535	4.483651462	6.099753879	7.93E-35	3.55E-33
Z84485.1	2.267035738	6.467740766	8.31E-35	3.70E-33
LINC00896	3.307162616	6.363339076	8.61E-35	3.81E-33
LINC00211	-2.236690384	3.49385206	1.13E-34	5.00E-33
AL365356.5	5.174741059	5.901770954	1.16E-34	5.08E-33
AF131215.7	-2.211087117	4.302297063	1.62E-34	6.99E-33
AC013731.1	2.126890502	5.148089804	2.04E-34	8.75E-33
AC007128.1	5.456911263	6.512192597	2.13E-34	9.12E-33
AL365356.4	4.518185829	5.635964045	5.07E-34	2.14E-32
AL391056.1	4.452248547	8.460954416	9.42E-34	3.93E-32
AC100793.4	-2.177870939	3.869377131	9.45E-34	3.93E-32
KC877392.1	-2.328373369	2.871210494	1.13E-33	4.66E-32
AGAP11	-2.011064057	4.079366776	1.31E-33	5.41E-32
AC010998.1	-2.765240885	4.61358387	1.45E-33	5.96E-32
AL121832.3	2.254938955	6.556144827	1.77E-33	7.24E-32
AC009065.2	3.963254656	7.75149718	1.83E-33	7.45E-32
LINC01412	-2.119087136	3.16127881	2.03E-33	8.20E-32
AL133215.2	2.079944053	5.424879144	2.98E-33	1.19E-31
AC015849.5	3.707215083	5.868323306	3.40E-33	1.36E-31
BBOX1-AS1	5.639787338	7.641855082	3.69E-33	1.47E-31
LINC01426	2.538872437	9.131042981	4.88E-33	1.92E-31
AC084864.1	3.24826853	4.102216909	5.54E-33	2.17E-31
AC016773.1	2.072668012	6.055544342	1.41E-32	5.52E-31
AC009065.5	4.064389745	7.628171578	1.51E-32	5.83E-31
LINC02332	3.937597779	4.154040798	2.78E-32	1.07E-30
AC010719.1	2.881437905	6.703165626	4.32E-32	1.64E-30
LINC01616	-3.12545157	3.148619434	5.26E-32	1.97E-30
AC016205.1	3.912848008	6.563636936	5.63E-32	2.10E-30
AC092691.1	-2.913935936	4.363208686	5.75E-32	2.13E-30
LINC01614	3.782121938	7.713691699	1.63E-31	5.93E-30
SLC2A1-AS1	2.410315664	6.58992627	2.46E-31	8.90E-30
LINC00862	3.798353	6.173639413	2.56E-31	9.23E-30
AC027228.2	3.948985524	7.497246084	2.88E-31	1.03E-29
AC244153.1	-2.31861807	6.932399568	3.47E-31	1.24E-29
AC025580.1	4.134283407	8.62957893	3.83E-31	1.36E-29
NPSR1-AS1	5.723467175	5.107605516	5.19E-31	1.84E-29
AL645608.9	3.996707004	5.526004735	6.02E-31	2.11E-29
AL354719.2	4.098121113	8.202226073	6.56E-31	2.28E-29
AC020663.2	2.598955406	5.704049253	8.35E-31	2.87E-29
AC026250.1	2.223685136	6.388325052	1.01E-30	3.46E-29

AL139412.1	4.211164075	5.519069764	1.09E-30	3.70E-29
CLDN10-AS1	6.542779442	7.480571646	1.12E-30	3.81E-29
AC092834.1	-2.766346584	3.207549916	1.47E-30	4.96E-29
CYP4A22-AS1	2.588827342	5.152461225	1.72E-30	5.79E-29
AL354707.1	3.049451724	7.717872404	2.38E-30	7.89E-29
AL161740.1	-3.077999996	2.890291052	2.84E-30	9.39E-29
AC138904.1	3.19746916	6.39984768	4.12E-30	1.36E-28
AL365181.3	4.554895995	10.41704466	4.35E-30	1.43E-28
AC002398.2	-2.371537676	2.907278379	5.04E-30	1.64E-28
PGM5-AS1	-2.264509064	3.779481776	5.70E-30	1.85E-28
AL096865.1	2.223061221	5.611501879	6.72E-30	2.17E-28
LINC01711	3.885806142	5.148215243	7.43E-30	2.38E-28
AP005233.2	6.114814158	6.369287963	1.10E-29	3.48E-28
AC092115.3	2.875885007	5.141764788	1.45E-29	4.54E-28
AC099850.3	2.52547339	7.761852165	1.48E-29	4.60E-28
C2orf48	3.028751823	6.094438056	1.74E-29	5.39E-28
AP001189.5	-2.121059882	2.902659904	2.30E-29	7.10E-28
AL365181.2	5.407089154	9.039814553	2.43E-29	7.48E-28
AC007128.2	6.074587448	4.956169309	3.67E-29	1.11E-27
AP000553.2	2.887834072	5.006711621	3.78E-29	1.14E-27
LINC01460	3.924255656	6.986744844	9.41E-29	2.81E-27
LINC02159	4.231708719	7.612688472	1.38E-28	4.08E-27
AC007639.1	3.547920337	4.168457747	1.80E-28	5.28E-27
LINC02362	2.650970889	7.978295939	2.20E-28	6.41E-27
AC091057.3	2.337883122	4.809659263	2.55E-28	7.40E-27
AP003469.2	2.797301781	5.438367293	2.70E-28	7.79E-27
DGCR9	3.109565992	7.475737782	3.50E-28	1.00E-26
LINC01012	2.011313654	6.36880087	3.78E-28	1.08E-26
AL445524.1	2.90779266	9.770524555	5.30E-28	1.49E-26
AL096828.3	2.103467658	5.68773847	5.74E-28	1.61E-26
AL354861.3	-2.368698871	3.309897057	8.06E-28	2.25E-26
SLC12A9-AS1	2.244108438	5.637394565	8.73E-28	2.43E-26
AC097358.2	3.109384415	4.002827487	9.10E-28	2.52E-26
AL079303.1	3.398514012	7.07673188	1.15E-27	3.15E-26
AC009005.1	2.199378027	8.021128067	1.33E-27	3.65E-26
FO393415.1	-2.296638408	3.895695338	1.67E-27	4.56E-26
AC022784.1	4.647444856	7.130164284	2.43E-27	6.58E-26
AL135902.2	-2.297091197	2.670073686	2.50E-27	6.74E-26
LINC00942	6.646567783	9.799345926	3.37E-27	9.03E-26
KCNMB2-AS1	5.561239942	7.73824	4.36E-27	1.15E-25

U62317.5	2.901810232	6.695064704	4.97E-27	1.31E-25
AL138760.1	5.326400078	5.089913644	5.12E-27	1.34E-25
AL590666.2	3.875839909	7.784186999	5.17E-27	1.35E-25
AC097537.1	-3.082594787	2.621980203	6.63E-27	1.72E-25
U52111.1	2.324981608	6.097714749	7.29E-27	1.89E-25
HOXC-AS2	5.137758666	6.051018333	1.06E-26	2.72E-25
LINC01607	2.528623489	6.532422491	1.38E-26	3.53E-25
AC104024.2	3.407596442	6.52578825	1.47E-26	3.72E-25
LINC01705	3.916670384	5.260169962	1.52E-26	3.85E-25
AC025470.2	-2.32791124	2.939276164	1.59E-26	4.02E-25
AC138393.3	2.125170849	4.921782875	1.86E-26	4.67E-25
AL031599.1	-2.376258153	3.039033314	1.86E-26	4.67E-25
AL353693.1	5.156187547	4.843164873	1.89E-26	4.72E-25
LINC01833	6.732352161	7.457953316	2.15E-26	5.33E-25
LINC02544	3.631042758	6.052304549	2.65E-26	6.52E-25
AP002957.1	4.218409502	5.601739117	2.96E-26	7.29E-25
MGAT3-AS1	-2.38517456	3.657822004	3.04E-26	7.46E-25
LINC02473	4.175411045	4.16035343	3.45E-26	8.43E-25
AC245041.2	-2.359990431	8.226729122	3.52E-26	8.57E-25
AC007285.2	2.309452852	4.304955306	3.86E-26	9.37E-25
AC105206.1	-2.919107183	4.201135933	3.89E-26	9.40E-25
LINC00629	3.518192047	4.567817417	4.27E-26	1.02E-24
AL163953.1	5.277061439	4.145051109	4.57E-26	1.09E-24
AC104260.1	-2.116052534	2.62843691	5.17E-26	1.23E-24
AP003064.2	-2.419574318	4.531409943	6.46E-26	1.52E-24
AC012349.1	-2.392119061	3.483757151	9.15E-26	2.12E-24
AC024257.1	-2.147736967	3.67379942	9.22E-26	2.14E-24
AC013457.1	-3.09768434	6.91070063	1.45E-25	3.33E-24
AC099066.2	2.978140152	5.457375692	1.68E-25	3.82E-24
AC011503.2	2.005012343	7.186785232	1.86E-25	4.17E-24
LINC00628	3.644243347	3.959740319	2.06E-25	4.62E-24
LINC00624	2.291287632	7.082737396	3.19E-25	7.08E-24
AC008496.2	4.511797116	6.279689839	3.22E-25	7.13E-24
AL450992.2	2.047609194	9.06725468	5.42E-25	1.19E-23
AL354714.3	-2.788853475	4.2227974	6.08E-25	1.33E-23
LINC01395	4.958446669	5.178444887	6.80E-25	1.48E-23
AC079089.1	3.267007123	5.290459518	6.96E-25	1.50E-23
AC093249.2	2.042466404	4.371682314	7.68E-25	1.65E-23
AC093904.4	3.85159907	6.776428933	8.26E-25	1.77E-23
LINC00887	4.034636098	5.938474105	9.24E-25	1.97E-23

LINC02003	4.153109288	4.184076019	1.04E-24	2.20E-23
AC005256.1	6.789817981	4.877110689	1.07E-24	2.26E-23
AP002498.1	4.153445573	6.833890223	1.42E-24	2.98E-23
LINC00880	3.437645101	6.044761783	1.66E-24	3.47E-23
AC106900.2	4.604296705	5.022794141	2.16E-24	4.49E-23
AL109615.3	3.005997622	8.824409753	2.40E-24	4.96E-23
LINC02474	4.806498167	7.725187097	2.63E-24	5.38E-23
AC005324.1	-2.849534637	2.865462374	3.14E-24	6.39E-23
AC090844.3	-2.095902886	3.155518889	3.15E-24	6.40E-23
AC093904.2	3.529079886	5.001449897	3.58E-24	7.26E-23
LINC00525	3.477334167	5.46616467	3.60E-24	7.27E-23
LINC00461	4.106325477	4.571363613	4.03E-24	8.10E-23
LINC01348	2.681779522	7.745987574	4.13E-24	8.29E-23
AP000424.1	3.825304869	4.209461815	6.83E-24	1.36E-22
VAC14-AS1	2.583684946	5.799386021	7.48E-24	1.49E-22
AC079062.1	6.747406532	9.70093376	1.05E-23	2.07E-22
AC099509.1	3.745676869	6.789676634	1.10E-23	2.16E-22
AC107959.3	2.379196958	6.503770115	1.41E-23	2.74E-22
AC090673.1	3.182987851	6.253359051	1.44E-23	2.81E-22
AC120498.4	5.62628724	5.074467231	2.15E-23	4.17E-22
AF127936.2	3.050305602	4.881200686	2.38E-23	4.61E-22
LINC01993	2.854268449	5.754388302	3.27E-23	6.30E-22
RMDN2-AS1	2.68114166	5.862026412	3.49E-23	6.69E-22
MNX1-AS2	2.989021471	5.314957033	3.74E-23	7.13E-22
LINC02081	3.01592355	7.149754921	4.10E-23	7.81E-22
LINC00665	2.382257732	11.21086097	4.27E-23	8.10E-22
AL355312.3	2.820613504	8.276829211	4.70E-23	8.87E-22
AC010776.2	-2.660067638	5.167468431	4.91E-23	9.24E-22
AC023301.1	4.354473481	5.914151254	7.09E-23	1.32E-21
AC087392.2	-2.028441269	3.738057998	1.00E-22	1.87E-21
AL033397.2	4.21877973	6.058404227	1.04E-22	1.92E-21
AC025031.4	2.18891395	5.626792037	1.05E-22	1.94E-21
LINC01983	3.835961286	6.352924715	1.20E-22	2.20E-21
LINC00337	2.919322952	6.179642611	1.42E-22	2.59E-21
MYOSLID	3.48097758	7.626292746	1.42E-22	2.59E-21
AC233280.1	2.348898253	4.288840054	1.45E-22	2.63E-21
AC111149.2	4.462758341	7.1432293	1.56E-22	2.82E-21
AC005865.1	3.035610457	5.309855702	1.63E-22	2.94E-21
AC011352.3	4.773413827	3.846527426	1.65E-22	2.96E-21
AC078923.1	4.044135965	5.736709129	1.85E-22	3.32E-21



AC236972.3	-2.42480988	6.694637693	2.12E-22	3.78E-21
AC093895.1	3.742081615	6.199463219	2.14E-22	3.81E-21
TRIM31-AS1	2.469822743	6.088777571	2.30E-22	4.09E-21
AP000251.1	3.478432818	5.301093864	2.50E-22	4.41E-21
AC087269.1	3.889373143	5.913908364	2.52E-22	4.44E-21
AL049539.1	3.102364583	3.91447913	3.18E-22	5.52E-21
AL078587.1	2.486200507	4.507322441	3.20E-22	5.56E-21
STK32A-AS1	3.119559705	6.871132985	3.89E-22	6.71E-21
AL731533.2	2.304438782	5.270213431	4.37E-22	7.51E-21
FRGCA	3.750672519	5.241222024	4.72E-22	8.11E-21
AC016877.3	3.192462099	4.920118565	5.29E-22	9.04E-21
F11-AS1	-2.215961589	5.352696856	5.65E-22	9.62E-21
AL353152.1	-2.183851578	3.389128711	5.91E-22	1.01E-20
AL133153.2	2.497282864	3.59607224	6.18E-22	1.05E-20
AL034399.2	4.231864216	4.254492092	7.69E-22	1.30E-20
CASC16	4.284371681	4.701259003	7.72E-22	1.30E-20
AL138789.1	5.004286334	4.37966069	8.09E-22	1.36E-20
LINC01208	4.123265826	3.836300543	1.02E-21	1.70E-20
AC079467.1	-2.260310942	7.266879154	1.20E-21	1.99E-20
AL158847.1	-2.217395397	3.200430553	1.39E-21	2.30E-20
LINC02576	2.28798307	5.787013878	1.48E-21	2.43E-20
UCA1	5.77024725	9.377769036	2.19E-21	3.58E-20
AC007750.1	2.062140258	5.535043295	2.36E-21	3.84E-20
LINC00160	3.628931995	5.25735444	2.65E-21	4.31E-20
AC061975.6	6.584106301	5.846499533	2.85E-21	4.63E-20
AL589765.6	2.252847199	4.443004037	3.08E-21	4.99E-20
AC113346.1	4.310131633	3.951543776	3.37E-21	5.42E-20
AC239803.4	2.609356921	4.162937374	3.78E-21	6.05E-20
AL645608.3	3.488008812	5.553574765	3.98E-21	6.34E-20
AL844908.1	2.866583273	7.360377395	4.18E-21	6.66E-20
AL031058.1	2.186317179	7.363277312	4.48E-21	7.12E-20
AC009121.1	2.147340838	4.370762936	5.76E-21	9.09E-20
AC004832.1	-2.157836408	6.538383467	6.01E-21	9.44E-20
PTGES2-AS1	2.42464558	4.622630439	6.05E-21	9.49E-20
AL139420.1	3.914110109	3.684114541	6.97E-21	1.09E-19
LINC00866	2.851805791	4.175016165	8.57E-21	1.33E-19
LINC02560	2.986173619	7.300456914	1.18E-20	1.82E-19
LINC01842	3.565073326	5.834976827	1.46E-20	2.24E-19
AC053503.2	2.371165939	4.704816622	1.68E-20	2.57E-19
AL024508.2	2.036857313	7.061307811	1.86E-20	2.82E-19

