

**Table S4 Identified RNAs in turquoise module**

<b>Rna</b>	<b>Type</b>	<b>GS.</b>	<b>p.GS.</b>	<b>MMturquoise</b>	<b>p.MMturquoise</b>
ABCA9-AS1	lncRNA	0.201868972	4.23E-06	-0.32227374	8.18E-14
AC000032.1	lncRNA	0.093255834	0.035073492	-0.152612072	0.00053679
AC002066.1	lncRNA	-0.63020389	6.45E-58	0.62290732	3.01E-56
AC002076.1	lncRNA	0.195429843	8.59E-06	-0.219427065	5.46E-07
AC002351.1	lncRNA	0.088787977	0.044842597	-0.124276975	0.00490277
AC002398.2	lncRNA	-0.66273248	6.23E-66	0.675562962	2.24E-69
AC002451.1	lncRNA	-0.6239563	1.74E-56	0.670720557	4.68E-68
AC002463.1	lncRNA	0.048887735	0.269994316	-0.071739488	0.105273214
AC002511.1	lncRNA	0.063297237	0.153066742	-0.089462766	0.043234679
AC002546.1	lncRNA	-0.31304434	4.42E-13	0.330227364	1.82E-14
AC003070.2	lncRNA	-0.43939087	1.56E-25	0.419274765	3.58E-23
AC003092.1	lncRNA	0.020713399	0.640402406	0.025288884	0.568437418
AC003958.2	lncRNA	0.082446805	0.062554763	-0.10153963	0.021695921
AC003991.1	lncRNA	-0.66199253	9.73E-66	0.712407394	2.55E-80
AC004053.1	lncRNA	0.176509488	6.03E-05	-0.220857828	4.59E-07
AC004066.2	lncRNA	-0.43034808	1.88E-24	0.485082901	1.61E-31
AC004080.4	lncRNA	0.160802725	0.000262371	-0.237822156	5.29E-08
AC004158.1	lncRNA	0.021763331	0.623553644	-0.021949495	0.62058624
AC004221.1	lncRNA	0.203221651	3.64E-06	-0.288114131	3.17E-11
AC004540.2	lncRNA	-0.3957567	1.32E-20	0.42259871	1.49E-23
AC004816.1	lncRNA	0.222624478	3.69E-07	-0.224124787	3.07E-07
AC004817.4	lncRNA	0.094809034	0.03213176	-0.189242923	1.66E-05
AC004852.2	lncRNA	0.057151681	0.197112481	-0.098239647	0.026373109
AC004870.2	lncRNA	0.061432302	0.165562174	-0.056058931	0.205827917
AC004875.1	lncRNA	0.040894907	0.356234425	-0.02924467	0.509506108
AC004888.1	lncRNA	0.09055415	0.040736987	-0.078457977	0.076401909
AC004920.1	lncRNA	0.151523463	0.000588826	-0.198818006	5.94E-06
AC004947.1	lncRNA	-0.62469614	1.18E-56	0.623067573	2.77E-56
AC004982.1	lncRNA	-0.69704166	1.49E-75	0.762948637	1.70E-98
AC004990.1	lncRNA	0.144203644	0.001079718	-0.233540222	9.28E-08
AC005042.2	lncRNA	0.096312708	0.029487311	-0.145321652	0.000985966
AC005064.1	lncRNA	0.095102581	0.031600149	-0.179665714	4.41E-05
AC005162.2	lncRNA	0.14330477	0.001160984	-0.166777299	0.000152246
AC005180.1	lncRNA	-0.66339252	4.18E-66	0.654808497	6.90E-64
AC005180.2	lncRNA	-0.62670325	4.13E-57	0.623639012	2.06E-56
AC005197.1	lncRNA	0.13700214	0.001908977	-0.19443084	9.57E-06
AC005256.1	lncRNA	0.118605945	0.007273883	-0.145081365	0.001005458
AC005277.2	lncRNA	-0.63654652	2.10E-59	0.643522723	4.42E-61
AC005291.1	lncRNA	0.090578021	0.040683748	-0.087054692	0.049204632
AC005291.2	lncRNA	0.091168553	0.039385326	-0.076514348	0.084001046
AC005307.1	lncRNA	0.025155792	0.570475305	-0.011415835	0.796843059
AC005324.1	lncRNA	-0.31665221	2.30E-13	0.31804194	1.79E-13
AC005329.1	lncRNA	0.124105941	0.004962599	-0.212721325	1.22E-06
AC005330.1	lncRNA	0.139938908	0.001517933	-0.167627644	0.000140683
AC005358.2	lncRNA	-0.5517685	4.76E-42	0.606088475	1.45E-52
AC005381.1	lncRNA	0.032125365	0.468689841	-0.027492998	0.53520318
AC005537.1	lncRNA	0.290587255	2.12E-11	-0.341786278	1.90E-15
AC005592.1	lncRNA	-0.4311191	1.52E-24	0.474274146	5.08E-30
AC005722.2	lncRNA	0.104601125	0.018018306	-0.183222157	3.09E-05
AC005722.3	lncRNA	0.106350883	0.01617108	-0.199450086	5.54E-06
AC005736.1	lncRNA	-0.4724466	8.99E-30	0.544244405	9.69E-41
AC005740.4	lncRNA	-0.7423444	1.43E-90	0.808090309	4.48E-119
AC005753.1	lncRNA	-0.53456942	4.18E-39	0.575170982	2.44E-46

AC005856.1	lncRNA	-0.82034996	1.24E-125	0.836682784	3.46E-135
AC005863.1	lncRNA	0.103396079	0.019395271	-0.08562846	0.053055161
AC005865.1	lncRNA	0.198778479	5.96E-06	-0.27074671	4.91E-10
AC005884.1	lncRNA	-0.84429852	5.18E-140	0.861021398	1.40E-151
AC005901.1	lncRNA	-0.52280511	3.46E-37	0.512127536	1.64E-35
AC005906.2	lncRNA	0.050165194	0.257661596	-0.09731575	0.027828999
AC005908.2	lncRNA	-0.35705236	8.25E-17	0.36700193	9.74E-18
AC005993.1	lncRNA	0.203396796	3.57E-06	-0.275089392	2.52E-10
AC006042.4	lncRNA	-0.53059341	1.89E-38	0.612819974	5.18E-54
AC006064.3	lncRNA	0.222124527	3.93E-07	-0.32766936	2.97E-14
AC006159.1	lncRNA	-0.64803825	3.44E-62	0.655575327	4.40E-64
AC006206.1	lncRNA	0.134304593	0.002347339	-0.145546979	0.000968006
AC006206.2	lncRNA	0.294230206	1.16E-11	-0.343465865	1.36E-15
AC006238.1	lncRNA	-0.56006707	1.57E-43	0.613909644	3.00E-54
AC006262.1	lncRNA	0.183030453	3.15E-05	-0.178312973	5.05E-05
AC006262.3	lncRNA	0.022013659	0.619564909	-0.027375211	0.536954198
AC006273.1	lncRNA	-0.76526006	1.96E-99	0.761100856	9.42E-98
AC006305.1	lncRNA	0.272652503	3.67E-10	-0.360613595	3.87E-17
AC006329.1	lncRNA	0.210371797	1.61E-06	-0.300492479	4.00E-12
AC006357.1	lncRNA	0.10233849	0.020678384	-0.111122547	0.011950694
AC006372.1	lncRNA	0.0738989	0.095177101	-0.078170878	0.077487882
AC006450.3	lncRNA	0.08427956	0.056924732	-0.079815071	0.071434919
AC006487.1	lncRNA	0.116606675	0.008327839	-0.102406996	0.02059309
AC006946.2	lncRNA	0.12646375	0.004193129	-0.123314324	0.005248174
AC007126.1	lncRNA	0.025525706	0.56481987	-0.01692689	0.702663226
AC007128.1	lncRNA	0.355504278	1.14E-16	-0.442824106	5.94E-26
AC007128.2	lncRNA	0.330951165	1.59E-14	-0.410185657	3.71E-22
AC007159.1	lncRNA	0.027061446	0.541632612	-0.007325058	0.868800801
AC007182.1	lncRNA	-0.23412639	8.60E-08	0.200619924	4.87E-06
AC007193.2	lncRNA	-0.3530251	1.92E-16	0.332127309	1.26E-14
AC007207.2	lncRNA	-0.29175275	1.75E-11	0.339113267	3.23E-15
AC007249.1	lncRNA	0.133675246	0.002462023	-0.226150453	2.38E-07
AC007250.1	lncRNA	0.127842177	0.003794956	-0.167704255	0.000139682
AC007278.2	lncRNA	-0.45046005	6.68E-27	0.495650981	4.90E-33
AC007342.4	lncRNA	0.177056953	5.71E-05	-0.253400279	6.28E-09
AC007389.3	lncRNA	0.093425394	0.034741583	-0.112471691	0.010949433
AC007405.1	lncRNA	-0.69114144	8.38E-74	0.705877738	2.95E-78
AC007639.1	lncRNA	0.245084923	1.99E-08	-0.236609055	6.21E-08
AC007663.2	lncRNA	-0.48426089	2.11E-31	0.499449002	1.35E-33
AC007671.1	lncRNA	-0.6040354	3.95E-52	0.648706428	2.35E-62
AC007743.1	lncRNA	-0.50484181	2.12E-34	0.486101494	1.16E-31
AC007785.1	lncRNA	0.093968383	0.033696635	-0.100837687	0.022625596
AC007848.1	lncRNA	0.208597924	1.97E-06	-0.252771616	6.86E-09
AC007881.3	lncRNA	0.19500674	8.99E-06	-0.287615822	3.44E-11
AC007907.1	lncRNA	0.144612455	0.001044523	-0.165080748	0.00017803
AC007966.1	lncRNA	0.146085346	0.00092631	-0.166375789	0.000158011
AC007991.3	lncRNA	0.055660609	0.209073234	-0.049060782	0.268300471
AC007996.1	lncRNA	0.153553799	0.000495255	-0.204459191	3.16E-06
AC007998.3	lncRNA	-0.34333717	1.39E-15	0.357506091	7.50E-17
AC008011.2	lncRNA	0.142963353	0.001193301	-0.231238303	1.25E-07
AC008060.4	lncRNA	0.054120729	0.221966786	-0.073313088	0.097836343
AC008083.1	lncRNA	0.092948448	0.035682074	-0.101481781	0.021771265
AC008109.1	lncRNA	0.114424839	0.009631601	-0.14969929	0.000686637
AC008114.1	lncRNA	0.110726149	0.012259871	-0.143479765	0.001144734
AC008115.2	lncRNA	0.168277555	0.000132407	-0.175525764	6.63E-05
AC008268.1	lncRNA	-0.72739799	2.78E-85	0.718403824	2.89E-82

AC008278.1	lncRNA	0.077584829	0.079743574	-0.113480238	0.010250232
AC008403.3	lncRNA	0.155834367	0.000406727	-0.206889372	2.40E-06
AC008406.3	lncRNA	0.142856983	0.001203537	-0.201586193	4.37E-06
AC008443.3	lncRNA	0.179909468	4.31E-05	-0.229437937	1.57E-07
AC008464.1	lncRNA	0.05566851	0.209008501	-0.057814879	0.191956109
AC008517.1	lncRNA	0.049573991	0.263319842	-0.093865552	0.033892444
AC008556.1	lncRNA	0.219589013	5.36E-07	-0.317089136	2.13E-13
AC008649.1	lncRNA	0.136836616	0.001933549	-0.240034874	3.95E-08
AC008663.1	lncRNA	0.092107358	0.037393409	-0.136250438	0.002022914
AC008669.1	lncRNA	-0.71915408	1.63E-82	0.731654539	9.43E-87
AC008687.2	lncRNA	0.173180417	8.32E-05	-0.209091768	1.86E-06
AC008708.1	lncRNA	0.054923705	0.215174263	-0.083163708	0.060300122
AC008750.3	lncRNA	0.135349173	0.002167706	-0.215671141	8.59E-07
AC009061.1	lncRNA	0.174600184	7.26E-05	-0.225031173	2.74E-07
AC009081.1	lncRNA	0.133638391	0.002468895	-0.195868089	8.19E-06
AC009097.2	lncRNA	0.239753622	4.10E-08	-0.297818787	6.32E-12
AC009118.1	lncRNA	0.077674132	0.079396451	-0.14906327	0.000724139
AC009118.2	lncRNA	0.19995817	5.24E-06	-0.307459442	1.19E-12
AC009121.1	lncRNA	0.219146267	5.65E-07	-0.278273995	1.53E-10
AC009123.1	lncRNA	0.242875271	2.69E-08	-0.298728525	5.41E-12
AC009262.1	lncRNA	0.257388227	3.55E-09	-0.311244195	6.11E-13
AC009264.1	lncRNA	0.202451093	3.97E-06	-0.300533319	3.98E-12
AC009271.1	lncRNA	0.253602004	6.10E-09	-0.336016306	5.94E-15
AC009275.1	lncRNA	0.12033187	0.006461774	-0.138624364	0.001682852
AC009292.1	lncRNA	0.076830832	0.082723655	-0.087074114	0.049153855
AC009501.1	lncRNA	0.127497618	0.003891137	-0.200603633	4.87E-06
AC009630.2	lncRNA	0.168226798	0.000133036	-0.211153878	1.47E-06
AC009646.2	lncRNA	0.054172581	0.22152359	-0.050377468	0.255650645
AC009806.1	lncRNA	-0.74039692	7.33E-90	0.759113007	5.84E-97
AC009955.1	lncRNA	0.166967512	0.000149584	-0.192428195	1.19E-05
AC009955.2	lncRNA	0.149279685	0.000711171	-0.193248449	1.09E-05
AC009974.1	lncRNA	-0.62004683	1.32E-55	0.687737278	8.21E-73
AC009988.1	lncRNA	0.087069547	0.049165793	-0.132156784	0.002760074
AC010099.4	lncRNA	0.14234119	0.001254331	-0.18090408	3.90E-05
AC010148.1	lncRNA	0.253793922	5.94E-09	-0.35720704	7.99E-17
AC010168.1	lncRNA	0.294383977	1.13E-11	-0.432468914	1.05E-24
AC010175.1	lncRNA	-0.56388887	3.15E-44	0.645187501	1.73E-61
AC010271.2	lncRNA	0.136035831	0.002056565	-0.148334606	0.000769432
AC010275.1	lncRNA	0.257272173	3.61E-09	-0.369353246	5.81E-18
AC010280.1	lncRNA	0.152489856	0.000542411	-0.261553375	1.94E-09
AC010307.2	lncRNA	0.089487122	0.043177563	-0.143374821	0.001154454
AC010327.3	lncRNA	0.057858314	0.191621886	-0.047638974	0.282434351
AC010329.1	lncRNA	-0.52971766	2.64E-38	0.57961416	3.41E-47
AC010343.3	lncRNA	0.122112544	0.005710062	-0.17179109	9.50E-05
AC010478.1	lncRNA	0.066991304	0.130444882	-0.055387325	0.211321081
AC010491.1	lncRNA	0.24457881	2.14E-08	-0.269049426	6.35E-10
AC010501.1	lncRNA	0.177709174	5.36E-05	-0.245252082	1.95E-08
AC010595.1	lncRNA	0.284087876	6.09E-11	-0.37583727	1.37E-18
AC010605.1	lncRNA	0.159479486	0.000295235	-0.227142969	2.10E-07
AC010719.1	lncRNA	0.256727939	3.90E-09	-0.226112785	2.39E-07
AC010731.2	lncRNA	0.172890948	8.55E-05	-0.2648098	1.20E-09
AC010735.1	lncRNA	0.088311392	0.046008283	-0.061665129	0.163961636
AC010776.2	lncRNA	-0.53958051	6.04E-40	0.547036649	3.19E-41
AC010776.3	lncRNA	-0.6753621	2.54E-69	0.661832644	1.07E-65
AC010789.1	lncRNA	0.132656661	0.00265851	-0.140260872	0.001479871
AC010894.3	lncRNA	0.143411471	0.001151051	-0.145709759	0.000955219

AC010913.1	lncRNA	0.19716063	7.12E-06	-0.289287157	2.62E-11
AC010967.1	lncRNA	0.057819573	0.191919973	-0.079683047	0.071906242
AC010969.1	lncRNA	0.077882414	0.078591614	-0.112106108	0.011213129
AC010976.2	lncRNA	-0.65907103	5.58E-65	0.690568914	1.23E-73
AC010980.2	lncRNA	0.173088646	8.39E-05	-0.239793167	4.07E-08
AC010998.1	lncRNA	-0.78412457	1.57E-107	0.78709507	7.03E-109
AC011005.4	lncRNA	0.24504704	2.00E-08	-0.355257387	1.20E-16
AC011287.1	lncRNA	0.208176282	2.07E-06	-0.303779142	2.27E-12
AC011287.2	lncRNA	0.155289817	0.000426413	-0.194316673	9.69E-06
AC011298.1	lncRNA	0.044794972	0.312192721	-0.029351385	0.507961672
AC011337.1	lncRNA	0.222959775	3.54E-07	-0.2712392	4.56E-10
AC011352.1	lncRNA	0.159315404	0.000299568	-0.090996961	0.039758946
AC011352.3	lncRNA	0.153314351	0.000505523	-0.076630018	0.083532345
AC011365.2	lncRNA	-0.49981869	1.19E-33	0.596744735	1.30E-50
AC011369.1	lncRNA	0.120201186	0.006520291	-0.176750161	5.88E-05
AC011374.1	lncRNA	0.197976011	6.51E-06	-0.295183597	9.85E-12
AC011444.2	lncRNA	-0.61606456	1.01E-54	0.681198603	6.03E-71
AC011444.3	lncRNA	-0.64949194	1.50E-62	0.652445033	2.73E-63
AC011498.3	lncRNA	0.199296245	5.63E-06	-0.26227399	1.74E-09
AC011511.5	lncRNA	-0.56694856	8.59E-45	0.590315245	2.64E-49
AC011601.1	lncRNA	0.093826255	0.033967528	-0.100113122	0.023621245
AC011632.1	lncRNA	0.241125758	3.41E-08	-0.322277523	8.17E-14
AC011899.2	lncRNA	-0.75485982	2.73E-95	0.802966422	1.79E-116
AC011899.3	lncRNA	-0.69886632	4.20E-76	0.753980089	5.98E-95
AC011944.1	lncRNA	-0.57708433	1.05E-46	0.642331441	8.61E-61
AC012174.1	lncRNA	0.150048586	0.000666815	-0.169660127	0.000116298
AC012213.1	lncRNA	0.212785006	1.21E-06	-0.264666397	1.23E-09
AC012213.4	lncRNA	0.18075031	3.96E-05	-0.231944385	1.14E-07
AC012349.1	lncRNA	-0.39996233	4.73E-21	0.414756412	1.15E-22
AC012354.1	lncRNA	0.08509051	0.054571264	-0.128426109	0.003636863
AC012355.1	lncRNA	0.062385249	0.159084841	-0.102932752	0.019948604
AC012360.1	lncRNA	0.223320221	3.39E-07	-0.318269733	1.71E-13
AC012363.1	lncRNA	0.100371538	0.023261882	-0.148674151	0.000748009
AC012409.1	lncRNA	-0.42100154	2.27E-23	0.451717051	4.63E-27
AC012409.3	lncRNA	-0.63480828	5.41E-59	0.66126211	1.51E-65
AC012447.1	lncRNA	0.155268665	0.000427196	-0.213975824	1.05E-06
AC012467.1	lncRNA	-0.54056601	4.11E-40	0.590297133	2.66E-49
AC012501.1	lncRNA	0.120945674	0.006193183	-0.206577104	2.49E-06
AC012511.1	lncRNA	-0.5665508	1.02E-44	0.64237812	8.39E-61
AC012531.1	lncRNA	0.172196985	9.14E-05	-0.154235411	0.000467078
AC012625.1	lncRNA	0.137174147	0.001883746	-0.175519513	6.64E-05
AC012640.1	lncRNA	0.253527855	6.16E-09	-0.27747682	1.74E-10
AC012640.2	lncRNA	0.239812052	4.06E-08	-0.285131371	5.15E-11
AC013275.1	lncRNA	-0.55588965	8.84E-43	0.639402682	4.38E-60
AC013391.3	lncRNA	0.147882374	0.000798846	-0.197756899	6.67E-06
AC013457.1	lncRNA	-0.43303713	9.02E-25	0.435878692	4.13E-25
AC013509.1	lncRNA	0.093720276	0.034170728	-0.123818695	0.005064562
AC013553.3	lncRNA	-0.70805694	6.13E-79	0.79148143	6.52E-111
AC013640.1	lncRNA	0.05520211	0.212854405	-0.06261425	0.157557162
AC013652.1	lncRNA	0.338300658	3.79E-15	-0.45517184	1.69E-27
AC013652.2	lncRNA	0.175110735	6.91E-05	-0.208819153	1.92E-06
AC013731.1	lncRNA	0.272893038	3.54E-10	-0.354046855	1.55E-16
AC015660.1	lncRNA	0.142314709	0.001256991	-0.172543407	8.84E-05
AC015712.4	lncRNA	0.0308355	0.486739269	-0.038468075	0.385517857
AC015818.2	lncRNA	0.177522346	5.46E-05	-0.280470815	1.09E-10
AC015908.2	lncRNA	-0.43075533	1.68E-24	0.494604435	6.96E-33

AC015914.1	lncRNA	-0.71452611	5.31E-81	0.735564807	3.97E-88
AC016205.1	lncRNA	0.241636285	3.18E-08	-0.321175666	1.00E-13
AC016573.1	lncRNA	0.167765497	0.000138888	-0.211257603	1.45E-06
AC016687.3	lncRNA	0.053737314	0.22526364	-0.044820505	0.311916712
AC016717.2	lncRNA	-0.37498473	1.66E-18	0.422095933	1.71E-23
AC016730.1	lncRNA	0.086054121	0.051880532	-0.104710797	0.017897332
AC016737.1	lncRNA	0.231034638	1.28E-07	-0.310963542	6.42E-13
AC016888.1	lncRNA	0.247304415	1.47E-08	-0.377590882	9.22E-19
AC016910.1	lncRNA	-0.52703068	7.22E-38	0.55493879	1.31E-42
AC016912.1	lncRNA	0.033361682	0.451742166	-0.049893496	0.260251412
AC017083.1	lncRNA	0.254649097	5.26E-09	-0.347856751	5.57E-16
AC017100.1	lncRNA	0.215705116	8.56E-07	-0.266799081	8.91E-10
AC018529.1	lncRNA	-0.68899534	3.55E-73	0.692159819	4.21E-74
AC018558.1	lncRNA	0.061971596	0.161872625	-0.091289666	0.03912341
AC018616.1	lncRNA	0.171025608	0.000102212	-0.227520344	2.00E-07
AC018647.1	lncRNA	-0.72848325	1.18E-85	0.770678248	1.11E-101
AC018685.2	lncRNA	0.106336526	0.016185534	-0.133263801	0.002539739
AC018695.2	lncRNA	0.177672876	5.38E-05	-0.198166316	6.38E-06
AC018695.6	lncRNA	0.200908731	4.71E-06	-0.254816265	5.13E-09
AC018716.1	lncRNA	0.120174565	0.00653227	-0.156543644	0.000382353
AC018716.2	lncRNA	0.135355646	0.002166633	-0.192488016	1.18E-05
AC018755.4	lncRNA	-0.6482358	3.08E-62	0.746826937	3.14E-92
AC018767.2	lncRNA	0.064283165	0.146756667	-0.083476612	0.05933732
AC018781.1	lncRNA	0.146808904	0.000872882	-0.205626165	2.77E-06
AC018866.1	lncRNA	0.030124963	0.496839706	-0.075716568	0.087291765
AC018953.1	lncRNA	0.137709032	0.001807224	-0.180071636	4.24E-05
AC019064.1	lncRNA	0.048380295	0.275003439	-0.073374604	0.097554345
AC019068.1	lncRNA	0.11441284	0.009639246	-0.148171686	0.000779911
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AC019080.4	lncRNA	0.125322951	0.004550827	-0.208262337	2.05E-06
AC019155.3	lncRNA	0.138963381	0.001638816	-0.160119171	0.000278895
AC019185.2	lncRNA	0.130074305	0.003222321	-0.181874508	3.54E-05
AC019193.2	lncRNA	-0.66479355	1.79E-66	0.687582734	9.10E-73
AC019197.1	lncRNA	0.101533553	0.021703825	-0.166318534	0.000158849
AC019211.1	lncRNA	0.22256396	3.72E-07	-0.276514387	2.02E-10
AC020551.1	lncRNA	0.079491124	0.072595927	-0.135097353	0.002209823
AC020637.1	lncRNA	0.053736975	0.225266564	-0.052603164	0.235219472
AC020658.3	lncRNA	0.199913395	5.26E-06	-0.246217294	1.71E-08
AC020658.4	lncRNA	0.210952011	1.50E-06	-0.295984789	8.61E-12
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AC020907.1	lncRNA	0.161186517	0.000253499	-0.255121951	4.91E-09
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AC020934.1	lncRNA	0.071182141	0.108012048	-0.082479324	0.06245101
AC021087.4	lncRNA	0.137772451	0.001798342	-0.153695848	0.000489255
AC021504.1	lncRNA	0.269396517	6.03E-10	-0.365463825	1.36E-17
AC021534.1	lncRNA	0.049348701	0.265498358	-0.068540148	0.121767538
AC021546.1	lncRNA	-0.47892389	1.17E-30	0.52594128	1.08E-37
AC021683.2	lncRNA	0.072594504	0.101178755	-0.06892661	0.119674155
AC021683.3	lncRNA	0.095476309	0.030934233	-0.142244499	0.00126407
AC021785.1	lncRNA	0.136785331	0.001941221	-0.204146799	3.28E-06
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AC022075.1	lncRNA	0.246305412	1.69E-08	-0.329522634	2.08E-14
AC022075.2	lncRNA	0.16809434	0.000134692	-0.213138114	1.16E-06
AC022079.1	lncRNA	0.07427451	0.093502642	-0.108921912	0.013758134

AC022140.1	lncRNA	0.052455367	0.236539388	-0.068060262	0.124406583
AC022164.1	lncRNA	-0.6924651	3.42E-74	0.788271087	2.03E-109
AC022201.1	lncRNA	0.107783484	0.014784425	-0.18962755	1.59E-05
AC022217.2	lncRNA	-0.48789516	6.44E-32	0.520913089	6.92E-37
AC022274.1	lncRNA	0.189157973	1.67E-05	-0.244554187	2.14E-08
AC022405.1	lncRNA	0.178214582	5.10E-05	-0.223039532	3.51E-07
AC022509.1	lncRNA	0.081344483	0.066156793	-0.044983968	0.31015348
AC022568.1	lncRNA	0.055005035	0.214494696	-0.047324892	0.285623241
AC022639.1	lncRNA	0.206750429	2.44E-06	-0.315289527	2.95E-13
AC022762.1	lncRNA	0.159239772	0.000301585	-0.223688047	3.24E-07
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AC022784.3	lncRNA	0.175688193	6.53E-05	-0.233702555	9.08E-08
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AC022929.2	lncRNA	0.120029721	0.00659779	-0.123224141	0.005281629
AC023034.1	lncRNA	0.263582132	1.44E-09	-0.328863601	2.36E-14
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AC023347.1	lncRNA	0.058091951	0.189831418	-0.075219125	0.089395611
AC023449.2	lncRNA	-0.44351927	4.88E-26	0.545236809	6.54E-41
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AC023824.5	lncRNA	0.035215188	0.426993372	-0.04538611	0.305843662
AC023886.1	lncRNA	0.081682231	0.06503547	-0.081375493	0.066053182
AC023906.2	lncRNA	0.17044118	0.000108032	-0.247090836	1.51E-08
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AC024257.1	lncRNA	-0.77310827	1.04E-102	0.777988115	8.25E-105
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AC024475.4	lncRNA	0.018793817	0.671684645	-0.009515305	0.830099062
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AC025183.1	lncRNA	0.146596025	0.000888297	-0.175195059	6.85E-05
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AC025211.1	lncRNA	0.23209983	1.12E-07	-0.350204258	3.44E-16
AC025219.1	lncRNA	0.219925003	5.14E-07	-0.301752943	3.22E-12
AC025244.1	lncRNA	0.157482674	0.000352175	-0.239791472	4.08E-08
AC025254.1	lncRNA	0.03494472	0.430554897	-0.074834156	0.091051559
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AC026369.3	lncRNA	-0.71174717	4.15E-80	0.708151805	5.73E-79
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AC026471.3	lncRNA	-0.45568951	1.45E-27	0.452496514	3.69E-27
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AC027088.2	lncRNA	0.078686644	0.075545841	-0.086840803	0.049766733
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AC027243.2	lncRNA	0.207003016	2.37E-06	-0.308331451	1.02E-12
AC027277.2	lncRNA	-0.49172958	1.82E-32	0.474948215	4.11E-30
AC027288.1	lncRNA	-0.54719302	3.00E-41	0.564967098	2.00E-44
AC027288.3	lncRNA	-0.85169862	5.90E-145	0.849754315	1.25E-143
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AC027627.1	lncRNA	0.16350585	0.00020558	-0.186617662	2.18E-05
AC034154.1	lncRNA	0.151733575	0.000578432	-0.183525352	2.99E-05
AC034206.1	lncRNA	0.162482651	0.000225567	-0.219478279	5.43E-07
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AC036176.3	lncRNA	0.190735022	1.42E-05	-0.219871259	5.18E-07
AC036214.1	lncRNA	0.140875825	0.001409598	-0.199437009	5.55E-06
AC037198.2	lncRNA	-0.58371759	5.40E-48	0.619408606	1.83E-55
AC037459.2	lncRNA	-0.81778633	3.21E-124	0.864995397	1.49E-154
AC040174.1	lncRNA	0.21938341	5.49E-07	-0.304182303	2.12E-12
AC040174.2	lncRNA	0.190560873	1.44E-05	-0.252105707	7.53E-09
AC044839.2	lncRNA	0.090223932	0.04147951	-0.150047276	0.000666888
AC044839.3	lncRNA	0.064011677	0.148474094	-0.035593192	0.422044605
AC044839.4	lncRNA	0.092540732	0.036503137	-0.146626978	0.00088604
AC046195.1	lncRNA	-0.55540678	1.08E-42	0.576233075	1.53E-46
AC053503.2	lncRNA	0.164585975	0.000186289	-0.177340702	5.55E-05
AC055736.1	lncRNA	0.103847912	0.018868591	-0.136554199	0.001976143
AC055758.1	lncRNA	0.071901463	0.104487648	-0.106444243	0.016077361
AC055758.2	lncRNA	0.074502955	0.09249582	-0.114842585	0.009368762
AC055874.1	lncRNA	0.066405094	0.133851179	-0.039417305	0.373893523
AC060834.2	lncRNA	0.049599085	0.263077951	-0.084236595	0.057051736
AC061975.6	lncRNA	0.070556731	0.111151982	-0.11111839	0.011953901
AC062015.1	lncRNA	0.065468126	0.139437546	-0.03511161	0.428355268
AC067863.1	lncRNA	0.198292141	6.29E-06	-0.247056151	1.52E-08
AC067930.5	lncRNA	0.148134957	0.000782291	-0.17551286	6.64E-05
AC068196.1	lncRNA	0.191472926	1.31E-05	-0.202986293	3.74E-06
AC068228.1	lncRNA	0.157974161	0.00033728	-0.128709459	0.003562322
AC068305.2	lncRNA	0.063724157	0.150309587	-0.080142995	0.070275158
AC068473.3	lncRNA	0.085036003	0.054726872	-0.092015225	0.037585033
AC068580.2	lncRNA	0.114057799	0.009867924	-0.127178553	0.003982164
AC068631.1	lncRNA	0.15012207	0.000662713	-0.212550091	1.24E-06
AC068633.1	lncRNA	0.085432351	0.05360374	-0.116649727	0.008303778
AC068700.1	lncRNA	-0.60335052	5.50E-52	0.631243156	3.70E-58
AC068831.6	lncRNA	0.256371476	4.11E-09	-0.382315188	3.13E-19
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AC069061.2	lncRNA	0.086137036	0.051654268	-0.092518054	0.036549273
AC069257.1	lncRNA	0.202647901	3.88E-06	-0.275721854	2.29E-10
AC069277.1	lncRNA	0.234427654	8.27E-08	-0.315588628	2.79E-13
AC069431.1	lncRNA	0.048656135	0.272272733	-0.064561331	0.14501275
AC069439.2	lncRNA	0.046601313	0.293061797	-0.070986318	0.108987579
AC073062.1	lncRNA	0.08520258	0.05425248	-0.104929005	0.017658749
AC073195.1	lncRNA	0.270433931	5.15E-10	-0.385234925	1.59E-19