AC120036.4	2.359840197	6.872803463	1.87E-20	2.83E-19
AC004221.1	2.951913792	3.577701209	1.96E-20	2.96E-19
AC015712.6	3.037231335	7.350248927	2.26E-20	3.39E-19
AC105118.1	4.419445172	5.579786494	2.37E-20	3.56E-19
AC046195.1	-2.385428109	7.087218487	2.48E-20	3.72E-19
ITGB1-DT	4.001893687	6.472888203	3.17E-20	4.70E-19
LINC01765	-2.430310877	5.497171702	3.47E-20	5.13E-19
AC134312.5	2.64931173	5.340217455	3.57E-20	5.28E-19
AC068724.1	2.286505502	3.427857036	3.70E-20	5.46E-19
AL772337.2	-2.719491949	3.497623576	3.78E-20	5.56E-19
LINC01303	2.500432204	5.869287799	3.83E-20	5.62E-19
AC006064.3	2.104735816	4.170622788	3.97E-20	5.81E-19
AC006159.1	-2.109625539	3.125443289	4.53E-20	6.61E-19
RNF144A-AS1	2.272674103	7.482381761	4.85E-20	7.06E-19
LINC01559	6.577758612	8.25058894	5.67E-20	8.22E-19
HOTAIR	6.838380968	6.648243949	6.50E-20	9.36E-19
AC024592.2	2.458112759	5.31528888	7.40E-20	1.06E-18
AC067930.5	2.364049151	5.031238927	7.44E-20	1.06E-18
AL121772.1	2.117875088	6.881443486	7.75E-20	1.11E-18
AC116025.2	2.995213633	3.662669944	8.07E-20	1.15E-18
AL352984.1	3.512865502	3.717057975	8.32E-20	1.18E-18
PCAT7	2.438612142	6.02407859	8.84E-20	1.25E-18
CALML3-AS1	3.330064015	6.391312356	8.98E-20	1.27E-18
AC013264.1	-2.011219663	6.797226688	9.12E-20	1.29E-18
AL118505.1	2.110635285	6.145891067	9.38E-20	1.32E-18
PKP4-AS1	2.445609762	7.130804874	9.43E-20	1.33E-18
AC022784.3	2.610834237	6.02358667	9.65E-20	1.36E-18
DUXAP8	2.659634898	8.641764128	9.88E-20	1.38E-18
STEAP2-AS1	3.187740874	3.862430744	1.05E-19	1.47E-18
AC226101.1	-2.02066511	3.002632449	1.20E-19	1.66E-18
LUCAT1	3.107471177	8.897260776	1.21E-19	1.67E-18
AC089999.2	2.153381323	4.424727834	1.23E-19	1.70E-18
LINC02086	4.05699629	6.885006746	1.24E-19	1.71E-18
AC079160.1	6.045656643	5.481504045	1.26E-19	1.73E-18
LHFPL3-AS2	-2.126318767	9.746478254	1.48E-19	2.03E-18
AC008875.1	2.020760895	5.450472596	1.68E-19	2.29E-18
AC016044.1	6.146507695	4.830280414	2.18E-19	2.95E-18
AC006329.1	2.354323653	7.790928528	2.38E-19	3.21E-18
AC254629.1	3.999425668	4.994884978	2.39E-19	3.22E-18
LINC00460	4.517552529	8.374418949	2.50E-19	3.36E-18

C20orf197	3.118216682	8.065491507	2.62E-19	3.51E-18
LINC02323	3.063039573	6.233706299	2.63E-19	3.53E-18
AC089983.1	4.308032251	5.937825577	2.64E-19	3.53E-18
U47924.1	2.204373573	3.769671829	3.00E-19	3.99E-18
CASC9	5.548933026	8.566908735	3.48E-19	4.57E-18
AC105219.2	2.981659008	4.322994264	3.75E-19	4.89E-18
AC099518.1	2.295083017	5.886947159	3.97E-19	5.18E-18
STAU2-AS1	2.027253043	6.004476742	4.61E-19	5.98E-18
BARX1-AS1	6.567999663	6.031934821	4.68E-19	6.07E-18
AL355076.2	2.033404043	4.472759944	5.05E-19	6.51E-18
AC026785.3	7.290001743	5.891752393	5.45E-19	7.02E-18
AC112721.2	3.317335752	4.627974159	5.71E-19	7.35E-18
AC243830.1	3.046229662	3.802469882	5.88E-19	7.55E-18
FAM83C-AS1	2.326948362	3.512729341	6.26E-19	8.01E-18
AC004870.2	4.603313553	5.783251724	6.29E-19	8.03E-18
HOXC13-AS	6.023953749	5.557927887	7.80E-19	9.90E-18
AC002076.1	4.139703563	4.740286196	8.13E-19	1.03E-17
AC084262.1	3.796563805	4.253580665	8.76E-19	1.11E-17
TRPM2-AS	3.520810885	7.000889406	9.22E-19	1.16E-17
AC108058.1	2.195082334	6.184250361	1.01E-18	1.26E-17
SATB2-AS1	2.90912887	4.370330631	1.15E-18	1.44E-17
AP001626.1	2.72268508	5.024561193	1.28E-18	1.59E-17
LINC02313	4.536008378	4.975860137	1.28E-18	1.60E-17
AC110285.6	2.41883343	4.714781081	1.30E-18	1.61E-17
LINC01168	-2.334343787	3.114355412	1.34E-18	1.66E-17
LINC02133	4.43691794	5.536456384	1.40E-18	1.73E-17
AC104248.1	2.823156533	4.782811243	1.53E-18	1.89E-17
AC068305.2	3.23276633	5.54244796	1.55E-18	1.91E-17
AC013652.1	2.430047416	6.760609016	1.57E-18	1.94E-17
LINC01597	4.22756732	7.955342922	1.64E-18	2.02E-17
LINC02163	6.053396325	4.959299929	1.72E-18	2.11E-17
LINC02122	4.679463465	5.185415257	1.84E-18	2.25E-17
AP005230.1	3.945649257	5.577075897	2.28E-18	2.78E-17
FIRRE	2.672739402	6.719665144	2.38E-18	2.90E-17
LINC00858	5.192525418	6.989517255	2.39E-18	2.91E-17
AL590644.1	5.032742057	5.252357753	2.89E-18	3.50E-17
AL590666.3	2.814287516	3.453947959	2.90E-18	3.51E-17
AC103740.2	3.865855995	4.09513081	3.18E-18	3.83E-17
AC105914.2	-2.704163869	3.614640339	3.22E-18	3.87E-17
LINC02029	4.026104844	4.274140482	3.43E-18	4.11E-17

AL136221.1	2.098424853	4.143692177	4.42E-18	5.27E-17
LINC01166	-2.392552662	3.34210169	4.67E-18	5.55E-17
LINC00501	5.327374707	5.786356351	5.04E-18	5.94E-17
AC026368.1	2.449310615	5.840027573	5.29E-18	6.21E-17
AL139420.2	4.138716628	2.992432405	5.35E-18	6.27E-17
DRAIC	3.794413559	9.927612559	5.60E-18	6.55E-17
AL138902.1	2.438096489	3.77712209	5.86E-18	6.85E-17
AC010328.1	3.420459229	4.631028905	5.91E-18	6.90E-17
AC103702.2	4.483487839	7.119864919	6.30E-18	7.34E-17
AL445471.1	2.191960159	4.196157066	6.38E-18	7.42E-17
AC009262.1	4.277959904	3.202205359	6.53E-18	7.59E-17
AC010789.1	5.574099441	4.897079565	6.87E-18	7.96E-17
AL606489.1	2.007698154	5.606931473	6.92E-18	8.02E-17
LINC01970	2.118195442	4.782306606	6.97E-18	8.06E-17
AC093390.1	-2.059806927	3.071743611	8.39E-18	9.59E-17
AC106882.1	2.452257317	4.957489656	8.50E-18	9.71E-17
AL645608.7	3.170625741	3.968313691	8.86E-18	1.01E-16
LINC02156	3.165096853	3.712610058	8.92E-18	1.01E-16
AL353807.2	2.284742368	3.354207609	9.07E-18	1.03E-16
LINC01926	3.48255235	3.490141013	9.88E-18	1.12E-16
CASC8	3.326668048	6.764756105	9.91E-18	1.12E-16
AC012640.1	2.290965585	3.35170137	1.11E-17	1.24E-16
AC011298.1	7.091666181	6.862281215	1.26E-17	1.40E-16
AL512413.1	2.066790482	5.075087214	1.41E-17	1.56E-16
AC104699.1	2.280280268	5.817663425	1.51E-17	1.66E-16
AC023794.1	2.128158711	5.31156429	1.51E-17	1.66E-16
AC006946.2	2.670487049	6.091269951	1.59E-17	1.74E-16
LINC01979	2.413826993	5.122903668	1.66E-17	1.82E-16
LINC00707	4.682208031	7.44122662	1.73E-17	1.89E-16
MIR4713HG	4.232493111	4.356477555	1.74E-17	1.89E-16
LINC00973	6.302295536	7.61148871	1.94E-17	2.11E-16
MAFA-AS1	4.134536063	5.022284816	2.21E-17	2.39E-16
AC117386.2	4.769067843	4.653768417	2.23E-17	2.40E-16
AP003390.1	2.252303005	4.981338652	2.27E-17	2.45E-16
LINC01748	4.924027967	6.50277614	2.32E-17	2.49E-16
AC004034.1	2.511015284	5.30871437	2.53E-17	2.70E-16
STPG3-AS1	2.139246057	5.865344593	2.87E-17	3.06E-16
AC061975.1	3.135734113	3.549760575	2.90E-17	3.09E-16
AC020891.2	4.440464814	4.153317635	3.05E-17	3.25E-16
AL031710.2	2.072337056	4.183886894	3.21E-17	3.40E-16

AC116049.2	5.183217133	3.929425365	3.68E-17	3.87E-16
AC108676.1	2.732860643	6.101842054	4.03E-17	4.23E-16
SALRNA1	2.652708422	5.355167697	5.30E-17	5.51E-16
AC023796.2	3.305971478	3.62773741	5.34E-17	5.55E-16
NAALADL2-AS2	5.123555517	5.519166901	5.97E-17	6.18E-16
AL139023.1	6.466919425	4.761651372	6.09E-17	6.29E-16
FAM222A-AS1	2.886268098	5.494662188	6.13E-17	6.33E-16
LINC02471	-2.242388481	6.857837469	6.26E-17	6.45E-16
AC083809.1	5.067424794	8.007428291	7.18E-17	7.35E-16
AC008870.3	2.61243646	3.302923235	7.59E-17	7.73E-16
AC073316.2	3.9242596	4.922225837	7.67E-17	7.80E-16
ELFN1-AS1	3.97048739	6.517918604	7.78E-17	7.89E-16
NOVA1-AS1	5.885372737	6.356189153	1.06E-16	1.07E-15
DLX6-AS1	4.552417105	7.270189271	1.14E-16	1.14E-15
AL157931.1	3.371158602	4.542936322	1.31E-16	1.30E-15
LINC00519	2.499562758	5.216949419	1.37E-16	1.36E-15
HOXC-AS3	5.854481822	5.603688996	1.39E-16	1.38E-15
LINC01561	3.244109479	4.554957544	1.41E-16	1.39E-15
HAGLROS	2.579440213	6.436632506	1.48E-16	1.46E-15
LINC01969	2.974094564	3.554052231	1.53E-16	1.50E-15
AC093281.2	3.970211928	3.553650179	1.54E-16	1.52E-15
LINC00466	4.312624625	3.512341212	1.63E-16	1.59E-15
AL356417.2	2.287865482	5.057551337	1.82E-16	1.78E-15
AC068189.1	2.448545408	3.173760863	1.85E-16	1.80E-15
AL358115.1	2.009275158	4.76400861	1.86E-16	1.81E-15
AL162431.1	2.782730938	4.296259557	1.94E-16	1.88E-15
LINC01214	5.822518676	5.317961614	2.02E-16	1.96E-15
ERVH48-1	4.849977395	9.088285031	2.04E-16	1.97E-15
AL355596.1	5.042897479	6.365642495	2.08E-16	2.00E-15
TTLL11-IT1	3.223818757	4.666519612	2.11E-16	2.03E-15
AC009275.1	2.50859286	6.15157641	2.15E-16	2.07E-15
RMST	-2.043478157	5.602089476	2.23E-16	2.14E-15
AL161618.1	-2.257737871	4.904468419	2.38E-16	2.28E-15
AL109761.1	2.598780501	4.553280415	2.42E-16	2.31E-15
AL513327.2	2.325384703	3.672920929	2.62E-16	2.50E-15
LINC01971	3.227944566	3.686136941	2.67E-16	2.54E-15
LINC02321	2.614211331	4.911812313	2.77E-16	2.62E-15
AC123023.1	-2.171656565	3.763161626	2.80E-16	2.65E-15
AC090164.3	3.736839685	4.065860136	2.85E-16	2.70E-15
AL391427.1	3.950584598	6.490648653	3.19E-16	3.00E-15