AC073263.2	lncRNA	0.164561736	0.000186702	-0.245594762	1.86E-08
AC073316.1	lncRNA	0.073155247	0.098562882	-0.075278543	0.089142194
AC073316.2	lncRNA	0.151226552	0.000603811	-0.187515243	1.99E-05
AC073321.1	lncRNA	0.152029618	0.000564075	-0.193388682	1.07E-05
AC073323.1	lncRNA	0.033424655	0.450888262	-0.046174319	0.297511685
AC073346.1	lncRNA	0.081056189	0.067126448	-0.0769568	0.082219612
AC073352.1	lncRNA	0.208790494	1.93E-06	-0.268248708	7.17E-10
AC073365.1	lncRNA	0.107100881	0.015431539	-0.130901858	0.003030804
AC073429.2	lncRNA	0.01483046	0.738044144	-0.019573746	0.658902245
AC073529.1	lncRNA	0.292506974	1.54E-11	-0.377893922	8.61E-19
AC073578.1	lncRNA	0.088688778	0.045083161	-0.101139105	0.022222242
AC073957.1	lncRNA	0.088913755	0.044539132	-0.138182149	0.001741924
AC074389.2	lncRNA	0.088455782	0.045652461	-0.087422027	0.04825167
AC078778.1	lncRNA	0.275014275	2.55E-10	-0.329647145	2.04E-14
AC078802.1	lncRNA	0.094136354	0.033378861	-0.143226307	0.001168339
AC078820.1	lncRNA	0.104819013	0.017778662	-0.074909832	0.090724109
AC078860.1	lncRNA	0.127321931	0.003941023	-0.124542915	0.004811035
AC078923.1	lncRNA	0.106618372	0.015903832	-0.078300654	0.076995453
AC078942.1	lncRNA	-0.49322528	1.10E-32	0.538627938	8.74E-40
AC078955.1	lncRNA	0.038408112	0.386259477	-0.03981742	0.369059176
AC079070.1	lncRNA	0.118836998	0.007160116	-0.034180395	0.440711964
AC079160.1	lncRNA	0.313938703	3.77E-13	-0.44705125	1.78E-26
AC079210.1	lncRNA	-0.58015312	2.68E-47	0.629322522	1.03E-57
AC079466.1	lncRNA	0.012448213	0.778927121	-0.001355212	0.975620459
AC079467.1	lncRNA	-0.68660194	1.75E-72	0.723145709	7.68E-84
AC079630.1	lncRNA	-0.84092985	7.58E-138	0.87269246	1.37E-160
AC079943.2	lncRNA	0.131807139	0.0028332	-0.183416262	3.03E-05
AC080023.1	lncRNA	0.223608571	3.27E-07	-0.335421785	6.67E-15
AC080037.1	lncRNA	0.183415177	3.03E-05	-0.206954738	2.38E-06
AC080129.1	lncRNA	0.06284779	0.156010652	-0.057691631	0.192906806
AC083809.1	lncRNA	0.105340463	0.017216422	-0.043588439	0.325418213
AC083837.1	lncRNA	-0.42301585	1.34E-23	0.436650453	3.34E-25
AC083841.2	lncRNA	0.124476341	0.004833853	-0.14098528	0.001397416
AC083880.1	lncRNA	0.256191488	4.22E-09	-0.39873128	6.39E-21
AC083973.1	lncRNA	0.170858023	0.00010385	-0.221846339	4.07E-07
AC084024.3	lncRNA	0.096364349	0.029399909	-0.130502005	0.003122009
AC084149.1	lncRNA	0.077161217	0.081406956	-0.115662777	0.008871204
AC084211.1	lncRNA	0.107597669	0.014958174	-0.146689168	0.000881522
AC084346.2	lncRNA	0.197938664	6.54E-06	-0.243164097	2.59E-08
AC084398.2	lncRNA	-0.38111716	4.13E-19	0.410948107	3.06E-22
AC084706.1	lncRNA	0.013555193	0.759846045	-0.01738641	0.694990001
AC084759.2	lncRNA	0.012550662	0.77715541	-0.00677809	0.878518655
AC084864.1	lncRNA	0.257990835	3.26E-09	-0.363284206	2.18E-17
AC084880.3	lncRNA	-0.5082553	6.45E-35	0.536086933	2.33E-39
AC087318.1	lncRNA	0.139108555	0.001620284	-0.136192973	0.002031875
AC087392.2	lncRNA	-0.44639372	2.15E-26	0.451603193	4.79E-27
AC087473.1	lncRNA	0.132961241	0.002598308	-0.197796138	6.64E-06
AC087491.1	lncRNA	0.121736236	0.005862028	-0.177730727	5.34E-05
AC087521.1	lncRNA	-0.66982223	8.17E-68	0.697280814	1.26E-75
AC087612.1	lncRNA	0.110830232	0.012178013	-0.181961055	3.51E-05
AC087667.1	lncRNA	0.100695765	0.022817702	-0.099381289	0.024665135
AC087857.1	lncRNA	0.047441525	0.284436237	-0.023849612	0.590657081
AC087894.2	lncRNA	0.085641207	0.053019665	-0.177467891	5.48E-05
AC089983.1	lncRNA	0.080239559	0.069936593	-0.113791092	0.010042864
AC089987.2	lncRNA	0.134255222	0.002356156	-0.190980136	1.38E-05
AC089998.2	lncRNA	0.03120258	0.481564808	-0.016104653	0.716468421



AC090001.1	lncRNA	-0.44742857	1.60E-26	0.479755588	8.97E-31
AC090023.2	lncRNA	0.029454306	0.506474475	-0.03974081	0.369981787
AC090116.1	lncRNA	0.070862667	0.109607141	-0.080922795	0.067579041
AC090125.1	lncRNA	0.136577045	0.001972666	-0.076527427	0.083947943
AC090192.2	lncRNA	0.093992451	0.033650944	-0.096449513	0.029256257
AC090282.1	lncRNA	0.141102158	0.001384515	-0.16636164	0.000158217
AC090371.2	lncRNA	0.134958889	0.002233298	-0.166800859	0.000151914
AC090403.1	lncRNA	0.05396067	0.223338864	-0.045923099	0.300150694
AC090502.1	lncRNA	0.075880299	0.086608072	-0.075039788	0.090163999
AC090502.3	lncRNA	0.017004856	0.701359166	-0.001444782	0.974009689
AC090503.2	lncRNA	0.136902923	0.001923671	-0.162781187	0.000219555
AC090559.1	lncRNA	-0.70477252	6.51E-78	0.805704508	7.45E-118
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AC090578.1	lncRNA	0.173376379	8.17E-05	-0.196047872	8.03E-06
AC090673.1	lncRNA	0.153790306	0.000485304	-0.135465982	0.002148421
AC090673.2	lncRNA	0.117297909	0.007948959	-0.144062458	0.001092125
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AC090735.1	lncRNA	0.084448768	0.056426841	-0.112137127	0.011190538
AC090796.1	lncRNA	-0.61545556	1.37E-54	0.64737453	5.02E-62
AC090844.3	lncRNA	-0.37017594	4.85E-18	0.377634472	9.13E-19
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AC090970.3	lncRNA	0.230778892	1.32E-07	-0.348953297	4.45E-16
AC091057.3	lncRNA	0.276946152	1.89E-10	-0.349301798	4.14E-16
AC091138.1	lncRNA	0.056077458	0.205677857	-0.011964132	0.787313949
AC091153.3	lncRNA	0.216317207	7.95E-07	-0.293820931	1.24E-11
AC091170.1	lncRNA	0.116148071	0.008588017	-0.186283481	2.26E-05
AC091182.2	lncRNA	0.14665476	0.000884019	-0.16412783	0.000194254
AC091544.2	lncRNA	-0.39689323	9.99E-21	0.428769683	2.88E-24
AC091588.1	lncRNA	-0.4799895	8.32E-31	0.56170409	7.90E-44
AC091588.3	lncRNA	-0.70581513	3.09E-78	0.749074196	4.49E-93
AC091729.1	lncRNA	0.141665863	0.001323819	-0.216200859	8.06E-07
AC091806.1	lncRNA	-0.52992317	2.44E-38	0.556807858	6.06E-43
AC091849.2	lncRNA	-0.40915055	4.82E-22	0.497871469	2.31E-33
AC091868.2	lncRNA	0.229193543	1.62E-07	-0.320456445	1.15E-13
AC091891.2	lncRNA	-0.53834769	9.75E-40	0.549517209	1.18E-41
AC091946.1	lncRNA	0.045813156	0.301310498	-0.06603885	0.13601388
AC091948.1	lncRNA	-0.70244128	3.41E-77	0.72890362	8.46E-86
AC091987.1	lncRNA	0.103050267	0.019806976	-0.128689769	0.003567457
AC092071.1	lncRNA	-0.47265887	8.42E-30	0.512111309	1.65E-35
AC092115.3	lncRNA	0.219818727	5.21E-07	-0.338923928	3.35E-15
AC092125.1	lncRNA	0.138879431	0.001649621	-0.150230391	0.000656709
AC092130.1	lncRNA	0.103952993	0.018747906	-0.17666049	5.94E-05
AC092142.1	lncRNA	0.212334139	1.28E-06	-0.241933325	3.06E-08
AC092167.1	lncRNA	0.137689175	0.001810013	-0.19097344	1.38E-05
AC092335.1	lncRNA	0.065654935	0.138309704	-0.056856131	0.199442665
AC092336.1	lncRNA	0.02706589	0.541566199	-0.037697704	0.395111834
AC092384.1	lncRNA	-0.68285066	2.06E-71	0.771298236	6.09E-102
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AC092484.1	lncRNA	0.059159927	0.181803348	0.00421186	0.924332577
AC092625.1	lncRNA	0.092063204	0.03748514	-0.098384755	0.026150515
AC092652.2	lncRNA	-0.59443186	3.87E-50	0.642822673	6.54E-61
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AC092691.1	lncRNA	-0.69302819	2.34E-74	0.695751674	3.62E-75
AC092746.1	lncRNA	-0.25033966	9.65E-09	0.262781687	1.62E-09
AC092783.1	lncRNA	0.060255864	0.173829072	-0.08182618	0.064562335

AC092803.1	lncRNA	0.095785403	0.03039259	-0.084468387	0.056369348
AC092810.3	lncRNA	0.036745467	0.40716756	-0.054211159	0.221194261
AC092811.1	lncRNA	0.078871271	0.074860358	-0.09308382	0.035412959
AC092818.1	lncRNA	0.103345537	0.019454974	-0.111671022	0.011534275
AC092834.1	lncRNA	-0.30074723	3.83E-12	0.285279474	5.03E-11
AC092916.1	lncRNA	0.078198599	0.077382484	-0.096693522	0.028847997
AC092920.1	lncRNA	0.102395063	0.020607925	-0.126981411	0.004039367
AC093001.1	lncRNA	0.020105963	0.650236038	-0.03834018	0.387100714
AC093083.1	lncRNA	0.159638173	0.0002911	-0.18658946	2.19E-05
AC093110.1	lncRNA	-0.84429876	5.18E-140	0.838499512	2.57E-136
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AC093278.2	lncRNA	-0.75494073	2.54E-95	0.832955971	6.46E-133
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AC093390.1	lncRNA	-0.25423451	5.58E-09	0.280157564	1.14E-10
AC093496.1	lncRNA	0.061438796	0.165517368	-0.120668501	0.006313203
AC093510.2	lncRNA	-0.65125089	5.45E-63	0.648757893	2.28E-62
AC093515.1	lncRNA	0.098102827	0.026584485	-0.116822284	0.008207965
AC093520.1	lncRNA	0.197039711	7.21E-06	-0.272375991	3.83E-10
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AC093627.1	lncRNA	0.051007896	0.249742583	-0.038824741	0.381124513
AC093702.1	lncRNA	0.143275854	0.001163689	-0.223052243	3.50E-07
AC093730.1	lncRNA	0.059274357	0.180958291	-0.067014404	0.130312045
AC093772.1	lncRNA	-0.71308026	1.55E-80	0.724163143	3.49E-84
AC093833.1	lncRNA	0.127724353	0.0038276	-0.138003093	0.001766379
AC093843.1	lncRNA	0.075021938	0.090240768	-0.062143215	0.160711584
AC093865.1	lncRNA	0.158767182	0.00031448	-0.213197576	1.15E-06
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AC093904.3	lncRNA	0.096211105	0.029659922	-0.132914658	0.002607435
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AC096719.1	lncRNA	0.035494762	0.423330001	-0.048190954	0.276888598
AC096736.3	lncRNA	0.01385213	0.754751874	-0.014462795	0.744309085
AC096759.2	lncRNA	0.146249737	0.000913912	-0.194689247	9.31E-06
AC096921.2	lncRNA	-0.84107235	6.15E-138	0.888102687	5.93E-174
AC097347.1	lncRNA	0.25981052	2.50E-09	-0.358748533	5.76E-17
AC097358.2	lncRNA	0.274464624	2.78E-10	-0.360151472	4.28E-17
AC097512.1	lncRNA	0.071771735	0.105116449	-0.104894515	0.017696273
AC097713.1	lncRNA	0.122014878	0.005749159	-0.156192792	0.000394235
AC097717.1	lncRNA	0.184658063	2.67E-05	-0.233948047	8.80E-08
AC098828.3	lncRNA	0.125312728	0.004554153	-0.173588595	8.00E-05
AC099066.2	lncRNA	0.147187374	0.000846084	-0.121433758	0.005986805
AC099487.1	lncRNA	0.241116137	3.41E-08	-0.282624396	7.70E-11
AC099506.1	lncRNA	0.124759409	0.004737502	-0.18341391	3.03E-05
AC099509.2	lncRNA	0.123165134	0.005303623	-0.195023941	8.98E-06
AC099677.4	lncRNA	0.160887551	0.000260386	-0.156188288	0.000394389
AC099796.1	lncRNA	0.091814471	0.038005462	-0.070613592	0.110863569
AC099850.3	lncRNA	0.343482944	1.35E-15	-0.386704232	1.13E-19
AC100782.1	lncRNA	0.191009639	1.38E-05	-0.192108306	1.23E-05
AC100791.1	lncRNA	0.120089637	0.006570616	-0.147725105	0.000809316
AC100791.2	lncRNA	0.172694923	8.72E-05	-0.237523054	5.51E-08
AC100801.1	lncRNA	0.042920252	0.332896669	-0.048665755	0.272177833
AC100803.3	lncRNA	-0.41066286	3.29E-22	0.467747509	3.85E-29

AC100839.1	lncRNA	0.091195865	0.039326132	-0.128997	0.003488098
AC100839.2	lncRNA	0.116337785	0.008479521	-0.166488096	0.000156378
AC100872.1	lncRNA	0.082667861	0.061852252	-0.117974152	0.007593268
AC103409.1	lncRNA	0.090695427	0.040422763	-0.11850803	0.00732258
AC103702.2	lncRNA	0.156473067	0.000384716	-0.1540414	0.000474942
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AC103855.3	lncRNA	0.079072857	0.0741177	-0.098315199	0.02625701
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AC103952.1	lncRNA	0.108548948	0.014087229	-0.125984383	0.004340217
AC104041.1	lncRNA	0.271392553	4.45E-10	-0.385502772	1.50E-19
AC104071.1	lncRNA	0.038705177	0.382593858	-0.069478977	0.116731023
AC104088.1	lncRNA	0.221649976	4.16E-07	-0.306424163	1.43E-12
AC104126.1	lncRNA	0.063801408	0.149814736	-0.062488881	0.158392129
AC104211.2	lncRNA	-0.74484817	1.71E-91	0.739032905	2.28E-89
AC104237.2	lncRNA	-0.68172795	4.27E-71	0.700334838	1.50E-76
AC104237.3	lncRNA	-0.67364983	7.48E-69	0.706350379	2.10E-78
AC104564.2	lncRNA	0.175795155	6.46E-05	-0.252723211	6.91E-09
AC104564.4	lncRNA	0.133601459	0.002475799	-0.178716657	4.85E-05
AC104793.1	lncRNA	0.017541656	0.692404634	-0.024940689	0.573776226
AC104794.3	lncRNA	0.157090435	0.0003645	-0.238542756	4.81E-08
AC104836.1	lncRNA	-0.60147027	1.36E-51	0.660291861	2.70E-65
AC104984.1	lncRNA	-0.57346069	5.16E-46	0.569085273	3.44E-45
AC104984.4	lncRNA	-0.75211656	3.12E-94	0.750856988	9.45E-94
AC105053.1	lncRNA	-0.76149827	6.53E-98	0.798749974	2.17E-114
AC105118.1	lncRNA	0.109696112	0.013096533	-0.113894856	0.009974478
AC105137.2	lncRNA	0.283030281	7.22E-11	-0.383946668	2.15E-19
AC105177.1	lncRNA	0.02920999	0.510008536	-0.058594482	0.186021992
AC105206.1	lncRNA	-0.66529446	1.32E-66	0.661278255	1.49E-65
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AC105219.4	lncRNA	0.254423683	5.43E-09	-0.310543374	6.92E-13
AC105339.2	lncRNA	0.23898501	4.54E-08	-0.295948502	8.66E-12
AC105384.1	lncRNA	-0.56745267	6.92E-45	0.643149241	5.45E-61
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AC105460.1	lncRNA	0.074350542	0.093166581	-0.120323568	0.006465478
AC105460.2	lncRNA	0.088689808	0.045080657	-0.14305435	0.001184607
AC105914.2	lncRNA	-0.74680247	3.21E-92	0.768083194	1.35E-100
AC105999.2	lncRNA	0.016185361	0.715109181	-0.021739769	0.623929649
AC106028.2	lncRNA	-0.52097844	6.76E-37	0.539492494	6.25E-40
AC106028.4	lncRNA	-0.50416096	2.69E-34	0.531719895	1.24E-38
AC106729.1	lncRNA	0.078767439	0.075245239	-0.071184104	0.108002305
AC106738.2	lncRNA	-0.35291649	1.96E-16	0.404109875	1.70E-21
AC106744.1	lncRNA	0.050692646	0.252684953	-0.055248132	0.212472662
AC106744.2	lncRNA	0.050613615	0.253426346	-0.052358724	0.237405288
AC106771.1	lncRNA	0.129128644	0.003454587	-0.151325228	0.000598792
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AC106779.1	lncRNA	0.210076165	1.66E-06	-0.300036232	4.33E-12
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AC106798.1	lncRNA	0.235430261	7.25E-08	-0.310799183	6.61E-13
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AC106799.2	lncRNA	0.242295371	2.91E-08	-0.276412245	2.05E-10
AC106799.3	lncRNA	0.162219166	0.000231001	-0.175996323	6.33E-05
AC106895.1	lncRNA	0.101495787	0.021753002	-0.116555376	0.008356588
AC106900.2	lncRNA	0.296167681	8.35E-12	-0.3557472	1.09E-16
AC107308.1	lncRNA	0.103537509	0.019229053	-0.128781278	0.00354365
AC107419.1	lncRNA	0.173903885	7.76E-05	-0.228530356	1.76E-07

AC107464.1	lncRNA	0.085468838	0.053501317	-0.094942946	0.031888307
AC108002.1	lncRNA	0.16893307	0.000124524	-0.266243358	9.69E-10
AC108002.3	lncRNA	0.056171945	0.204913819	-0.077179099	0.081336175
AC108025.2	lncRNA	0.104877519	0.017714791	-0.093853245	0.033915944
AC108134.3	lncRNA	-0.67719983	7.89E-70	0.782613065	7.49E-107
AC108472.1	lncRNA	-0.20845712	2.00E-06	0.229739128	1.51E-07
AC108676.1	lncRNA	0.085682785	0.052904025	-0.121052294	0.006147563
AC108865.1	lncRNA	0.032110728	0.468892558	-0.047751072	0.281302066
AC108865.2	lncRNA	0.039554209	0.372235015	-0.055568974	0.20982503
AC108868.2	lncRNA	0.036415589	0.411394443	-0.01422238	0.748414868
AC109361.2	lncRNA	-0.62489587	1.07E-56	0.584347984	4.06E-48
AC109439.2	lncRNA	0.094296659	0.03307798	-0.119494876	0.006844861
AC109454.3	lncRNA	0.14143911	0.001347934	-0.197009963	7.24E-06
AC109462.1	lncRNA	0.12085421	0.006232559	-0.163974701	0.000196987
AC109479.1	lncRNA	0.144851193	0.001024462	-0.125041652	0.004643162
AC109811.1	lncRNA	0.08372476	0.05858285	-0.089312253	0.043589056
AC109830.1	lncRNA	0.080051264	0.070598018	-0.098144661	0.0265197
AC110048.2	lncRNA	-0.56601962	1.28E-44	0.617764016	4.25E-55
AC111149.2	lncRNA	0.059097359	0.182266638	-0.065764019	0.137654371
AC111152.2	lncRNA	-0.57410687	3.89E-46	0.60131698	1.47E-51
AC112178.1	lncRNA	0.12618154	0.004279166	-0.174719677	7.17E-05
AC112206.2	lncRNA	-0.79048606	1.90E-110	0.791611142	5.67E-111
AC112236.1	lncRNA	0.156598478	0.000380527	-0.248518867	1.24E-08
AC112484.3	lncRNA	0.120278097	0.006485795	-0.161087474	0.000255761
AC112493.1	lncRNA	0.11242959	0.010979517	-0.147992194	0.000791609
AC112721.2	lncRNA	0.127067895	0.004014182	-0.020781654	0.639301336
AC112722.1	lncRNA	-0.72934527	5.96E-86	0.76372724	8.23E-99
AC113189.4	lncRNA	0.16121224	0.000252915	-0.194976529	9.02E-06
AC113194.1	lncRNA	0.11563363	0.008888474	-0.169067565	0.000122962
AC113346.1	lncRNA	0.134562956	0.002301686	-0.105332444	0.017224948
AC113355.1	lncRNA	0.025903408	0.559073254	-0.029375619	0.507611282
AC114296.1	lncRNA	0.139350996	0.001589764	-0.144398766	0.001062786
AC114316.2	lncRNA	0.134419479	0.002326938	-0.163288163	0.000209688
AC114489.1	lncRNA	0.212998663	1.18E-06	-0.319827857	1.29E-13
AC114803.1	lncRNA	0.176336681	6.13E-05	-0.245833506	1.80E-08
AC114812.2	lncRNA	0.184162204	2.81E-05	-0.313336424	4.20E-13
AC114912.1	lncRNA	0.064620201	0.144645708	-0.094248943	0.033167296
AC114956.1	lncRNA	0.206466543	2.52E-06	-0.292109773	1.65E-11
AC114956.2	lncRNA	0.229119723	1.64E-07	-0.331885042	1.32E-14
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AC116025.2	lncRNA	0.166896456	0.000150573	-0.190980112	1.38E-05
AC116049.2	lncRNA	0.274113758	2.93E-10	-0.329720403	2.01E-14
AC116312.1	lncRNA	-0.47995058	8.43E-31	0.511619936	1.97E-35
AC116366.2	lncRNA	-0.56042632	1.35E-43	0.650849696	6.87E-63
AC116407.1	lncRNA	-0.82881605	1.85E-130	0.820920596	6.00E-126
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AC117394.2	lncRNA	0.259299	2.69E-09	-0.332252419	1.23E-14
AC119424.1	lncRNA	-0.65706252	1.83E-64	0.658051004	1.02E-64
AC120042.2	lncRNA	0.175852697	6.42E-05	-0.234518371	8.17E-08
AC120498.4	lncRNA	0.097017907	0.028312838	-0.098940595	0.025312775
AC121764.1	lncRNA	0.059587643	0.178659589	-0.095289986	0.031264709
AC122134.1	lncRNA	0.030051716	0.497887224	0.009066502	0.837999227
AC122685.1	lncRNA	0.134828784	0.002255563	-0.236750275	6.10E-08
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AC122710.2	lncRNA	0.138780587	0.001662427	-0.121398903	0.006001335
AC122710.3	lncRNA	0.143387116	0.001153311	-0.159148149	0.000304046

AC123023.1	lncRNA	-0.39957984	5.20E-21	0.403565897	1.95E-21
AC123595.1	lncRNA	-0.49766871	2.48E-33	0.561489954	8.64E-44
AC123768.1	lncRNA	0.186085998	2.30E-05	-0.234720837	7.96E-08
AC123905.1	lncRNA	0.171332944	9.93E-05	-0.20698534	2.37E-06
AC124067.2	lncRNA	0.139694262	0.001547454	-0.237353892	5.63E-08
AC124254.1	lncRNA	0.117832843	0.007666395	-0.174211491	7.53E-05
AC124276.1	lncRNA	0.093185914	0.035211143	-0.080307676	0.069698568
AC124290.1	lncRNA	0.04196911	0.343731246	-0.055937806	0.206810897
AC124312.2	lncRNA	-0.56992664	2.39E-45	0.593817333	5.17E-50
AC125494.3	lncRNA	0.159478057	0.000295273	-0.236614426	6.21E-08
AC125603.4	lncRNA	0.074646519	0.091867549	-0.12822822	0.003689757
AC125616.1	lncRNA	0.125657657	0.004443125	-0.203979097	3.34E-06
AC126175.1	lncRNA	0.041770841	0.346017724	-0.055069413	0.213957867
AC126696.3	lncRNA	0.096357918	0.029410782	-0.114104891	0.009837318
AC126768.1	lncRNA	0.126465658	0.004192552	-0.16033138	0.000273664
AC126768.2	lncRNA	0.201209614	4.56E-06	-0.252057764	7.58E-09
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AC127521.1	lncRNA	-0.77759964	1.22E-104	0.834481992	7.71E-134
AC128689.1	lncRNA	0.217190241	7.16E-07	-0.284293039	5.90E-11
AC128709.1	lncRNA	0.092532174	0.036520541	-0.166072325	0.000162503
AC128709.2	lncRNA	0.101060189	0.022327239	-0.183743216	2.93E-05
AC129492.2	lncRNA	-0.24489671	2.05E-08	0.237310906	5.66E-08
AC129507.2	lncRNA	-0.65563486	4.25E-64	0.67559062	2.20E-69
AC129507.3	lncRNA	-0.61801513	3.74E-55	0.65241603	2.78E-63
AC129926.1	lncRNA	0.105890882	0.016639877	-0.13874304	0.001667315
AC130456.1	lncRNA	-0.64497013	1.96E-61	0.680916958	7.23E-71
AC130456.3	lncRNA	-0.57019845	2.13E-45	0.672054951	2.04E-68
AC131009.2	lncRNA	0.146201773	0.000917514	-0.175929568	6.38E-05
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AC131532.1	lncRNA	0.296556356	7.82E-12	-0.408267846	6.02E-22
AC132807.2	lncRNA	0.173551197	8.03E-05	-0.256933439	3.79E-09
AC133785.1	lncRNA	0.243945863	2.33E-08	-0.324744499	5.15E-14
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AC134312.5	lncRNA	0.166646742	0.000154098	-0.080258506	0.06987032
AC135012.3	lncRNA	-0.81928271	4.85E-125	0.82673572	3.01E-129
AC135178.1	lncRNA	-0.6219841	4.86E-56	0.664752549	1.84E-66
AC137834.2	lncRNA	0.219296387	5.55E-07	-0.278042812	1.59E-10
AC138305.1	lncRNA	0.218462841	6.14E-07	-0.31087033	6.53E-13
AC138356.3	lncRNA	0.073442967	0.097241721	-0.12226053	0.005651277
AC138761.4	lncRNA	0.021718156	0.624274653	-0.028786464	0.516165244
AC138904.1	lncRNA	0.093600817	0.034401015	-0.113930489	0.009951089
AC138965.1	lncRNA	0.098999896	0.025224781	-0.163706779	0.000201855
AC141930.2	lncRNA	0.06725717	0.12892229	-0.029910361	0.499912079
AC145207.8	lncRNA	0.151754241	0.000577419	-0.265524125	1.08E-09
AC147067.2	lncRNA	-0.69468159	7.56E-75	0.731810945	8.31E-87
AC226101.1	lncRNA	-0.60521269	2.23E-52	0.629086462	1.17E-57
AC233280.1	lncRNA	0.147950532	0.000794347	-0.202461845	3.96E-06
AC234772.2	lncRNA	0.250299126	9.71E-09	-0.375641542	1.43E-18
AC236972.3	lncRNA	-0.83484844	4.61E-134	0.833083467	5.41E-133
AC243836.1	lncRNA	-0.37917714	6.43E-19	0.444367584	3.83E-26
AC243960.3	lncRNA	-0.6376412	1.15E-59	0.708495688	4.46E-79
AC244230.1	lncRNA	0.139679715	0.001549226	-0.160691816	0.000264989
AC244502.3	lncRNA	0.100988406	0.02242312	-0.163742342	0.000201203
AC245100.6	lncRNA	0.083553566	0.059102494	-0.095044347	0.031705009
AC245128.3	lncRNA	-0.41918112	3.66E-23	0.492581279	1.37E-32
AC245884.11	lncRNA	-0.49393817	8.70E-33	0.558645509	2.83E-43

AC246793.1	lncRNA	0.151395043	0.000595265	-0.214910423	9.41E-07
ACOXL-AS1	lncRNA	-0.77245782	1.97E-102	0.777760029	1.04E-104
ADAMTS9-AS1	lncRNA	-0.65826196	9.03E-65	0.684908855	5.34E-72
ADAMTS9-AS2	lncRNA	-0.88475841	6.81E-171	0.898402357	4.97E-184
ADIPOQ-AS1	lncRNA	0.014912761	0.736644109	0.013609347	0.758916206
AF015262.1	lncRNA	0.0620944	0.161041187	-0.011321595	0.798483996
AF064860.2	lncRNA	0.087019408	0.049296992	-0.073225303	0.098239889
AF106564.1	lncRNA	0.106545004	0.015976746	-0.159776446	0.000287542
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AF131216.3	lncRNA	0.147683468	0.00081211	-0.263951588	1.36E-09
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AF212831.1	lncRNA	0.150584094	0.000637453	-0.192272355	1.21E-05
AF233439.1	lncRNA	0.149834905	0.000678877	-0.157009548	0.000367091
AF254983.1	lncRNA	0.078855989	0.074916902	-0.092361062	0.03687002
AF274855.1	lncRNA	0.167584251	0.000141252	-0.218302143	6.26E-07
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AJ003147.1	lncRNA	0.1263041	0.004241607	-0.187081477	2.08E-05
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AL008638.2	lncRNA	0.031310659	0.480047006	-0.030898188	0.485853478
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AL021807.1	lncRNA	0.126223202	0.004266365	-0.130709825	0.003074299
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AL022316.1	lncRNA	0.081892209	0.064346258	-0.029602765	0.504333274
AL022324.3	lncRNA	0.157370346	0.000355664	-0.222985767	3.53E-07
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AL023803.2	lncRNA	0.256415618	4.08E-09	-0.349748686	3.78E-16
AL023803.3	lncRNA	0.179367411	4.55E-05	-0.247217237	1.49E-08
AL031058.1	lncRNA	0.268055886	7.38E-10	-0.327907808	2.84E-14
AL031599.1	lncRNA	-0.5810455	1.80E-47	0.546475824	3.99E-41
AL031665.1	lncRNA	-0.54355171	1.27E-40	0.553810519	2.07E-42
AL031710.2	lncRNA	0.218332792	6.24E-07	-0.252447918	7.18E-09
AL031848.1	lncRNA	0.149501625	0.000698095	-0.165940576	0.00016449
AL032819.1	lncRNA	0.188376888	1.82E-05	-0.216580267	7.71E-07
AL032821.1	lncRNA	-0.36362508	2.03E-17	0.419103106	3.74E-23
AL033384.1	lncRNA	0.182035388	3.48E-05	-0.267576844	7.93E-10
AL033397.1	lncRNA	0.119134863	0.007015804	-0.200030497	5.19E-06
AL033397.2	lncRNA	0.188972253	1.71E-05	-0.292227473	1.61E-11
AL033519.3	lncRNA	-0.72926229	6.37E-86	0.754651269	3.28E-95
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AL034376.2	lncRNA	0.052814258	0.233343293	-0.062584993	0.157751717
AL034397.2	lncRNA	0.109926133	0.012905449	-0.134628409	0.002290251
AL034397.3	lncRNA	-0.53355334	6.16E-39	0.618076737	3.62E-55
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AL035252.2	lncRNA	0.088824533	0.044754221	-0.07143284	0.106773221
AL035258.1	lncRNA	0.130871183	0.003037714	-0.210055064	1.67E-06
AL035409.1	lncRNA	-0.68111676	6.35E-71	0.736589005	1.72E-88
AL035425.1	lncRNA	0.073712387	0.096017426	-0.121976724	0.005764497
AL035425.3	lncRNA	0.057190816	0.196805428	-0.086939263	0.049507318
AL035458.2	lncRNA	0.185317058	2.49E-05	-0.22974338	1.51E-07
AL035530.1	lncRNA	-0.4248606	8.20E-24	0.522691325	3.61E-37
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AL049539.1	lncRNA	0.213594501	1.10E-06	-0.299154163	5.03E-12

AL049544.1	lncRNA	-0.81306657	1.12E-121	0.80997591	4.72E-120
AL049555.1	lncRNA	0.325116997	4.81E-14	-0.46112258	2.87E-28
AL049649.1	lncRNA	0.054362063	0.219909396	-0.060631337	0.171157848
AL049775.2	lncRNA	0.07796438	0.078276702	-0.081324007	0.066225282
AL049794.1	lncRNA	0.186933794	2.11E-05	-0.266723962	9.02E-10
AL049830.3	lncRNA	0.15744769	0.000353258	-0.247328082	1.47E-08
AL049871.1	lncRNA	-0.64515161	1.77E-61	0.702596607	3.06E-77
AL049874.3	lncRNA	0.096011843	0.030000961	-0.14928305	0.000710971
AL078590.1	lncRNA	0.063607733	0.15105771	-0.102327878	0.020691625
AL078590.2	lncRNA	0.06345852	0.15202066	-0.105475785	0.01707308
AL078645.1	lncRNA	-0.53303925	7.49E-39	0.502352431	5.01E-34
AL079301.1	lncRNA	0.119615865	0.006788256	-0.148711893	0.000745663
AL079303.1	lncRNA	0.152269036	0.000552707	-0.175562987	6.61E-05
AL109659.2	lncRNA	-0.5926285	9.01E-50	0.665462233	1.19E-66
AL109741.1	lncRNA	-0.75908496	5.99E-97	0.803381056	1.11E-116
AL109741.3	lncRNA	-0.77692296	2.40E-104	0.82053477	9.83E-126
AL109761.1	lncRNA	0.107670018	0.014890311	-0.121118426	0.006119418
AL109924.2	lncRNA	0.128280074	0.00367583	-0.055292263	0.212107063
AL109954.2	lncRNA	0.101464356	0.021794004	-0.135772939	0.002098485
AL109976.1	lncRNA	0.170200496	0.000110518	-0.280418366	1.09E-10
AL110292.1	lncRNA	0.086157488	0.051598583	-0.130469901	0.003129438
AL117329.1	lncRNA	0.29558123	9.21E-12	-0.420105534	2.88E-23
AL117378.1	lncRNA	0.085012908	0.054792915	-0.126105735	0.004302547
AL118505.1	lncRNA	0.266998805	8.65E-10	-0.331671596	1.38E-14
AL118508.1	lncRNA	0.092064858	0.0374817	-0.13613368	0.002041159
AL121578.3	lncRNA	0.102570173	0.020391152	-0.145825756	0.000946203
AL121580.1	lncRNA	0.234140494	8.58E-08	-0.316882482	2.21E-13
AL121761.2	lncRNA	0.080138231	0.070291895	-0.138636553	0.00168125
AL121772.1	lncRNA	0.140283843	0.001477189	-0.15966438	0.000290423
AL121827.2	lncRNA	0.082625877	0.061985175	-0.014332183	0.74653877
AL121832.3	lncRNA	0.251636276	8.05E-09	-0.281963271	8.56E-11
AL121904.1	lncRNA	0.03996046	0.367340345	-0.030301047	0.494326304
AL121970.1	lncRNA	0.098540864	0.025912854	-0.104469186	0.018164786
AL121985.1	lncRNA	-0.39912269	5.81E-21	0.483932904	2.34E-31
AL122008.3	lncRNA	0.14359141	0.001134477	-0.198973399	5.84E-06
AL122019.1	lncRNA	0.036773199	0.4068134	-0.022485694	0.612073861
AL122034.1	lncRNA	0.102975134	0.019897425	-0.131988889	0.002794971
AL122058.1	lncRNA	0.124740144	0.004744004	-0.16715884	0.000146951
AL122125.1	lncRNA	0.243833807	2.37E-08	-0.353477882	1.75E-16
AL132655.1	lncRNA	0.152070578	0.000562115	-0.188956508	1.71E-05
AL132655.2	lncRNA	0.154290921	0.00046485	-0.16416476	0.000193601
AL132712.1	lncRNA	0.282831493	7.45E-11	-0.401539518	3.21E-21
AL132712.2	lncRNA	0.275645217	2.31E-10	-0.389332709	6.09E-20
AL132857.1	lncRNA	-0.60152027	1.33E-51	0.640551872	2.32E-60
AL133153.2	lncRNA	0.208508577	1.99E-06	-0.293307177	1.35E-11
AL133215.2	lncRNA	0.302660571	2.76E-12	-0.383741111	2.25E-19
AL133264.2	lncRNA	-0.48731416	7.79E-32	0.558493526	3.02E-43
AL133297.2	lncRNA	-0.64818427	3.17E-62	0.68308591	1.76E-71
AL133304.2	lncRNA	-0.59543192	2.42E-50	0.604857065	2.65E-52
AL133325.3	lncRNA	0.090202096	0.041529011	-0.144687972	0.001038138
AL133353.1	lncRNA	0.221606135	4.19E-07	-0.333462736	9.77E-15
AL133355.1	lncRNA	-0.79614282	3.98E-113	0.842162546	1.24E-138
AL133370.1	lncRNA	0.06567524	0.138187542	-0.057385722	0.19528139
AL133419.1	lncRNA	0.062411818	0.158907029	-0.123661251	0.005121246
AL135787.1	lncRNA	0.141131609	0.001381282	-0.231795049	1.16E-07
AL135924.2	lncRNA	0.116132252	0.008597119	-0.159911957	0.000284093

AL135960.1	lncRNA	-0.6921888	4.13E-74	0.742612942	1.14E-90
AL135999.3	lncRNA	-0.63903106	5.37E-60	0.667996721	2.52E-67
AL136018.1	lncRNA	0.133443767	0.002505475	-0.215706259	8.56E-07
AL136131.2	lncRNA	0.098998547	0.025226779	-0.119014471	0.007073816
AL136162.1	lncRNA	0.28690365	3.87E-11	-0.398418179	6.90E-21
AL136172.1	lncRNA	0.198462633	6.17E-06	-0.254139251	5.65E-09
AL136221.1	lncRNA	0.046565843	0.293429741	-0.059200497	0.181503407
AL136298.1	lncRNA	0.079670438	0.071951386	-0.068667312	0.121075586
AL136309.3	lncRNA	0.072537739	0.10144661	-0.117351745	0.007920106
AL136369.1	lncRNA	-0.8208428	6.62E-126	0.821286857	3.75E-126
AL137804.1	lncRNA	0.160457487	0.000270599	-0.238573038	4.79E-08
AL138720.1	lncRNA	0.161033003	0.000257014	-0.154861852	0.000442504
AL138737.1	lncRNA	-0.28602891	4.46E-11	0.288034709	3.22E-11
AL138759.1	lncRNA	0.171920789	9.39E-05	-0.196947077	7.29E-06
AL138789.1	lncRNA	0.095804012	0.030360241	-0.142642232	0.00122445
AL138900.2	lncRNA	-0.36874573	6.65E-18	0.390207493	4.96E-20
AL138900.3	lncRNA	-0.22680568	2.19E-07	0.276411082	2.05E-10
AL138902.1	lncRNA	0.253078732	6.57E-09	-0.335021137	7.21E-15
AL138962.1	lncRNA	0.119394549	0.00689212	-0.135474614	0.002147002
AL138974.1	lncRNA	0.079793309	0.071512435	-0.095371967	0.031118932
AL139023.1	lncRNA	0.184500655	2.71E-05	-0.263304096	1.50E-09
AL139039.3	lncRNA	0.180608635	4.02E-05	-0.258190275	3.16E-09
AL139041.1	lncRNA	-0.68984716	2.00E-73	0.708746209	3.72E-79
AL139246.1	lncRNA	0.119642745	0.006775737	-0.098385797	0.026148922
AL139246.4	lncRNA	0.106695299	0.015827695	-0.083216967	0.06013534
AL139327.2	lncRNA	0.164948219	0.000180208	-0.284776555	5.45E-11
AL139385.1	lncRNA	0.236475386	6.32E-08	-0.26392903	1.37E-09
AL139393.1	lncRNA	0.099856745	0.023982508	-0.074552228	0.092279805
AL139412.1	lncRNA	0.144799912	0.001028741	-0.190112748	1.51E-05
AL139819.1	lncRNA	-0.41945154	3.41E-23	0.416352576	7.65E-23
AL157373.2	lncRNA	0.105186156	0.017381156	-0.149275693	0.000711408
AL157400.2	lncRNA	0.193810165	1.02E-05	-0.263791755	1.39E-09
AL157714.2	lncRNA	-0.2963211	8.13E-12	0.348211456	5.18E-16
AL157778.1	lncRNA	0.082384725	0.062753231	-0.085749692	0.05271838
AL157786.1	lncRNA	-0.58846152	6.21E-49	0.711807786	3.97E-80
AL157895.1	lncRNA	-0.59716899	1.06E-50	0.677017615	8.86E-70
AL157931.1	lncRNA	0.08714094	0.048979479	-0.093168534	0.03524543
AL158013.1	lncRNA	0.06507654	0.141824594	-0.088420499	0.045739195
AL158847.1	lncRNA	-0.34038504	2.51E-15	0.288097987	3.18E-11
AL160191.1	lncRNA	-0.30728187	1.23E-12	0.314705301	3.28E-13
AL160286.3	lncRNA	0.085953885	0.052155167	-0.128837176	0.003529179
AL160408.4	lncRNA	0.118500082	0.007326546	-0.146593775	0.000888462
AL160408.5	lncRNA	0.123015113	0.005359912	-0.171303294	9.96E-05
AL160412.1	lncRNA	0.122096467	0.005716481	-0.180037545	4.25E-05
AL161431.1	lncRNA	0.086715367	0.050098872	-0.106763529	0.015760434
AL161636.1	lncRNA	0.042337788	0.33950522	-0.061858389	0.162641945
AL161640.1	lncRNA	0.066847486	0.131274297	-0.114145007	0.009811312
AL161740.1	lncRNA	-0.45363369	2.65E-27	0.457186442	9.30E-28
AL161757.4	lncRNA	0.095303131	0.031241296	-0.110451577	0.012478149
AL161757.5	lncRNA	0.106126685	0.016398099	-0.195455018	8.57E-06
AL161785.1	lncRNA	-0.47206469	1.01E-29	0.55671145	6.30E-43
AL161937.2	lncRNA	0.173693403	7.92E-05	-0.234809012	7.87E-08
AL162384.1	lncRNA	0.134327308	0.002343292	-0.141972493	0.001291841
AL162413.1	lncRNA	0.146159141	0.000920725	-0.166575852	0.000155113
AL162457.2	lncRNA	0.063782127	0.149938127	-0.04687824	0.290199753
AL162511.1	lncRNA	-0.80407163	4.99E-117	0.814263733	2.57E-122



AL162574.2	lncRNA	0.107917161	0.014660528	-0.169828916	0.000114463
AL162725.2	lncRNA	0.032449891	0.464207509	-0.04472086	0.312994774
AL163952.1	lncRNA	0.132232747	0.002744415	-0.210393128	1.60E-06
AL353613.1	lncRNA	0.120208524	0.006516993	-0.195244255	8.76E-06
AL353693.1	lncRNA	0.169813665	0.000114628	-0.221568381	4.21E-07
AL353699.1	lncRNA	0.049286364	0.266103332	-0.019508212	0.659972547
AL353746.1	lncRNA	0.103744264	0.018988293	-0.098645837	0.025754092
AL354707.1	lncRNA	0.183368202	3.04E-05	-0.242929717	2.67E-08
AL354714.1	lncRNA	-0.65253807	2.59E-63	0.606417776	1.23E-52
AL354714.3	lncRNA	-0.78399456	1.80E-107	0.764163882	5.47E-99
AL354719.2	lncRNA	0.099985587	0.023800363	-0.164828481	0.000182197
AL354766.2	lncRNA	0.117244931	0.007977443	-0.070526058	0.111307804
AL354824.1	lncRNA	0.107293482	0.01524648	-0.111070949	0.011990545
AL354824.2	lncRNA	0.087733411	0.047456012	-0.089417021	0.043342125
AL354861.3	lncRNA	-0.11256329	0.010884227	0.121084274	0.006133938
AL354864.1	lncRNA	0.029572953	0.504762861	-0.027726939	0.531733936
AL354993.1	lncRNA	0.201154175	4.58E-06	-0.235798815	6.91E-08
AL354993.2	lncRNA	0.290329857	2.21E-11	-0.36102146	3.55E-17
AL355303.1	lncRNA	0.157329097	0.000356954	-0.244459436	2.17E-08
AL355304.1	lncRNA	-0.43996679	1.33E-25	0.441598177	8.39E-26
AL355338.1	lncRNA	0.309010768	9.08E-13	-0.38527309	1.58E-19
AL355388.1	lncRNA	-0.83958788	5.35E-137	0.824987143	3.04E-128
AL355472.3	lncRNA	0.17975383	4.37E-05	-0.277398076	1.76E-10
AL355472.4	lncRNA	0.178554452	4.93E-05	-0.291669092	1.77E-11
AL355482.2	lncRNA	0.139843704	0.001529359	-0.179210017	4.62E-05
AL355483.1	lncRNA	0.186149622	2.29E-05	-0.306376846	1.44E-12
AL355483.3	lncRNA	0.164039537	0.000195826	-0.239669149	4.14E-08
AL355607.1	lncRNA	0.082654364	0.061894958	-0.077143336	0.081477779
AL355607.2	lncRNA	0.024484225	0.58081076	-0.010800742	0.807569052
AL355990.2	lncRNA	0.099730533	0.024162102	-0.057736649	0.192559158
AL356010.2	lncRNA	0.088076726	0.046591538	-0.136495347	0.001985127
AL356234.2	lncRNA	0.086465094	0.050767097	-0.100879266	0.022569581
AL356277.3	lncRNA	0.127526754	0.003882919	-0.1414201	0.001349974
AL356299.2	lncRNA	0.246000747	1.76E-08	-0.313002187	4.46E-13
AL356361.2	lncRNA	0.120056202	0.006585767	-0.208023173	2.11E-06
AL356740.3	lncRNA	0.06332864	0.152862632	-0.08672834	0.050064435
AL357054.4	lncRNA	-0.60737482	7.72E-53	0.656690139	2.29E-64
AL357153.3	lncRNA	0.030593294	0.490169795	-0.024160647	0.585821664
AL357558.1	lncRNA	0.056312088	0.203784384	-0.067160356	0.129475138
AL358115.1	lncRNA	0.260256958	2.34E-09	-0.306365452	1.45E-12
AL358332.1	lncRNA	0.205514133	2.81E-06	-0.272986479	3.49E-10
AL358334.2	lncRNA	0.167558848	0.000141587	-0.218433849	6.16E-07
AL358394.1	lncRNA	0.110199534	0.01268153	-0.142189667	0.001269623
AL359513.1	lncRNA	0.250674546	9.21E-09	-0.331284228	1.49E-14
AL359551.1	lncRNA	0.094152599	0.033348265	-0.151454978	0.000592252
AL359771.1	lncRNA	0.128116199	0.003720008	-0.208223174	2.06E-06
AL359792.1	lncRNA	0.028011876	0.527523862	-0.034658681	0.434340109
AL359924.1	lncRNA	0.032934229	0.457562352	-0.052138555	0.239386284
AL365181.2	lncRNA	0.11735985	0.007915771	-0.17716099	5.65E-05
AL365181.3	lncRNA	0.140768582	0.001421627	-0.205939267	2.67E-06
AL365199.1	lncRNA	-0.56658696	1.00E-44	0.605016679	2.45E-52
AL365356.3	lncRNA	0.082873427	0.061204823	-0.050083476	0.25843865
AL365356.4	lncRNA	0.164750207	0.000183508	-0.143226891	0.001168284
AL365361.1	lncRNA	-0.58102353	1.82E-47	0.70664939	1.69E-78
AL390036.1	lncRNA	-0.70508057	5.22E-78	0.753567005	8.63E-95
AL390115.1	lncRNA	0.046975405	0.289200005	-0.023662245	0.593578751

AL390719.2	lncRNA	0.212593682	1.24E-06	-0.247942677	1.35E-08
AL391069.4	lncRNA	0.174213119	7.53E-05	-0.243004978	2.65E-08
AL391097.1	lncRNA	0.117557583	0.007810653	-0.132270164	0.002736732
AL391097.2	lncRNA	0.145274719	0.000989746	-0.157184029	0.000361523
AL391152.1	lncRNA	0.250634014	9.26E-09	-0.340093624	2.66E-15
AL391361.3	lncRNA	0.084337764	0.05675306	-0.060354293	0.173125834
AL391427.1	lncRNA	0.149353904	0.000706773	-0.248335247	1.28E-08
AL391704.1	lncRNA	0.084019972	0.057695647	-0.078197376	0.077387129
AL391807.1	lncRNA	-0.38109425	4.15E-19	0.386492428	1.19E-19
AL445072.1	lncRNA	0.188896725	1.72E-05	-0.264255459	1.30E-09
AL445307.1	lncRNA	-0.83156429	4.40E-132	0.82791505	6.23E-130
AL445423.1	lncRNA	-0.75030322	1.54E-93	0.785466761	3.88E-108
AL445426.1	lncRNA	-0.60138053	1.42E-51	0.626209259	5.35E-57
AL445430.2	lncRNA	-0.63846648	7.33E-60	0.644953543	1.98E-61
AL445470.1	lncRNA	-0.65458082	7.88E-64	0.681525442	4.87E-71
AL445471.1	lncRNA	0.205804446	2.72E-06	-0.173969186	7.71E-05
AL445493.3	lncRNA	-0.8081964	3.95E-119	0.833472301	3.15E-133
AL445524.1	lncRNA	0.154197636	0.0004686	-0.157061478	0.000365426
AL445531.1	lncRNA	0.204013907	3.33E-06	-0.318456301	1.66E-13
AL445647.1	lncRNA	0.047240289	0.286486344	-0.038136424	0.389630613
AL445673.1	lncRNA	0.148888232	0.000734788	-0.155574211	0.000416024
AL449403.2	lncRNA	0.060010281	0.175592938	-0.118594146	0.007279736
AL451050.2	lncRNA	0.217921523	6.56E-07	-0.313340064	4.19E-13
AL451062.1	lncRNA	0.042444237	0.338291247	-0.062768495	0.156534449
AL451069.2	lncRNA	-0.47499852	4.05E-30	0.495518394	5.12E-33
AL512328.1	lncRNA	-0.56374235	3.35E-44	0.571233705	1.36E-45
AL512363.1	lncRNA	0.181048737	3.84E-05	-0.277930694	1.62E-10
AL512380.1	lncRNA	0.024211574	0.585031685	-0.02389261	0.589987541
AL512488.1	lncRNA	0.032280528	0.466543771	-0.012727441	0.774101
AL512604.2	lncRNA	0.103164648	0.019669967	-0.136178057	0.002034207
AL512622.1	lncRNA	0.139206857	0.001607845	-0.240987458	3.47E-08
AL512625.2	lncRNA	0.184293214	2.77E-05	-0.268511799	6.89E-10
AL512638.2	lncRNA	-0.20590251	2.69E-06	0.185090289	2.55E-05
AL512785.1	lncRNA	0.047696606	0.281851834	-0.075097323	0.089916908
AL513123.1	lncRNA	0.250837074	9.00E-09	-0.356942121	8.45E-17
AL513164.1	lncRNA	0.107034746	0.015495537	-0.13261433	0.002666977
AL513283.1	lncRNA	0.013916702	0.753645505	-0.007403816	0.867403114
AL513304.1	lncRNA	0.034048225	0.44248216	-0.015284646	0.730328833
AL513318.2	lncRNA	0.229829059	1.50E-07	-0.295581814	9.21E-12
AL583808.1	lncRNA	0.310143495	7.43E-13	-0.418398074	4.50E-23
AL589182.1	lncRNA	0.08354914	0.059115981	-0.099636626	0.024296482
AL589684.1	lncRNA	0.057022614	0.198127615	-0.036946472	0.404604706
AL589740.1	lncRNA	0.08334641	0.059736394	-0.108508314	0.014123498
AL589743.5	lncRNA	0.145429508	0.000977331	-0.167734102	0.000139295
AL589986.2	lncRNA	0.144289863	0.001072206	-0.263726215	1.41E-09
AL590226.1	lncRNA	-0.69035109	1.43E-73	0.719557724	1.20E-82
AL590617.2	lncRNA	0.253435128	6.24E-09	-0.372483026	2.91E-18
AL590644.1	lncRNA	0.061494054	0.165136526	-0.092575347	0.036432809
AL590666.2	lncRNA	0.147709071	0.000810391	-0.210459435	1.59E-06
AL590666.3	lncRNA	0.130687274	0.003079444	-0.123646942	0.005126426
AL591178.1	lncRNA	-0.51342702	1.03E-35	0.584185091	4.37E-48
AL591222.1	lncRNA	0.096301164	0.029506879	-0.109322535	0.013412191
AL591501.1	lncRNA	0.146221869	0.000916003	-0.25352893	6.16E-09
AL592043.1	lncRNA	0.146540216	0.00089238	-0.206674192	2.46E-06
AL592114.3	lncRNA	-0.51668299	3.22E-36	0.529349849	3.03E-38
AL592309.2	lncRNA	0.066920362	0.130853507	-0.091519784	0.038629827