LINC01436	3.289012345	9.806375653	3.25E-16	3.05E-15
AC003965.2	2.198325511	5.04710967	3.59E-16	3.36E-15
LINP1	4.40533731	7.128178745	4.21E-16	3.93E-15
AC074327.1	2.124246054	4.720185669	4.24E-16	3.95E-15
MYO16-AS1	-2.301571571	6.214784051	4.46E-16	4.15E-15
AC092920.1	3.461464634	3.034475088	4.57E-16	4.23E-15
AL157400.2	3.120080959	3.066819964	4.67E-16	4.33E-15
CU639417.4	3.433776966	3.72649313	5.78E-16	5.30E-15
LINC02562	2.343707931	8.351262193	5.79E-16	5.31E-15
AC127164.1	2.159485237	5.379149484	6.11E-16	5.59E-15
LINC02324	2.732378892	3.575281256	6.30E-16	5.73E-15
LINC01978	2.212213812	4.817740119	6.99E-16	6.36E-15
AC128709.2	-2.26027605	3.391557609	7.12E-16	6.46E-15
AC092436.2	5.054069882	4.988270813	7.92E-16	7.18E-15
AL662890.1	2.755745245	4.361973499	8.42E-16	7.61E-15
AL049555.1	3.465294322	8.15830575	8.53E-16	7.70E-15
LINC01615	2.373892229	5.552998609	8.60E-16	7.76E-15
AC010275.1	4.761422486	4.451730444	8.90E-16	8.01E-15
EGOT	2.39267871	6.067994828	9.09E-16	8.17E-15
AC097468.1	2.054819319	6.059080369	9.72E-16	8.71E-15
LINC01775	2.407053616	3.38676704	9.83E-16	8.79E-15
AC022182.1	2.000063368	4.779513061	9.91E-16	8.85E-15
AP001574.1	2.787040797	5.767642173	1.09E-15	9.65E-15
LINC02043	2.479839805	3.709272723	1.27E-15	1.12E-14
AC006262.1	2.524926254	5.582341671	1.40E-15	1.23E-14
AC113404.1	-2.627491495	3.398643341	1.44E-15	1.26E-14
AC078820.1	3.287937852	4.649008751	1.58E-15	1.38E-14
AL117329.1	5.742411611	4.511534245	1.60E-15	1.40E-14
AL513123.1	5.187897115	3.912103932	1.61E-15	1.41E-14
AC128689.1	3.949084648	5.324222797	1.61E-15	1.41E-14
LINC01587	2.939823419	4.833272166	1.63E-15	1.42E-14
LINC01468	5.970047143	5.608430376	1.64E-15	1.42E-14
AC010595.1	5.714273371	4.365826284	1.72E-15	1.49E-14
LINC01393	2.132874316	5.285646703	1.75E-15	1.51E-14
AC129507.4	3.66592954	7.204334539	1.87E-15	1.61E-14
AC025575.2	5.097676479	6.638871409	1.96E-15	1.68E-14
AC122134.1	5.704699876	4.73587958	1.96E-15	1.69E-14
AC141930.1	2.721203864	5.47535679	1.97E-15	1.69E-14
AL133284.1	4.712500352	5.513603846	2.03E-15	1.75E-14
LINC00491	5.676348335	5.8779248	2.20E-15	1.88E-14

MIR9-3HG	2.795117967	8.816711539	2.25E-15	1.92E-14
AC104461.1	2.876828427	5.831373583	2.26E-15	1.92E-14
LINC02475	3.957860993	6.179659733	2.27E-15	1.93E-14
AC012213.1	5.388258609	4.695417751	2.30E-15	1.95E-14
LINC01234	5.602003254	7.146361552	2.59E-15	2.19E-14
AL356234.2	4.29379579	4.671540362	2.59E-15	2.20E-14
LINC01564	3.013732311	6.378659341	2.60E-15	2.20E-14
AC090192.2	4.520377174	4.03903327	2.63E-15	2.22E-14
AC112721.1	2.916591282	4.028490687	2.70E-15	2.28E-14
LINC00941	3.394462318	7.409864558	2.73E-15	2.30E-14
AL731684.1	4.00213758	3.767934073	2.73E-15	2.30E-14
LINC01792	3.515314308	3.573133805	2.79E-15	2.35E-14
AC141930.2	3.206279375	3.56741028	3.21E-15	2.69E-14
AC114489.1	4.056640519	3.960341526	3.35E-15	2.81E-14
AC012501.1	5.108033461	3.574315126	3.37E-15	2.82E-14
AC131009.2	3.824756527	3.748622628	3.75E-15	3.12E-14
LINC00626	3.545258062	3.902074501	4.21E-15	3.48E-14
LINC02387	3.412135581	4.935542789	4.43E-15	3.66E-14
LINC01876	2.236013351	6.991378825	4.44E-15	3.66E-14
LINC01968	2.652377849	3.341785311	4.50E-15	3.70E-14
LINC01843	2.41906803	7.0832655	4.53E-15	3.73E-14
AC122710.3	2.42673868	3.770360075	4.59E-15	3.77E-14
AC144450.1	2.647355594	5.68664584	4.71E-15	3.87E-14
LINC01305	5.061531626	4.462210551	4.87E-15	3.99E-14
AC020928.2	2.985019599	6.004441688	5.06E-15	4.14E-14
U62317.1	2.858504477	5.860706527	5.36E-15	4.39E-14
MIR137HG	5.00623439	4.927651217	5.37E-15	4.39E-14
AC005537.1	3.577978356	5.993988185	6.03E-15	4.93E-14
LINC01287	5.802154818	7.43471555	6.26E-15	5.11E-14
AC025166.1	2.441943404	3.25053706	6.47E-15	5.27E-14
AL133370.1	5.514179475	6.30103545	6.87E-15	5.59E-14
AC010168.1	2.265884868	4.631801549	7.13E-15	5.77E-14
AC100791.2	3.433470772	3.098052518	7.36E-15	5.96E-14
APCDD1L-AS1	3.292233685	6.292988014	7.46E-15	6.03E-14
AC090627.1	4.067016374	4.43956066	7.56E-15	6.10E-14
AL022324.3	3.541317989	3.25899533	7.60E-15	6.12E-14
AL391845.2	2.080476273	4.35633958	8.09E-15	6.50E-14
LINC02418	7.579426437	8.327085587	8.28E-15	6.64E-14
AP004608.1	3.001684287	9.4944661	8.37E-15	6.71E-14
FNDC1-IT1	2.998468616	3.148708161	8.87E-15	7.11E-14

AC012531.1	3.477819483	4.745165822	9.08E-15	7.27E-14
AC011352.1	3.574728836	3.251205233	9.42E-15	7.51E-14
LINC02015	2.759637472	6.830999213	9.83E-15	7.82E-14
LINC01213	3.851934849	3.942722177	1.01E-14	7.98E-14
LINC02065	3.318056094	3.425126607	1.03E-14	8.15E-14
AC040174.1	4.376754947	4.594853622	1.05E-14	8.27E-14
AC126696.3	2.996400645	3.316271215	1.05E-14	8.30E-14
AC025176.1	2.057881769	3.890386874	1.11E-14	8.73E-14
AC026462.3	5.405271539	4.358012783	1.17E-14	9.22E-14
LINC01611	5.683293257	4.125892925	1.20E-14	9.41E-14
AC087667.1	3.327175338	4.592705462	1.21E-14	9.50E-14
AC034206.1	3.757819667	4.247092713	1.27E-14	9.90E-14
HOXA11-AS	4.413228344	5.369668941	1.40E-14	1.09E-13
AC019155.3	4.940862793	5.171939742	1.48E-14	1.15E-13
LEMD1-AS1	2.269748943	4.771470598	1.52E-14	1.18E-13
POU6F2-AS2	6.215257277	5.2230538	1.55E-14	1.20E-13
LINC00582	2.01810637	5.199235767	1.61E-14	1.24E-13
AC005993.1	4.840145814	5.349857905	1.63E-14	1.26E-13
AC125603.2	4.813561862	7.396695041	1.95E-14	1.49E-13
AC010343.3	4.213862983	4.347040294	1.96E-14	1.50E-13
LINC00682	5.360026761	4.084070763	2.04E-14	1.56E-13
AC114803.1	4.16694442	3.004324614	2.08E-14	1.59E-13
AL445183.2	3.377083125	6.108601464	2.21E-14	1.68E-13
LINC00342	2.046933782	11.0160875	2.23E-14	1.69E-13
LINC02398	3.318100102	4.75279019	2.28E-14	1.73E-13
AC083973.1	2.541030394	4.211553541	2.47E-14	1.87E-13
LINC01518	6.012042855	4.672913234	2.63E-14	1.99E-13
IGFL2-AS1	4.217666269	5.729337377	3.10E-14	2.33E-13
AC025431.1	-2.042390692	2.779847604	3.47E-14	2.60E-13
AC004264.1	2.05907896	6.03197703	3.49E-14	2.61E-13
AC108451.2	4.063078982	5.512318821	3.50E-14	2.62E-13
AL590004.4	2.676104226	7.716055933	3.57E-14	2.67E-13
AC120042.3	4.696806129	6.312373659	3.80E-14	2.83E-13
AL049874.3	3.12499654	3.545539819	3.97E-14	2.95E-13
LINC02428	4.322331407	4.253826016	4.21E-14	3.11E-13
C10orf91	2.088023604	6.218377326	4.44E-14	3.28E-13
AL035252.2	3.430980334	4.922232759	4.56E-14	3.36E-13
AP000977.1	2.128804324	3.855043835	4.79E-14	3.52E-13
AC244205.1	2.20997441	5.347804253	4.94E-14	3.62E-13
AP003500.1	3.800353392	3.562635336	5.38E-14	3.93E-13



AC015909.1	2.450246059	3.782453116	5.45E-14	3.98E-13
AF127577.3	6.018358584	5.198320664	5.61E-14	4.08E-13
AC021087.4	3.175816384	3.706695934	5.64E-14	4.10E-13
SYNPR-AS1	2.124398098	6.639865138	6.37E-14	4.60E-13
FP325330.3	4.621134106	3.428275518	6.38E-14	4.60E-13
AC022098.2	2.756151069	6.111046655	6.46E-14	4.65E-13
SRGAP3-AS2	-2.264937584	8.276951642	6.69E-14	4.81E-13
AC026355.2	4.562508193	3.485775028	6.74E-14	4.84E-13
AC246793.1	3.359437667	3.484667013	6.85E-14	4.91E-13
AL049836.1	2.06820641	5.501921973	7.00E-14	5.00E-13
AC027627.1	3.517112588	2.904756655	7.77E-14	5.54E-13
AP000526.1	3.195830035	3.464508351	7.82E-14	5.57E-13
AC090125.1	4.036804808	3.524081287	8.17E-14	5.81E-13
HOXC-AS1	3.266209609	4.838663149	8.70E-14	6.18E-13
AL359764.1	4.068277213	4.27631565	8.70E-14	6.18E-13
AC092484.1	5.014194945	5.186323903	9.27E-14	6.57E-13
LINC02490	4.960116002	3.645194079	9.94E-14	7.03E-13
LINC00676	10.08056313	8.784148488	9.98E-14	7.04E-13
AL139385.1	2.157764324	6.561637035	9.98E-14	7.04E-13
AC122710.2	2.025566959	3.804128617	1.00E-13	7.05E-13
AC116345.1	5.079957555	5.625311525	1.01E-13	7.12E-13
AC024901.1	2.838876685	5.253255149	1.02E-13	7.16E-13
AL589642.2	4.673712166	3.385621597	1.02E-13	7.17E-13
LINC00518	4.492283543	3.323565502	1.06E-13	7.45E-13
AC022148.1	3.410100434	5.774331505	1.08E-13	7.56E-13
AL354993.2	3.329321849	4.557351278	1.12E-13	7.85E-13
AC136475.3	2.189129608	10.19043241	1.16E-13	8.10E-13
AC022733.1	4.562838375	7.823857141	1.19E-13	8.30E-13
AC009097.2	2.126604604	3.562583432	1.20E-13	8.31E-13
AC010894.3	3.217990871	6.360041405	1.20E-13	8.34E-13
AL022341.2	2.208707061	4.585928544	1.26E-13	8.70E-13
AC012213.4	4.881346254	4.356050674	1.35E-13	9.31E-13
LINC00165	-2.33574856	4.019110315	1.40E-13	9.66E-13
AC022784.8	2.436357768	4.019871662	1.48E-13	1.02E-12
LINC00567	3.871248058	5.542566839	1.51E-13	1.04E-12
AC024560.1	2.474100476	4.544066919	1.59E-13	1.09E-12
DPP10-AS1	3.26653911	7.334514624	1.61E-13	1.10E-12
LINC02257	2.229329848	8.04991518	1.71E-13	1.17E-12
AC087045.2	2.162417301	4.314186473	2.21E-13	1.49E-12
AC005330.1	2.427733224	4.817224123	2.53E-13	1.70E-12

LINC02365	3.273218313	5.237154419	2.69E-13	1.80E-12
AL122019.1	3.830668929	3.819832061	2.71E-13	1.82E-12
PLAC4	4.334889656	9.049703047	2.76E-13	1.85E-12
AF015262.1	3.628346179	3.117726406	2.78E-13	1.86E-12
AC106799.1	4.495048605	3.188045666	3.04E-13	2.03E-12
AC114488.1	2.193571694	5.12057652	3.28E-13	2.19E-12
SSTR5-AS1	5.328297065	5.73142786	3.42E-13	2.27E-12
AL049830.3	2.365524459	4.471939438	3.53E-13	2.34E-12
AC008406.3	3.003979759	3.132784342	3.58E-13	2.38E-12
LINC01633	5.107778467	3.73355547	3.59E-13	2.38E-12
LNX1-AS2	2.038040167	3.793530804	3.66E-13	2.42E-12
AC092535.1	2.240514584	4.866675654	3.66E-13	2.42E-12
AC007368.1	4.0626124	5.454591724	3.68E-13	2.43E-12
AL596223.1	3.402981349	4.426350373	3.74E-13	2.47E-12
AC008083.1	2.359338074	3.972094073	3.79E-13	2.50E-12
AC027281.1	-2.053887494	5.093700014	3.98E-13	2.62E-12
AC211433.1	2.211315539	5.598140234	4.03E-13	2.65E-12
PANCR	5.664365085	4.141561233	4.06E-13	2.67E-12
AC097625.1	2.862982512	4.26316753	4.08E-13	2.67E-12
BCAR4	6.440293169	6.511124103	4.18E-13	2.74E-12
LINC02036	2.058355247	6.785236444	4.86E-13	3.16E-12
AC087273.1	3.798373693	3.01629803	4.98E-13	3.23E-12
AC110619.1	2.078737722	7.489368264	5.08E-13	3.29E-12
LUARIS	2.239728399	3.765975962	5.57E-13	3.60E-12
AP002754.1	2.383367633	5.422325261	5.59E-13	3.61E-12
AC021218.1	3.200111485	6.618165572	5.86E-13	3.78E-12
AL355916.1	2.95563329	8.593412449	6.03E-13	3.88E-12
AP003031.1	2.581534543	3.228644509	6.15E-13	3.95E-12
LINC01807	5.154206734	4.772869569	6.45E-13	4.14E-12
AL354861.2	2.488124125	3.135423925	6.70E-13	4.28E-12
AP003900.1	5.861169111	4.117539479	6.88E-13	4.39E-12
LINC01511	5.854496484	7.054723644	6.91E-13	4.40E-12
AC109446.3	2.669327741	6.281850125	7.73E-13	4.91E-12
AC106799.2	5.176728282	4.169796178	8.93E-13	5.61E-12
AC004149.1	3.026226575	3.659182077	9.91E-13	6.20E-12
LINC01385	5.496050631	4.011054453	1.23E-12	7.67E-12
AC008063.1	2.125920463	5.705943991	1.31E-12	8.11E-12
AL133325.3	5.578640156	4.347241546	1.35E-12	8.32E-12
AL138720.1	2.180962928	4.044011749	1.39E-12	8.56E-12
AC020891.3	3.301864848	2.623265776	1.39E-12	8.56E-12