AL592486.1	lncRNA	0.06626629	0.134667684	-0.111756583	0.011470485
AL596223.1	lncRNA	0.052774174	0.233698738	-0.048716959	0.2716731
AL596330.1	lncRNA	0.062232026	0.160113219	-0.107052127	0.015478696
AL596442.1	lncRNA	0.084556661	0.056111259	-0.121724992	0.005866625
AL606469.1	lncRNA	-0.74973417	2.53E-93	0.762523743	2.52E-98
AL606970.4	lncRNA	0.102769286	0.020147078	-0.150090105	0.000664494
AL645608.3	lncRNA	0.114921569	0.00931979	-0.11777624	0.007695864
AL645608.7	lncRNA	0.116121583	0.008603263	-0.126354189	0.004226343
AL645608.9	lncRNA	0.094131871	0.03338731	-0.034595177	0.435183051
AL683887.1	lncRNA	0.15864959	0.000317767	-0.252661017	6.97E-09
AL731557.1	lncRNA	-0.73505685	6.01E-88	0.77226818	2.37E-102
AL731684.1	lncRNA	0.095714281	0.030516495	-0.07651574	0.083995395
AL772337.2	lncRNA	-0.1263438	0.004229506	0.116961448	0.008131414
AL844175.1	lncRNA	0.062954716	0.155306423	-0.078879011	0.074831731
AL845311.1	lncRNA	0.016884956	0.703364978	-0.03049781	0.491525761
AL929601.1	lncRNA	0.061911103	0.162283375	-0.059814595	0.177007928
AP000251.1	lncRNA	0.257812182	3.34E-09	-0.352160645	2.30E-16
AP000438.1	lncRNA	-0.74483796	1.73E-91	0.754392326	4.14E-95
AP000439.1	lncRNA	-0.31682098	2.23E-13	0.353942921	1.58E-16
AP000439.3	lncRNA	0.046060987	0.298700296	-0.069182922	0.118301339
AP000525.1	lncRNA	0.197284423	7.02E-06	-0.217948699	6.54E-07
AP000526.1	lncRNA	0.170089178	0.000111686	-0.227961342	1.90E-07
AP000553.2	lncRNA	0.188373657	1.82E-05	-0.238159242	5.06E-08
AP000679.1	lncRNA	0.235671549	7.03E-08	-0.303662943	2.32E-12
AP000688.1	lncRNA	0.126501502	0.004181739	-0.214276738	1.01E-06
AP000696.1	lncRNA	0.143826804	0.001113127	-0.166884023	0.000150747
AP000697.1	lncRNA	0.185039087	2.56E-05	-0.209660822	1.74E-06
AP000820.1	lncRNA	0.100412724	0.023205046	-0.109512306	0.013251014
AP000821.1	lncRNA	-0.49122576	2.15E-32	0.519623228	1.11E-36
AP000842.3	lncRNA	0.110813121	0.012191437	-0.134128946	0.002378846
AP000851.1	lncRNA	0.052503979	0.236104682	-0.048414206	0.274666735
AP000851.2	lncRNA	0.051230957	0.24767512	-0.039318445	0.375093983
AP000864.1	lncRNA	0.179047686	4.69E-05	-0.214340074	1.01E-06
AP000866.2	lncRNA	-0.85760681	4.23E-149	0.872884745	9.54E-161
AP000880.1	lncRNA	0.159616004	0.000291675	-0.220094908	5.04E-07
AP001042.1	lncRNA	0.086542831	0.050558749	-0.08860019	0.045298909
AP001065.2	lncRNA	0.063280055	0.153178505	-0.099057559	0.025139471
AP001094.2	lncRNA	-0.67779949	5.38E-70	0.722896029	9.31E-84
AP001178.1	lncRNA	0.170195352	0.000110572	-0.2111736	1.46E-06
AP001189.1	lncRNA	-0.66001373	3.18E-65	0.682041621	3.49E-71
AP001189.3	lncRNA	-0.6703419	5.92E-68	0.711658454	4.43E-80
AP001189.5	lncRNA	-0.67468917	3.89E-69	0.722676453	1.10E-83
AP001189.6	lncRNA	-0.54723091	2.96E-41	0.603807748	4.41E-52
AP001208.2	lncRNA	0.160509164	0.000269352	-0.167923708	0.000136854
AP001360.1	lncRNA	0.067384352	0.128198816	-0.111915504	0.01135283
AP001360.2	lncRNA	0.09037614	0.041135851	-0.166321635	0.000158803
AP001528.2	lncRNA	-0.64366367	4.09E-61	0.691717795	5.68E-74
AP001547.1	lncRNA	0.056562566	0.201777009	-0.057118245	0.197375091
AP001574.1	lncRNA	0.072197509	0.103063855	-0.010967202	0.804662674
AP001790.1	lncRNA	0.106382225	0.016139564	-0.163684118	0.000202272
AP001972.1	lncRNA	-0.67163784	2.64E-68	0.683413068	1.42E-71
AP002478.1	lncRNA	0.124997982	0.004657647	-0.178773922	4.82E-05
AP002761.3	lncRNA	-0.68499943	5.03E-72	0.765148307	2.17E-99
AP002784.1	lncRNA	0.120337107	0.006459439	-0.168170278	0.00013374
AP002856.2	lncRNA	-0.72153084	2.66E-83	0.713086009	1.55E-80
AP002954.1	lncRNA	-0.55672248	6.27E-43	0.625124897	9.46E-57

AP003063.1	lncRNA	0.08853598	0.045455828	-0.125950831	0.004350684
AP003063.2	lncRNA	0.069385443	0.117225365	-0.09736357	0.027751982
AP003119.1	lncRNA	0.105989101	0.016538792	-0.18498592	2.58E-05
AP003119.2	lncRNA	0.228997132	1.66E-07	-0.340616542	2.40E-15
AP003119.3	lncRNA	0.183972759	2.86E-05	-0.240188161	3.87E-08
AP003181.1	lncRNA	0.088514436	0.045508579	-0.109573472	0.013199429
AP003390.1	lncRNA	0.243140709	2.60E-08	-0.353667485	1.68E-16
AP003390.2	lncRNA	0.155720992	0.000410754	-0.213368832	1.13E-06
AP003469.1	lncRNA	0.184252097	2.78E-05	-0.266272544	9.65E-10
AP003469.2	lncRNA	0.25172015	7.95E-09	-0.307100598	1.27E-12
AP003469.3	lncRNA	0.186064437	2.31E-05	-0.230187336	1.43E-07
AP003500.1	lncRNA	0.099287635	0.024801557	-0.083697614	0.058664995
AP003548.1	lncRNA	-0.53710027	1.58E-39	0.544719551	8.02E-41
AP003559.1	lncRNA	0.153980524	0.000477435	-0.119724601	0.006737742
AP003680.1	lncRNA	0.257665755	3.41E-09	-0.345927637	8.24E-16
AP003721.1	lncRNA	0.21900978	5.75E-07	-0.299386527	4.84E-12
AP003774.3	lncRNA	-0.5049769	2.02E-34	0.547405956	2.76E-41
AP003900.1	lncRNA	0.097793805	0.02706727	-0.120763859	0.006271678
AP005137.2	lncRNA	0.073031277	0.099136516	-0.065019268	0.142176318
AP005203.1	lncRNA	0.112190051	0.011152088	-0.116524538	0.008373913
AP005229.2	lncRNA	0.053950291	0.223428046	-0.06358911	0.151177642
AP005230.1	lncRNA	0.213879284	1.06E-06	-0.246485935	1.65E-08
AP005233.2	lncRNA	0.069599966	0.116093996	-0.072931337	0.099600894
AP005264.3	lncRNA	0.100703993	0.022806526	-0.126468568	0.004191674
AP005328.1	lncRNA	0.192175434	1.22E-05	-0.239650367	4.15E-08
AP005328.2	lncRNA	0.1413764	0.001354674	-0.213024306	1.18E-06
AP006545.2	lncRNA	0.119015365	0.007073384	-0.156938324	0.000369387
ARNTL2-AS1	lncRNA	0.146085656	0.000926286	-0.194175702	9.83E-06
ATP13A4-AS1	lncRNA	-0.2007359	4.80E-06	0.303813576	2.26E-12
ATP13A5-AS1	lncRNA	0.123921035	0.00502802	-0.13729916	0.0018656
ATP2A1-AS1	lncRNA	0.224172566	3.05E-07	-0.320115238	1.22E-13
ATP6V1B1-AS1	lncRNA	0.144718422	0.001035574	-0.214663219	9.69E-07
B3GALT5-AS1	lncRNA	0.075977982	0.086202236	-0.093187855	0.035207315
BBOX1-AS1	lncRNA	0.320372435	1.16E-13	-0.414721574	1.16E-22
BCRP3	lncRNA	-0.48003877	8.19E-31	0.517823388	2.13E-36
BLACAT1	lncRNA	0.181122527	3.81E-05	-0.177281597	5.59E-05
BLACE	lncRNA	0.135489936	0.002144485	-0.190203112	1.50E-05
BX005019.1	lncRNA	0.079532951	0.07244516	-0.046059999	0.298710669
BX248123.1	lncRNA	-0.65359695	1.40E-63	0.685619569	3.34E-72
BX322234.2	lncRNA	0.054853456	0.215762479	-0.064884571	0.143006176
BX324167.1	lncRNA	0.136709751	0.001952578	-0.196885323	7.34E-06
C10orf91	lncRNA	0.124857408	0.004704551	-0.198675735	6.03E-06
C11orf44	lncRNA	0.09426694	0.033133585	-0.067796329	0.125876883
C12orf77	lncRNA	0.025194178	0.569887192	-0.013905563	0.753836318
C15orf59-AS1	lncRNA	0.083226301	0.060106499	-0.13162035	0.002872985
C17orf77	lncRNA	0.032474646	0.463866579	-0.019362023	0.662362589
C2orf48	lncRNA	0.199795028	5.33E-06	-0.240781325	3.57E-08
C5orf64	lncRNA	-0.70081822	1.07E-76	0.730015664	3.50E-86
C5orf66-AS1	lncRNA	0.126412409	0.004208664	-0.188209445	1.85E-05
C8orf34-AS1	lncRNA	-0.64492424	2.01E-61	0.741691053	2.48E-90
C8orf49	lncRNA	0.099933346	0.023874072	-0.167277938	0.000145334
CACNA2D3-AS1	lncRNA	0.12960944	0.003334664	-0.215040888	9.26E-07
CADM3-AS1	lncRNA	-0.71711055	7.67E-82	0.769591053	3.17E-101
CALML3-AS1	lncRNA	0.258429389	3.06E-09	-0.306857861	1.33E-12
CARMN	lncRNA	-0.69385568	1.33E-74	0.728130944	1.56E-85
CASC11	lncRNA	0.025179223	0.570116279	-0.016764842	0.705376429

CASC19	lncRNA	0.160565031	0.00026801	-0.254119061	5.67E-09
CASC20	lncRNA	0.193110642	1.10E-05	-0.27560047	2.33E-10
CASC8	lncRNA	0.18817695	1.85E-05	-0.272239621	3.91E-10
CASC9	lncRNA	0.310341299	7.17E-13	-0.395780176	1.31E-20
CDKN2A-AS1	lncRNA	0.104632935	0.017983144	-0.11382989	0.010017246
CHODL-AS1	lncRNA	0.140147845	0.001493132	-0.186858517	2.13E-05
CLDN10-AS1	lncRNA	0.037192934	0.401475414	0.011498478	0.795404794
CLEC12A-AS1	lncRNA	0.142408674	0.001247575	-0.205230724	2.90E-06
CR392039.3	lncRNA	0.08146435	0.065757031	-0.131969651	0.002798995
CU104787.1	lncRNA	0.04117375	0.352961683	-0.055757881	0.208277321
CU634019.6	lncRNA	0.180401653	4.10E-05	-0.220164844	4.99E-07
CU639417.4	lncRNA	0.159573729	0.000292773	-0.188196523	1.85E-05
CYP4A22-AS1	lncRNA	0.262911672	1.59E-09	-0.301444731	3.40E-12
CYP4F26P	lncRNA	0.18133392	3.73E-05	-0.263774895	1.40E-09
CYYR1-AS1	lncRNA	0.133271321	0.002538299	-0.218507178	6.11E-07
DANT1	lncRNA	0.054564865	0.218191069	-0.063967529	0.148754815
DARS-AS1	lncRNA	0.300613261	3.92E-12	-0.378698865	7.17E-19
DDR1-AS1	lncRNA	0.055739346	0.208428812	-0.069392134	0.11718995
DDX11-AS1	lncRNA	0.314641635	3.32E-13	-0.392050576	3.20E-20
DEPDC1-AS1	lncRNA	0.23857906	4.79E-08	-0.308924591	9.22E-13
DGCR9	lncRNA	0.178626473	4.89E-05	-0.272769807	3.61E-10
DIO2-AS1	lncRNA	0.077255361	0.081034876	-0.076047439	0.0859146
DLG1-AS1	lncRNA	0.171500631	9.77E-05	-0.275154782	2.50E-10
DSCAM-AS1	lncRNA	0.030245138	0.495123607	0.006164588	0.889440285
DSG1-AS1	lncRNA	0.180071315	4.24E-05	-0.266519951	9.29E-10
DUXAP8	lncRNA	0.228305821	1.82E-07	-0.277171275	1.82E-10
EGLN3-AS1	lncRNA	0.069468479	0.116786424	-0.073371985	0.097566336
ELDR	lncRNA	0.023034438	0.603416045	-0.029286	0.508907659
ELOVL2-AS1	lncRNA	0.069835057	0.114864001	-0.070911781	0.10936072
EPHA5-AS1	lncRNA	0.052417115	0.236881855	-0.101658787	0.021541443
ERVK-28	lncRNA	0.081085109	0.067028653	-0.078935083	0.074624618
EWSAT1	lncRNA	0.084183554	0.057208846	-0.08301147	0.060773206
F11-AS1	lncRNA	-0.46254165	1.87E-28	0.456400373	1.17E-27
FAM222A-AS1	lncRNA	0.137140574	0.001888646	-0.170847609	0.000103952
FAM230B	lncRNA	0.048529798	0.273521115	-0.052570815	0.235507923
FAM239A	lncRNA	0.153351675	0.000503909	-0.187326136	2.03E-05
FAM239C	lncRNA	0.088495443	0.045555128	-0.092683627	0.036213564
FAM83A-AS1	lncRNA	0.129675039	0.003318598	-0.097178926	0.028050375
FAM83C-AS1	lncRNA	0.263260643	1.51E-09	-0.353045252	1.91E-16
FENDRR	lncRNA	-0.80630237	3.70E-118	0.816143367	2.51E-123
FER1L6-AS2	lncRNA	0.058919485	0.183588497	-0.068916523	0.119728434
FEZF1-AS1	lncRNA	0.171811184	9.49E-05	-0.267890637	7.57E-10
FIRRE	lncRNA	0.252220998	7.41E-09	-0.33178062	1.35E-14
FMR1-AS1	lncRNA	0.186898827	2.12E-05	-0.255111812	4.92E-09
FO393415.1	lncRNA	-0.46630015	5.99E-29	0.426699308	5.02E-24
FOXCUT	lncRNA	0.110070038	0.012787158	-0.084062962	0.057567381
FOXD3-AS1	lncRNA	0.206815942	2.42E-06	-0.242020837	3.02E-08
FP236383.2	lncRNA	0.023376439	0.598048062	-0.02496952	0.57333327
FP236383.3	lncRNA	0.018991681	0.668432649	-0.005538199	0.900612963
FP325330.3	lncRNA	0.230630869	1.35E-07	-0.299422074	4.81E-12
FRMD6-AS1	lncRNA	0.269038336	6.36E-10	-0.392988029	2.56E-20
FSIP2-AS1	lncRNA	0.210517857	1.58E-06	-0.281803799	8.78E-11
G2E3-AS1	lncRNA	0.269220173	6.19E-10	-0.38689563	1.08E-19
GACAT2	lncRNA	0.133256508	0.002541137	-0.179828756	4.34E-05
GATA3-AS1	lncRNA	0.035144973	0.427916313	-0.003193641	0.942588671
GATA6-AS1	lncRNA	-0.82480658	3.86E-128	0.874763826	2.78E-162

GDNF-AS1	lncRNA	0.111840181	0.011408461	-0.095286628	0.031270694
GHET1	lncRNA	0.281088971	9.84E-11	-0.346023066	8.09E-16
GRM5-AS1	lncRNA	0.073691824	0.096110431	-0.070295918	0.112482458
HAGLROS	lncRNA	0.236519474	6.29E-08	-0.306073573	1.52E-12
HHIP-AS1	lncRNA	-0.60246344	8.45E-52	0.652228375	3.10E-63
HID1-AS1	lncRNA	-0.83528612	2.49E-134	0.857089872	9.92E-149
HLX-AS1	lncRNA	-0.61973338	1.55E-55	0.667915611	2.65E-67
HOTAIR	lncRNA	0.078441295	0.07646467	-0.074657166	0.091821089
HOXA10-AS	lncRNA	0.195312126	8.70E-06	-0.20857881	1.98E-06
HOXB-AS4	lncRNA	0.138841212	0.001654562	-0.138857525	0.001652451
HOXC13-AS	lncRNA	0.134371006	0.002335525	-0.119781693	0.006711354
HOXC-AS1	lncRNA	0.164409756	0.000189316	-0.193683579	1.04E-05
HOXC-AS2	lncRNA	0.196845017	7.37E-06	-0.226519095	2.27E-07
HOXC-AS3	lncRNA	0.105802337	0.016731467	-0.104829048	0.017767692
HOXD-AS2	lncRNA	0.153287951	0.000506667	-0.196550395	7.61E-06
IDH2-DT	lncRNA	0.041570262	0.348340648	-0.056098509	0.205507458
IGF2-AS	lncRNA	0.049374934	0.265244057	-0.042146119	0.3416981
IGF2BP2-AS1	lncRNA	0.141633142	0.001327274	-0.229552656	1.55E-07
IGFL2-AS1	lncRNA	0.100989742	0.022421331	-0.118475536	0.007338805
IL20RB-AS1	lncRNA	0.13432049	0.002344506	-0.18549941	2.45E-05
KAZN-AS1	lncRNA	0.042135528	0.341819529	-0.042126689	0.341920895
KC877392.1	lncRNA	-0.43306806	8.95E-25	0.470820239	1.49E-29
KCNH1-IT1	lncRNA	0.132018476	0.002788792	-0.20566518	2.76E-06
KCNIP4-IT1	lncRNA	0.101248325	0.022077633	-0.147580842	0.000819033
KCNMB2-AS1	lncRNA	0.308816447	9.40E-13	-0.438810127	1.83E-25
KCNQ1-AS1	lncRNA	-0.44718585	1.72E-26	0.527116742	6.99E-38
KCNQ5-IT1	lncRNA	0.182106538	3.46E-05	-0.263541809	1.45E-09
KDM4A-AS1	lncRNA	0.216467754	7.81E-07	-0.321098694	1.02E-13
KIAA0087	lncRNA	-0.29551102	9.32E-12	0.310955286	6.43E-13
KIRREL3-AS3	lncRNA	0.068602552	0.121427589	-0.07337357	0.09755908
LANCL1-AS1	lncRNA	-0.87493623	2.00E-162	0.86215839	2.01E-152
LDLRAD4-AS1	lncRNA	-0.70967554	1.89E-79	0.71457557	5.12E-81
LEF1-AS1	lncRNA	0.220502237	4.79E-07	-0.209321701	1.81E-06
LHFPL3-AS1	lncRNA	-0.42201676	1.74E-23	0.383841994	2.20E-19
LHFPL3-AS2	lncRNA	-0.82822264	4.12E-130	0.807126813	1.40E-118
LHX5-AS1	lncRNA	0.098852783	0.025443562	-0.152469334	0.000543361
LINC00051	lncRNA	0.056846707	0.1995173	-0.073969655	0.094859859
LINC00052	lncRNA	0.043487821	0.326537326	-0.032920951	0.457743822
LINC00113	lncRNA	-0.19618094	7.92E-06	0.198623067	6.07E-06
LINC00163	lncRNA	-0.68208261	3.39E-71	0.699804482	2.18E-76
LINC00165	lncRNA	-0.27358046	3.18E-10	0.293864753	1.23E-11
LINC00173	lncRNA	0.167515609	0.000142158	-0.227637777	1.98E-07
LINC00184	lncRNA	0.13762418	0.00181917	-0.160484948	0.000269936
LINC00211	lncRNA	-0.38681695	1.10E-19	0.427015083	4.61E-24
LINC00308	lncRNA	0.068842603	0.120126795	-0.090778096	0.040239843
LINC00319	lncRNA	0.136995418	0.001909969	-0.151755857	0.00057734
LINC00320	lncRNA	0.019955081	0.652688167	-0.023705609	0.592901977
LINC00355	lncRNA	0.197963591	6.52E-06	-0.240037481	3.94E-08
LINC00381	lncRNA	0.12983521	0.003279666	-0.200015211	5.20E-06
LINC00391	lncRNA	0.148372352	0.000767022	-0.211717012	1.37E-06
LINC00392	lncRNA	0.091693538	0.038260645	-0.124419808	0.004853306
LINC00393	lncRNA	0.09017028	0.041601223	-0.132939242	0.002602615
LINC00404	lncRNA	0.042271447	0.340263212	-0.059894851	0.176426585
LINC00408	lncRNA	0.033017842	0.456420587	-0.0460827	0.298472324
LINC00458	lncRNA	0.041672608	0.347154135	-0.05575483	0.208302253
LINC00460	lncRNA	0.0789443	0.074590616	-0.0553058	0.211995015

LINC00461	lncRNA	0.059930775	0.176166817	-0.063404662	0.152369375
LINC00462	lncRNA	0.094963067	0.031851863	-0.159610031	0.00029183
LINC00469	lncRNA	-0.30382222	2.25E-12	0.375958522	1.33E-18
LINC00470	lncRNA	0.205173151	2.92E-06	-0.26909939	6.31E-10
LINC00472	lncRNA	-0.6008817	1.81E-51	0.630715208	4.91E-58
LINC00485	lncRNA	0.107443792	0.015103414	-0.127442816	0.003906636
LINC00488	lncRNA	0.049051838	0.268387836	-0.027671114	0.532560768
LINC00491	lncRNA	0.312435787	4.93E-13	-0.401227811	3.47E-21
LINC00492	lncRNA	0.191588372	1.30E-05	-0.268061599	7.37E-10
LINC00504	lncRNA	0.132027709	0.002786866	-0.159744834	0.000288352
LINC00511	lncRNA	0.330102068	1.87E-14	-0.384679997	1.81E-19
LINC00518	lncRNA	0.086351692	0.051072323	-0.071257194	0.107639992
LINC00519	lncRNA	0.185621984	2.42E-05	-0.266334278	9.56E-10
LINC00520	lncRNA	0.117754102	0.007707417	-0.184865872	2.61E-05
LINC00525	lncRNA	0.117808759	0.007678921	-0.007949073	0.857738243
LINC00534	lncRNA	0.094362312	0.032955424	-0.152723846	0.000531696
LINC00536	lncRNA	0.042888359	0.333256366	-0.064366788	0.146230732
LINC00540	lncRNA	0.112873554	0.01066592	-0.150905416	0.000620416
LINC00551	lncRNA	-0.46491615	9.13E-29	0.526171229	9.95E-38
LINC00556	lncRNA	0.123848928	0.005053742	-0.209185304	1.84E-06
LINC00557	lncRNA	0.104344877	0.018303745	-0.152471467	0.000543262
LINC00592	lncRNA	0.165676054	0.000168549	-0.227246249	2.08E-07
LINC00601	lncRNA	0.082404119	0.062691173	-0.083986499	0.057795679
LINC00607	lncRNA	-0.78954699	5.21E-110	0.838358755	3.15E-136
LINC00613	lncRNA	0.027349045	0.537343579	-0.039538201	0.372428714
LINC00615	lncRNA	0.086383732	0.050985929	-0.167220259	0.000146115
LINC00619	lncRNA	-0.41104185	2.98E-22	0.453544563	2.72E-27
LINC00626	lncRNA	0.064079853	0.148041381	-0.106002496	0.016525048
LINC00628	lncRNA	0.027291026	0.53820745	-0.01919171	0.665151385
LINC00629	lncRNA	0.171868519	9.43E-05	-0.192360473	1.19E-05
LINC00640	lncRNA	0.208214679	2.06E-06	-0.296039887	8.53E-12
LINC00645	lncRNA	0.187851483	1.92E-05	-0.268907999	6.49E-10
LINC00648	lncRNA	0.11926736	0.006952452	-0.134536632	0.0023063
LINC00656	lncRNA	-0.7159471	1.84E-81	0.692750669	2.82E-74
LINC00661	lncRNA	0.037315887	0.399919732	-0.063617942	0.150991996
LINC00665	lncRNA	0.192597408	1.16E-05	-0.204047843	3.31E-06
LINC00668	lncRNA	0.196636313	7.54E-06	-0.310859917	6.54E-13
LINC00670	lncRNA	-0.46815109	3.40E-29	0.455597533	1.49E-27
LINC00671	lncRNA	-0.5692016	3.27E-45	0.636666454	1.97E-59
LINC00676	lncRNA	0.012610068	0.776128593	0.012189442	0.783407266
LINC00682	lncRNA	0.079227312	0.073552751	-0.07875531	0.075290303
LINC00698	lncRNA	0.074509328	0.092467858	-0.080869992	0.067758884
LINC00701	lncRNA	0.133184771	0.00255492	-0.177306527	5.57E-05
LINC00702	lncRNA	-0.76827318	1.12E-100	0.78364564	2.58E-107
LINC00704	lncRNA	0.103839175	0.018878656	-0.114903118	0.00933121
LINC00705	lncRNA	0.109969084	0.012870042	-0.155449962	0.000420534
LINC00707	lncRNA	0.064336139	0.146423325	-0.033401224	0.451205872
LINC00840	lncRNA	-0.46080587	3.16E-28	0.501453675	6.82E-34
LINC00844	lncRNA	-0.70466109	7.05E-78	0.728562811	1.11E-85
LINC00851	lncRNA	0.092913955	0.035750924	-0.151036837	0.00061357
LINC00858	lncRNA	0.200070667	5.17E-06	-0.230246406	1.42E-07
LINC00871	lncRNA	0.142889289	0.00120042	-0.231106213	1.27E-07
LINC00885	lncRNA	0.180706498	3.98E-05	-0.259564935	2.59E-09
LINC00887	lncRNA	0.194354061	9.65E-06	-0.204522326	3.14E-06
LINC00891	lncRNA	-0.8132285	9.17E-122	0.852070134	3.28E-145
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LINC00896	lncRNA	0.13066458	0.003084629	-0.122127243	0.005704199
LINC00898	lncRNA	0.196161753	7.94E-06	-0.27948923	1.27E-10
LINC00924	lncRNA	-0.58837877	6.45E-49	0.625598256	7.38E-57
LINC00928	lncRNA	0.180961237	3.88E-05	-0.223855796	3.17E-07
LINC00930	lncRNA	-0.29897415	5.19E-12	0.325871756	4.17E-14
LINC00940	lncRNA	-0.60244983	8.51E-52	0.608998006	3.47E-53
LINC00941	lncRNA	0.151929956	0.000568871	-0.151969712	0.000566953
LINC00942	lncRNA	0.096863049	0.028567243	-0.137927872	0.001776745
LINC00958	lncRNA	0.197941463	6.54E-06	-0.231570645	1.20E-07
LINC00967	lncRNA	0.013315789	0.763960771	-0.012760888	0.77352348
LINC00968	lncRNA	-0.82886841	1.73E-130	0.850587807	3.39E-144
LINC00970	lncRNA	0.072435108	0.101932318	-0.079743973	0.071688421
LINC00973	lncRNA	0.03855624	0.384428992	0.027630042	0.533169499
LINC00974	lncRNA	0.073706977	0.096041886	-0.107394344	0.015150349
LINC00982	lncRNA	-0.63519666	4.38E-59	0.692180206	4.15E-74
LINC00992	lncRNA	0.179069451	4.68E-05	-0.274068125	2.95E-10
LINC01013	lncRNA	-0.24149904	3.24E-08	0.250690875	9.19E-09
LINC01029	lncRNA	0.016641644	0.70744166	-0.015098442	0.733488661
LINC01031	lncRNA	-0.38390707	2.17E-19	0.390964022	4.14E-20
LINC01063	lncRNA	0.224808085	2.82E-07	-0.363803948	1.95E-17
LINC01077	lncRNA	0.083060221	0.060621377	-0.119749752	0.006726106
LINC01082	lncRNA	-0.74674898	3.36E-92	0.755693842	1.29E-95
LINC01087	lncRNA	0.073447216	0.097222316	-0.083569732	0.059053261
LINC01093	lncRNA	-0.25279772	6.83E-09	0.286029267	4.46E-11
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LINC01099	lncRNA	-0.45325218	2.96E-27	0.480486353	7.10E-31
LINC01105	lncRNA	-0.6015039	1.34E-51	0.619844869	1.46E-55
LINC01108	lncRNA	-0.51529678	5.30E-36	0.508972172	5.01E-35
LINC01115	lncRNA	0.080888156	0.067696975	-0.083597152	0.058969831
LINC01115.1	lncRNA	0.091031267	0.039684008	-0.119739244	0.006730965
LINC01116	lncRNA	0.168709644	0.00012716	-0.154105135	0.000472345
LINC01117	lncRNA	0.170724743	0.00010517	-0.18309187	3.13E-05
LINC01120	lncRNA	0.12908985	0.003464432	-0.111039788	0.012014668
LINC01127	lncRNA	0.030173106	0.49615184	-0.026058122	0.556727536
LINC01133	lncRNA	0.148413952	0.000764375	-0.247636417	1.40E-08
LINC01139	lncRNA	0.152980868	0.000520153	-0.174297465	7.47E-05
LINC01143	lncRNA	0.107172505	0.015362491	-0.137890676	0.001781892
LINC01153	lncRNA	0.035620885	0.42168337	-0.047224997	0.286642536
LINC01160	lncRNA	0.087293902	0.048582288	-0.123431257	0.005205079
LINC01165	lncRNA	-0.47232146	9.35E-30	0.472368164	9.22E-30
LINC01166	lncRNA	-0.40923801	4.71E-22	0.364859996	1.55E-17
LINC01168	lncRNA	-0.36437327	1.73E-17	0.321211025	9.96E-14
LINC01173	lncRNA	0.093472105	0.034650619	-0.108724695	0.0139313
LINC01179	lncRNA	0.030732264	0.48819988	-0.028132809	0.525742141
LINC01182	lncRNA	0.034292838	0.439209182	-0.044471322	0.315705271
LINC01192	lncRNA	0.073850747	0.095393486	-0.082234715	0.063234954
LINC01194	lncRNA	0.126390735	0.004215237	-0.157004719	0.000367246
LINC01197	lncRNA	-0.71579328	2.06E-81	0.734097092	1.31E-87
LINC01202	lncRNA	0.133715686	0.002454503	-0.152269159	0.000552701
LINC01203	lncRNA	0.032909852	0.457895526	-0.029208764	0.510026306
LINC01205	lncRNA	0.100414339	0.02320282	-0.125098159	0.004624479
LINC01206	lncRNA	0.076189964	0.085326796	-0.112011633	0.011282182
LINC01208	lncRNA	0.082076504	0.063746308	-0.112196268	0.011147579
LINC01213	lncRNA	0.095720977	0.030504811	-0.069914288	0.114451775
LINC01214	lncRNA	0.062280836	0.15978508	-0.015427331	0.727910587
LINC01224	lncRNA	0.111473132	0.011683015	-0.162825154	0.000218683