AP000696.1	4.078545587	3.590082929	1.41E-12	8.64E-12
MIR31HG	3.581461934	5.670017747	1.45E-12	8.90E-12
AL022313.2	2.855433104	5.096610571	1.47E-12	8.98E-12
AC023421.1	4.935735659	9.436780226	1.53E-12	9.30E-12
AC106785.2	6.001335684	4.562771078	1.56E-12	9.46E-12
AP000525.1	2.07904602	4.781025954	1.64E-12	9.97E-12
AC010735.1	2.794044777	4.254414929	1.65E-12	9.99E-12
AC106799.3	5.102726756	4.985807497	1.67E-12	1.01E-11
AC098936.1	2.171535493	3.685219506	1.71E-12	1.03E-11
AP000424.2	2.343691821	3.372733438	1.78E-12	1.07E-11
LINC00824	4.277801009	6.158804978	1.89E-12	1.14E-11
AL606970.1	4.535570023	5.237486312	1.90E-12	1.14E-11
AC079466.1	7.124121385	6.177066718	1.99E-12	1.19E-11
AC010735.2	2.165431581	5.949072571	2.08E-12	1.24E-11
MIR2052HG	3.764421705	4.999930385	2.16E-12	1.29E-11
AL033397.1	5.733372227	9.54554015	2.29E-12	1.37E-11
AC023090.1	2.729982204	4.639991721	2.30E-12	1.37E-11
LINC01804	5.056505506	4.969812658	2.34E-12	1.40E-11
AC106772.1	2.839641633	2.741174438	2.39E-12	1.42E-11
LINC01269	2.242548148	5.834634697	2.47E-12	1.46E-11
POU6F2-AS1	4.173659213	3.208576356	2.57E-12	1.52E-11
AC093833.1	3.56354076	2.726113716	2.65E-12	1.57E-11
AL121827.2	2.63265096	5.902490941	2.65E-12	1.57E-11
AC100826.1	5.154107995	6.231686789	2.68E-12	1.58E-11
AC245100.6	2.979408255	3.339474246	2.85E-12	1.67E-11
MAGEA10-MAG EA5	3.412648266	3.58901741	2.99E-12	1.75E-11
AC087379.1	3.949897848	4.155839712	3.02E-12	1.77E-11
MIR548XHG	6.39703444	5.05140797	3.10E-12	1.81E-11
AC244250.1	3.178045431	2.803760995	3.20E-12	1.87E-11
AC093515.1	4.488375128	4.006826742	3.38E-12	1.96E-11
PURPL	4.117982965	5.992176028	3.46E-12	2.01E-11
AL162411.1	2.542262948	4.787484867	3.61E-12	2.08E-11
AC005996.1	3.143289	3.860406039	3.79E-12	2.18E-11
AC005291.2	3.410708077	4.547392043	3.81E-12	2.20E-11
LINC00251	4.15647643	3.004535806	4.00E-12	2.30E-11
AL136537.2	6.111702361	5.289627038	4.25E-12	2.43E-11
LINC01687	4.595261915	3.251094144	4.30E-12	2.45E-11
AC007405.2	2.847862159	3.263085126	4.43E-12	2.52E-11
AC069277.1	4.210153758	5.012603944	4.46E-12	2.54E-11

AC011632.1	4.967366155	5.872384877	4.60E-12	2.61E-11
MYCNOS	3.707588904	4.544658781	4.64E-12	2.63E-11
AC117402.1	3.080013	6.715765101	4.93E-12	2.79E-11
LINC01980	6.293723262	6.373496355	5.00E-12	2.82E-11
HOXA10-AS	4.249562391	3.888812691	5.11E-12	2.88E-11
LINC02466	5.177678476	3.617700442	5.26E-12	2.96E-11
AC138305.1	3.507871422	4.052395758	5.26E-12	2.96E-11
DSCAM-AS1	8.035038099	10.59046819	5.27E-12	2.96E-11
AC246787.2	2.149687902	4.270389917	5.40E-12	3.03E-11
LINC02293	4.444528569	4.329235069	5.66E-12	3.17E-11
AC114296.1	3.123299647	3.795697137	5.66E-12	3.17E-11
AL121904.1	3.501101535	4.933652223	6.10E-12	3.41E-11
Z99943.1	2.358544814	4.424901454	6.23E-12	3.48E-11
LINC02109	4.567073454	4.288294846	6.35E-12	3.54E-11
LHX1-DT	5.780303325	4.990320213	6.37E-12	3.55E-11
LINC02048	4.0976594	3.969663786	6.40E-12	3.56E-11
ERVK-28	3.318239518	3.209873774	6.52E-12	3.62E-11
AC003092.1	5.298505722	5.858161359	6.81E-12	3.78E-11
AC114316.2	3.532051269	4.857277246	6.83E-12	3.79E-11
LINC01194	6.208020924	6.118645223	6.93E-12	3.84E-11
AC008268.1	-2.059900375	9.647965095	7.66E-12	4.23E-11
AP005328.1	3.60706473	4.188892896	7.70E-12	4.25E-11
AC093520.1	2.164997249	3.985575603	7.80E-12	4.31E-11
AP003472.1	2.368317987	4.058230219	7.81E-12	4.31E-11
AC021594.1	2.988301647	3.38217239	8.00E-12	4.40E-11
SAMSN1-AS1	3.238625796	4.131239543	8.49E-12	4.66E-11
LINC02178	5.898165196	4.310793806	8.54E-12	4.69E-11
HOXB-AS4	4.221840128	4.406862489	8.72E-12	4.78E-11
AL023755.1	3.435037098	2.92767962	9.04E-12	4.94E-11
LINC00659	3.835326055	4.268807934	9.29E-12	5.07E-11
LINC00536	3.323145605	2.812047048	9.46E-12	5.16E-11
AC097512.1	5.182903586	3.769415493	9.71E-12	5.28E-11
AC007848.1	3.57522832	5.012916044	9.86E-12	5.36E-11
H19	3.48727726	13.56721577	1.03E-11	5.59E-11
BX005040.1	-2.205447644	3.416588642	1.05E-11	5.67E-11
LINC01224	2.643707519	7.498965833	1.05E-11	5.68E-11
AL353770.4	-2.150007604	3.96067341	1.07E-11	5.80E-11
AL359313.1	3.383356949	3.687729144	1.09E-11	5.89E-11
LINC02253	5.16497089	6.058281613	1.12E-11	6.02E-11
AC109454.3	3.728900505	4.248482301	1.14E-11	6.12E-11

AC079384.1	3.67884228	6.173640343	1.17E-11	6.29E-11
AC098798.1	4.475173931	3.731265254	1.17E-11	6.29E-11
AC007221.1	-2.021580919	2.811554729	1.18E-11	6.32E-11
AC239584.1	3.902009211	4.283307337	1.22E-11	6.54E-11
Z85994.1	3.079987049	3.439509847	1.24E-11	6.66E-11
LINC01583	2.291346253	3.693624953	1.30E-11	6.94E-11
LINC00898	4.586535851	3.902860256	1.37E-11	7.30E-11
AP003174.1	3.358424005	3.105601235	1.40E-11	7.43E-11
LINC02331	2.906657275	4.51539411	1.41E-11	7.48E-11
AC099520.1	4.424984328	3.253714729	1.56E-11	8.24E-11
AL365226.2	3.268433336	9.021760895	1.57E-11	8.31E-11
AL590491.2	-2.204807304	3.738542179	1.61E-11	8.51E-11
DSCR8	6.590103737	6.073485132	1.61E-11	8.52E-11
PLUT	5.025096198	3.827127854	1.62E-11	8.54E-11
AC058791.1	2.517231958	6.902146799	1.79E-11	9.41E-11
AC137834.2	2.232013395	3.032401007	1.83E-11	9.58E-11
MIR194-2HG	2.982668135	5.084084532	1.85E-11	9.66E-11
AC011700.1	3.186427543	4.171449538	1.86E-11	9.74E-11
AC022028.2	2.709396498	4.05611245	1.87E-11	9.76E-11
LINC00184	2.084679983	4.856532103	1.93E-11	1.01E-10
AC073316.1	4.356480541	3.586351089	2.01E-11	1.04E-10
LINC01344	2.464956887	3.91831082	2.01E-11	1.05E-10
AC126323.6	2.766023544	4.768880002	2.13E-11	1.10E-10
LINC00589	2.283875524	5.593035827	2.16E-11	1.12E-10
LINC02525	5.688423997	4.535124687	2.20E-11	1.14E-10
AC021683.2	3.224084821	6.578903802	2.28E-11	1.18E-10
LINC01629	3.412161856	4.693222972	2.29E-11	1.18E-10
AC099329.2	2.479437293	7.134148289	2.42E-11	1.25E-10
DEPDC1-AS1	2.247051785	3.146314279	2.53E-11	1.30E-10
AL133320.1	-2.107175503	5.515735554	2.61E-11	1.34E-10
LINC01299	4.961702099	4.052539784	2.66E-11	1.36E-10
AL611929.1	4.589161918	4.042241749	2.79E-11	1.42E-10
AGBL1-AS1	-2.075883674	2.799781965	2.79E-11	1.42E-10
SPATA3-AS1	2.3785871	3.815509885	2.86E-11	1.46E-10
AC131097.3	2.23806574	5.91369029	2.93E-11	1.49E-10
AL513548.1	5.083383232	5.614622566	3.04E-11	1.54E-10
LINC02223	3.703773205	3.752420706	3.04E-11	1.54E-10
AP003721.1	2.112275358	3.314075143	3.09E-11	1.57E-10
AC125603.1	4.487897345	6.162325768	3.11E-11	1.57E-10
AC073578.1	4.1550095	3.632467454	3.15E-11	1.59E-10

AL589182.1	4.994096978	3.489802642	3.33E-11	1.68E-10
CASC19	4.521659712	4.892414123	3.40E-11	1.71E-10
AL390115.1	2.203029234	3.090796357	3.49E-11	1.75E-10
AL034345.2	2.714304242	3.1612737	3.55E-11	1.78E-10
AC084026.2	2.652352023	4.255840255	3.57E-11	1.79E-10
AC068722.1	3.064515156	3.096635165	3.71E-11	1.86E-10
AC117386.1	4.526441457	3.475799403	3.76E-11	1.88E-10
LINC02377	5.754384677	4.029663996	4.27E-11	2.12E-10
CHL1-AS1	2.433177056	3.770705608	4.30E-11	2.14E-10
AC093904.3	3.216498254	3.071904951	4.50E-11	2.23E-10
AL390729.1	2.752095462	4.417651129	4.56E-11	2.26E-10
AC025434.1	2.9062992	2.850817551	4.70E-11	2.33E-10
TBC1D3P1-DHX 40P1	4.73105912	3.34088619	4.72E-11	2.34E-10
AC022240.1	2.916409802	3.395348291	5.06E-11	2.50E-10
AL596218.1	2.825537556	5.591967246	5.09E-11	2.52E-10
LINC01297	4.678324477	3.664085447	5.36E-11	2.64E-10
ST7-OT4	2.029954915	5.005650676	5.47E-11	2.69E-10
AC145146.1	2.398424209	3.483140014	5.49E-11	2.70E-10
LINC00524	3.452370842	4.647889314	5.54E-11	2.72E-10
AC090578.1	3.306011131	3.678081254	5.65E-11	2.77E-10
AL512488.1	2.576934868	7.366489344	6.24E-11	3.04E-10
LNCSRLR	2.009809042	4.590952222	6.58E-11	3.19E-10
LINC02492	5.32053711	4.010924683	6.85E-11	3.32E-10
LINC01206	3.765025221	4.710956258	7.25E-11	3.50E-10
AC108025.2	4.184471475	3.273096193	7.60E-11	3.65E-10
AL109924.2	2.413423051	3.00823654	7.75E-11	3.72E-10
AC009139.1	3.196733449	3.452097057	7.88E-11	3.78E-10
ARNTL2-AS1	2.739487506	3.205719391	8.03E-11	3.85E-10
MEG3	2.109729516	11.86827627	8.26E-11	3.95E-10
CDKN2A-AS1	2.824869139	3.308154989	8.27E-11	3.96E-10
AL122008.3	2.192934155	3.990599692	8.28E-11	3.96E-10
HNF1A-AS1	2.706225543	7.801693422	8.41E-11	4.02E-10
SOX21-AS1	2.341296999	8.011320277	8.79E-11	4.19E-10
LINC02263	3.988662637	3.123727074	8.89E-11	4.23E-10
LINC00958	2.606132922	7.804686443	8.98E-11	4.27E-10
LINC01356	2.40502896	4.939091442	9.00E-11	4.28E-10
KIF25-AS1	3.402900089	7.321442721	9.41E-11	4.47E-10
LINC01655	2.030267169	6.269761414	1.02E-10	4.81E-10
LINC01510	3.732874339	4.182606314	1.04E-10	4.89E-10

AC090709.1	2.991343878	3.643839461	1.08E-10	5.08E-10
AC009743.1	3.542979734	3.736936242	1.11E-10	5.21E-10
AP003119.1	3.392064533	5.25968374	1.14E-10	5.33E-10
AL136307.1	2.024808806	3.835029106	1.16E-10	5.44E-10
C5orf66-AS1	4.053771328	4.178229997	1.17E-10	5.46E-10
AC010307.4	2.941345321	4.045754224	1.22E-10	5.69E-10
AC069120.1	3.603048432	4.22102847	1.26E-10	5.88E-10
LINC00592	2.080305972	4.932762891	1.32E-10	6.16E-10
LINC01429	2.860419133	3.149120518	1.39E-10	6.47E-10
LINC02477	2.940596948	3.235559099	1.41E-10	6.54E-10
LINC01967	4.186025556	3.555110129	1.46E-10	6.79E-10
AC148476.1	2.09438531	5.058495123	1.49E-10	6.92E-10
AC006946.3	2.102776999	3.632404302	1.52E-10	7.05E-10
AL445072.1	3.721436784	2.794199659	1.63E-10	7.52E-10
AC090833.1	3.270597738	3.725486119	1.67E-10	7.69E-10
AP000542.2	5.119571621	3.796650289	1.68E-10	7.75E-10
LINC00648	4.039947936	7.14275436	1.69E-10	7.78E-10
AL136298.1	3.016638082	3.379057887	1.71E-10	7.85E-10
LINC02208	2.85416598	3.385430057	1.72E-10	7.88E-10
AC020658.4	2.23749435	2.843952446	1.75E-10	8.02E-10
AC064807.2	2.237097023	3.935987519	1.76E-10	8.09E-10
LINC01449	2.126035856	2.947923619	1.78E-10	8.14E-10
AC034223.2	4.480407655	3.435220549	1.79E-10	8.20E-10
AC139491.2	2.209152523	6.573388978	1.80E-10	8.22E-10
LINC00704	3.17340652	5.859568169	1.85E-10	8.43E-10
AC002378.1	4.026362188	4.034697602	1.93E-10	8.78E-10
AC016723.1	4.429418178	3.869167741	1.95E-10	8.87E-10
AC109588.1	5.8498008	4.310827225	1.95E-10	8.88E-10
AC073284.1	2.985125311	2.872209303	2.02E-10	9.14E-10
AC107308.1	3.93414658	3.11852092	2.02E-10	9.15E-10
AC008109.1	4.496446429	5.155156242	2.03E-10	9.18E-10
SAMMSON	2.623907768	3.463016075	2.07E-10	9.37E-10
AF274573.1	6.534982635	5.011229999	2.08E-10	9.41E-10
AC090502.3	3.306900136	2.815435105	2.18E-10	9.85E-10
AC024581.1	2.680174476	2.927411408	2.29E-10	1.03E-09
AC135782.1	2.966037116	3.530226645	2.30E-10	1.04E-09
LINC01116	2.092565839	8.013991517	2.54E-10	1.14E-09
AL355512.1	2.127999792	4.066646041	2.62E-10	1.17E-09
G2E3-AS1	5.216505522	4.360668796	2.63E-10	1.18E-09
LINC02484	5.872843349	4.135351047	2.63E-10	1.18E-09

AC092675.1	2.557293514	4.85593881	2.77E-10	1.24E-09
AC108136.1	3.635917557	3.62635634	2.78E-10	1.24E-09
DPYD-AS1	2.952427008	6.875673442	2.82E-10	1.25E-09
AL109914.1	2.452474817	3.672482682	2.82E-10	1.25E-09
AC091179.1	5.092888339	4.146884576	2.86E-10	1.27E-09
ERVMER61-1	5.709669002	4.213329044	2.88E-10	1.28E-09
AC129926.1	2.465159994	5.081052524	2.90E-10	1.28E-09
LINC01485	2.052432228	4.507075557	2.92E-10	1.29E-09
ABCA9-AS1	3.229175407	4.718623845	2.95E-10	1.31E-09
LINC01524	3.325949911	3.574546613	3.05E-10	1.35E-09
LINC00601	3.741379826	3.732723968	3.11E-10	1.37E-09
AC019171.1	2.506434601	6.438511463	3.34E-10	1.47E-09
AC005064.1	2.638866782	5.345115126	3.45E-10	1.52E-09
LINC00355	4.434622027	5.763524733	3.56E-10	1.56E-09
AC010307.2	2.140655407	4.164254053	3.70E-10	1.62E-09
AC096734.1	2.178440748	3.322599512	3.82E-10	1.67E-09
LINC01571	-2.007908149	4.556620188	3.88E-10	1.70E-09
CPS1-IT1	4.681119092	3.302005894	3.94E-10	1.72E-09
AL355075.4	6.098048585	8.021611256	4.18E-10	1.82E-09
AC008115.2	3.310476385	3.293150132	4.23E-10	1.84E-09
AC023794.3	2.660438059	3.442807031	4.23E-10	1.84E-09
AC040174.2	3.306177336	3.045815214	4.30E-10	1.86E-09
AL445647.1	5.018287996	3.805350579	4.42E-10	1.91E-09
AC099487.1	3.772138637	3.233203085	4.42E-10	1.91E-09
LINC01543	3.364862547	3.011989904	4.48E-10	1.94E-09
AL356133.2	4.722511308	3.494957822	4.59E-10	1.98E-09
AL160271.1	6.952910725	5.92346863	4.67E-10	2.01E-09
LINC01776	3.730515819	3.396744024	4.71E-10	2.03E-09
ZFH4-AS1	4.024040079	4.255069002	4.95E-10	2.13E-09
AC025244.1	4.090796516	3.665799481	5.20E-10	2.23E-09
AP002478.1	2.966518081	5.083777675	5.22E-10	2.23E-09
AC110015.1	3.875365483	2.967558044	5.23E-10	2.24E-09
AC020934.1	3.160834982	2.89631994	5.27E-10	2.25E-09
AC090809.1	5.52990227	4.018228819	5.28E-10	2.26E-09
ATP11AUN	3.896387458	6.038637864	5.31E-10	2.27E-09
AC009630.2	2.229509236	2.731919229	5.50E-10	2.35E-09
AP000842.3	2.970794674	3.641590156	5.61E-10	2.39E-09
LINC00221	5.264633116	6.156224127	5.62E-10	2.39E-09
AL354993.1	2.151502849	4.932251668	5.62E-10	2.39E-09
AC026336.3	6.333713596	6.377663774	5.67E-10	2.41E-09



LINC01202	4.890902936	3.437549621	5.99E-10	2.54E-09
AP003472.2	2.118939776	3.051119707	6.03E-10	2.55E-09
AC090826.1	2.21532728	4.534867852	6.23E-10	2.63E-09
KCNQ5-IT1	3.403050296	3.581259783	6.52E-10	2.75E-09
CERNA3	2.066751106	2.877787834	6.61E-10	2.79E-09
AC123768.1	2.316737922	2.630442773	6.68E-10	2.81E-09
AC078850.2	2.980233377	3.757155753	6.90E-10	2.90E-09
AC106771.1	5.42630073	4.520848479	7.02E-10	2.95E-09
LINC00668	4.061458728	6.537037387	7.04E-10	2.96E-09
LINC01419	7.298709026	7.802768988	7.11E-10	2.99E-09
AC005291.1	3.099506087	4.125245638	7.28E-10	3.05E-09
AL355483.1	2.592034845	2.642994747	7.39E-10	3.10E-09
DSCR4	5.930186973	4.158872699	7.86E-10	3.28E-09
HAR1B	2.337424784	5.375495297	7.96E-10	3.32E-09
LINC00319	2.684889139	3.381426296	7.97E-10	3.32E-09
AC055717.2	5.584097344	4.085073615	8.00E-10	3.33E-09
FER1L6-AS2	4.237789831	3.361833319	8.40E-10	3.49E-09
AC114291.1	-2.04700656	4.44993725	8.55E-10	3.55E-09
AC004888.1	3.018562763	3.500126277	8.77E-10	3.64E-09
LINC01605	2.054947553	5.981448809	8.84E-10	3.67E-09
LINC02152	4.331489865	3.510652441	9.05E-10	3.75E-09
AC008750.3	2.108648191	3.119660804	1.00E-09	4.14E-09
AC099677.4	2.59576987	2.649949788	1.02E-09	4.19E-09
AP000721.2	2.022264699	2.81098572	1.03E-09	4.22E-09
MIR181A1HG	2.338146694	5.009588433	1.05E-09	4.31E-09
AL023754.1	3.568309656	3.075152571	1.06E-09	4.34E-09
AC122694.1	3.658319974	3.70706143	1.07E-09	4.35E-09
AL589740.1	3.95598024	3.142590175	1.07E-09	4.37E-09
AC084026.1	2.941338834	3.180902346	1.08E-09	4.40E-09
AC083906.3	2.029506671	3.495943777	1.12E-09	4.57E-09
AC006206.2	3.153988275	6.660152661	1.18E-09	4.81E-09
AC243972.1	2.149320477	2.926848515	1.19E-09	4.85E-09
TMEM132D-AS1	5.719844203	4.603048968	1.20E-09	4.87E-09
LINC02192	3.47955592	3.252075253	1.26E-09	5.11E-09
LINC02404	5.487178505	4.970191458	1.28E-09	5.20E-09
AC010547.2	2.545501721	4.623679004	1.29E-09	5.20E-09
AC015813.4	2.099237357	3.033257016	1.29E-09	5.22E-09
LINC01873	2.592136277	2.940605646	1.35E-09	5.46E-09
LINC01913	2.858526908	5.353251346	1.37E-09	5.52E-09
AL589743.5	2.624450019	3.261903589	1.37E-09	5.52E-09

TBL1XR1-AS1	2.69669369	3.754423837	1.40E-09	5.66E-09
AC104574.2	3.460473933	3.560936318	1.43E-09	5.78E-09
LINC02343	2.531456069	3.030421691	1.47E-09	5.91E-09
AC008649.1	2.30251871	3.854327134	1.47E-09	5.93E-09
PRKCA-AS1	3.619159101	4.237764171	1.51E-09	6.07E-09
AC087855.2	3.597869091	2.74090591	1.53E-09	6.15E-09
AL442224.1	3.59476041	5.562407315	1.55E-09	6.21E-09
AC022424.1	2.105427059	3.330035737	1.57E-09	6.28E-09
MIR4527HG	3.502403096	4.302537031	1.58E-09	6.32E-09
AC096759.2	4.612921955	3.815132039	1.64E-09	6.53E-09
AL691420.1	5.10869613	3.700853289	1.66E-09	6.62E-09
AC023154.1	2.088596981	4.236530661	1.69E-09	6.72E-09
LINC02335	5.221206538	3.816755993	1.72E-09	6.87E-09
LINC01667	5.952159501	6.409669704	1.74E-09	6.92E-09
AF274855.1	6.389801736	4.744693005	1.85E-09	7.33E-09
PINCR	4.68863619	3.605724445	1.93E-09	7.63E-09
AC080129.1	3.505173815	3.045449186	1.94E-09	7.66E-09
TUSC8	3.883081343	6.09867317	1.98E-09	7.84E-09
AP005271.1	2.233469052	3.363520078	2.01E-09	7.92E-09
LINC00543	2.098472652	6.384128923	2.03E-09	7.99E-09
LINC02267	5.533035291	4.373137111	2.08E-09	8.19E-09
AC099342.1	2.773705945	2.788636657	2.13E-09	8.38E-09
AC083801.2	3.553246009	3.131698812	2.15E-09	8.46E-09
LINC02476	5.730807894	4.790386368	2.15E-09	8.47E-09
AC126323.3	3.236668823	3.569715794	2.25E-09	8.81E-09
AL133467.2	4.168940302	4.357636927	2.26E-09	8.86E-09
LINC02454	2.90170251	4.705434994	2.28E-09	8.94E-09
AC016550.2	4.072552113	3.09100865	2.28E-09	8.94E-09
AC090673.2	3.351691985	3.074078409	2.29E-09	8.96E-09
AL136987.1	2.828306765	3.095915769	2.29E-09	8.97E-09
AC024230.1	4.145635963	3.616648901	2.31E-09	9.04E-09
LINC00393	4.838707907	4.165075363	2.31E-09	9.04E-09
AC011611.2	2.957918474	2.674451635	2.33E-09	9.10E-09
LINC00330	2.206368932	3.801851853	2.54E-09	9.89E-09
AC021127.1	2.39744283	3.318886018	2.60E-09	1.01E-08
AF121898.1	4.593240236	3.771748013	2.61E-09	1.01E-08
AL354824.2	2.900674755	2.910849202	2.63E-09	1.02E-08
AL109954.2	3.039730757	3.077778218	2.67E-09	1.04E-08
AL079307.1	2.825425988	3.581547004	2.77E-09	1.07E-08
BX005019.1	3.49846176	2.905462037	2.81E-09	1.09E-08

AC005090.1	4.986612519	3.943089276	2.81E-09	1.09E-08
DSG1-AS1	4.772497557	3.988518819	2.88E-09	1.11E-08
AC006357.1	3.885727323	3.213722312	2.98E-09	1.15E-08
LINC01397	2.026454707	3.181665664	3.05E-09	1.17E-08
AC006065.4	3.774426778	3.543374626	3.09E-09	1.19E-08
LINC01456	4.626236604	3.713729997	3.19E-09	1.22E-08
AC122710.1	5.345344576	4.391062363	3.21E-09	1.23E-08
LINC02468	2.420869484	3.914425523	3.22E-09	1.23E-08
AL451137.1	3.654386384	2.952356339	3.45E-09	1.32E-08
AL606970.3	3.247534219	4.131379469	3.57E-09	1.36E-08
LINC00645	4.559755461	3.590365292	3.60E-09	1.37E-08
AC003986.2	2.374808262	2.969648066	3.66E-09	1.39E-08
AL008721.1	2.926588369	2.790401697	3.67E-09	1.40E-08
AC004158.1	2.995135651	3.125642656	3.77E-09	1.43E-08
AC092198.1	2.557793865	5.315554231	3.94E-09	1.49E-08
AL353803.1	2.457852946	2.845208186	3.99E-09	1.51E-08
AC110741.1	3.107889902	5.849024252	4.08E-09	1.54E-08
LINC02188	3.063622358	7.129123493	4.16E-09	1.57E-08
LINC00698	2.271048239	2.798206766	4.18E-09	1.58E-08
LINC01257	4.743105706	5.368788522	4.20E-09	1.58E-08
AC016831.5	2.643350853	5.701741397	4.23E-09	1.59E-08
AC022809.1	2.828826082	2.692971352	4.35E-09	1.64E-08
LINC01924	4.56062146	3.756299162	4.44E-09	1.67E-08
LINC01098	3.268398288	3.551876241	4.46E-09	1.68E-08
AL592494.1	2.827336019	2.61696795	4.56E-09	1.71E-08
GRM5-AS1	2.313149986	3.493179605	4.62E-09	1.73E-08
AC025419.1	3.922326628	7.046201641	4.89E-09	1.83E-08
AC008738.4	2.69781038	2.967157211	5.01E-09	1.87E-08
AC068858.1	2.108823553	2.763028909	5.01E-09	1.87E-08
LINC01446	4.530609553	6.170395514	5.29E-09	1.97E-08
LINC02448	4.553171017	3.211860723	5.45E-09	2.03E-08
AC006145.1	4.215812581	3.687579136	5.65E-09	2.10E-08
AL359851.1	2.88882058	3.016095968	5.72E-09	2.12E-08
LINC01249	4.830902399	4.037910127	5.72E-09	2.12E-08
AC084816.1	3.335511844	3.990601818	5.80E-09	2.15E-08
LINC01659	2.099751308	5.573298377	5.89E-09	2.18E-08
AC025154.2	2.243058932	8.232167205	6.11E-09	2.26E-08
AC021683.1	2.682806722	6.042036243	6.19E-09	2.29E-08
AC123905.1	3.512108184	3.053991798	6.25E-09	2.31E-08
AL157778.1	5.22171843	3.994395435	6.29E-09	2.33E-08