LINC01228	lncRNA	0.071975597	0.104129657	-0.150320603	0.000651747
LINC01234	lncRNA	0.170720782	0.00010521	-0.245840035	1.80E-08
LINC01249	lncRNA	0.136709352	0.001952638	-0.171675314	9.61E-05
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LINC01257	lncRNA	0.027422895	0.536244983	-0.031907322	0.471714793
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LINC01269	lncRNA	0.09022517	0.041476705	-0.079958812	0.070924641
LINC01280	lncRNA	0.145876624	0.000942274	-0.21568848	8.57E-07
LINC01289	lncRNA	0.113092605	0.010514138	-0.158610119	0.000318878
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LINC01297	lncRNA	0.075223848	0.089375448	-0.064055678	0.148194714
LINC01297.1	lncRNA	0.081710433	0.064942552	-0.090742444	0.040318643
LINC01305	lncRNA	0.0950692	0.031660221	-0.122820455	0.005433751
LINC01312	lncRNA	0.061244535	0.166861466	-0.099003749	0.025219073
LINC01320	lncRNA	0.049826751	0.260890361	-0.051948598	0.241104762
LINC01324	lncRNA	0.03793028	0.392200335	-0.049622581	0.2628516
LINC01326	lncRNA	0.041838827	0.345232606	-0.063329714	0.152855657
LINC01344	lncRNA	0.121098663	0.006127817	-0.145897605	0.000940658
LINC01352	lncRNA	-0.73138139	1.17E-86	0.784915295	6.90E-108
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LINC01370	lncRNA	0.059812547	0.177022781	-0.121572273	0.005929372
LINC01385	lncRNA	0.161717533	0.000241686	-0.201788446	4.27E-06
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LINC01393	lncRNA	0.215774271	8.49E-07	-0.258938606	2.84E-09
LINC01395	lncRNA	0.086137121	0.051654036	-0.064888034	0.142984797
LINC01412	lncRNA	-0.64805361	3.41E-62	0.679883885	1.41E-70
LINC01416	lncRNA	0.104743711	0.017861166	-0.155876228	0.000405249
LINC01429	lncRNA	0.153178724	0.000511426	-0.114378793	0.00966097
LINC01440	lncRNA	0.022029022	0.619320483	-0.042394355	0.338859773
LINC01445	lncRNA	0.013112824	0.76745443	0.000485573	0.99126362
LINC01446	lncRNA	0.063681966	0.150580369	-0.081106009	0.066958055
LINC01449	lncRNA	0.131921726	0.002809043	-0.05334686	0.228656692
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LINC01456	lncRNA	0.186801329	2.14E-05	-0.252997004	6.64E-09
LINC01460	lncRNA	0.176097783	6.27E-05	-0.195912373	8.15E-06
LINC01467	lncRNA	0.014388274	0.745580975	-0.005437205	0.902416243
LINC01468	lncRNA	0.097425605	0.027652344	-0.107205321	0.015330946
LINC01470	lncRNA	0.08878835	0.044841696	-0.093880661	0.033863612
LINC01475	lncRNA	0.075538617	0.088039756	-0.096603649	0.028997794
LINC01491	lncRNA	0.105081208	0.017493983	-0.179351006	4.55E-05
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LINC01497	lncRNA	0.015698137	0.72332837	-0.026631612	0.548074417
LINC01505	lncRNA	0.018092837	0.683254605	-0.026550179	0.549299076
LINC01506	lncRNA	-0.44726697	1.68E-26	0.501268192	7.27E-34
LINC01518	lncRNA	0.104186568	0.018482054	-0.099062372	0.025132362
LINC01543	lncRNA	0.018063377	0.683742513	-0.024267686	0.584161844
LINC01546	lncRNA	0.124603019	0.004790518	-0.15062226	0.000635407
LINC01551	lncRNA	0.030409909	0.492775814	-0.009658254	0.827586331
LINC01559	lncRNA	0.116754735	0.008245354	-0.100689316	0.022826465
LINC01561	lncRNA	0.1610368	0.000256926	-0.097090622	0.028194052
LINC01564	lncRNA	0.190008425	1.53E-05	-0.321736247	9.04E-14
LINC01572	lncRNA	0.416156888	8.04E-23	-0.504483584	2.40E-34
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LINC01583	lncRNA	0.087578421	0.047850661	-0.090723515	0.040360534
LINC01587	lncRNA	0.045587447	0.303700849	-0.043786941	0.323217697
LINC01592	lncRNA	0.167424037	0.000143374	-0.213927623	1.06E-06

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LINC01606	lncRNA	0.059286778	0.180866737	-0.060363956	0.173056911
LINC01608	lncRNA	0.059443271	0.179716195	-0.062781305	0.156449744
LINC01612	lncRNA	-0.46334364	1.47E-28	0.500733947	8.73E-34
LINC01614	lncRNA	0.151288472	0.000600657	-0.032698061	0.460795926
LINC01616	lncRNA	-0.37257931	2.84E-18	0.338205617	3.86E-15
LINC01624	lncRNA	-0.43014547	1.98E-24	0.44193833	7.62E-26
LINC01625	lncRNA	-0.40039202	4.26E-21	0.414794832	1.14E-22
LINC01629	lncRNA	0.094605596	0.032504651	-0.097434493	0.027638094
LINC01633	lncRNA	0.273214938	3.37E-10	-0.378621928	7.30E-19
LINC01645	lncRNA	-0.75870553	8.46E-97	0.78333379	3.56E-107
LINC01647	lncRNA	0.023806824	0.59132371	-0.019760269	0.655859778
LINC01665	lncRNA	0.036876982	0.405489627	-0.047980878	0.278990445
LINC01666	lncRNA	0.097290585	0.027869601	-0.109603801	0.013173917
LINC01671	lncRNA	-0.4027365	2.39E-21	0.45451552	2.04E-27
LINC01681	lncRNA	0.06699238	0.130438695	-0.067019861	0.130280674
LINC01687	lncRNA	0.05160952	0.244193784	-0.066790303	0.131605207
LINC01697	lncRNA	0.129120896	0.003456551	-0.221165754	4.42E-07
LINC01698	lncRNA	0.113527581	0.010218407	-0.148835449	0.000738028
LINC01703	lncRNA	0.246219172	1.71E-08	-0.371950747	3.27E-18
LINC01707	lncRNA	0.114047007	0.00987495	-0.132333524	0.002723767
LINC01711	lncRNA	0.18027422	4.15E-05	-0.095623809	0.030674738
LINC01731	lncRNA	0.047880114	0.280002446	-0.073954604	0.094927273
LINC01748	lncRNA	0.316555558	2.34E-13	-0.381541353	3.74E-19
LINC01749	lncRNA	0.055284547	0.212170955	-0.026186144	0.55479012
LINC01752	lncRNA	0.175763435	6.48E-05	-0.268137585	7.29E-10
LINC01775	lncRNA	0.219263966	5.57E-07	-0.224396464	2.97E-07
LINC01785	lncRNA	-0.6485141	2.62E-62	0.623318114	2.43E-56
LINC01792	lncRNA	0.08910056	0.044091616	-0.063781567	0.149941717
LINC01807	lncRNA	0.205916295	2.68E-06	-0.235938789	6.78E-08
LINC01811	lncRNA	-0.28079604	1.03E-10	0.270968718	4.75E-10
LINC01812	lncRNA	0.039750109	0.369869732	-0.034546479	0.435830105
LINC01819	lncRNA	0.032999213	0.456674835	0.019749615	0.656033411
LINC01827	lncRNA	-0.31898713	1.50E-13	0.326890447	3.44E-14
LINC01833	lncRNA	0.081154542	0.066794342	-0.092023322	0.03756816
LINC01836	lncRNA	-0.70345175	1.67E-77	0.71370487	9.77E-81
LINC01842	lncRNA	0.107951768	0.014628602	-0.139000083	0.001634113
LINC01844	lncRNA	-0.3895403	5.80E-20	0.391952166	3.27E-20
LINC01850	lncRNA	0.119310054	0.006932147	-0.160524932	0.000268973
LINC01854	lncRNA	0.069955858	0.114235959	-0.055407655	0.211153266
LINC01863	lncRNA	-0.73949533	1.55E-89	0.741716867	2.42E-90
LINC01873	lncRNA	0.212813881	1.21E-06	-0.302289082	2.94E-12
LINC01876	lncRNA	0.248678279	1.22E-08	-0.332937738	1.08E-14
LINC01887	lncRNA	0.119565921	0.006811571	-0.152481827	0.000542783
LINC01895	lncRNA	0.044625574	0.314027972	-0.043421592	0.327275303
LINC01896	lncRNA	0.092602017	0.036378704	-0.108252449	0.014353775
LINC01901	lncRNA	0.172190145	9.15E-05	-0.246440568	1.66E-08
LINC01905	lncRNA	0.212540938	1.25E-06	-0.302195005	2.99E-12
LINC01910	lncRNA	0.102455618	0.020532738	-0.091531182	0.038605517
LINC01920	lncRNA	0.085930282	0.052220012	-0.086762411	0.049974088
LINC01929	lncRNA	0.090069041	0.041831715	-0.032351527	0.465563597
LINC01936	lncRNA	-0.75728677	3.07E-96	0.819243814	5.09E-125
LINC01942	lncRNA	-0.3489086	4.49E-16	0.369972093	5.07E-18
LINC01956	lncRNA	0.066294757	0.134499919	-0.084662965	0.05580176
LINC01964	lncRNA	0.054806674	0.21615484	-0.106434097	0.016087522
LINC01967	lncRNA	0.232473199	1.07E-07	-0.303988934	2.19E-12

LINC01968	lncRNA	0.211041588	1.48E-06	-0.286165979	4.36E-11
LINC01971	lncRNA	0.173459543	8.10E-05	-0.233156162	9.75E-08
LINC01977	lncRNA	0.183762183	2.92E-05	-0.166785684	0.000152128
LINC01979	lncRNA	0.082908102	0.061096166	-0.073424526	0.09732597
LINC01980	lncRNA	0.271960421	4.08E-10	-0.385649372	1.45E-19
LINC01981	lncRNA	0.226791609	2.20E-07	-0.311963049	5.37E-13
LINC01985	lncRNA	-0.67391594	6.33E-69	0.695020146	5.99E-75
LINC01989	lncRNA	0.051873284	0.241788501	-0.102266605	0.020768217
LINC01992	lncRNA	0.108442125	0.014182754	-0.172255081	9.09E-05
LINC01994	lncRNA	0.105163085	0.017405904	-0.184922621	2.60E-05
LINC01995	lncRNA	0.069497233	0.116634726	-0.134997068	0.002226802
LINC01996	lncRNA	-0.68906	3.40E-73	0.699210791	3.30E-76
LINC01998	lncRNA	0.054351596	0.219998342	-0.037897936	0.392604458
LINC02002	lncRNA	0.02603271	0.557112486	-0.034814766	0.432272232
LINC02003	lncRNA	0.154100299	0.000472542	-0.142649257	0.001223761
LINC02005	lncRNA	0.101994392	0.021111474	-0.084170197	0.057248465
LINC02012	lncRNA	0.180125523	4.22E-05	-0.286737349	3.97E-11
LINC02014	lncRNA	0.193568923	1.05E-05	-0.20850315	1.99E-06
LINC02016	lncRNA	-0.60549372	1.94E-52	0.615976841	1.05E-54
LINC02031	lncRNA	0.079810725	0.071450393	-0.14083064	0.001414655
LINC02033	lncRNA	-0.61259749	5.79E-54	0.667735742	2.96E-67
LINC02038	lncRNA	-0.6915082	6.55E-74	0.641495891	1.37E-60
LINC02041	lncRNA	0.183307437	3.06E-05	-0.239651102	4.15E-08
LINC02043	lncRNA	0.13157183	0.002883402	-0.211537291	1.40E-06
LINC02046	lncRNA	0.065117986	0.141570472	-0.087094703	0.049100075
LINC02055	lncRNA	0.068043189	0.124501286	-0.088936137	0.044485312
LINC02068	lncRNA	0.130408675	0.003143653	-0.185110038	2.55E-05
LINC02071	lncRNA	0.123104826	0.005326186	-0.188898675	1.72E-05
LINC02076	lncRNA	0.195894101	8.17E-06	-0.309497887	8.33E-13
LINC02081	lncRNA	0.138109502	0.001751808	-0.129125941	0.003455272
LINC02104	lncRNA	-0.48382909	2.42E-31	0.503738543	3.11E-34
LINC02105	lncRNA	0.053292094	0.229135503	-0.078363269	0.076758773
LINC02109	lncRNA	0.15142368	0.000593823	-0.199242229	5.67E-06
LINC02111	lncRNA	0.095009723	0.031767496	-0.1323646	0.002717428
LINC02120	lncRNA	0.069890373	0.114576076	-0.116583076	0.008341053
LINC02122	lncRNA	0.065475572	0.139392454	-0.07952113	0.072487741
LINC02125	lncRNA	0.07297608	0.099392778	-0.074357606	0.093135408
LINC02126	lncRNA	-0.52121109	6.21E-37	0.615902562	1.10E-54
LINC02128	lncRNA	0.105494339	0.017053508	-0.103458282	0.019322012
LINC02137	lncRNA	0.08959414	0.042927352	-0.131563712	0.002885148
LINC02141	lncRNA	0.109723028	0.013074045	-0.150656377	0.000633583
LINC02147	lncRNA	-0.54079387	3.76E-40	0.573553873	4.95E-46
LINC02152	lncRNA	0.064035352	0.148323719	-0.087476568	0.048111502
LINC02156	lncRNA	0.265740448	1.04E-09	-0.325578882	4.41E-14
LINC02159	lncRNA	0.095964711	0.030082119	-0.125940225	0.004353998
LINC02163	lncRNA	0.296057443	8.50E-12	-0.391672664	3.50E-20
LINC02167	lncRNA	0.021948507	0.620601985	-0.031391801	0.478909199
LINC02185	lncRNA	-0.68471413	6.07E-72	0.69803766	7.47E-76
LINC02188	lncRNA	0.080841305	0.067856756	-0.024367946	0.582609138
LINC02196	lncRNA	0.047609149	0.282736127	-0.062935165	0.155435011
LINC02200	lncRNA	0.045911938	0.300268299	-0.083034825	0.06070043
LINC02212	lncRNA	0.025532975	0.564709004	-0.036481555	0.410547111
LINC02232	lncRNA	0.066670651	0.132299703	-0.089277873	0.043670343
LINC02253	lncRNA	0.182682617	3.26E-05	-0.183197419	3.09E-05
LINC02254	lncRNA	0.154062611	0.000474077	-0.153895126	0.000480953
LINC02261	lncRNA	0.081882277	0.06437872	-0.121848703	0.005816234

LINC02269	lncRNA	0.136702739	0.001953634	-0.145013976	0.001010988
LINC02289	lncRNA	-0.54549456	5.90E-41	0.57287098	6.67E-46
LINC02293	lncRNA	0.092902274	0.035774265	-0.080883115	0.067714153
LINC02301	lncRNA	0.063379314	0.152533709	-0.10201627	0.021083706
LINC02303	lncRNA	0.030894332	0.485907942	-0.000904353	0.983729769
LINC02306	lncRNA	0.109796152	0.013013123	-0.145094965	0.001004345
LINC02310	lncRNA	0.084125732	0.057380525	-0.128103808	0.003723368
LINC02315	lncRNA	0.232795425	1.02E-07	-0.320056934	1.23E-13
LINC02321	lncRNA	0.198189733	6.36E-06	-0.269885503	5.60E-10
LINC02327	lncRNA	0.071556793	0.106164869	-0.081210209	0.066606972
LINC02348	lncRNA	0.150505798	0.00064167	-0.164330951	0.000190684
LINC02356	lncRNA	-0.50187639	5.90E-34	0.562234407	6.32E-44
LINC02360	lncRNA	-0.26121084	2.04E-09	0.227385115	2.04E-07
LINC02377	lncRNA	0.101318649	0.021984954	-0.107279185	0.01526015
LINC02382	lncRNA	0.097641495	0.027307987	-0.159944436	0.000283273
LINC02386	lncRNA	0.016892571	0.70323752	-0.020299197	0.647101124
LINC02387	lncRNA	0.128117609	0.003719626	-0.130134935	0.003207925
LINC02392	lncRNA	0.050834541	0.251357615	-0.058878976	0.18389052
LINC02393	lncRNA	0.050976814	0.250031616	-0.088068989	0.046610875
LINC02404	lncRNA	0.02931914	0.508428083	-0.03369564	0.447224195
LINC02428	lncRNA	0.271181847	4.60E-10	-0.379206324	6.39E-19
LINC02434	lncRNA	0.058314914	0.18813424	-0.046132981	0.297944864
LINC02435	lncRNA	-0.56935374	3.06E-45	0.603177689	5.98E-52
LINC02437	lncRNA	0.102379647	0.020627104	-0.085800288	0.052578353
LINC02438	lncRNA	0.165706931	0.00016807	-0.196340956	7.78E-06
LINC02443	lncRNA	0.233057243	9.88E-08	-0.310285457	7.24E-13
LINC02444	lncRNA	0.101986836	0.021121072	-0.110579132	0.012376323
LINC02445	lncRNA	0.023494603	0.596198413	-0.03652026	0.410050435
LINC02448	lncRNA	0.055746849	0.208367479	-0.05007929	0.258478498
LINC02457	lncRNA	0.138030417	0.001762626	-0.221884103	4.05E-07
LINC02465	lncRNA	0.164160292	0.00019368	-0.192301651	1.20E-05
LINC02466	lncRNA	0.229974162	1.47E-07	-0.285297683	5.01E-11
LINC02471	lncRNA	-0.67418932	5.33E-69	0.723726094	4.90E-84
LINC02477	lncRNA	0.100389696	0.023236809	-0.097864869	0.026955584
LINC02484	lncRNA	0.073247502	0.098137712	-0.093403803	0.034783698
LINC02489	lncRNA	-0.6760808	1.61E-69	0.710198805	1.29E-79
LINC02492	lncRNA	0.063835542	0.149596483	-0.062584747	0.157753355
LINC02501	lncRNA	0.018265552	0.680396845	-0.044481212	0.315597557
LINC02505	lncRNA	0.101745594	0.021429505	-0.108472849	0.014155222
LINC02512	lncRNA	-0.48732194	7.77E-32	0.55091508	6.72E-42
LINC02527	lncRNA	0.112303875	0.011069789	-0.135623276	0.002122698
LINC02541	lncRNA	0.214851526	9.47E-07	-0.319559898	1.35E-13
LINC02542	lncRNA	0.202027164	4.16E-06	-0.25034066	9.65E-09
LINC02544	lncRNA	0.164017781	0.000196215	-0.05922524	0.181320661
LINC02555	lncRNA	-0.76765721	2.02E-100	0.779349153	2.09E-105
LINC02560	lncRNA	0.166246879	0.000159904	-0.182125873	3.45E-05
LINC02561	lncRNA	0.134097924	0.00238445	-0.23318422	9.72E-08
LINC02562	lncRNA	0.228722383	1.72E-07	-0.286735555	3.97E-11
LINC02575	lncRNA	0.070240087	0.112768887	-0.120037874	0.006594086
LINC02582	lncRNA	0.061200237	0.167169103	-0.114121606	0.009826475
LINC-ROR	lncRNA	0.074275033	0.09350033	-0.094951307	0.031873159
LINP1	lncRNA	0.136666192	0.001959151	-0.133849323	0.0024298
LIVAR	lncRNA	0.136404804	0.001999021	-0.209225681	1.83E-06
LMO7DN-IT1	lncRNA	-0.56317719	4.25E-44	0.540063619	5.00E-40
LNK1-AS1	lncRNA	0.026895457	0.544115762	-0.04419821	0.318689398
LSAMP-AS1	lncRNA	0.192371483	1.19E-05	-0.264209125	1.31E-09

LUARIS	lncRNA	0.142156976	0.001272945	-0.15468559	0.000449294
MAFA-AS1	lncRNA	0.113701295	0.010102381	-0.126886781	0.004067088
MAGI2-AS3	lncRNA	-0.73804227	5.19E-89	0.822730188	5.81E-127
MAMDC2-AS1	lncRNA	-0.63415848	7.70E-59	0.6740179	5.94E-69
MED4-AS1	lncRNA	-0.67297824	1.14E-68	0.653080305	1.89E-63
MEF2C-AS1	lncRNA	-0.64368845	4.03E-61	0.744636318	2.05E-91
MELTF-AS1	lncRNA	0.308995568	9.11E-13	-0.437311529	2.78E-25
MIR1-1HG-AS1	lncRNA	-0.4269289	4.72E-24	0.481188732	5.67E-31
MIR124-2HG	lncRNA	0.049805411	0.261094881	-0.074275218	0.093499511
MIR137HG	lncRNA	0.051359599	0.246488246	-0.020687387	0.64082225
MIR2052HG	lncRNA	0.268927761	6.47E-10	-0.366988623	9.77E-18
MIR205HG	lncRNA	0.282065611	8.42E-11	-0.361895576	2.94E-17
MIR2117HG	lncRNA	0.16833235	0.00013173	-0.254553503	5.33E-09
MIR29B2CHG	lncRNA	-0.53918331	7.05E-40	0.592488697	9.62E-50
MIR3945HG	lncRNA	-0.64938884	1.59E-62	0.644687877	2.30E-61
MIR4300HG	lncRNA	0.04337222	0.327826155	-0.079839228	0.071348954
MIR4527HG	lncRNA	0.018358382	0.678862756	-0.015700009	0.723296732
MIR4713HG	lncRNA	0.305891326	1.57E-12	-0.381118829	4.12E-19
MIR497HG	lncRNA	-0.71745957	5.89E-82	0.78858844	1.45E-109
MIR548XHG	lncRNA	0.115318061	0.00907738	-0.138557083	0.001691719
MIR5689HG	lncRNA	0.11985582	0.006677232	-0.103162704	0.019672287
MIR9-3HG	lncRNA	0.162265095	0.000230045	-0.189989334	1.53E-05
MKRN3-AS1	lncRNA	0.179011599	4.71E-05	-0.205700726	2.75E-06
MLIP-IT1	lncRNA	0.173362161	8.18E-05	-0.236458397	6.34E-08
MNX1-AS1	lncRNA	0.152211562	0.000555417	-0.214753343	9.59E-07
MTUS2-AS1	lncRNA	0.112682471	0.010799906	-0.15251036	0.000541464
MYHAS	lncRNA	0.142902615	0.001199136	-0.081994799	0.064011718
MYO16-AS1	lncRNA	-0.60797731	5.74E-53	0.591915353	1.26E-49
NKX2-1-AS1	lncRNA	-0.34871166	4.67E-16	0.435396342	4.72E-25
NPSR1-AS1	lncRNA	0.16585796	0.000165748	-0.244087731	2.28E-08
OGFRP1	lncRNA	0.334092376	8.64E-15	-0.418276199	4.64E-23
OSTM1-AS1	lncRNA	0.034403875	0.437728078	-0.043398347	0.32753458
OTX2-AS1	lncRNA	0.093687826	0.034233153	-0.115980771	0.008684719
OVAAL	lncRNA	0.028169251	0.525205853	-0.047986062	0.278938456
OVOL1-AS1	lncRNA	0.16045135	0.000270747	-0.176196889	6.21E-05
PACRG-AS3	lncRNA	-0.73015258	3.14E-86	0.719055767	1.76E-82
PAQR9-AS1	lncRNA	0.072702783	0.10066938	-0.053868291	0.224133518
PARAL1	lncRNA	-0.40115923	3.53E-21	0.398016135	7.61E-21
PARD3-AS1	lncRNA	0.194353208	9.65E-06	-0.300895442	3.74E-12
PART1	lncRNA	0.127969582	0.003759941	-0.214726317	9.62E-07
PCAT18	lncRNA	0.026263474	0.553621451	-0.020606019	0.642136248
PCAT19	lncRNA	-0.73591562	2.98E-88	0.770675433	1.11E-101
PCAT5	lncRNA	0.081392302	0.065997077	-0.10615919	0.016365013
PCAT6	lncRNA	0.291904307	1.70E-11	-0.344951632	1.00E-15
PCAT7	lncRNA	0.251693006	7.98E-09	-0.325227262	4.71E-14
PEX5L-AS1	lncRNA	0.012244998	0.782444803	-0.031528597	0.476994324
PGM5-AS1	lncRNA	-0.79463247	2.11E-112	0.796143671	3.98E-113
PGM5P3-AS1	lncRNA	-0.33867671	3.52E-15	0.37082223	4.20E-18
PGM5P4-AS1	lncRNA	-0.80926356	1.11E-119	0.820358572	1.23E-125
PINCR	lncRNA	0.032612126	0.461975692	-0.024448575	0.581361854
PKP4-AS1	lncRNA	0.115920005	0.008720082	-0.176186346	6.22E-05
POU6F2-AS2	lncRNA	0.284962791	5.29E-11	-0.374184053	1.99E-18
PSG8-AS1	lncRNA	0.075988561	0.086158378	-0.076388472	0.08451351
PTCSC2	lncRNA	0.159183479	0.000303095	-0.268925946	6.47E-10
PTCSC3	lncRNA	-0.41181187	2.45E-22	0.445407625	2.85E-26
PURPL	lncRNA	0.064951507	0.142593327	-0.081756156	0.064792136

PVT1	lncRNA	0.285765912	4.65E-11	-0.333069559	1.05E-14
RAPGEF4-AS1	lncRNA	0.169761639	0.000115191	-0.216488853	7.79E-07
RBPMS-AS1	lncRNA	-0.73325882	2.59E-87	0.74958359	2.88E-93
RMST	lncRNA	-0.53920254	6.99E-40	0.571721173	1.10E-45
ROCR	lncRNA	0.043019081	0.331783646	-0.043824085	0.322807009
RRM1-AS1	lncRNA	0.204034375	3.32E-06	-0.265640093	1.06E-09
RUNDC3A-AS1	lncRNA	0.202797012	3.82E-06	-0.207704895	2.19E-06
SALRNA1	lncRNA	0.163385635	0.000207839	-0.15970927	0.000289265
SAMD12-AS1	lncRNA	0.160493834	0.000269722	-0.27067115	4.97E-10
SAMMSON	lncRNA	0.167568446	0.00014146	-0.173378709	8.16E-05
SATB1-AS1	lncRNA	0.223642069	3.26E-07	-0.292119695	1.64E-11
SFTA1P	lncRNA	-0.87241957	2.27E-160	0.88797232	7.83E-174
SFTPD-AS1	lncRNA	-0.70250544	3.26E-77	0.748296577	8.82E-93
SIX3-AS1	lncRNA	0.0622023	0.160313313	-0.107844975	0.014727319
SLC12A5-AS1	lncRNA	0.088642735	0.045195187	-0.064643166	0.14450272
SLC12A9-AS1	lncRNA	0.194561658	9.43E-06	-0.262248859	1.75E-09
SLC14A2-AS1	lncRNA	-0.65238199	2.83E-63	0.69539583	4.63E-75
SLC2A1-AS1	lncRNA	0.265866184	1.02E-09	-0.369339574	5.83E-18
SLC9A3-AS1	lncRNA	0.172082095	9.24E-05	-0.225499007	2.58E-07
SMAD9-IT1	lncRNA	-0.54011708	4.90E-40	0.552473937	3.57E-42
SMCR2	lncRNA	0.199696455	5.39E-06	-0.278077088	1.58E-10
SMILR	lncRNA	0.10303911	0.019820385	-0.107189953	0.015345712
SMIM25	lncRNA	-0.81100551	1.37E-120	0.853186992	5.55E-146
SNHG4	lncRNA	0.281266788	9.56E-11	-0.364498174	1.68E-17
SOX1-OT	lncRNA	0.044378907	0.316712973	-0.06018549	0.174333171
SOX21-AS1	lncRNA	0.280283519	1.12E-10	-0.380631372	4.61E-19
SOX2-OT	lncRNA	0.078770919	0.075232312	-0.122382066	0.005603407
SPATA3-AS1	lncRNA	0.155748099	0.000409788	-0.148356323	0.000768045
SSTR5-AS1	lncRNA	0.075678305	0.087452167	-0.063998585	0.148557301
STARD13-AS	lncRNA	-0.56243754	5.81E-44	0.615150175	1.60E-54
STEAP2-AS1	lncRNA	0.1886774	1.76E-05	-0.243262868	2.56E-08
STEAP3-AS1	lncRNA	0.129151676	0.003448754	-0.131348149	0.002931873
STPG2-AS1	lncRNA	0.086568817	0.05048926	-0.097405025	0.027685365
TARID	lncRNA	-0.53043296	2.01E-38	0.506742795	1.09E-34
TBL1XR1-AS1	lncRNA	0.173087817	8.39E-05	-0.239963228	3.98E-08
TBX18-AS1	lncRNA	0.122948338	0.005385139	-0.157639846	0.000347346
TBX5-AS1	lncRNA	-0.75889927	7.09E-97	0.825852386	9.72E-129
TCF4-AS1	lncRNA	0.107646331	0.014912499	-0.209559387	1.76E-06
TDRG1	lncRNA	0.027472153	0.535512854	-0.043933465	0.321599614
TEX41	lncRNA	0.194183143	9.83E-06	-0.268684524	6.71E-10
TFAP2A-AS1	lncRNA	0.308462183	1.00E-12	-0.324128743	5.79E-14
TLR8-AS1	lncRNA	-0.2307185	1.33E-07	0.261114209	2.07E-09
TM4SF1-AS1	lncRNA	0.153141267	0.000513067	-0.241623717	3.19E-08
TMEM108-AS1	lncRNA	-0.49408005	8.30E-33	0.489759503	3.49E-32
TMEM132D-AS1	lncRNA	0.055745951	0.208374818	-0.080881883	0.06771835
TMPO-AS1	lncRNA	0.37385823	2.14E-18	-0.483111468	3.05E-31
TRPM2-AS	lncRNA	0.259968567	2.44E-09	-0.350887515	2.99E-16
TTLL11-IT1	lncRNA	0.085284469	0.054020528	-0.044822153	0.311898897
TTY16	lncRNA	-0.28904975	2.72E-11	0.315434535	2.87E-13
TTY20	lncRNA	0.013315089	0.763972815	-0.025725731	0.561773018
TUSC7	lncRNA	0.029761669	0.502046729	-0.056116159	0.205364671
TUSC8	lncRNA	0.050377986	0.255645756	-0.025085584	0.571551711
U47924.1	lncRNA	0.221092158	4.46E-07	-0.28012028	1.15E-10
U62317.1	lncRNA	0.085112953	0.054507301	-0.066304975	0.134439738
U62317.2	lncRNA	0.161315331	0.000250585	-0.161645159	0.000243265
U95743.1	lncRNA	0.075565994	0.087924344	-0.089834304	0.042370286

UCA1	lncRNA	0.044479625	0.315614841	-0.026782986	0.545801521
VIPR1-AS1	lncRNA	-0.60215227	9.82E-52	0.609533429	2.66E-53
VPS9D1-AS1	lncRNA	0.287339342	3.60E-11	-0.388772601	6.95E-20
WNT5A-AS1	lncRNA	0.193113071	1.10E-05	-0.274946215	2.58E-10
XXYLT1-AS1	lncRNA	0.160976785	0.000258312	-0.236158528	6.59E-08
Z82185.1	lncRNA	0.044200313	0.318666344	-0.072031693	0.10385942
Z82246.1	lncRNA	-0.57402568	4.03E-46	0.604250658	3.56E-52
Z83851.1	lncRNA	0.328237283	2.66E-14	-0.422172704	1.67E-23
Z83851.2	lncRNA	0.27661565	1.99E-10	-0.393953217	2.03E-20
Z92544.1	lncRNA	0.1504954	0.000642232	-0.200736551	4.80E-06
Z93403.1	lncRNA	0.240282435	3.82E-08	-0.355968936	1.04E-16
Z97206.2	lncRNA	0.03119	0.481741639	-0.041467221	0.349537805
Z98257.1	lncRNA	0.045775742	0.301705858	0.012024712	0.786263007
Z99943.1	lncRNA	0.129076288	0.00346788	-0.176726393	5.90E-05
ZEB2-AS1	lncRNA	-0.71084549	8.04E-80	0.82187284	1.76E-126
ZFHX4-AS1	lncRNA	0.108084522	0.014506698	-0.138598515	0.001686254
ZFPM2-AS1	lncRNA	0.213695873	1.09E-06	-0.23481767	7.86E-08
ITLN1	mRNA	-0.28206976	8.42E-11	0.252529238	7.10E-09
RTKN2	mRNA	-0.83659864	3.90E-135	0.835379223	2.19E-134
HSD17B6	mRNA	-0.83908187	1.11E-136	0.843172842	2.78E-139
ROBO4	mRNA	-0.85328268	4.76E-146	0.867498765	1.78E-156
CLEC3B	mRNA	-0.87265839	1.46E-160	0.874986294	1.82E-162
PTPRB	mRNA	-0.86308024	4.14E-153	0.890976644	1.16E-176
TEK	mRNA	-0.84887802	4.86E-143	0.872075872	4.30E-160
CDH5	mRNA	-0.88173195	3.33E-168	0.908528912	4.73E-195
ACVRL1	mRNA	-0.89150567	3.60E-177	0.926637256	2.12E-218
RAMP2	mRNA	-0.8555402	1.25E-147	0.866842434	5.73E-156
CLIC5	mRNA	-0.87851351	2.01E-165	0.87496633	1.89E-162
LDB2	mRNA	-0.88192985	2.23E-168	0.917964573	1.52E-206
RGCC	mRNA	-0.85239431	1.96E-145	0.887175163	4.28E-173
INMT	mRNA	-0.89419465	8.68E-180	0.898300998	6.32E-184
NOSTRIN	mRNA	-0.88357743	7.79E-170	0.911248672	3.12E-198
FAM107A	mRNA	-0.69515787	5.45E-75	0.697681485	9.56E-76
HIGD1B	mRNA	-0.79346749	7.55E-112	0.796683227	2.19E-113
EDNRB	mRNA	-0.86198775	2.70E-152	0.88198281	2.01E-168
PRX	mRNA	-0.7730413	1.11E-102	0.778981905	3.03E-105
AGER	mRNA	-0.86462662	2.83E-154	0.860069008	6.98E-151
ARHGEF15	mRNA	-0.87854994	1.87E-165	0.912183621	2.38E-199
GPD1	mRNA	-0.80947101	8.64E-120	0.801114332	1.49E-115
DLC1	mRNA	-0.86902965	1.14E-157	0.908457348	5.71E-195
NPR1	mRNA	-0.87144565	1.38E-159	0.889375576	3.82E-175
ESAM	mRNA	-0.88237972	8.98E-169	0.924237945	5.58E-215
SECISBP2L	mRNA	-0.8052829	1.22E-117	0.848401245	1.01E-142
SLC39A8	mRNA	-0.88210437	1.57E-168	0.90243597	2.83E-188
USHBP1	mRNA	-0.8801925	7.28E-167	0.907999079	1.92E-194
WWC2	mRNA	-0.86758218	1.53E-156	0.893250797	7.34E-179
CSRNP1	mRNA	-0.76531272	1.86E-99	0.806662836	2.42E-118
TNXB	mRNA	-0.79687033	1.78E-113	0.771238017	6.46E-102
TCF21	mRNA	-0.87604231	2.42E-163	0.899564855	3.10E-185
MYZAP	mRNA	-0.82269931	6.05E-127	0.845128945	1.49E-140
SEMA3G	mRNA	-0.77947	1.85E-105	0.796696306	2.15E-113
GPIHBP1	mRNA	-0.78706048	7.29E-109	0.773357955	8.17E-103
TUBB1	mRNA	-0.68767359	8.57E-73	0.664251135	2.49E-66
RAMP3	mRNA	-0.77686952	2.53E-104	0.813240176	9.04E-122
LRRC36	mRNA	-0.81558518	5.03E-123	0.806371493	3.41E-118
KANK3	mRNA	-0.8659397	2.83E-155	0.903423586	2.42E-189

CLEC14A	mRNA	-0.84801126	1.85E-142	0.885150022	3.02E-171
MYCT1	mRNA	-0.87426836	7.09E-162	0.907275687	1.28E-193
MCEMP1	mRNA	-0.82352833	2.06E-127	0.806173235	4.30E-118
RS1	mRNA	-0.87543776	7.70E-163	0.856382893	3.16E-148
EMCN	mRNA	-0.87777149	8.55E-165	0.908779657	2.43E-195
PRG4	mRNA	-0.37528448	1.55E-18	0.359991787	4.42E-17
S1PR1	mRNA	-0.8367258	3.25E-135	0.881744438	3.25E-168
FCN3	mRNA	-0.74287041	9.17E-91	0.768699012	7.47E-101
PECAM1	mRNA	-0.87297432	8.07E-161	0.920513287	6.90E-210
PLAC9	mRNA	-0.82682104	2.69E-129	0.836578353	4.01E-135
SH2D3C	mRNA	-0.8673528	2.31E-156	0.921658219	2.00E-211
FHL5	mRNA	-0.86518581	1.07E-154	0.877628802	1.13E-164
ADGRF5	mRNA	-0.87059088	6.64E-159	0.908406222	6.54E-195
EPAS1	mRNA	-0.81558765	5.01E-123	0.849853339	1.07E-143
ECSCR	mRNA	-0.85187269	4.48E-145	0.888013267	7.18E-174
JAM2	mRNA	-0.86277887	6.95E-153	0.89332961	6.14E-179
LYVE1	mRNA	-0.82644428	4.43E-129	0.83535456	2.26E-134
GPA33	mRNA	-0.77847371	5.06E-105	0.748957241	4.97E-93
AGRP	mRNA	-0.73793648	5.66E-89	0.75824519	1.29E-96
LMO7	mRNA	-0.84515574	1.43E-140	0.859627402	1.47E-150
ADAMTS8	mRNA	-0.85245431	1.78E-145	0.857826079	2.95E-149
F8	mRNA	-0.80391931	5.95E-117	0.800723161	2.33E-115
SPTBN1	mRNA	-0.83378183	2.05E-133	0.818906487	7.81E-125
SOX17	mRNA	-0.77473362	2.11E-103	0.799954134	5.58E-115
FHL1	mRNA	-0.89526573	7.51E-181	0.89552737	4.12E-181
VWF	mRNA	-0.71351247	1.13E-80	0.725180328	1.58E-84
CACNA2D2	mRNA	-0.89185056	1.68E-177	0.90035947	4.56E-186
PTPN21	mRNA	-0.83312532	5.11E-133	0.855588453	1.16E-147
SPAAR	mRNA	-0.83822199	3.84E-136	0.841529503	3.15E-138
EMP2	mRNA	-0.82707425	1.92E-129	0.787975251	2.77E-109
GRK5	mRNA	-0.85935288	2.32E-150	0.890576866	2.79E-176
TNS2	mRNA	-0.86031905	4.58E-151	0.913255493	1.21E-200
TNS1	mRNA	-0.87020232	1.35E-158	0.894955852	1.53E-180
EFCC1	mRNA	-0.85312048	6.17E-146	0.862392627	1.35E-152
TNNC1	mRNA	-0.81125248	1.01E-120	0.813203772	9.45E-122
GIMAP8	mRNA	-0.83136984	5.75E-132	0.878878199	9.81E-166
PCDH12	mRNA	-0.72090813	4.29E-83	0.76279578	1.96E-98
SLC6A4	mRNA	-0.68108447	6.49E-71	0.689518695	2.50E-73
SNX25	mRNA	-0.83227764	1.65E-132	0.834698239	5.69E-134
LRP2BP	mRNA	-0.79593916	4.99E-113	0.818841879	8.48E-125
CD34	mRNA	-0.75367175	7.87E-95	0.771924574	3.32E-102
FXYD1	mRNA	-0.85388792	1.81E-146	0.866466838	1.12E-155
KANK2	mRNA	-0.8512214	1.25E-144	0.910654056	1.58E-197
CA4	mRNA	-0.86249768	1.13E-152	0.856411596	3.02E-148
VEPH1	mRNA	-0.8988412	1.75E-184	0.902087005	6.70E-188
HSPA12B	mRNA	-0.82295277	4.35E-127	0.854528153	6.44E-147
VEGFD	mRNA	-0.84112578	5.69E-138	0.876252478	1.62E-163
ASPA	mRNA	-0.88699747	6.24E-173	0.907687187	4.35E-194
SUSD2	mRNA	-0.84923073	2.81E-143	0.87509544	1.48E-162
A2M	mRNA	-0.86092688	1.64E-151	0.90461618	1.20E-190
VIPR1	mRNA	-0.74875558	5.92E-93	0.758432966	1.09E-96
DPYSL2	mRNA	-0.86333641	2.66E-153	0.897971116	1.38E-183
AOC3	mRNA	-0.87405566	1.06E-161	0.924656906	1.44E-215
PRKCE	mRNA	-0.78380049	2.20E-107	0.782094172	1.28E-106
SHE	mRNA	-0.86115413	1.11E-151	0.905309537	2.05E-191
ANKRD1	mRNA	-0.69115258	8.32E-74	0.701898041	5.01E-77



ANGPT4	mRNA	-0.79645347	2.82E-113	0.774386768	2.97E-103
TIE1	mRNA	-0.83700279	2.19E-135	0.896320811	6.57E-182
ADGRD1	mRNA	-0.8849715	4.38E-171	0.891203039	7.03E-177
CLDN18	mRNA	-0.89085743	1.50E-176	0.882136626	1.47E-168
TMEM100	mRNA	-0.73651317	1.83E-88	0.753874463	6.57E-95
CD93	mRNA	-0.81066523	2.06E-120	0.863158123	3.62E-153
STARD8	mRNA	-0.82309075	3.64E-127	0.891897653	1.51E-177
NLRC4	mRNA	-0.83460351	6.50E-134	0.866808063	6.09E-156
RSPO1	mRNA	-0.75171645	4.44E-94	0.76466013	3.44E-99
NOVA2	mRNA	-0.82695589	2.24E-129	0.865944723	2.81E-155
LRRC32	mRNA	-0.64454073	2.50E-61	0.688581938	4.68E-73
LPL	mRNA	-0.86163611	4.91E-152	0.881030108	1.37E-167
CEACAM8	mRNA	-0.53383021	5.54E-39	0.511401348	2.13E-35
C1QTNF7	mRNA	-0.85742211	5.74E-149	0.888439962	2.88E-174
KIF4A	mRNA	0.48536523	1.47E-31	-0.605360477	2.07E-52
TGFBR2	mRNA	-0.87918281	5.38E-166	0.935440248	4.99E-232
LIMS2	mRNA	-0.84294376	3.90E-139	0.869908256	2.31E-158
PREX2	mRNA	-0.80498578	1.72E-117	0.831375131	5.71E-132
CDC45	mRNA	0.476962925	2.18E-30	-0.613240117	4.19E-54
CXorf36	mRNA	-0.6664878	6.37E-67	0.699738165	2.28E-76
HECW2	mRNA	-0.76269302	2.16E-98	0.807915085	5.51E-119
FREM3	mRNA	-0.76327927	1.25E-98	0.723658429	5.16E-84
SCN7A	mRNA	-0.87221832	3.30E-160	0.892674673	2.67E-178
KIF23	mRNA	0.498108202	2.14E-33	-0.632825102	1.58E-58
SYNE1	mRNA	-0.86445437	3.82E-154	0.930140988	1.31E-223
ABCA8	mRNA	-0.88790985	8.95E-174	0.901711553	1.69E-187
ITGA8	mRNA	-0.84484817	2.27E-140	0.883148395	1.88E-169
CTXND1	mRNA	-0.81044485	2.69E-120	0.815408243	6.26E-123
AK1	mRNA	-0.82161574	2.45E-126	0.842627388	6.23E-139
JCAD	mRNA	-0.83330305	3.99E-133	0.872189393	3.48E-160
MYRF	mRNA	-0.81018029	3.69E-120	0.808851162	1.81E-119
HBA1	mRNA	-0.4877505	6.75E-32	0.480955092	6.11E-31
KIF2C	mRNA	0.450838506	5.98E-27	-0.52263251	3.69E-37
ALAS2	mRNA	-0.61359304	3.51E-54	0.57928975	3.94E-47
CD302	mRNA	-0.85749294	5.11E-149	0.904248315	3.04E-190
CENPA	mRNA	0.451532202	4.89E-27	-0.607428442	7.52E-53
ACOXL	mRNA	-0.85393638	1.67E-146	0.882153148	1.42E-168
PLK1	mRNA	0.452319531	3.89E-27	-0.572731274	7.09E-46
HBA2	mRNA	-0.64941159	1.57E-62	0.645676236	1.32E-61
FAM189A2	mRNA	-0.86664343	8.16E-156	0.869734446	3.17E-158
BCL6B	mRNA	-0.75570836	1.27E-95	0.79949603	9.36E-115
TPX2	mRNA	0.390018023	5.18E-20	-0.511062939	2.40E-35
RHOJ	mRNA	-0.81879805	8.96E-125	0.886195519	3.39E-172
RETN	mRNA	-0.74163513	2.60E-90	0.737728219	6.72E-89
EXO1	mRNA	0.438589694	1.95E-25	-0.576700001	1.24E-46
NCAPH	mRNA	0.458094307	7.10E-28	-0.603156939	6.04E-52
CCNB2	mRNA	0.457824519	7.69E-28	-0.596882049	1.22E-50
UBE2C	mRNA	0.40878854	5.28E-22	-0.498328544	1.98E-33
NEK2	mRNA	0.41735741	5.89E-23	-0.525264741	1.39E-37
TROAP	mRNA	0.429648434	2.27E-24	-0.574941668	2.70E-46
RAD54L	mRNA	0.448157612	1.30E-26	-0.55874604	2.72E-43
ARRB1	mRNA	-0.8282465	3.99E-130	0.887615488	1.68E-173
LIMCH1	mRNA	-0.85295372	8.05E-146	0.873334838	4.11E-161
KLF2	mRNA	-0.7536993	7.68E-95	0.824885793	3.48E-128
WFS1	mRNA	-0.78133965	2.76E-106	0.799519052	9.12E-115
GPR146	mRNA	-0.79414961	3.58E-112	0.804721592	2.35E-117

CAV3	mRNA	-0.77543681	1.05E-103	0.774852214	1.88E-103
HJURP	mRNA	0.419776983	3.14E-23	-0.553955418	1.95E-42
SNX30	mRNA	-0.78921665	7.41E-110	0.795385796	9.20E-113
FAM110D	mRNA	-0.72558049	1.16E-84	0.775711485	8.01E-104
TTK	mRNA	0.40348567	1.99E-21	-0.534848453	3.75E-39
AL096711.2	mRNA	-0.7950212	1.37E-112	0.79598731	4.73E-113
GPM6A	mRNA	-0.83860968	2.20E-136	0.825787164	1.06E-128
BUB1B	mRNA	0.465523488	7.59E-29	-0.602397801	8.73E-52
CDC20	mRNA	0.412865011	1.87E-22	-0.503219154	3.72E-34
FAM105A	mRNA	-0.81830709	1.67E-124	0.869206447	8.26E-158
CCM2L	mRNA	-0.81531345	7.04E-123	0.826599511	3.61E-129
PDK4	mRNA	-0.72070506	5.01E-83	0.741338332	3.33E-90
FZD4	mRNA	-0.76999221	2.16E-101	0.828878673	1.70E-130
ACE	mRNA	-0.78786152	3.13E-109	0.830770939	1.31E-131
KIF11	mRNA	0.4854624	1.43E-31	-0.616250316	9.18E-55
CD300LG	mRNA	-0.74905464	4.57E-93	0.75954413	3.94E-97
CGNL1	mRNA	-0.85971778	1.26E-150	0.898527245	3.70E-184
FRMD3	mRNA	-0.79368279	5.97E-112	0.814906114	1.17E-122
GYPE	mRNA	-0.79775086	6.65E-114	0.824318697	7.32E-128
GNG11	mRNA	-0.70972413	1.83E-79	0.754538574	3.63E-95
PHACTR1	mRNA	-0.83540725	2.10E-134	0.860097007	6.66E-151
CNTN6	mRNA	-0.88206638	1.69E-168	0.887417878	2.56E-173
DES	mRNA	-0.7203223	6.72E-83	0.701363394	7.30E-77
GPX3	mRNA	-0.77487834	1.83E-103	0.807008026	1.61E-118
ARHGAP31	mRNA	-0.84801795	1.83E-142	0.903018401	6.66E-189
SGMS2	mRNA	-0.62887426	1.31E-57	0.678265669	3.99E-70
CKAP2L	mRNA	0.442094867	7.29E-26	-0.576874064	1.15E-46
FBLN5	mRNA	-0.81130576	9.51E-121	0.879925393	1.24E-166
MYBL2	mRNA	0.399614056	5.15E-21	-0.489266106	4.10E-32
SLC1A1	mRNA	-0.82957752	6.62E-131	0.855149433	2.36E-147
GLDN	mRNA	-0.80046502	3.12E-115	0.80444047	3.25E-117
HBB	mRNA	-0.64268965	7.05E-61	0.627521896	2.68E-57
C20orf202	mRNA	-0.81623848	2.23E-123	0.803961952	5.66E-117
ERG	mRNA	-0.81477185	1.38E-122	0.838857788	1.54E-136
PRC1	mRNA	0.444655856	3.53E-26	-0.592221495	1.09E-49
TMEM88	mRNA	-0.75248178	2.26E-94	0.779097452	2.70E-105
CAVIN2	mRNA	-0.83039813	2.17E-131	0.823278975	2.85E-127
GP9	mRNA	-0.67146351	2.94E-68	0.652824074	2.19E-63
AHCYL2	mRNA	-0.7717053	4.10E-102	0.826033552	7.65E-129
IL3RA	mRNA	-0.75354315	8.82E-95	0.809728236	6.35E-120
GGTLC1	mRNA	-0.85647022	2.74E-148	0.851826326	4.82E-145
COX4I2	mRNA	-0.79707804	1.41E-113	0.827444357	1.17E-129
ADH1B	mRNA	-0.88785138	1.01E-173	0.890040288	9.01E-176
GDF10	mRNA	-0.85541486	1.53E-147	0.862482116	1.16E-152
DLGAP5	mRNA	0.439129544	1.68E-25	-0.547008115	3.23E-41
HSPB6	mRNA	-0.78772206	3.62E-109	0.807392511	1.02E-118
CALCRL	mRNA	-0.72432422	3.08E-84	0.733362682	2.38E-87
SLC46A2	mRNA	-0.88689203	7.80E-173	0.881359086	7.06E-168
BIRC5	mRNA	0.38471383	1.80E-19	-0.517295719	2.58E-36
RPS6KA2	mRNA	-0.82754794	1.02E-129	0.89135025	5.08E-177
GINS1	mRNA	0.414634308	1.19E-22	-0.546633261	3.75E-41
CDC6	mRNA	0.398514905	6.74E-21	-0.54755846	2.59E-41
OTC	mRNA	-0.72460446	2.48E-84	0.700209167	1.64E-76
KL	mRNA	-0.74775058	1.41E-92	0.788287635	1.99E-109
GNGT1	mRNA	0.368227072	7.45E-18	-0.479777083	8.91E-31
GTSE1	mRNA	0.43351513	7.92E-25	-0.564360823	2.58E-44

PDE1C	mRNA	-0.80319237	1.38E-116	0.822695649	6.08E-127
ORC6	mRNA	0.408856536	5.19E-22	-0.566065068	1.25E-44
CDC43	mRNA	0.40388186	1.80E-21	-0.550636327	7.53E-42
ARHGAP6	mRNA	-0.79533596	9.72E-113	0.841553473	3.04E-138
ENG	mRNA	-0.80164515	8.15E-116	0.894085764	1.11E-179
DRAM1	mRNA	-0.82221082	1.14E-126	0.883209288	1.66E-169
MRC1	mRNA	-0.84730616	5.45E-142	0.859093138	3.58E-150
SORBS1	mRNA	-0.81750245	4.59E-124	0.866429156	1.19E-155
PDLIM2	mRNA	-0.79817558	4.13E-114	0.844918765	2.04E-140
GLIPR2	mRNA	-0.81618681	2.38E-123	0.868225808	4.84E-157
ITLN2	mRNA	-0.75907979	6.02E-97	0.739872149	1.14E-89
ACKR4	mRNA	-0.76444932	4.19E-99	0.766723667	4.90E-100
DEPDC1	mRNA	0.399141211	5.78E-21	-0.489852089	3.38E-32
NCAPG	mRNA	0.455160265	1.69E-27	-0.555375823	1.09E-42
GUCY1A2	mRNA	-0.7750571	1.53E-103	0.813932173	3.87E-122
SKA3	mRNA	0.437323189	2.77E-25	-0.588176903	7.08E-49
OGN	mRNA	-0.55636596	7.27E-43	0.540707106	3.89E-40
ANLN	mRNA	0.394681984	1.70E-20	-0.482301046	3.97E-31
SLC9A3R2	mRNA	-0.74650131	4.15E-92	0.814721139	1.46E-122
BUB1	mRNA	0.468812068	2.77E-29	-0.595773694	2.06E-50
ADCY4	mRNA	-0.8015775	8.80E-116	0.860807761	2.01E-151
FGD5	mRNA	-0.82424808	8.03E-128	0.880870271	1.88E-167
CEP55	mRNA	0.398407714	6.92E-21	-0.522847843	3.40E-37
FAXDC2	mRNA	-0.70838294	4.84E-79	0.765156236	2.16E-99
CDC45	mRNA	0.340565243	2.42E-15	-0.484424706	2.00E-31
KIFC1	mRNA	0.442583696	6.35E-26	-0.555018822	1.26E-42
FOXF1	mRNA	-0.78740361	5.07E-109	0.80324205	1.30E-116
AURKA	mRNA	0.430496547	1.80E-24	-0.530895316	1.69E-38
CCNB1	mRNA	0.412397837	2.11E-22	-0.522621044	3.70E-37
MFAP4	mRNA	-0.85373967	2.29E-146	0.907841051	2.90E-194
ANGPTL1	mRNA	-0.73354043	2.06E-87	0.755885999	1.09E-95
MCM4	mRNA	0.45349024	2.76E-27	-0.580287922	2.53E-47
KIF18B	mRNA	0.395511872	1.40E-20	-0.541451365	2.91E-40
NMUR1	mRNA	-0.83089023	1.11E-131	0.841060151	6.26E-138
RASGRP4	mRNA	-0.83515622	2.99E-134	0.90315648	4.72E-189
KIF14	mRNA	0.409360371	4.57E-22	-0.528647717	3.94E-38
SLC51B	mRNA	-0.64485341	2.09E-61	0.670793065	4.47E-68
SELENBP1	mRNA	-0.86152802	5.90E-152	0.900235263	6.17E-186
PGM5	mRNA	-0.79523157	1.09E-112	0.800881395	1.95E-115
AURKB	mRNA	0.393810367	2.10E-20	-0.532390144	9.59E-39
SHROOM4	mRNA	-0.84206744	1.43E-138	0.889877901	1.28E-175
DOCK4	mRNA	-0.79652517	2.61E-113	0.850964605	1.88E-144
OVCH1	mRNA	-0.68426909	8.13E-72	0.680092258	1.23E-70
GKN2	mRNA	-0.91373036	3.18E-201	0.888447681	2.83E-174
PKHD1L1	mRNA	-0.55115959	6.09E-42	0.525827322	1.13E-37
ATOH8	mRNA	-0.82499666	3.01E-128	0.866117223	2.07E-155
FAM162B	mRNA	-0.74155619	2.78E-90	0.75564421	1.35E-95
LRRN3	mRNA	-0.74913116	4.27E-93	0.774491184	2.68E-103
NUF2	mRNA	0.362546751	2.56E-17	-0.491302272	2.09E-32
POLQ	mRNA	0.397645534	8.32E-21	-0.533371316	6.60E-39
NUSAP1	mRNA	0.437224976	2.85E-25	-0.55952036	1.97E-43
SKA1	mRNA	0.403169254	2.15E-21	-0.530689436	1.83E-38
ABI3BP	mRNA	-0.8447965	2.45E-140	0.887922501	8.71E-174
CLDN5	mRNA	-0.74440477	2.50E-91	0.767005976	3.75E-100
NOTCH4	mRNA	-0.73784516	6.10E-89	0.781757675	1.80E-106
TFAP2A	mRNA	0.343470416	1.35E-15	-0.379239958	6.34E-19

CFD	mRNA	-0.77729677	1.65E-104	0.788549969	1.51E-109
CDC48	mRNA	0.211670789	1.38E-06	-0.260667255	2.21E-09
PLA2G1B	mRNA	-0.80960472	7.37E-120	0.828199473	4.25E-130
INMT-MINDY4	mRNA	-0.68187484	3.88E-71	0.71244132	2.49E-80
RAD51	mRNA	0.429257739	2.52E-24	-0.585429232	2.49E-48
SEC14L6	mRNA	-0.83334806	3.75E-133	0.865468767	6.48E-155
STIL	mRNA	0.439439904	1.54E-25	-0.524222842	2.05E-37
CHEK1	mRNA	0.455885259	1.37E-27	-0.558997175	2.45E-43
SLC5A9	mRNA	-0.67415836	5.43E-69	0.693700733	1.48E-74
APLN	mRNA	-0.4077258	6.90E-22	0.389955012	5.26E-20
MCM10	mRNA	0.406213494	1.01E-21	-0.525596233	1.23E-37
FOXM1	mRNA	0.380177801	5.12E-19	-0.503065356	3.92E-34
CAT	mRNA	-0.79251468	2.13E-111	0.785147737	5.41E-108
SPN	mRNA	-0.83185162	2.97E-132	0.877215516	2.52E-164
GADD45B	mRNA	-0.64212183	9.68E-61	0.723231417	7.19E-84
SGO1	mRNA	0.430169061	1.97E-24	-0.557988362	3.72E-43
SVEP1	mRNA	-0.78867811	1.31E-109	0.828714706	2.13E-130
CCNA2	mRNA	0.396296663	1.15E-20	-0.521543188	5.50E-37
SMAD6	mRNA	-0.72711322	3.48E-85	0.74919399	4.04E-93
AUNIP	mRNA	0.387872966	8.59E-20	-0.508510508	5.90E-35
ORC1	mRNA	0.421501906	1.99E-23	-0.536616939	1.90E-39
LRRK2	mRNA	-0.81303012	1.17E-121	0.849221229	2.85E-143
ASPM	mRNA	0.393301901	2.37E-20	-0.516727514	3.17E-36
GPBAR1	mRNA	-0.76438487	4.45E-99	0.802735884	2.33E-116
KDR	mRNA	-0.72366261	5.15E-84	0.780092202	9.85E-106
F11	mRNA	-0.87857571	1.78E-165	0.871506102	1.23E-159
PKMYT1	mRNA	0.395951314	1.25E-20	-0.499546646	1.31E-33
CDT1	mRNA	0.410973981	3.04E-22	-0.541396672	2.97E-40
UBE2T	mRNA	0.360186697	4.24E-17	-0.483039613	3.13E-31
ZWINT	mRNA	0.426053001	5.96E-24	-0.517660704	2.26E-36
MMP24	mRNA	-0.7419717	1.96E-90	0.771498465	5.02E-102
PRAM1	mRNA	-0.75389724	6.44E-95	0.809106458	1.34E-119
ALDH3B1	mRNA	-0.72651351	5.58E-85	0.766498854	6.07E-100
LRRN4	mRNA	-0.79447616	2.50E-112	0.826558166	3.81E-129
DENND2A	mRNA	-0.78855527	1.50E-109	0.827842908	6.86E-130
KIAA0408	mRNA	-0.74003034	9.95E-90	0.749224032	3.94E-93
CENPF	mRNA	0.403141735	2.16E-21	-0.527564131	5.92E-38
TICRR	mRNA	0.3703829	4.63E-18	-0.527224385	6.72E-38
ARHGAP44	mRNA	-0.83165702	3.88E-132	0.859038318	3.93E-150
UHRF1	mRNA	0.398172279	7.32E-21	-0.486471963	1.03E-31
KNL1	mRNA	0.450708691	6.21E-27	-0.58402229	4.71E-48
CASS4	mRNA	-0.78399659	1.79E-107	0.869878549	2.44E-158
ESPL1	mRNA	0.431077662	1.54E-24	-0.548858424	1.54E-41
SCARF1	mRNA	-0.77673198	2.90E-104	0.879484418	2.97E-166
GRIA1	mRNA	-0.76191364	4.44E-98	0.776815254	2.67E-104
ADGRE5	mRNA	-0.77506011	1.53E-103	0.850403652	4.52E-144
FMO5	mRNA	-0.73710526	1.12E-88	0.789468209	5.66E-110
LEPR	mRNA	-0.66484572	1.73E-66	0.678750154	2.93E-70
TNFSF13	mRNA	-0.7954957	8.15E-113	0.858721933	6.66E-150
FAM83B	mRNA	0.324097435	5.82E-14	-0.447388424	1.62E-26
CENPI	mRNA	0.377362094	9.71E-19	-0.496382948	3.83E-33
KIF20A	mRNA	0.431738791	1.29E-24	-0.531503372	1.34E-38
MELK	mRNA	0.32641366	3.76E-14	-0.425216787	7.46E-24
RASL12	mRNA	-0.76887138	6.33E-101	0.844688432	2.88E-140
CAV1	mRNA	-0.78960012	4.92E-110	0.798237907	3.85E-114
CLEC4M	mRNA	-0.4358626	4.15E-25	0.398242418	7.20E-21