AC113615.1	2.456707674	2.897144	6.35E-09	2.35E-08
AC048383.1	2.350145297	3.072582265	6.42E-09	2.37E-08
AC115284.1	2.02361173	2.715883421	6.99E-09	2.57E-08
LINC00383	4.744709327	3.338731525	7.04E-09	2.59E-08
LINC01701	2.603656755	2.884387383	7.15E-09	2.63E-08
LINC01345	5.279055738	4.129929879	7.20E-09	2.64E-08
AC005808.1	2.871467768	2.793971997	7.50E-09	2.75E-08
AL390718.1	2.618177287	2.669064778	7.50E-09	2.75E-08
SLC8A1-AS1	2.016120541	5.624304032	7.51E-09	2.75E-08
AC073323.1	2.353171027	3.113761411	7.55E-09	2.76E-08
AL359636.2	2.18984244	3.364534231	7.70E-09	2.81E-08
AC025524.2	2.442198245	3.165593234	7.84E-09	2.86E-08
AC012317.1	3.011817879	3.9269052	8.00E-09	2.92E-08
AC087857.1	4.119835471	3.35698843	8.09E-09	2.95E-08
AC106712.1	2.029953516	4.475056159	8.15E-09	2.97E-08
VCAN-AS1	2.495803444	3.996346632	8.64E-09	3.14E-08
AC133540.1	2.198874534	3.940066248	8.89E-09	3.23E-08
AC022929.2	2.302362075	2.940554622	8.99E-09	3.26E-08
TTY16	-2.084328481	2.786856805	9.30E-09	3.37E-08
MIR5689HG	3.119781076	3.089669819	9.34E-09	3.38E-08
AC007785.1	2.755615849	3.114179657	9.65E-09	3.48E-08
PROX1-AS1	2.150795276	6.207849954	1.05E-08	3.76E-08
AL160408.1	2.836080619	5.991271189	1.08E-08	3.88E-08
LINC02170	2.078649609	5.267993795	1.10E-08	3.95E-08
FAM230C	5.395663787	4.698542266	1.12E-08	4.00E-08
AC114812.2	3.254994175	3.033016796	1.12E-08	4.01E-08
LINC00470	3.164033391	6.119381575	1.16E-08	4.13E-08
AL133467.4	4.204414871	3.873961357	1.17E-08	4.19E-08
AC126696.2	2.199432282	2.647101313	1.19E-08	4.26E-08
AC090023.2	4.525933625	3.308581373	1.24E-08	4.42E-08
AC005307.1	3.939314412	4.079902369	1.25E-08	4.42E-08
AC112178.1	4.124582352	3.12512925	1.28E-08	4.53E-08
AL513304.1	6.797729217	4.886364826	1.33E-08	4.71E-08
AL138962.1	2.600247718	2.93397323	1.34E-08	4.74E-08
LINC00392	5.792399193	4.045189301	1.35E-08	4.77E-08
Z82173.1	3.385965766	3.600453993	1.36E-08	4.82E-08
AL157937.1	2.968078212	2.933799212	1.43E-08	5.03E-08
LINC02506	4.662502468	5.335736297	1.47E-08	5.17E-08
AC009264.1	3.614437198	4.563153775	1.48E-08	5.21E-08
Z94160.1	2.251210623	3.328021618	1.49E-08	5.23E-08

AC010478.1	2.730923338	5.665588564	1.52E-08	5.32E-08
AL353753.1	2.192787862	2.853098685	1.53E-08	5.35E-08
AC131532.1	4.291293678	4.688497913	1.60E-08	5.60E-08
LINC02582	6.008360866	5.539931966	1.66E-08	5.79E-08
LINC02037	4.024025187	4.909417734	1.73E-08	6.02E-08
AC007848.2	3.053493943	2.935154562	1.74E-08	6.06E-08
AC016687.3	5.275843816	4.120812442	1.79E-08	6.24E-08
GACAT3	4.930275163	4.084666902	1.87E-08	6.48E-08
AP003181.1	3.498834241	2.789663262	1.87E-08	6.50E-08
AC091043.1	3.00610377	3.797473805	1.89E-08	6.57E-08
AC116666.1	3.696925918	2.981067244	1.96E-08	6.81E-08
AF279873.3	4.884876609	4.240753259	2.09E-08	7.22E-08
AC069542.1	2.267118759	4.036346757	2.12E-08	7.33E-08
AC069228.1	4.083738168	3.95795818	2.19E-08	7.55E-08
LINC02347	2.835206864	3.708089403	2.23E-08	7.67E-08
AC083841.2	3.300668331	2.86926993	2.28E-08	7.84E-08
LINC01096	2.646978403	3.574240809	2.30E-08	7.93E-08
AP006333.2	2.193569802	2.74309738	2.34E-08	8.05E-08
AC027088.3	3.386934034	2.915088847	2.38E-08	8.19E-08
AC131211.1	3.975340407	2.954456006	2.40E-08	8.24E-08
AC104794.3	4.005366875	3.215903473	2.42E-08	8.31E-08
AL391152.1	2.211300987	4.855566627	2.47E-08	8.45E-08
LINC01731	2.398133953	2.976713108	2.66E-08	9.09E-08
AC124290.1	3.920863816	2.898346947	2.73E-08	9.30E-08
AC027243.1	2.378959116	3.013177958	2.74E-08	9.32E-08
LINC02417	2.87424334	3.628851225	2.77E-08	9.43E-08
AC104793.1	4.921667444	3.443644856	2.78E-08	9.44E-08
AC073578.2	3.610705053	3.273104878	2.78E-08	9.45E-08
LINC00602	3.81326378	3.733222267	2.80E-08	9.51E-08
AP003351.1	2.286805335	2.639048958	2.82E-08	9.55E-08
AC068580.2	2.656120981	3.049195737	2.86E-08	9.70E-08
AC100774.1	2.1058075	3.648054919	2.96E-08	1.00E-07
AC090515.4	2.215877523	5.668721866	3.02E-08	1.02E-07
AL117190.1	2.26875888	4.266759961	3.03E-08	1.02E-07
AC022639.1	4.175219036	3.436706331	3.08E-08	1.04E-07
AL355607.2	2.571489184	2.824794777	3.20E-08	1.08E-07
AC007389.3	2.251684564	2.757756108	3.20E-08	1.08E-07
AL138759.1	2.341365787	2.799995486	3.24E-08	1.09E-07
SMILR	2.922740608	3.939512546	3.29E-08	1.11E-07
RMRP	5.96235355	6.337609879	3.45E-08	1.16E-07

AL356055.1	2.037239044	3.530021993	3.46E-08	1.16E-07
LINC01956	3.814704452	3.565805057	3.49E-08	1.17E-07
LSAMP-AS1	3.078327487	3.692688859	3.71E-08	1.24E-07
AC083967.1	2.5773565	3.972574298	3.72E-08	1.24E-07
MKRN3-AS1	2.712308126	3.031519785	3.80E-08	1.26E-07
LINC01681	3.645591329	3.144463085	3.82E-08	1.27E-07
AL359853.1	2.581834821	3.745677608	3.92E-08	1.30E-07
AP005328.2	2.992069562	3.790757041	3.99E-08	1.33E-07
ST8SIA6-AS1	3.331768399	7.164439465	4.07E-08	1.35E-07
LINC02438	3.825624557	3.634435917	4.13E-08	1.37E-07
LINC00871	3.759830824	4.204927005	4.14E-08	1.37E-07
AL136018.1	2.584281624	3.729684784	4.16E-08	1.38E-07
LINC02433	2.450284498	3.114167803	4.24E-08	1.40E-07
AC008392.1	2.383787098	3.459527959	4.31E-08	1.42E-07
AC069061.2	4.96484023	3.741750249	4.54E-08	1.50E-07
FOXCUT	2.012431937	3.714594604	4.61E-08	1.52E-07
AC091212.1	2.044160161	3.401652604	4.62E-08	1.52E-07
LINC01740	3.514394559	5.02958379	4.78E-08	1.57E-07
AL391811.1	3.247957546	3.380754338	4.80E-08	1.58E-07
AC015712.4	2.656932222	3.279289028	4.84E-08	1.59E-07
LINC00473	3.73070439	9.228234339	4.89E-08	1.61E-07
AL161431.1	3.119384933	8.844280855	5.22E-08	1.71E-07
ARHGAP26-AS1	2.08038906	3.798764164	5.42E-08	1.77E-07
AC008554.1	2.236950392	3.532461761	5.52E-08	1.80E-07
AL135787.1	2.027494556	3.05602159	5.53E-08	1.80E-07
AC112176.1	2.971047893	3.337755292	5.56E-08	1.81E-07
LINC01910	2.634945983	3.270314664	5.84E-08	1.90E-07
LINC01825	2.035978532	3.249224948	5.98E-08	1.94E-07
AL121956.1	2.92156989	4.250412069	6.03E-08	1.96E-07
AL160408.4	3.723266291	2.979964507	6.25E-08	2.02E-07
AP005137.2	3.165288133	3.355630346	6.32E-08	2.04E-07
CASC20	3.586484046	4.471997869	6.66E-08	2.15E-07
AC021534.1	4.107725109	2.970229954	6.93E-08	2.24E-07
AC108865.1	2.905045161	3.236300698	7.18E-08	2.31E-07
AC019211.1	2.477150601	2.713009045	7.33E-08	2.36E-07
AL391361.3	4.522546735	3.37675473	7.42E-08	2.38E-07
AC004704.1	4.634205655	5.038328048	7.42E-08	2.38E-07
AC145207.1	2.118864726	2.673061285	7.46E-08	2.39E-07
LINC01204	2.544339834	3.932540443	7.48E-08	2.40E-07
LINC01981	3.206304685	2.592304434	7.55E-08	2.42E-07

LINC01079	3.386792641	4.075843026	8.08E-08	2.59E-07
AC090164.2	2.349030058	3.428728995	8.12E-08	2.60E-07
OVAAL	3.111891361	3.842266517	8.40E-08	2.68E-07
AC015923.1	2.228221975	3.509501201	8.41E-08	2.68E-07
HOTTIP	3.608837149	3.710460396	8.48E-08	2.70E-07
LINC02105	3.432604109	2.926980595	9.50E-08	3.01E-07
AL365356.1	2.054075041	4.125093827	9.92E-08	3.14E-07
AL354824.1	2.470358603	2.690399941	9.94E-08	3.15E-07
LINC01812	2.631775747	2.785018057	1.01E-07	3.18E-07
LINC02167	3.134440175	2.669517478	1.03E-07	3.25E-07
FGF12-AS2	2.450686415	3.296454695	1.03E-07	3.25E-07
AP003062.1	4.281083261	3.995680243	1.03E-07	3.25E-07
LINC00706	2.433897486	3.501593183	1.03E-07	3.25E-07
AL445209.1	2.998287247	2.870458619	1.03E-07	3.26E-07
CR392039.3	3.625473401	3.136911496	1.06E-07	3.33E-07
AC087473.1	2.273824833	2.691269194	1.06E-07	3.34E-07
LINC02111	2.86661989	2.952082737	1.10E-07	3.46E-07
AL161729.2	2.549398886	3.323317743	1.11E-07	3.47E-07
AC068985.1	3.616153735	3.010919337	1.11E-07	3.48E-07
LINC01210	4.588853209	3.732636564	1.13E-07	3.55E-07
C3orf67-AS1	2.737819903	2.587251045	1.15E-07	3.58E-07
AC006206.1	3.005133279	2.692823339	1.15E-07	3.59E-07
AL034376.1	2.797575426	3.295744917	1.19E-07	3.70E-07
AC012594.1	2.309463442	2.929088532	1.19E-07	3.70E-07
LINC00308	3.216837192	2.59542295	1.20E-07	3.73E-07
C11orf44	2.374776206	3.241719204	1.24E-07	3.85E-07
LINC01594	2.051214852	3.952232294	1.24E-07	3.86E-07
LINC01608	5.249527142	4.138499349	1.25E-07	3.87E-07
AC022031.2	3.694635294	3.948940467	1.33E-07	4.11E-07
AC007383.4	4.845874263	4.933587505	1.34E-07	4.14E-07
AC131097.1	2.337057867	3.408943819	1.41E-07	4.35E-07
KC877982.1	4.46211104	3.690242276	1.43E-07	4.40E-07
AC091173.1	2.900045722	4.074973255	1.44E-07	4.42E-07
LINC02196	3.684159621	3.012703538	1.45E-07	4.44E-07
AC106875.1	4.372258007	5.298130973	1.45E-07	4.45E-07
AC090503.2	3.374101288	2.652040431	1.49E-07	4.56E-07
AC090541.1	3.010250336	4.07317241	1.49E-07	4.56E-07
AC109830.1	4.219998987	3.155218593	1.57E-07	4.78E-07
AC103957.1	2.237823202	2.702021254	1.61E-07	4.90E-07
LINC01346	4.567946666	4.209171938	1.66E-07	5.03E-07

AL022314.1	2.498876312	3.110343575	1.70E-07	5.16E-07
AC092916.1	4.339251942	3.104436379	1.71E-07	5.17E-07
AC053503.1	2.288405583	2.754774551	1.72E-07	5.20E-07
AL162413.1	3.220721803	4.260371803	1.73E-07	5.25E-07
AC073365.1	4.883355281	4.605122369	1.75E-07	5.28E-07
AC073525.1	3.085779101	3.392387769	1.89E-07	5.69E-07
LINC01896	5.108457298	4.239539845	1.91E-07	5.76E-07
AC105999.2	5.000497243	4.354871652	1.92E-07	5.77E-07
AF233439.1	2.013592184	3.607947289	1.94E-07	5.82E-07
AC012174.1	2.97935222	4.420355101	2.01E-07	6.02E-07
LINC01391	3.524114443	3.268075358	2.05E-07	6.14E-07
AC091868.2	2.017096539	2.779178138	2.06E-07	6.15E-07
LINC01312	3.373233667	3.324038849	2.06E-07	6.15E-07
AC104088.1	3.072256547	3.996888694	2.11E-07	6.31E-07
AL049775.2	3.858209126	3.20389258	2.12E-07	6.33E-07
AC005550.2	3.029816034	5.577495274	2.12E-07	6.33E-07
AC011287.1	2.373226544	3.301895652	2.14E-07	6.37E-07
AL445531.1	2.187066279	2.960738287	2.14E-07	6.38E-07
AC078852.2	2.019023531	3.67091902	2.14E-07	6.39E-07
AL450345.1	3.299919721	3.046375128	2.15E-07	6.41E-07
LINC01502	2.934966183	5.046376958	2.26E-07	6.70E-07
AC007431.1	2.263323631	3.201736607	2.28E-07	6.77E-07
AC007159.1	4.635027911	4.424140206	2.35E-07	6.95E-07
SCHLAP1	4.026738724	3.159411595	2.56E-07	7.56E-07
AC013724.1	3.069305047	2.78044096	2.57E-07	7.59E-07
LINC01297	3.689155968	3.285824538	2.61E-07	7.71E-07
LINC01831	4.955734135	3.44064568	2.61E-07	7.71E-07
AC010327.3	2.104786112	3.362027662	2.86E-07	8.39E-07
AC006372.1	3.475636767	3.451354889	2.89E-07	8.46E-07
NHS-AS1	2.399331948	2.771149934	2.97E-07	8.68E-07
LINC01992	4.31451324	4.095804898	3.07E-07	8.97E-07
AL592043.1	3.190945502	2.73522144	3.11E-07	9.08E-07
FOXP1-IT1	2.265388943	4.673286327	3.12E-07	9.10E-07
AC007431.2	3.026562808	2.630013772	3.24E-07	9.42E-07
AC100782.1	2.363731374	3.149550478	3.26E-07	9.48E-07
MIR3681HG	2.007999191	4.629086029	3.35E-07	9.72E-07
BX324167.1	2.18282289	3.689595524	3.40E-07	9.85E-07
CHODL-AS1	2.908639764	2.834187878	3.41E-07	9.89E-07
AC091987.1	3.711954628	3.062741973	3.53E-07	1.02E-06
AC091182.2	2.140025985	3.881770118	3.53E-07	1.02E-06



LINC02327	4.07643801	4.085735089	3.55E-07	1.03E-06
LINC02463	2.385991512	2.918372388	3.63E-07	1.05E-06
RBAKDN	2.063973283	4.10530676	3.67E-07	1.06E-06
IL20RB-AS1	2.431801592	2.769597767	3.68E-07	1.06E-06
AP000688.2	2.733422848	5.806461114	3.70E-07	1.07E-06
LINC01411	2.77369288	3.081368912	3.81E-07	1.10E-06
TESC-AS1	2.287367488	3.810896647	3.82E-07	1.10E-06
LINC02141	3.933107368	3.542510992	3.82E-07	1.10E-06
LINC01819	2.872023599	6.531372461	3.89E-07	1.12E-06
AP000439.2	3.190723473	4.554222132	3.93E-07	1.13E-06
CU104787.1	3.917668911	2.881631341	3.93E-07	1.13E-06
AC016868.1	3.338624384	3.075053883	3.97E-07	1.14E-06
AC008443.3	2.363679103	3.972138025	4.12E-07	1.18E-06
AC016710.1	3.953621581	2.913464658	4.40E-07	1.25E-06
AC011287.2	2.859784551	3.251602944	4.47E-07	1.28E-06
AC005722.2	2.320013233	5.415099683	4.69E-07	1.33E-06
AP000851.2	2.599151417	4.0390244	4.75E-07	1.35E-06
AL451047.1	2.559849413	3.123801633	4.85E-07	1.38E-06
AC108174.1	2.23895807	2.965073634	4.85E-07	1.38E-06
AL035401.1	2.395121383	3.456243946	5.01E-07	1.42E-06
OTX2-AS1	3.22643197	3.462235519	5.03E-07	1.42E-06
LINC02577	2.004848866	8.557931164	5.07E-07	1.43E-06
LINC01444	3.703526557	3.979779448	5.14E-07	1.45E-06
AC107419.1	2.833793765	3.491422991	5.34E-07	1.51E-06
LINC01221	3.488981174	2.730200856	5.40E-07	1.52E-06
AC023824.5	5.3497876	3.902989584	5.88E-07	1.65E-06
AC005150.1	3.725620861	2.783002719	5.97E-07	1.68E-06
AP000904.1	2.444307261	4.432165674	5.99E-07	1.68E-06
AC002511.2	2.508363073	4.106107225	6.45E-07	1.81E-06
AC132807.2	3.358326824	3.973842999	6.53E-07	1.82E-06
GRM7-AS3	3.03536705	2.539265783	6.86E-07	1.91E-06
AC148477.4	3.272276515	3.993167368	6.99E-07	1.94E-06
LINC00705	2.490352381	3.070746017	7.12E-07	1.98E-06
AL136131.2	2.641583802	3.0639796	7.46E-07	2.07E-06
AC073174.1	3.950736758	3.329147536	7.65E-07	2.12E-06
AL591926.2	2.14786641	2.904117557	8.07E-07	2.23E-06
FGF12-AS3	2.447255555	2.901275177	8.46E-07	2.33E-06
LINC02294	2.784436004	2.877338121	8.48E-07	2.34E-06
AC127029.2	3.0086584	3.129510268	8.65E-07	2.38E-06
ZBTB46-AS1	2.582140814	3.482515168	8.94E-07	2.46E-06

LINC01143	2.534273609	3.610545906	9.33E-07	2.56E-06
AC100800.1	3.138222181	3.780154293	9.38E-07	2.57E-06
LINC01885	3.15587395	2.579626588	9.44E-07	2.59E-06
AC105460.1	4.656566717	3.814994296	9.48E-07	2.60E-06
AC073530.1	2.860063435	2.55423086	9.59E-07	2.63E-06
AC209154.2	3.987932099	3.355167273	9.85E-07	2.69E-06
AL391097.1	2.957766154	2.730611974	1.01E-06	2.76E-06
AC007529.1	2.474133245	2.589661196	1.02E-06	2.79E-06
LINC02505	3.475970022	3.279828276	1.02E-06	2.79E-06
AC006148.1	2.995065315	3.392072211	1.06E-06	2.89E-06
AC112495.1	5.083726534	4.028559401	1.06E-06	2.90E-06
E2F3-IT1	2.782045585	2.858786299	1.08E-06	2.93E-06
AC097716.1	2.627575637	2.693814412	1.08E-06	2.94E-06
AC112236.1	2.710190082	3.084656598	1.08E-06	2.94E-06
AC091133.2	3.663474074	2.82581879	1.11E-06	3.02E-06
IGF2-AS	2.648003097	4.659107233	1.12E-06	3.03E-06
AC006262.2	2.305381474	2.647933909	1.15E-06	3.12E-06
AC074389.2	3.537430428	3.617991074	1.17E-06	3.17E-06
PAQR9-AS1	3.711352456	3.770205156	1.18E-06	3.20E-06
LINC00051	2.957193174	3.505247855	1.20E-06	3.25E-06
GACAT2	2.075232887	3.211016904	1.26E-06	3.39E-06
LINC01854	3.587742843	2.797378384	1.27E-06	3.43E-06
AP001025.1	2.290803585	3.824784254	1.28E-06	3.45E-06
AC009884.1	2.9024934	2.979203417	1.34E-06	3.59E-06
AC133106.1	2.772963581	2.654215849	1.39E-06	3.72E-06
LINC01697	2.430984501	4.697963736	1.39E-06	3.72E-06
AL359551.1	2.503420749	3.147220557	1.40E-06	3.75E-06
AC092803.1	2.28595404	2.817471352	1.42E-06	3.81E-06
RAPGEF4-AS1	2.419746058	3.069908666	1.42E-06	3.81E-06
AC139718.1	3.305529094	2.832849627	1.44E-06	3.84E-06
LINC01959	2.897651651	2.575199307	1.44E-06	3.85E-06
MACC1-AS1	2.202834017	3.889742034	1.46E-06	3.91E-06
AC092325.1	3.31786611	2.631176181	1.47E-06	3.92E-06
AC093817.1	2.09894072	2.889410006	1.49E-06	3.99E-06
LINC01433	2.365647401	4.187251197	1.54E-06	4.10E-06
AC005186.1	3.681783395	3.01931537	1.55E-06	4.13E-06
AC139792.1	2.360751414	3.307051442	1.66E-06	4.40E-06
MRGPRG-AS1	3.325461764	2.820618287	1.67E-06	4.43E-06
AL356364.1	4.226797279	3.114961943	1.67E-06	4.44E-06
LINC02300	2.573043775	5.681875579	1.74E-06	4.61E-06

LINC02260	2.739661328	2.877207523	1.75E-06	4.64E-06
LINC01250	2.266934408	2.857477346	1.79E-06	4.74E-06
NAALADL2-AS3	3.097868737	2.811230708	1.80E-06	4.76E-06
AC087612.1	3.162075173	3.697740477	1.83E-06	4.83E-06
AC012065.1	3.614261986	2.743748883	1.87E-06	4.94E-06
AL359095.1	3.399776326	3.503497897	1.90E-06	5.01E-06
AC021818.1	2.139079936	2.791365801	1.91E-06	5.02E-06
AF131216.3	2.647484785	3.777269243	1.94E-06	5.09E-06
AC020551.1	3.411785049	2.665971329	1.97E-06	5.17E-06
AC008063.2	2.203761633	3.146338792	2.00E-06	5.26E-06
AC148477.2	2.457572348	3.974637791	2.12E-06	5.57E-06
AC099673.1	2.855743556	2.492648455	2.14E-06	5.61E-06
LINC02527	3.352534406	3.398949171	2.15E-06	5.62E-06
AC090774.3	2.900849557	3.098609063	2.17E-06	5.68E-06
LINC02411	3.333546089	2.676200867	2.17E-06	5.68E-06
AL353746.1	2.365536381	4.307403748	2.18E-06	5.69E-06
AC026320.1	3.168057859	2.586133714	2.20E-06	5.76E-06
LINC01665	3.377848943	2.984955493	2.21E-06	5.78E-06
LINC01593	2.310908909	2.724154876	2.22E-06	5.80E-06
AC090193.1	2.297208035	2.555912809	2.27E-06	5.91E-06
AF178030.1	3.158938194	3.283424179	2.28E-06	5.95E-06
IDH2-DT	2.388290709	3.372642667	2.33E-06	6.07E-06
AF254983.1	3.853442792	2.992678805	2.38E-06	6.18E-06
AC087258.1	2.994530976	3.008266461	2.41E-06	6.27E-06
AF106564.1	2.365973538	3.962634488	2.42E-06	6.27E-06
AC025575.1	2.528408702	2.667291156	2.45E-06	6.35E-06
PCAT18	2.385753603	4.892362186	2.49E-06	6.47E-06
AC099788.1	2.686515376	2.782848712	2.50E-06	6.48E-06
LINC01744	2.44361229	2.6439113	2.55E-06	6.60E-06
LINC02266	2.858991491	4.51677334	2.60E-06	6.71E-06
AL391863.2	3.55574413	3.330896153	2.60E-06	6.71E-06
AC015818.2	2.066166843	2.63472989	2.64E-06	6.82E-06
AL008638.2	4.324661386	3.189899025	2.82E-06	7.24E-06
AC017048.3	2.225866603	3.766458617	2.85E-06	7.33E-06
AC105760.1	2.167603752	2.81071479	2.99E-06	7.67E-06
AL583808.1	3.082640426	3.991463789	3.00E-06	7.69E-06
LINC00867	2.246616507	3.33715201	3.02E-06	7.73E-06
PLCB1-IT1	3.384660882	2.699187444	3.03E-06	7.76E-06
AC034223.1	2.89943177	2.810139368	3.10E-06	7.92E-06
LINC02443	2.348223546	2.716753289	3.10E-06	7.93E-06

AC078950.1	2.285799816	2.818076702	3.12E-06	7.96E-06
AL133343.2	2.082828275	2.986361598	3.14E-06	8.01E-06
AC074237.1	3.488250682	2.792467094	3.17E-06	8.06E-06
AL353803.2	2.190639742	3.936012325	3.23E-06	8.22E-06
AC106744.1	4.134881803	3.202405525	3.25E-06	8.26E-06
AP001547.1	2.567453468	2.913213942	3.29E-06	8.36E-06
AC013391.3	2.690967787	2.641715268	3.31E-06	8.41E-06
LINC02385	3.494965566	3.904040316	3.36E-06	8.51E-06
AL078601.2	2.307281387	4.65348655	3.42E-06	8.65E-06
AL031767.1	4.354481594	3.490354857	3.42E-06	8.66E-06
LINC02348	2.217570863	2.893158452	3.44E-06	8.70E-06
AP000997.1	2.384631981	2.547901148	3.50E-06	8.84E-06
AC008060.1	3.539368428	2.822962089	3.56E-06	8.99E-06
AC093702.1	2.189181883	3.473850658	3.57E-06	9.01E-06
AC023824.1	4.482117589	4.466316872	3.60E-06	9.07E-06
LINC02078	2.115936851	3.895523262	3.60E-06	9.07E-06
LINC02533	2.514530703	3.784307863	3.66E-06	9.21E-06
AC002463.1	3.323305686	2.934132602	3.68E-06	9.27E-06
AC004080.2	3.154075182	2.793286314	3.71E-06	9.34E-06
AC117465.1	2.617445765	2.813862768	3.80E-06	9.56E-06
LINC01322	2.98560888	4.631943902	4.06E-06	1.02E-05
Z97206.2	2.074283866	2.550172955	4.19E-06	1.05E-05
AC025183.1	3.484198049	2.870109769	4.24E-06	1.06E-05
AL133372.2	3.121066651	2.990500994	4.33E-06	1.08E-05
LINC02470	2.99802921	4.163537899	4.35E-06	1.08E-05
LINC02303	3.596057255	3.988447273	4.35E-06	1.08E-05
AC022173.1	2.359515324	3.677363369	4.44E-06	1.10E-05
AC040963.1	2.940357606	2.918031231	4.53E-06	1.12E-05
AC096721.1	2.706322988	2.449410019	4.59E-06	1.14E-05
AC005828.2	2.25783267	2.978533561	4.64E-06	1.15E-05
LINC01886	3.897573499	4.2614181	4.68E-06	1.16E-05
AL138974.1	3.588077318	3.28500251	4.82E-06	1.19E-05
AL356311.1	2.556879796	2.577462154	4.84E-06	1.19E-05
AC011483.1	2.649346027	2.828608988	4.89E-06	1.20E-05
AC093730.1	3.562828653	3.01497404	4.91E-06	1.21E-05
CYMP-AS1	2.88806193	4.514823037	4.99E-06	1.23E-05
SNHG27	3.273740751	3.362956196	5.00E-06	1.23E-05
AC096577.1	2.569784819	3.283678924	5.02E-06	1.23E-05
AC009135.1	3.028516105	2.553558321	5.04E-06	1.24E-05
AL513164.1	2.371164462	2.93834352	5.07E-06	1.25E-05

AL442647.1	2.029567432	3.292871385	5.26E-06	1.29E-05
LINC00879	4.203588331	3.201029082	5.36E-06	1.31E-05
MIR7-3HG	3.072146514	4.139655511	5.76E-06	1.41E-05
LINC01087	2.672694865	3.212660118	5.91E-06	1.44E-05
AC139722.1	2.93131084	2.709455019	5.93E-06	1.44E-05
LINC02315	2.191672839	6.035668431	6.06E-06	1.47E-05
TDRG1	2.816409777	2.799026921	6.26E-06	1.52E-05
AF130417.1	2.830117385	2.644492864	6.36E-06	1.54E-05
AC093001.1	3.912362231	5.296698106	6.39E-06	1.55E-05
AC092801.1	2.12761139	3.861184245	6.42E-06	1.55E-05
LINC01448	3.1581658	2.712722471	6.47E-06	1.57E-05
AL513324.1	2.846976972	2.611027524	6.55E-06	1.58E-05
AL162584.1	2.433175618	3.030528305	6.61E-06	1.60E-05
LINC00456	2.431092993	2.534914386	6.81E-06	1.64E-05
FP236383.1	2.576308078	3.23685722	6.92E-06	1.67E-05
AL132709.1	3.436353659	2.857375396	6.93E-06	1.67E-05
AC037487.2	2.452556207	3.591601667	6.97E-06	1.68E-05
AP002833.2	3.121851222	2.793412232	7.02E-06	1.69E-05
AC008456.1	2.138561321	2.517659453	7.07E-06	1.70E-05
AL033504.1	2.801862832	4.309753377	7.09E-06	1.70E-05
LINC02522	3.279154469	3.206433494	7.22E-06	1.73E-05
AC010486.3	2.841670822	2.497035887	7.33E-06	1.76E-05
AC068535.1	3.870572582	2.822707026	7.48E-06	1.79E-05
AC025211.1	2.135412676	2.862920437	7.50E-06	1.79E-05
EPHA5-AS1	3.027186556	3.368716507	7.60E-06	1.82E-05
AC007993.2	3.000942916	3.855426475	8.10E-06	1.93E-05
AC114912.1	2.817322853	2.609473854	8.16E-06	1.94E-05
AL512363.1	2.257963613	3.252172985	8.36E-06	1.98E-05
AC018541.1	4.532686957	3.39162298	8.47E-06	2.01E-05
AC084819.1	2.62215142	2.670951749	9.01E-06	2.13E-05
LINC02046	3.402905323	3.135731106	9.38E-06	2.21E-05
SOX1-OT	3.181488332	2.900667335	9.62E-06	2.26E-05
AC091151.1	3.011596199	2.767567663	9.81E-06	2.30E-05
AC239800.2	2.075449377	4.306320988	9.83E-06	2.31E-05
AC020687.1	3.01138292	2.704124673	9.93E-06	2.33E-05
AL358394.1	2.296801559	3.600945329	1.04E-05	2.44E-05
AC004009.1	3.410102336	2.727092762	1.07E-05	2.50E-05
AL161938.1	2.952364245	2.739031494	1.09E-05	2.55E-05
AL390763.2	2.019734985	4.06782993	1.10E-05	2.56E-05
AC112493.1	2.417574986	3.162018668	1.13E-05	2.63E-05