CDCA2	mRNA	0.41179288	2.46E-22	-0.525769905	1.15E-37
DPEP2	mRNA	-0.80133986	1.15E-115	0.883228986	1.59E-169
KCNT2	mRNA	-0.74189051	2.10E-90	0.757773379	1.98E-96
SASH1	mRNA	-0.76990864	2.34E-101	0.793732585	5.65E-112
TEDC2	mRNA	0.397254123	9.15E-21	-0.514821678	6.28E-36
CDC25C	mRNA	0.375408467	1.51E-18	-0.46289562	1.68E-28
NDC80	mRNA	0.37808448	8.24E-19	-0.474758771	4.36E-30
MCM2	mRNA	0.39657289	1.08E-20	-0.503344938	3.56E-34
MT1M	mRNA	-0.45469771	1.94E-27	0.473666565	6.15E-30
SCARA5	mRNA	-0.61174399	8.87E-54	0.573135933	5.94E-46
CCL23	mRNA	-0.75914898	5.65E-97	0.792758958	1.63E-111
CX3CR1	mRNA	-0.74921624	3.97E-93	0.783612364	2.67E-107
MYRIP	mRNA	-0.63767809	1.13E-59	0.638779184	6.17E-60
HYAL1	mRNA	-0.84680911	1.17E-141	0.832919355	6.79E-133
CDK1	mRNA	0.399263628	5.61E-21	-0.510259849	3.19E-35
STX11	mRNA	-0.80807249	4.57E-119	0.826272289	5.57E-129
FLT4	mRNA	-0.75781354	1.91E-96	0.829994765	3.76E-131
TOP2A	mRNA	0.356254998	9.76E-17	-0.470367618	1.72E-29
APOLD1	mRNA	-0.59989074	2.91E-51	0.615776416	1.17E-54
GGTLC2	mRNA	-0.70825989	5.29E-79	0.715380506	2.81E-81
ARHGAP11A	mRNA	0.432568331	1.03E-24	-0.565427794	1.64E-44
E2F7	mRNA	0.353754739	1.65E-16	-0.485026651	1.64E-31
PTTG1	mRNA	0.393236962	2.41E-20	-0.513090335	1.17E-35
DEPDC1B	mRNA	0.350541753	3.21E-16	-0.465087956	8.67E-29
WISP2	mRNA	-0.7003683	1.47E-76	0.729314385	6.11E-86
MMRN1	mRNA	-0.75524342	1.93E-95	0.749831597	2.32E-93
CD55	mRNA	-0.70392123	1.19E-77	0.74253638	1.22E-90
XRCC2	mRNA	0.402737146	2.39E-21	-0.557871115	3.90E-43
CYP4B1	mRNA	-0.84865422	6.86E-143	0.864288649	5.10E-154
FANCI	mRNA	0.422641065	1.48E-23	-0.568558361	4.31E-45
CXCL2	mRNA	-0.55596127	8.58E-43	0.604384082	3.33E-52
OSCAR	mRNA	-0.77474242	2.09E-103	0.829930839	4.10E-131
NDNF	mRNA	-0.80868214	2.22E-119	0.83866891	2.02E-136
COL4A3	mRNA	-0.80054655	2.85E-115	0.84465981	3.01E-140
MARCO	mRNA	-0.79792036	5.50E-114	0.814125455	3.05E-122
DLL4	mRNA	-0.60341689	5.33E-52	0.65901593	5.77E-65
SLC2A1	mRNA	0.306503675	1.41E-12	-0.412329296	2.15E-22
CYBRD1	mRNA	-0.78046723	6.73E-106	0.805712647	7.38E-118
C17orf53	mRNA	0.412776867	1.92E-22	-0.5784547	5.72E-47
MAD2L1	mRNA	0.366299377	1.14E-17	-0.471577845	1.18E-29
RBP2	mRNA	-0.59461328	3.56E-50	0.615603899	1.27E-54
UTRN	mRNA	-0.77101023	8.06E-102	0.795943002	4.97E-113
SFTPC	mRNA	-0.88918817	5.73E-175	0.863867164	1.06E-153
CD101	mRNA	-0.66690453	4.93E-67	0.666554084	6.12E-67
AKAP2	mRNA	-0.73108811	1.48E-86	0.795901775	5.20E-113
FOSB	mRNA	-0.54455048	8.58E-41	0.58297869	7.55E-48
FO681492.1	mRNA	-0.80045433	3.16E-115	0.836754117	3.12E-135
TAL1	mRNA	-0.72827609	1.39E-85	0.743517723	5.30E-91
PTPRM	mRNA	-0.79016995	2.67E-110	0.864108182	6.98E-154
RACGAP1	mRNA	0.461141867	2.86E-28	-0.577142672	1.02E-46
MMRN2	mRNA	-0.70911192	2.85E-79	0.75828163	1.25E-96
GIMAP1	mRNA	-0.78878139	1.18E-109	0.882626357	5.44E-169
SIRPB1	mRNA	-0.74122216	3.67E-90	0.771129814	7.18E-102
ERCC6L	mRNA	0.288710578	2.88E-11	-0.395066272	1.55E-20
RRM2	mRNA	0.378337849	7.78E-19	-0.493278273	1.08E-32
TMEM204	mRNA	-0.71764137	5.14E-82	0.784810566	7.69E-108

SPC24	mRNA	0.388068268	8.21E-20	-0.542872752	1.66E-40
CCNF	mRNA	0.42800229	3.54E-24	-0.489595974	3.68E-32
HMGA1	mRNA	0.416963012	6.53E-23	-0.525578354	1.24E-37
CCDC85A	mRNA	-0.79565291	6.85E-113	0.79872794	2.22E-114
PKNOX2	mRNA	-0.78448585	1.08E-107	0.832440274	1.32E-132
SPAG5	mRNA	0.401542229	3.21E-21	-0.544021143	1.06E-40
TRIP13	mRNA	0.373076973	2.55E-18	-0.463275257	1.50E-28
ZBTB16	mRNA	-0.65058477	8.00E-63	0.67034336	5.91E-68
AATK	mRNA	-0.62521844	9.01E-57	0.65818719	9.44E-65
HELLS	mRNA	0.380469925	4.79E-19	-0.497569939	2.56E-33
GIMAP6	mRNA	-0.80657391	2.69E-118	0.88781264	1.10E-173
GPR4	mRNA	-0.61345126	3.77E-54	0.673916085	6.33E-69
TK1	mRNA	0.392428821	2.92E-20	-0.529419222	2.95E-38
CCDC141	mRNA	-0.65997703	3.26E-65	0.673678185	7.35E-69
OIP5	mRNA	0.39611163	1.21E-20	-0.539351942	6.60E-40
SLIT3	mRNA	-0.8116454	6.30E-121	0.86556754	5.45E-155
ADRB1	mRNA	-0.66212568	8.98E-66	0.662058516	9.35E-66
MND1	mRNA	0.384310599	1.97E-19	-0.515718201	4.56E-36
RAI2	mRNA	-0.80197362	5.59E-116	0.864242873	5.53E-154
CIP2A	mRNA	0.407638302	7.05E-22	-0.518094683	1.93E-36
ATP1A2	mRNA	-0.71149335	5.00E-80	0.722323123	1.45E-83
PRR11	mRNA	0.420469368	2.62E-23	-0.498363195	1.96E-33
KIF15	mRNA	0.417513677	5.66E-23	-0.537889217	1.16E-39
BRIP1	mRNA	0.393042602	2.52E-20	-0.523149729	3.05E-37
NCKAP5	mRNA	-0.79455372	2.30E-112	0.791330989	7.67E-111
FGFR4	mRNA	-0.73474503	7.75E-88	0.719627815	1.14E-82
TRPV2	mRNA	-0.78699755	7.79E-109	0.879746009	1.77E-166
HPGDS	mRNA	-0.79390314	4.69E-112	0.848859119	5.00E-143
STARD9	mRNA	-0.7683173	1.08E-100	0.80293895	1.85E-116
RECQL4	mRNA	0.347976214	5.43E-16	-0.443652207	4.70E-26
EME1	mRNA	0.376850512	1.09E-18	-0.534578489	4.16E-39
FBP1	mRNA	-0.76128922	7.92E-98	0.804363353	3.56E-117
C1orf162	mRNA	-0.78229963	1.03E-106	0.881309	7.81E-168
STARD13	mRNA	-0.75044104	1.36E-93	0.833495548	3.05E-133
ADGRL4	mRNA	-0.64640667	8.70E-62	0.69642335	2.28E-75
C1orf116	mRNA	-0.80130603	1.20E-115	0.806936411	1.75E-118
CYYR1	mRNA	-0.75812499	1.44E-96	0.804263184	3.99E-117
CHRM2	mRNA	-0.63502957	4.80E-59	0.643967837	3.44E-61
TBX4	mRNA	-0.77111456	7.28E-102	0.775289877	1.22E-103
ZNF366	mRNA	-0.76958336	3.20E-101	0.834850987	4.59E-134
ALOX5AP	mRNA	-0.77606591	5.63E-104	0.846787754	1.20E-141
PIMREG	mRNA	0.347850932	5.57E-16	-0.455332435	1.61E-27
IQGAP3	mRNA	0.332507038	1.18E-14	-0.427741464	3.79E-24
FFAR4	mRNA	-0.7447859	1.80E-91	0.744328995	2.66E-91
DISP1	mRNA	-0.65968425	3.88E-65	0.681999248	3.58E-71
MS4A7	mRNA	-0.77720015	1.82E-104	0.851977167	3.80E-145
MYOCD	mRNA	-0.73478273	7.52E-88	0.749942182	2.11E-93
TNR	mRNA	-0.53207298	1.08E-38	0.546783637	3.53E-41
CD52	mRNA	-0.70321672	1.97E-77	0.763573022	9.50E-99
ABCA9	mRNA	-0.76978018	2.64E-101	0.818433901	1.42E-124
SOD3	mRNA	-0.76418557	5.36E-99	0.84840843	1.00E-142
FPR2	mRNA	-0.64142411	1.43E-60	0.662041327	9.45E-66
CDC25A	mRNA	0.415017541	1.08E-22	-0.577390963	9.17E-47
TMEM125	mRNA	-0.82410717	9.66E-128	0.875200888	1.21E-162
ABCA3	mRNA	-0.82303609	3.90E-127	0.867157109	3.27E-156
LHFPL6	mRNA	-0.76662866	5.37E-100	0.845922963	4.48E-141

FCN1	mRNA	-0.74722741	2.22E-92	0.789082001	8.55E-110
DEPP1	mRNA	-0.57360317	4.85E-46	0.642888637	6.31E-61
RNASE1	mRNA	-0.79449018	2.46E-112	0.849501685	1.85E-143
MAMDC2	mRNA	-0.66884035	1.50E-67	0.68720608	1.17E-72
SPC25	mRNA	0.388516445	7.39E-20	-0.525836099	1.13E-37
CITED2	mRNA	-0.69052439	1.27E-73	0.762814873	1.93E-98
ACADL	mRNA	-0.82719561	1.63E-129	0.825366089	1.85E-128
PBK	mRNA	0.358942288	5.53E-17	-0.488043129	6.13E-32
CENPE	mRNA	0.400118164	4.55E-21	-0.519249647	1.27E-36
KHDRBS2	mRNA	-0.80995873	4.82E-120	0.822131876	1.26E-126
RNASE4	mRNA	-0.74428099	2.77E-91	0.809102749	1.34E-119
ASF1B	mRNA	0.372895128	2.65E-18	-0.490258779	2.96E-32
LONRF3	mRNA	-0.74323217	6.75E-91	0.814441866	2.07E-122
PLK4	mRNA	0.416170904	8.01E-23	-0.525056665	1.51E-37
AL163636.2	mRNA	-0.76821703	1.18E-100	0.820147254	1.61E-125
DENND3	mRNA	-0.64518708	1.73E-61	0.704479043	8.02E-78
CFP	mRNA	-0.70981898	1.70E-79	0.763900451	7.00E-99
MKI67	mRNA	0.405332309	1.26E-21	-0.48438052	2.03E-31
KPNA2	mRNA	0.421623592	1.93E-23	-0.560110524	1.54E-43
SPRY4	mRNA	-0.66677331	5.35E-67	0.704106317	1.05E-77
NR5A2	mRNA	-0.59585489	1.98E-50	0.636813752	1.81E-59
FABP3	mRNA	-0.44675814	1.94E-26	0.466376706	5.85E-29
TIMELESS	mRNA	0.440638546	1.10E-25	-0.583620078	5.65E-48
RFC4	mRNA	0.344760663	1.04E-15	-0.50020239	1.05E-33
PDE2A	mRNA	-0.65790679	1.11E-64	0.676277669	1.42E-69
RAD51AP1	mRNA	0.372025502	3.22E-18	-0.485008928	1.65E-31
ITGA1	mRNA	-0.72397589	4.04E-84	0.812552385	2.09E-121
SHC3	mRNA	-0.75888124	7.21E-97	0.782067892	1.31E-106
CELF2	mRNA	-0.79378435	5.34E-112	0.890802925	1.70E-176
CCL14	mRNA	-0.73827874	4.26E-89	0.767898256	1.61E-100
CAPN9	mRNA	-0.73297524	3.26E-87	0.756705064	5.19E-96
CHRDL1	mRNA	-0.84196317	1.66E-138	0.863384502	2.45E-153
LAMP3	mRNA	-0.69426591	1.00E-74	0.686817141	1.51E-72
MAP1LC3C	mRNA	-0.76784308	1.69E-100	0.824847379	3.66E-128
NECTIN1	mRNA	0.366659586	1.05E-17	-0.480802297	6.42E-31
RHOBTB2	mRNA	-0.7235112	5.79E-84	0.818347399	1.58E-124
WDHD1	mRNA	0.418312326	4.60E-23	-0.552229569	3.95E-42
ALOX5	mRNA	-0.75510854	2.18E-95	0.835339481	2.31E-134
LMOD1	mRNA	-0.71821613	3.33E-82	0.770436768	1.40E-101
TMEM252	mRNA	-0.78602859	2.16E-108	0.791865124	4.31E-111
AOX1	mRNA	-0.57677715	1.20E-46	0.575335319	2.27E-46
RBMS3	mRNA	-0.76265034	2.24E-98	0.792944517	1.33E-111
DAPK2	mRNA	-0.72152239	2.68E-83	0.738918104	2.51E-89
GATA6	mRNA	-0.75534548	1.76E-95	0.832854671	7.43E-133
ANGPTL5	mRNA	-0.73554662	4.03E-88	0.749818572	2.35E-93
ESCO2	mRNA	0.372006384	3.23E-18	-0.481611634	4.95E-31
ICAM2	mRNA	-0.75998229	2.63E-97	0.850739436	2.67E-144
AFF3	mRNA	-0.76618025	8.21E-100	0.81456402	1.78E-122
CD300C	mRNA	-0.75560337	1.40E-95	0.823907634	1.25E-127
BTNL8	mRNA	-0.69363158	1.55E-74	0.700205693	1.65E-76
PEAR1	mRNA	-0.6768332	9.97E-70	0.709995444	1.50E-79
FEN1	mRNA	0.424176145	9.83E-24	-0.55871138	2.76E-43
RXRG	mRNA	-0.74776903	1.39E-92	0.753264619	1.13E-94
SCUBE1	mRNA	-0.50072312	8.76E-34	0.499155094	1.50E-33
FRY	mRNA	-0.7907671	1.41E-110	0.797442199	9.39E-114
LMOD3	mRNA	-0.64141443	1.44E-60	0.695369966	4.71E-75

C12orf56	mRNA	0.302176352	3.00E-12	-0.421247702	2.13E-23
COL6A6	mRNA	-0.79393435	4.53E-112	0.843298618	2.30E-139
KLF6	mRNA	-0.67611332	1.58E-69	0.744938769	1.58E-91
EZH2	mRNA	0.356770269	8.76E-17	-0.485901404	1.24E-31
SLC11A1	mRNA	-0.68200219	3.58E-71	0.764563805	3.76E-99
LOXHD1	mRNA	-0.52681047	7.84E-38	0.524263749	2.02E-37
CCDC69	mRNA	-0.77122121	6.57E-102	0.88961963	2.25E-175
MS4A15	mRNA	-0.6743136	4.93E-69	0.707159212	1.17E-78
CDC4A	mRNA	0.357756322	7.11E-17	-0.488173021	5.88E-32
LDB3	mRNA	-0.64513276	1.79E-61	0.635083832	4.66E-59
TDRD10	mRNA	-0.71915876	1.63E-82	0.768861224	6.39E-101
SERPINB5	mRNA	0.303958551	2.20E-12	-0.398388483	6.95E-21
CPAMD8	mRNA	-0.71858278	2.52E-82	0.76683033	4.43E-100
FILIP1	mRNA	-0.64254291	7.65E-61	0.669359484	1.09E-67
ECT2	mRNA	0.368531407	6.97E-18	-0.527460128	6.15E-38
C1QTNF2	mRNA	-0.75237057	2.49E-94	0.787426463	4.95E-109
AQP1	mRNA	-0.50408995	2.75E-34	0.57662496	1.29E-46
ERICH4	mRNA	-0.69173868	5.60E-74	0.708428385	4.69E-79
KCNK3	mRNA	-0.74899209	4.82E-93	0.76796007	1.51E-100
FAM13C	mRNA	-0.76689926	4.15E-100	0.815073	9.48E-123
ATAD2	mRNA	0.424282229	9.56E-24	-0.516280934	3.72E-36
FGR	mRNA	-0.74716879	2.34E-92	0.839114139	1.06E-136
COLEC12	mRNA	-0.80487608	1.96E-117	0.882076322	1.66E-168
TRAIP	mRNA	0.424828333	8.27E-24	-0.569399464	3.00E-45
GPR87	mRNA	0.293811607	1.24E-11	-0.337065641	4.83E-15
SAPCD2	mRNA	0.279362083	1.29E-10	-0.418014503	4.97E-23
RXFP2	mRNA	-0.715197	3.22E-81	0.711795337	4.00E-80
HSPB7	mRNA	-0.75577986	1.19E-95	0.792018759	3.65E-111
GCOM1	mRNA	-0.70095772	9.71E-77	0.744756199	1.85E-91
FLI1	mRNA	-0.76080282	1.24E-97	0.874573515	3.98E-162
BLM	mRNA	0.397685947	8.24E-21	-0.532297774	9.93E-39
ITGA10	mRNA	-0.69572135	3.70E-75	0.758834319	7.53E-97
PGR	mRNA	-0.75398229	5.97E-95	0.809495551	8.39E-120
CENPM	mRNA	0.380137745	5.16E-19	-0.532479012	9.27E-39
AC008763.3	mRNA	-0.67102517	3.87E-68	0.670050255	7.09E-68
PSAT1	mRNA	0.294911586	1.03E-11	-0.455432642	1.56E-27
RASGRF1	mRNA	-0.76277257	2.00E-98	0.802843445	2.06E-116
UBE2S	mRNA	0.327813585	2.89E-14	-0.431544207	1.36E-24
ADARB1	mRNA	-0.72761845	2.34E-85	0.785170822	5.29E-108
SYNDIG1L	mRNA	-0.58266983	8.67E-48	0.617270292	5.47E-55
SMCO3	mRNA	-0.65679316	2.15E-64	0.706896122	1.42E-78
GPR17	mRNA	-0.67477972	3.67E-69	0.680570866	9.05E-71
DUSP1	mRNA	-0.69543845	4.50E-75	0.757687028	2.14E-96
KLF9	mRNA	-0.70762396	8.39E-79	0.768176402	1.23E-100
ANGPTL7	mRNA	-0.63915092	5.03E-60	0.646354175	8.97E-62
KNTC1	mRNA	0.414811748	1.14E-22	-0.510841377	2.59E-35
WFDC1	mRNA	-0.75343058	9.75E-95	0.784315157	1.29E-107
MYADM	mRNA	-0.63114091	3.91E-58	0.6975707	1.03E-75
GIMAP7	mRNA	-0.74798753	1.15E-92	0.840660202	1.12E-137
NR4A1	mRNA	-0.60154776	1.31E-51	0.623771206	1.92E-56
F2RL3	mRNA	-0.50826902	6.42E-35	0.563413831	3.85E-44
C5AR1	mRNA	-0.68637987	2.02E-72	0.780252398	8.37E-106
GABRA3	mRNA	0.256828134	3.85E-09	-0.324686209	5.21E-14
PCLAF	mRNA	0.333549508	9.60E-15	-0.433190339	8.65E-25
JAML	mRNA	-0.75636084	7.08E-96	0.859099685	3.55E-150
CCRL2	mRNA	-0.75977365	3.19E-97	0.86043464	3.77E-151



MSR1	mRNA	-0.76984662	2.48E-101	0.820829793	6.74E-126
B4GALNT4	mRNA	0.289903496	2.37E-11	-0.378876299	6.89E-19
CDKN3	mRNA	0.333097562	1.05E-14	-0.456935446	1.00E-27
SHCBP1	mRNA	0.404858539	1.41E-21	-0.4896947	3.56E-32
FMO2	mRNA	-0.71503694	3.63E-81	0.730813857	1.85E-86
SELP	mRNA	-0.71050108	1.04E-79	0.779987584	1.10E-105
SPOCK2	mRNA	-0.60236195	8.88E-52	0.645033286	1.89E-61
MTBP	mRNA	0.418169268	4.77E-23	-0.549859652	1.03E-41
DOK2	mRNA	-0.75740816	2.75E-96	0.836096125	7.94E-135
TSPAN12	mRNA	-0.75184074	3.98E-94	0.775270744	1.24E-103
S100A4	mRNA	-0.64448103	2.58E-61	0.673166731	1.01E-68
VSIG4	mRNA	-0.75921443	5.32E-97	0.808753705	2.04E-119
DTL	mRNA	0.396007863	1.24E-20	-0.543047902	1.55E-40
OLR1	mRNA	-0.63368307	9.96E-59	0.693094953	2.23E-74
ATP11A	mRNA	-0.64649606	8.27E-62	0.710900259	7.73E-80
PRND	mRNA	-0.29248211	1.55E-11	0.278141772	1.57E-10
TMEM132A	mRNA	0.331046797	1.56E-14	-0.371296939	3.78E-18
DSP	mRNA	0.325814483	4.21E-14	-0.397478009	8.67E-21
PLA1A	mRNA	-0.61080899	1.41E-53	0.658985202	5.88E-65
ESYT3	mRNA	-0.76328849	1.24E-98	0.788990915	9.42E-110
CST5	mRNA	-0.66544707	1.20E-66	0.65807431	1.01E-64
ZEB2	mRNA	-0.76904642	5.35E-101	0.876300998	1.47E-163
CASQ2	mRNA	-0.6333406	1.20E-58	0.662553967	6.94E-66
FLVCR2	mRNA	-0.7367363	1.52E-88	0.794867963	1.63E-112
NEIL3	mRNA	0.291978392	1.68E-11	-0.358210561	6.46E-17
CYB5A	mRNA	-0.6687066	1.63E-67	0.710023121	1.47E-79
E2F8	mRNA	0.348902932	4.49E-16	-0.385935485	1.35E-19
C1orf112	mRNA	0.393813527	2.10E-20	-0.479277056	1.04E-30
FERMT1	mRNA	0.322711211	7.54E-14	-0.377307521	9.83E-19
C10orf128	mRNA	-0.75955432	3.90E-97	0.867212837	2.96E-156
RAD54B	mRNA	0.39012925	5.05E-20	-0.514191997	7.87E-36
PEBP4	mRNA	-0.82062711	8.73E-126	0.844555916	3.52E-140
PERP	mRNA	0.32613169	3.97E-14	-0.425847405	6.30E-24
CSF3	mRNA	-0.47369095	6.10E-30	0.480763235	6.50E-31
CD83	mRNA	-0.56679685	9.16E-45	0.611220968	1.15E-53
NR4A3	mRNA	-0.53092273	1.67E-38	0.584320988	4.11E-48
SLIT2	mRNA	-0.72661068	5.17E-85	0.747785387	1.37E-92
ROR1	mRNA	-0.75286307	1.61E-94	0.829615086	6.29E-131
PTCRA	mRNA	-0.75608849	9.05E-96	0.796886901	1.74E-113
CENPH	mRNA	0.389330013	6.10E-20	-0.527722959	5.57E-38
DAAM2	mRNA	-0.7623355	3.01E-98	0.828773341	1.96E-130
TM4SF18	mRNA	-0.58903306	4.77E-49	0.617580256	4.67E-55
PARPBP	mRNA	0.351460439	2.65E-16	-0.475359843	3.61E-30
IQSEC3	mRNA	-0.62647887	4.65E-57	0.704023642	1.11E-77
DSCC1	mRNA	0.379229687	6.35E-19	-0.51494851	6.01E-36
DQX1	mRNA	0.285580214	4.79E-11	-0.382654354	2.90E-19
CENPU	mRNA	0.351586741	2.59E-16	-0.432156455	1.15E-24
GPRC5A	mRNA	-0.76975867	2.70E-101	0.815499702	5.59E-123
IGSF9	mRNA	0.276646414	1.98E-10	-0.371534856	3.59E-18
PF4	mRNA	-0.50191817	5.82E-34	0.504278971	2.58E-34
FAM83D	mRNA	0.323330699	6.72E-14	-0.471396656	1.25E-29
SYT15	mRNA	-0.73503074	6.14E-88	0.797967102	5.22E-114
ADRB2	mRNA	-0.73525015	5.14E-88	0.755760864	1.22E-95
ALDH2	mRNA	-0.71274852	1.98E-80	0.767488184	2.37E-100
GPR182	mRNA	-0.50744074	8.58E-35	0.515703438	4.58E-36
ZNF385B	mRNA	-0.78748716	4.64E-109	0.828086092	4.95E-130