AC015574.1	3.9125963	3.441296115	1.14E-05	2.64E-05
AC106744.2	3.665677344	2.963271485	1.14E-05	2.65E-05
AC108865.2	2.28841731	2.594491718	1.14E-05	2.65E-05
LINC02307	3.241664466	2.84681488	1.18E-05	2.74E-05
DIO2-AS1	2.20993225	2.543254506	1.21E-05	2.81E-05
AC010145.1	3.711796723	2.786241424	1.25E-05	2.89E-05
AC131182.1	2.222558261	3.562261283	1.27E-05	2.93E-05
AC007368.2	2.25238651	2.660778918	1.32E-05	3.04E-05
AC109439.2	2.975339242	2.98952233	1.35E-05	3.10E-05
AC096669.1	2.960002585	2.594881564	1.37E-05	3.15E-05
LINC01551	2.962291083	3.008707466	1.38E-05	3.17E-05
LINC01060	2.01824677	4.336492791	1.41E-05	3.23E-05
AC003958.2	2.429998937	2.881957829	1.45E-05	3.31E-05
AC107398.3	2.001095505	4.895274105	1.53E-05	3.48E-05
MIR4300HG	2.594650089	2.821017491	1.55E-05	3.53E-05
LINC01788	2.93013581	2.865143749	1.63E-05	3.71E-05
B3GALT5-AS1	2.216013442	5.858093481	1.68E-05	3.82E-05
AP000997.2	2.147177063	2.744253889	1.71E-05	3.87E-05
ANO1-AS2	2.093601221	3.13528066	1.73E-05	3.91E-05
AC025254.1	3.326866423	2.736124582	1.76E-05	3.99E-05
AC131902.1	2.177549752	3.765819134	1.77E-05	4.00E-05
AF127577.2	2.020260338	3.732902913	1.77E-05	4.00E-05
EGLN3-AS1	2.248959255	2.638235027	1.81E-05	4.07E-05
AL137230.1	2.008815805	3.09074486	1.84E-05	4.14E-05
AC068389.4	2.284725299	3.0160662	1.95E-05	4.36E-05
AL161668.1	3.663944409	3.086709273	2.00E-05	4.48E-05
DPYD-AS2	2.597407768	3.669506009	2.02E-05	4.52E-05
LINC02282	3.035597862	2.616870465	2.03E-05	4.53E-05
AC007731.1	2.313251661	2.882988421	2.04E-05	4.56E-05
AC046158.1	2.040594604	3.183347262	2.05E-05	4.58E-05
AC002351.1	2.458678008	3.313124805	2.12E-05	4.73E-05
AC063926.1	2.549968929	2.79308748	2.13E-05	4.76E-05
AC103853.1	2.380139637	2.829143572	2.14E-05	4.78E-05
AC005722.3	2.292296726	3.667565563	2.17E-05	4.83E-05
AC012339.1	3.189900469	2.770581866	2.18E-05	4.86E-05
AC073651.1	2.409667493	3.690717866	2.31E-05	5.13E-05
C10orf71-AS1	2.222067728	3.271376035	2.38E-05	5.27E-05
LINC01940	2.208340041	4.031297385	2.46E-05	5.44E-05
AL162582.1	3.964841946	3.171329555	2.63E-05	5.79E-05
LINC02128	2.46590836	3.140695684	2.71E-05	5.95E-05

ZBTB20-AS5	2.440248538	3.974048315	2.72E-05	5.98E-05
PHACTR2-AS1	2.067297125	3.533408575	2.95E-05	6.44E-05
AL139120.1	2.875519068	3.140549764	3.02E-05	6.60E-05
CACNA1C-IT3	2.896380101	2.589247399	3.04E-05	6.63E-05
AC087482.1	2.180966733	3.375343409	3.04E-05	6.64E-05
AC111000.4	2.636508915	3.618521896	3.17E-05	6.89E-05
AC000061.1	2.382164636	4.231536043	3.17E-05	6.89E-05
LINC01470	2.14895723	2.801299443	3.24E-05	7.02E-05
AL391863.1	2.416067551	3.246336627	3.34E-05	7.21E-05
LINC01976	2.228471354	2.662382164	3.52E-05	7.57E-05
AC010099.4	2.08933148	3.406592097	3.52E-05	7.58E-05
FER1L6-AS1	3.230540994	3.13438037	3.52E-05	7.58E-05
AC010857.1	2.869360247	2.748874866	3.58E-05	7.69E-05
AL591501.1	2.760250579	3.505552083	3.61E-05	7.76E-05
AC100801.1	2.390008479	3.348047018	3.62E-05	7.78E-05
AC012506.3	2.6569832	2.656513061	3.79E-05	8.12E-05
LINC00200	3.418837644	4.888964747	3.91E-05	8.37E-05
LINC00488	3.002795098	3.086476968	4.02E-05	8.58E-05
AC117500.1	2.297054872	3.062791616	4.07E-05	8.69E-05
AC148477.3	2.02425135	3.093026002	4.50E-05	9.56E-05
LINC01192	2.769188691	2.927847161	4.54E-05	9.65E-05
LINC01425	3.130103192	2.976128515	4.69E-05	9.95E-05
LINC01179	2.208034273	2.807692006	4.71E-05	9.99E-05
AC092800.1	2.087664462	2.708779291	4.71E-05	9.99E-05
AL139393.1	2.64442759	3.701950549	5.11E-05	0.000107869
AL360091.2	2.20355854	3.006939463	5.23E-05	0.000110175
AC138761.4	2.249145947	2.630442196	5.27E-05	0.000111026
AC245128.1	3.573763713	3.322547633	5.27E-05	0.000111062
DSCR10	2.577147493	2.638908039	5.32E-05	0.000111958
AC110813.1	2.676440285	3.770890301	5.36E-05	0.000112786
LINC02228	2.278228655	3.460944422	5.43E-05	0.000114326
AC104232.2	2.764958314	2.879770615	5.45E-05	0.000114549
AC036222.1	2.652494992	4.105345504	5.46E-05	0.000114865
AC010609.1	2.074313809	2.682524463	5.51E-05	0.000115786
DANT1	2.55599412	2.775894368	5.78E-05	0.000120942
LINC02312	2.242291339	2.664839308	6.00E-05	0.000125296
AC010967.1	2.359161787	2.749303293	6.34E-05	0.000132049
LINC00440	2.545355975	2.876436827	6.39E-05	0.000132955
AP001803.2	2.264028606	3.212471632	6.41E-05	0.00013331
LINC01443	2.370713134	4.166475965	6.79E-05	0.000140587

LINC00485	2.213870708	2.923791739	6.88E-05	0.000142326
LINC02055	2.088936814	4.907077202	7.25E-05	0.000149635
AL034349.1	2.54702603	3.136243815	7.31E-05	0.00015081
AC092447.5	2.44276128	3.872083858	7.46E-05	0.000153614
AC009646.2	2.591136291	3.513321772	7.58E-05	0.000155885
AC012363.1	2.71385689	2.65932238	7.65E-05	0.000157161
AC012568.1	2.517364227	2.97270587	7.73E-05	0.000158681
AL021395.1	2.743868621	4.184868185	7.76E-05	0.000159293
AL079304.1	2.462700667	2.554250053	7.77E-05	0.000159414
LINC02310	2.373767832	2.68645387	7.81E-05	0.000160091
AC007448.2	2.127976228	2.803562677	8.34E-05	0.000170269
LINC01574	2.21311775	2.706225508	8.35E-05	0.000170396
ASTN2-AS1	2.225482055	2.868019639	8.60E-05	0.000175047
C5orf17	2.013111112	6.330043079	8.65E-05	0.000176079
FP671120.3	2.059337332	3.141511501	9.01E-05	0.000182981
AP000844.2	2.203376419	4.834477184	9.13E-05	0.000185328
LINC01995	2.006045189	2.73855589	9.40E-05	0.000190309
AC018442.2	2.204284958	2.643248641	9.71E-05	0.000196234
AC079866.2	2.05003208	2.839070517	9.93E-05	0.000200367
MIR124-2HG	2.84792981	2.506033029	0.000101317	0.000203964
LINC01317	2.002798888	3.526709159	0.000101845	0.000204934
MIR670HG	2.807762666	3.072054764	0.000105673	0.000212156
AC103409.1	2.750899496	2.996044799	0.000106126	0.000213019
AL596442.1	2.483294648	2.772284464	0.000108887	0.000218167
FP236383.3	3.633079734	4.314595118	0.000110191	0.00022058
AP003108.1	2.286182225	3.871340363	0.000112069	0.000224138
AC023905.1	2.27170096	2.56876513	0.000116874	0.000232963
AC110921.1	2.09676636	2.680156738	0.000119421	0.000237507
AC104982.1	2.00842021	3.042107498	0.00012362	0.000245309
LINC01580	2.683666881	2.612389916	0.000124276	0.000246557
ARHGEF3-AS1	2.391983831	2.547603262	0.000125408	0.000248692
AC060834.2	2.743669893	2.723902232	0.000128825	0.00025507
MIR3976HG	3.35320924	2.902348816	0.000129695	0.00025645
AC009686.1	2.00539152	2.737822009	0.000130347	0.000257566
LINC02027	2.039502438	2.769140141	0.000138562	0.000272892
AL157402.2	2.747289447	3.544095822	0.00014089	0.000277168
AC125616.1	2.114324081	2.696564542	0.000145243	0.000285038
AC105031.2	3.232548992	2.931557208	0.00014534	0.000285167
AC130895.1	2.447127913	3.419513286	0.000147774	0.000289495
AC008517.1	3.016352449	2.729698592	0.000148657	0.000290969



AC113398.2	2.95426687	2.79248777	0.00015651	0.000305399
AC022201.1	2.402044327	2.704896453	0.000166627	0.000324134
LINC02437	3.003410828	3.062941224	0.000166658	0.000324134
AL445223.1	2.130428371	3.468284192	0.000168206	0.000326887
AC093903.1	2.505173728	4.093918738	0.000176876	0.000342584
AL513188.1	2.087781716	2.633786165	0.000179269	0.000346841
AL365258.1	2.508847313	2.74532347	0.000184031	0.000355667
AL390774.2	2.077999814	2.837653157	0.000185694	0.000358571
AC090220.1	2.343642562	3.255666309	0.000186366	0.000359712
AC005863.1	2.037238894	2.876617632	0.000206461	0.000395921
AC016716.2	2.525097984	2.468019725	0.00021066	0.000403624
LINC01475	2.721223965	2.881477666	0.000230561	0.000440049
AC106876.1	2.413221822	4.635539586	0.000245344	0.000466064
AP000462.2	2.903517028	3.361053163	0.000261657	0.00049452
LINC02241	2.657904301	5.730986489	0.000262224	0.000495486
AC009313.1	2.138612441	2.588350443	0.000268198	0.000506236
LINC01040	2.911584502	2.59913743	0.000285201	0.000536621
AC015522.1	2.519347697	2.625532703	0.000288616	0.000542244
AC107886.1	2.186652185	2.772691425	0.000300743	0.000563226
LINC01158	2.977457946	3.380001726	0.000309433	0.000577695
ATG10-AS1	2.3672828	2.530506319	0.000310842	0.00057996
LPP-AS1	2.471177962	3.166442623	0.000318343	0.000592836
LINC02008	2.556811128	2.86282004	0.000332242	0.000616925
AL022313.4	2.826303938	3.095950609	0.000336124	0.000623469
AC098868.1	2.443966859	2.675991982	0.000350451	0.000648152
AC096741.1	2.467294391	3.71069966	0.00035435	0.000655092
AC008060.4	2.486544255	2.850140972	0.000382471	0.000704006
AL121900.1	2.129912076	2.722512572	0.000414513	0.000759997
LINC01878	2.108059537	2.444045095	0.000424068	0.000776077
AL139002.1	2.779424865	3.279974579	0.000444699	0.00081133
AC023824.3	2.423490844	2.802671753	0.000535848	0.000967114
AC099313.1	2.05971902	2.432396844	0.000540427	0.000974983
AC144521.1	2.376071079	2.699967148	0.000551005	0.000992656
AC090116.1	2.196668728	2.738906101	0.000567849	0.001020936
BIRC6-AS1	2.16657188	2.989870748	0.000579238	0.001039584
AL357033.2	2.187437246	2.845408317	0.000599163	0.001072898
AL031658.2	2.63432587	3.092136464	0.000652708	0.001161066
AP000462.1	2.123833215	3.422468318	0.000665489	0.001182793
LINC01205	2.339111429	3.092121259	0.000682198	0.001210619
AC023347.1	2.271862698	3.061044468	0.000719925	0.001274011

AC068643.1	2.333033997	5.117232646	0.000740119	0.001306912
LINC02050	2.12722217	3.025610216	0.000806275	0.001416675
AL035634.1	2.010054746	2.905654758	0.000832298	0.00145894
AC104137.1	2.231114805	2.667649763	0.000878365	0.001533046
AC016493.1	2.218707729	2.853059474	0.000920886	0.00160223
C8orf87	2.010485956	3.434643378	0.000946003	0.001644322
AC090707.1	2.149920884	2.745554871	0.000950661	0.001651451
LINC01793	2.735669847	3.400954837	0.000966337	0.001677045
AC100763.1	2.291478617	2.899957746	0.000969796	0.001682392
HECW1-IT1	2.055407306	2.444072624	0.001002866	0.001737727
AC090802.1	2.193770504	2.666735249	0.00107716	0.001855978
AC103770.1	2.279296185	3.26266131	0.001149385	0.001971261
AC055733.2	2.072341641	2.43896367	0.001234208	0.002107798
AC090753.1	2.350915945	2.722254175	0.001316174	0.002236616
AC008568.1	2.50797387	2.89801515	0.001328002	0.002255423
AC013437.1	2.195512594	2.568915183	0.001415787	0.002391728
AL117341.1	2.133562085	2.504603304	0.001484347	0.002499953
AP001970.1	2.039532508	2.491086825	0.001552697	0.002604222
AL391095.2	2.220543765	2.76287017	0.001605155	0.002685119
AC016576.1	2.014779609	2.58953539	0.001637951	0.002735863
AP000897.1	2.074026238	2.698971893	0.001751077	0.002913331
AL139042.1	2.060072572	3.027757743	0.002076213	0.003411523
CACNA1C-AS4	2.055576562	3.086401143	0.002589053	0.004199893
AC022537.1	2.289797122	2.725200544	0.002992453	0.004813029
ZBTB20-AS3	2.109085084	2.806461636	0.003367972	0.005382946
AC069079.1	2.061129837	2.663898824	0.003424277	0.005466063
AL589863.1	2.158172517	3.087129707	0.003776749	0.005975095
LINC02106	2.406528779	3.361872836	0.004520614	0.007060284
AC008808.2	2.086150969	3.542941138	0.005086808	0.007883666

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