GRAMD2A	mRNA	-0.61052239	1.63E-53	0.638521525	7.11E-60
4-Sep	mRNA	-0.66414809	2.65E-66	0.717651283	5.10E-82
FANCB	mRNA	0.38104348	4.20E-19	-0.528640852	3.95E-38
CPED1	mRNA	-0.69511412	5.62E-75	0.739987277	1.03E-89
SHMT2	mRNA	0.412572384	2.02E-22	-0.528421863	4.29E-38
AQP4	mRNA	-0.88378525	5.08E-170	0.91055025	2.09E-197
ALDH1A2	mRNA	-0.52261	3.72E-37	0.524034978	2.20E-37
DEFA3	mRNA	-0.30675327	1.35E-12	0.307728745	1.14E-12
C19orf48	mRNA	0.391217569	3.90E-20	-0.493533594	9.96E-33
SPNS2	mRNA	-0.68859107	4.65E-73	0.735179645	5.44E-88
CHAF1B	mRNA	0.377053587	1.04E-18	-0.487418807	7.53E-32
IQANK1	mRNA	0.370033493	5.00E-18	-0.502997864	4.01E-34
E2F2	mRNA	0.372991474	2.59E-18	-0.444114271	4.12E-26
HOXC13	mRNA	0.228783445	1.71E-07	-0.239407623	4.29E-08
ADGRE3	mRNA	-0.67501456	3.16E-69	0.712000261	3.44E-80
ST6GALNAC5	mRNA	-0.70791714	6.79E-79	0.774654952	2.28E-103
NCAPG2	mRNA	0.404824184	1.43E-21	-0.520717538	7.44E-37
NECAB1	mRNA	-0.62524869	8.87E-57	0.661368835	1.42E-65
RGS5	mRNA	-0.69338597	1.83E-74	0.765440947	1.65E-99
FOLR1	mRNA	-0.82799662	5.58E-130	0.865502094	6.12E-155
ECE2	mRNA	0.288491732	2.98E-11	-0.422891647	1.38E-23
SH3BP5	mRNA	-0.71190775	3.69E-80	0.790686881	1.53E-110
RND1	mRNA	-0.51631171	3.68E-36	0.578545027	5.49E-47
SGCA	mRNA	-0.7514226	5.75E-94	0.800357374	3.53E-115
TSPAN4	mRNA	-0.67605193	1.64E-69	0.785897188	2.47E-108
CBLC	mRNA	0.340067518	2.67E-15	-0.398107693	7.44E-21
CCDC68	mRNA	-0.78847802	1.63E-109	0.844568504	3.45E-140
DUSP9	mRNA	0.204705455	3.08E-06	-0.273259878	3.34E-10
PDE1B	mRNA	-0.72332077	6.71E-84	0.834304197	9.88E-134
FAM124B	mRNA	-0.6475715	4.49E-62	0.682752547	2.19E-71
TMEM236	mRNA	-0.69245451	3.45E-74	0.742685146	1.07E-90
CHEK2	mRNA	0.390569012	4.55E-20	-0.551414664	5.49E-42
MS4A2	mRNA	-0.72767801	2.23E-85	0.80022169	4.12E-115
EPN3	mRNA	0.347056618	6.55E-16	-0.449680104	8.37E-27
P2RY14	mRNA	-0.71294412	1.72E-80	0.794945477	1.49E-112
ABCA6	mRNA	-0.71994422	8.96E-83	0.819228012	5.20E-125
EFNA3	mRNA	0.252676	6.95E-09	-0.32167555	9.14E-14
ANGPT1	mRNA	-0.63839292	7.63E-60	0.644736601	2.24E-61
NXPH4	mRNA	0.255845295	4.43E-09	-0.343046098	1.47E-15
SLC6A8	mRNA	0.299899636	4.43E-12	-0.443227456	5.30E-26
C11orf96	mRNA	-0.5726862	7.23E-46	0.665344893	1.28E-66
GAPDH	mRNA	0.310717187	6.71E-13	-0.419746433	3.16E-23
C10orf67	mRNA	-0.72666864	4.94E-85	0.728892241	8.54E-86
PYGM	mRNA	-0.62287867	3.05E-56	0.638604856	6.79E-60
NXPH3	mRNA	-0.5557219	9.47E-43	0.586365585	1.62E-48
CA3	mRNA	-0.61921906	2.02E-55	0.664888891	1.69E-66
HMMR	mRNA	0.332471558	1.18E-14	-0.40829516	5.98E-22
PNMA2	mRNA	-0.66381971	3.23E-66	0.755179358	2.05E-95
MFNG	mRNA	-0.70784167	7.17E-79	0.807314059	1.12E-118
CCNE1	mRNA	0.209052677	1.87E-06	-0.261288586	2.02E-09
RMI2	mRNA	0.251772515	7.90E-09	-0.339176406	3.19E-15
DNA2	mRNA	0.374535136	1.84E-18	-0.473942393	5.64E-30
PITX1	mRNA	0.201553666	4.39E-06	-0.30156041	3.33E-12
SIGLEC11	mRNA	-0.56783629	5.87E-45	0.572440269	8.05E-46
CYP17A1	mRNA	-0.68052861	9.30E-71	0.743290705	6.43E-91
ABCC6	mRNA	-0.72752415	2.52E-85	0.756140019	8.64E-96

GJB5	mRNA	0.313679777	3.95E-13	-0.397968682	7.70E-21
NEXN	mRNA	-0.74594249	6.71E-92	0.828701099	2.16E-130
LEFTY2	mRNA	-0.65372266	1.30E-63	0.696843413	1.71E-75
GRHL3	mRNA	0.24775403	1.38E-08	-0.363457475	2.10E-17
CABLES1	mRNA	-0.66608222	8.16E-67	0.726910127	4.08E-85
CD300LF	mRNA	-0.73447884	9.63E-88	0.814487131	1.95E-122
CYP3A7	mRNA	-0.57920163	4.10E-47	0.601313235	1.47E-51
KCNA5	mRNA	-0.65549073	4.63E-64	0.686915723	1.42E-72
TRIM29	mRNA	0.365366905	1.39E-17	-0.459894145	4.15E-28
DPCR1	mRNA	-0.76668528	5.09E-100	0.819550343	3.45E-125
GJA4	mRNA	-0.69301996	2.35E-74	0.799829346	6.42E-115
ZFP36	mRNA	-0.58740307	1.01E-48	0.629841209	7.83E-58
SFTPA1	mRNA	-0.88162314	4.15E-168	0.881861618	2.56E-168
FAM83F	mRNA	0.324454834	5.44E-14	-0.424953458	8.00E-24
C8B	mRNA	-0.60680815	1.02E-52	0.654815164	6.87E-64
ACKR1	mRNA	-0.65088278	6.74E-63	0.712697591	2.06E-80
TM6SF1	mRNA	-0.75736625	2.86E-96	0.868637174	2.31E-157
FAM131C	mRNA	0.278573859	1.46E-10	-0.358587488	5.96E-17
ENPP2	mRNA	-0.42249583	1.53E-23	0.45240022	3.80E-27
MCM8	mRNA	0.383986097	2.13E-19	-0.509951468	3.55E-35
CDCA7	mRNA	0.337822583	4.17E-15	-0.434600639	5.88E-25
C5orf34	mRNA	0.361892002	2.95E-17	-0.404702244	1.47E-21
C16orf89	mRNA	-0.80581532	6.54E-118	0.835738258	1.32E-134
MCM7	mRNA	0.388310364	7.75E-20	-0.520280754	8.72E-37
CKAP2	mRNA	0.404797445	1.43E-21	-0.543220977	1.45E-40
PGC	mRNA	-0.66569859	1.03E-66	0.674734207	3.78E-69
ARHGEF6	mRNA	-0.73045854	2.46E-86	0.855411462	1.54E-147
GRASP	mRNA	-0.55443054	1.61E-42	0.598101712	6.84E-51
NTN4	mRNA	-0.69797119	7.82E-76	0.769974334	2.19E-101
DOCK11	mRNA	-0.71422978	6.62E-81	0.792818733	1.53E-111
GJB3	mRNA	0.292079696	1.65E-11	-0.331305428	1.48E-14
CHRM1	mRNA	-0.6317448	2.83E-58	0.636534105	2.11E-59
NEGR1	mRNA	-0.70870488	3.83E-79	0.744008612	3.50E-91
ATP10A	mRNA	-0.66776641	2.91E-67	0.768270396	1.13E-100
WDR62	mRNA	0.303637884	2.33E-12	-0.40939171	4.53E-22
FANCD2	mRNA	0.40438881	1.59E-21	-0.51639697	3.57E-36
KNSTRN	mRNA	0.407564481	7.18E-22	-0.569424008	2.97E-45
MTFR2	mRNA	0.368876756	6.46E-18	-0.497145626	2.96E-33
TONSL	mRNA	0.355621956	1.12E-16	-0.434555671	5.95E-25
STEAP4	mRNA	-0.62881101	1.35E-57	0.67911471	2.31E-70
HASPIN	mRNA	0.37472368	1.76E-18	-0.500816102	8.49E-34
CKS1B	mRNA	0.313962993	3.75E-13	-0.423100342	1.31E-23
CD36	mRNA	-0.69464012	7.77E-75	0.718789439	2.16E-82
SFTPD	mRNA	-0.82054198	9.74E-126	0.872570052	1.72E-160
NRGN	mRNA	-0.60073758	1.94E-51	0.666267602	7.29E-67
TNS4	mRNA	0.263334994	1.49E-09	-0.295716922	9.01E-12
ARHGAP29	mRNA	-0.67364398	7.51E-69	0.733630031	1.92E-87
APOBR	mRNA	-0.66820947	2.21E-67	0.766647153	5.27E-100
ATP8A1	mRNA	-0.6860298	2.55E-72	0.763939666	6.75E-99
HHIP	mRNA	-0.56947748	2.90E-45	0.611681935	9.15E-54
ANOS1	mRNA	-0.7030402	2.23E-77	0.716750785	1.00E-81
GPER1	mRNA	-0.62948204	9.48E-58	0.652202998	3.14E-63
SELPLG	mRNA	-0.72337559	6.43E-84	0.84426482	5.44E-140
SSTR1	mRNA	-0.66348199	3.96E-66	0.693878468	1.31E-74
MUSK	mRNA	-0.7294394	5.53E-86	0.714828393	4.24E-81
EFNA4	mRNA	0.369709875	5.37E-18	-0.418741737	4.11E-23

FAM72B	mRNA	0.347735198	5.71E-16	-0.44952082	8.76E-27
ALG1L	mRNA	0.315212353	2.99E-13	-0.450918811	5.84E-27
CDKL2	mRNA	-0.71620875	1.51E-81	0.772583808	1.74E-102
HOXA10	mRNA	0.321799943	8.93E-14	-0.418493613	4.38E-23
ITIH3	mRNA	-0.67189916	2.24E-68	0.753381049	1.02E-94
PTGIR	mRNA	-0.58343654	6.14E-48	0.646995546	6.23E-62
MS4A14	mRNA	-0.63758008	1.19E-59	0.730866114	1.77E-86
BTNL9	mRNA	-0.72346862	5.98E-84	0.749790278	2.41E-93
FANCA	mRNA	0.357525507	7.47E-17	-0.440594375	1.11E-25
PID1	mRNA	-0.67872993	2.96E-70	0.693415939	1.79E-74
CENPL	mRNA	0.355077619	1.25E-16	-0.466314019	5.97E-29
WDR72	mRNA	0.348892658	4.50E-16	-0.456806409	1.04E-27
SYNC	mRNA	-0.72172514	2.29E-83	0.7674149	2.54E-100
LRRC2	mRNA	-0.62249416	3.73E-56	0.668860708	1.48E-67
NEDD9	mRNA	-0.69520347	5.28E-75	0.731118235	1.45E-86
RNASEH2A	mRNA	0.327276564	3.20E-14	-0.454285506	2.19E-27
MGLL	mRNA	-0.73497198	6.44E-88	0.781590545	2.14E-106
GYPC	mRNA	-0.70178666	5.42E-77	0.800678142	2.45E-115
MMP19	mRNA	-0.49676989	3.36E-33	0.596416158	1.52E-50
NME1	mRNA	0.322557848	7.76E-14	-0.411733722	2.50E-22
TMPRSS4	mRNA	0.284414303	5.78E-11	-0.369654268	5.44E-18
TP63	mRNA	0.288700459	2.88E-11	-0.454595051	2.00E-27
POLE2	mRNA	0.334896922	7.39E-15	-0.430841666	1.64E-24
KIF18A	mRNA	0.369836706	5.23E-18	-0.48091123	6.20E-31
GINS4	mRNA	0.22918648	1.62E-07	-0.290178133	2.26E-11
DEFA4	mRNA	-0.3650855	1.48E-17	0.365548952	1.34E-17
CTSH	mRNA	-0.66663527	5.82E-67	0.730516101	2.35E-86
COL7A1	mRNA	0.242380988	2.88E-08	-0.315396195	2.89E-13
KLB	mRNA	-0.41681344	6.79E-23	0.437614895	2.56E-25
SKP2	mRNA	0.3056488	1.64E-12	-0.409785952	4.10E-22
ARC	mRNA	-0.55513268	1.21E-42	0.581293586	1.61E-47
CCDC34	mRNA	0.320708523	1.09E-13	-0.427649457	3.89E-24
CENPW	mRNA	0.261053608	2.09E-09	-0.340466004	2.47E-15
SLC24A4	mRNA	-0.32013134	1.22E-13	0.350128554	3.49E-16
C8orf34	mRNA	-0.72065574	5.21E-83	0.788672219	1.32E-109
KRT5	mRNA	0.297206488	7.01E-12	-0.410294	3.61E-22
CLSPN	mRNA	0.338100035	3.94E-15	-0.387199763	1.01E-19
CADM1	mRNA	-0.71859063	2.51E-82	0.763014948	1.60E-98
DBF4	mRNA	0.365033999	1.50E-17	-0.488265505	5.70E-32
PPP1R14A	mRNA	-0.54054465	4.15E-40	0.56747964	6.84E-45
NCAPD2	mRNA	0.35372465	1.66E-16	-0.469673871	2.13E-29
HOPX	mRNA	-0.57693944	1.12E-46	0.635181012	4.42E-59
SPI1	mRNA	-0.69940632	2.88E-76	0.816766942	1.15E-123
SIRPD	mRNA	-0.7477374	1.43E-92	0.787436281	4.90E-109
CACNA1D	mRNA	-0.73318641	2.74E-87	0.787524793	4.46E-109
S1PR4	mRNA	-0.65407971	1.06E-63	0.760471589	1.68E-97
ACOX2	mRNA	-0.68498395	5.08E-72	0.784513895	1.05E-107
HOXD11	mRNA	0.206478851	2.52E-06	-0.298859813	5.29E-12
SPTBN2	mRNA	0.348305213	5.08E-16	-0.409199353	4.76E-22
C7	mRNA	-0.68917931	3.14E-73	0.750278102	1.57E-93
CENPN	mRNA	0.352195328	2.28E-16	-0.484482729	1.96E-31
CYP27A1	mRNA	-0.7015226	6.53E-77	0.788711842	1.27E-109
C2orf91	mRNA	-0.5501083	9.31E-42	0.550716013	7.29E-42
GATA1	mRNA	-0.63322662	1.27E-58	0.691630377	6.03E-74
LMNB1	mRNA	0.365932184	1.23E-17	-0.454147618	2.28E-27
GNA14	mRNA	-0.67478635	3.65E-69	0.766700353	5.01E-100

FAM184A	mRNA	-0.72431561	3.10E-84	0.73890732	2.53E-89
TMEM150B	mRNA	-0.70283721	2.58E-77	0.770813913	9.74E-102
FKBP4	mRNA	0.349761989	3.77E-16	-0.468537539	3.02E-29
DSG3	mRNA	0.257042757	3.73E-09	-0.357058157	8.24E-17
PIF1	mRNA	0.321217826	9.95E-14	-0.398231498	7.22E-21
LMNB2	mRNA	0.37618336	1.27E-18	-0.50454348	2.35E-34
UCK2	mRNA	0.342684136	1.59E-15	-0.430119347	2.00E-24
ERBB4	mRNA	-0.70615961	2.41E-78	0.732035399	6.94E-87
SFTPA2	mRNA	-0.86377247	1.25E-153	0.871213767	2.11E-159
C14orf132	mRNA	-0.70619868	2.34E-78	0.734328805	1.09E-87
ABCA12	mRNA	0.192917567	1.13E-05	-0.23979549	4.07E-08
RHOV	mRNA	0.270640071	4.99E-10	-0.314734724	3.26E-13
FBXO45	mRNA	0.342698667	1.58E-15	-0.470960145	1.43E-29
GGCT	mRNA	0.351156663	2.83E-16	-0.489350154	3.99E-32
RGN	mRNA	-0.67490931	3.38E-69	0.715403909	2.76E-81
GMNN	mRNA	0.326168992	3.94E-14	-0.418584994	4.28E-23
PKP1	mRNA	0.299959781	4.39E-12	-0.445367505	2.88E-26
CALML3	mRNA	0.239644953	4.16E-08	-0.321933245	8.71E-14
ARTN	mRNA	0.252918622	6.72E-09	-0.393588106	2.22E-20
PIP5K1B	mRNA	-0.72659358	5.24E-85	0.726605361	5.19E-85
SERTM1	mRNA	-0.66416152	2.63E-66	0.637744278	1.09E-59
SLC34A2	mRNA	-0.77502597	1.58E-103	0.833119122	5.15E-133
STAC	mRNA	-0.72085228	4.48E-83	0.694096591	1.13E-74
PAFAH1B3	mRNA	0.292275007	1.60E-11	-0.333352707	9.98E-15
ACTL6A	mRNA	0.321554963	9.35E-14	-0.475990196	2.96E-30
GINS3	mRNA	0.363276614	2.19E-17	-0.516243236	3.77E-36
CHI3L2	mRNA	-0.49721644	2.89E-33	0.553805216	2.08E-42
ICAM1	mRNA	-0.51743885	2.45E-36	0.583983178	4.79E-48
PPAT	mRNA	0.311953665	5.38E-13	-0.388150016	8.05E-20
C21orf62	mRNA	-0.25502523	4.98E-09	0.25990911	2.47E-09
IRF6	mRNA	0.363851041	1.93E-17	-0.447857377	1.41E-26
PAICS	mRNA	0.289436853	2.56E-11	-0.387155147	1.02E-19
LILRA1	mRNA	-0.66885402	1.49E-67	0.760230724	2.10E-97
ELANE	mRNA	-0.51549013	4.94E-36	0.565169274	1.83E-44
CHAF1A	mRNA	0.360911028	3.63E-17	-0.511692244	1.92E-35
PLEKHH2	mRNA	-0.64933599	1.64E-62	0.654699448	7.35E-64
DNASE2B	mRNA	-0.61998315	1.36E-55	0.645313817	1.61E-61
DYSF	mRNA	-0.53637706	2.09E-39	0.61186959	8.33E-54
CERS3	mRNA	0.245279222	1.94E-08	-0.341661259	1.95E-15
CENPK	mRNA	0.328462574	2.55E-14	-0.4081222	6.24E-22
MYOZ1	mRNA	-0.70552144	3.81E-78	0.677633127	5.98E-70
KIF17	mRNA	-0.56568894	1.47E-44	0.570043487	2.27E-45
TMEM233	mRNA	-0.56771005	6.20E-45	0.629576968	9.01E-58
MMP11	mRNA	0.190844045	1.40E-05	-0.180643906	4.00E-05
SYNE3	mRNA	-0.66753922	3.34E-67	0.747860322	1.29E-92
CTSV	mRNA	0.200956285	4.69E-06	-0.259399867	2.65E-09
BOP1	mRNA	0.349586693	3.91E-16	-0.433286661	8.43E-25
PRAME	mRNA	0.203923761	3.36E-06	-0.263864974	1.38E-09
OTX1	mRNA	0.214930898	9.39E-07	-0.313528138	4.05E-13
SFTA2	mRNA	-0.80008091	4.83E-115	0.845158781	1.42E-140
LYPD3	mRNA	0.195351819	8.66E-06	-0.22145484	4.27E-07
C2	mRNA	-0.61198101	7.88E-54	0.720350678	6.57E-83
RCCD1	mRNA	0.343435213	1.36E-15	-0.47590112	3.05E-30
TREM1	mRNA	-0.65892466	6.09E-65	0.714547964	5.22E-81
NAPSA	mRNA	-0.81160732	6.60E-121	0.859578509	1.59E-150
GMFG	mRNA	-0.62918093	1.11E-57	0.749206009	4.00E-93

NLRP12	mRNA	-0.49573137	4.77E-33	0.564705887	2.23E-44
SLC26A9	mRNA	-0.61331857	4.03E-54	0.638174802	8.61E-60
TBX5	mRNA	-0.6827385	2.21E-71	0.767138387	3.31E-100
PKP3	mRNA	0.336210919	5.72E-15	-0.411735	2.50E-22
KRT17	mRNA	0.230128634	1.44E-07	-0.312855328	4.58E-13
XXYLT1	mRNA	0.337946278	4.07E-15	-0.490856413	2.43E-32
TYMS	mRNA	0.312178355	5.17E-13	-0.391536635	3.61E-20
SHOX2	mRNA	0.193116327	1.10E-05	-0.233062503	9.87E-08
SLCO2A1	mRNA	-0.5701452	2.18E-45	0.652824246	2.19E-63
OCLN	mRNA	-0.6632051	4.69E-66	0.691571316	6.27E-74
ITGA9	mRNA	-0.57699496	1.09E-46	0.648359506	2.87E-62
ITM2A	mRNA	-0.64062278	2.23E-60	0.720881979	4.38E-83
RAB37	mRNA	-0.61147033	1.02E-53	0.713940931	8.20E-81
LCN6	mRNA	-0.51676636	3.12E-36	0.558155739	3.47E-43
NUDT1	mRNA	0.356875816	8.56E-17	-0.519669535	1.09E-36
ABCB1	mRNA	-0.51309218	1.17E-35	0.579358309	3.83E-47
TTLL12	mRNA	0.344800129	1.04E-15	-0.47862869	1.28E-30
GEN1	mRNA	0.347938317	5.48E-16	-0.481252033	5.56E-31
KLHL33	mRNA	-0.65616056	3.12E-64	0.686433855	1.95E-72
USH1G	mRNA	0.206946253	2.38E-06	-0.341574821	1.98E-15
PPP1R14B	mRNA	0.340915699	2.26E-15	-0.386384757	1.22E-19
MGP	mRNA	-0.57976777	3.19E-47	0.651274714	5.38E-63
SEMA3B	mRNA	-0.53122134	1.49E-38	0.563783907	3.29E-44
VSIG2	mRNA	-0.50625527	1.30E-34	0.535136494	3.36E-39
FAT2	mRNA	0.258350235	3.09E-09	-0.326208883	3.91E-14
ALG3	mRNA	0.323683912	6.29E-14	-0.476111107	2.85E-30
COX7A1	mRNA	-0.48100772	6.01E-31	0.498611938	1.80E-33
ENPP4	mRNA	-0.71071506	8.85E-80	0.768482763	9.18E-101
F12	mRNA	0.273738465	3.11E-10	-0.4116221	2.57E-22
SORBS2	mRNA	-0.67190996	2.23E-68	0.71629936	1.41E-81
SLC4A4	mRNA	-0.70698069	1.33E-78	0.760360186	1.86E-97
TRIM59	mRNA	0.336511058	5.39E-15	-0.461864387	2.30E-28
SGO2	mRNA	0.344006607	1.22E-15	-0.459373225	4.85E-28
PCDH17	mRNA	-0.56063625	1.24E-43	0.594943794	3.05E-50
IL1RL1	mRNA	-0.24046352	3.73E-08	0.283409343	6.79E-11
GIMAP5	mRNA	-0.68487077	5.47E-72	0.800253357	3.97E-115
GPT2	mRNA	0.300503695	4.00E-12	-0.385838677	1.38E-19
SLC6A20	mRNA	-0.49949845	1.33E-33	0.510694333	2.73E-35
THOC3	mRNA	0.324685977	5.21E-14	-0.46592009	6.73E-29
CD33	mRNA	-0.68711649	1.24E-72	0.780606683	5.84E-106
SFXN1	mRNA	0.327420713	3.11E-14	-0.455202806	1.67E-27
AKAP12	mRNA	-0.47593957	3.01E-30	0.528000487	5.02E-38
HNF1B	mRNA	-0.70330734	1.85E-77	0.758683085	8.64E-97
ARNTL2	mRNA	0.273077955	3.44E-10	-0.344936287	1.01E-15
NPM3	mRNA	0.306840989	1.33E-12	-0.422767108	1.43E-23
AK4	mRNA	0.254840144	5.12E-09	-0.31544645	2.87E-13
DDAH1	mRNA	-0.63563375	3.46E-59	0.702529063	3.21E-77
CHIA	mRNA	-0.64382013	3.74E-61	0.6475711	4.49E-62
ALOX15B	mRNA	-0.50706614	9.78E-35	0.508709216	5.50E-35
PI16	mRNA	-0.49145217	1.99E-32	0.491040423	2.28E-32
GJB6	mRNA	0.171183315	0.000100692	-0.240650321	3.63E-08
RDM1	mRNA	0.280416047	1.09E-10	-0.371117532	3.94E-18
H2AFX	mRNA	0.352696457	2.05E-16	-0.465063052	8.74E-29
MMP12	mRNA	0.198828386	5.93E-06	-0.136711988	0.001952241
LARGE2	mRNA	0.302725332	2.73E-12	-0.358308061	6.33E-17
ART1	mRNA	-0.63201279	2.45E-58	0.66509663	1.49E-66

MFSD2A	mRNA	-0.57396122	4.15E-46	0.570865939	1.59E-45
FIGNL1	mRNA	0.319584032	1.35E-13	-0.434646817	5.80E-25
OR6K3	mRNA	-0.60630531	1.30E-52	0.598751499	5.02E-51
FAM72D	mRNA	0.325901304	4.15E-14	-0.441136062	9.55E-26
SLC25A10	mRNA	0.327050512	3.34E-14	-0.417265278	6.03E-23
ARHGEF39	mRNA	0.2519148	7.74E-09	-0.335031545	7.20E-15
IGF2BP3	mRNA	0.294997231	1.02E-11	-0.388330697	7.72E-20
RPL39L	mRNA	0.27905147	1.36E-10	-0.392702306	2.74E-20
PPP2R2C	mRNA	0.248563389	1.24E-08	-0.328724327	2.43E-14
ATAD5	mRNA	0.364723793	1.60E-17	-0.524535287	1.83E-37
IQCIN	mRNA	-0.55418989	1.78E-42	0.562994151	4.59E-44
AVPR2	mRNA	-0.61685126	6.77E-55	0.623962984	1.74E-56
CCL2	mRNA	-0.44304479	5.58E-26	0.502015398	5.63E-34
CHTF18	mRNA	0.326393818	3.78E-14	-0.420806892	2.39E-23
DSC3	mRNA	0.28827628	3.09E-11	-0.402010925	2.86E-21
POLR2H	mRNA	0.326255808	3.88E-14	-0.48477474	1.78E-31
PYCR1	mRNA	0.299226187	4.97E-12	-0.351391224	2.69E-16
LILRA5	mRNA	-0.55881332	2.64E-43	0.618460596	2.98E-55
UPK3B	mRNA	-0.52456874	1.80E-37	0.521925465	4.78E-37
GIMAP4	mRNA	-0.67419098	5.32E-69	0.80114393	1.44E-115
COL4A4	mRNA	-0.6377269	1.10E-59	0.717050667	8.02E-82
RPP40	mRNA	0.378572889	7.38E-19	-0.511093689	2.37E-35
ALDH3B2	mRNA	0.204605259	3.11E-06	-0.246762035	1.58E-08
CEACAM21	mRNA	-0.62429186	1.46E-56	0.735137864	5.63E-88
ARHGEF19	mRNA	0.317316364	2.04E-13	-0.3684018	7.17E-18
CHRNA5	mRNA	0.30756423	1.17E-12	-0.414052207	1.38E-22
CRTAC1	mRNA	-0.69379518	1.38E-74	0.779755254	1.39E-105
PNCK	mRNA	0.214944457	9.37E-07	-0.316471473	2.38E-13
DOCK8	mRNA	-0.65068354	7.56E-63	0.789955508	3.36E-110
MNDA	mRNA	-0.68625376	2.20E-72	0.78049845	6.52E-106
FAT4	mRNA	-0.55697133	5.66E-43	0.628301648	1.77E-57
C18orf63	mRNA	-0.60372548	4.59E-52	0.615748297	1.18E-54
GGTLC3	mRNA	-0.47748209	1.85E-30	0.473277825	6.94E-30
PTPN5	mRNA	-0.47471773	4.42E-30	0.480627779	6.79E-31
LY86	mRNA	-0.65180628	3.95E-63	0.764992174	2.52E-99
CCBE1	mRNA	-0.49418463	8.01E-33	0.530682708	1.83E-38
SCN4B	mRNA	-0.61786612	4.04E-55	0.620107136	1.28E-55
CLIC3	mRNA	-0.66834801	2.03E-67	0.717918103	4.17E-82
KCNA3	mRNA	-0.6290108	1.22E-57	0.729879014	3.90E-86
OLFML1	mRNA	-0.65670542	2.26E-64	0.755864518	1.11E-95
ST8SIA6	mRNA	-0.64537027	1.56E-61	0.650233258	9.80E-63
MARK1	mRNA	0.351148995	2.83E-16	-0.481153863	5.73E-31
CYR61	mRNA	-0.59011096	2.90E-49	0.701428425	6.97E-77
CLEC19A	mRNA	-0.60255341	8.09E-52	0.608089611	5.43E-53
NR3C2	mRNA	-0.70259958	3.05E-77	0.736892807	1.34E-88
TMEM117	mRNA	0.320364949	1.17E-13	-0.442951934	5.73E-26
RAET1L	mRNA	0.207789597	2.16E-06	-0.293794495	1.24E-11
PLA2G4F	mRNA	-0.6563887	2.73E-64	0.606464321	1.21E-52
PIGR	mRNA	-0.72970759	4.47E-86	0.784105842	1.60E-107
CARD14	mRNA	0.26898003	6.42E-10	-0.303696538	2.30E-12
RASAL1	mRNA	0.147707221	0.000810515	-0.132060872	0.00277996
SPERT	mRNA	0.251048734	8.74E-09	-0.3197067	1.32E-13
KRTAP4-1	mRNA	0.225206245	2.68E-07	-0.324647828	5.25E-14
PCDHGA12	mRNA	-0.54573664	5.36E-41	0.629105544	1.16E-57
LAD1	mRNA	0.347936307	5.48E-16	-0.434535369	5.98E-25
FOXE1	mRNA	0.21082074	1.52E-06	-0.356836671	8.64E-17

CSF3R	mRNA	-0.60900393	3.46E-53	0.729155061	6.93E-86
CCDC58	mRNA	0.326153763	3.95E-14	-0.472778947	8.11E-30
COBL	mRNA	-0.67034094	5.92E-68	0.703686012	1.41E-77
CDO1	mRNA	-0.63680681	1.82E-59	0.652007395	3.52E-63
ZNF695	mRNA	0.291916308	1.70E-11	-0.375318731	1.54E-18
MYBPHL	mRNA	-0.72913694	7.03E-86	0.773208951	9.46E-103
FANCE	mRNA	0.321461182	9.51E-14	-0.480237066	7.69E-31
BTK	mRNA	-0.63194741	2.54E-58	0.762311802	3.07E-98
KMO	mRNA	-0.57616072	1.58E-46	0.675497556	2.33E-69
HOXA1	mRNA	0.316024137	2.58E-13	-0.369904771	5.15E-18
NINJ2	mRNA	-0.64189635	1.10E-60	0.7276338	2.31E-85
PDK1	mRNA	0.328225038	2.67E-14	-0.42289688	1.38E-23
SLCO2B1	mRNA	-0.68233	2.89E-71	0.788032089	2.61E-109
IGFALS	mRNA	-0.39184554	3.36E-20	0.4329415	9.26E-25
MLPH	mRNA	-0.65197104	3.60E-63	0.736117768	2.53E-88
SCN1A	mRNA	-0.6882274	5.92E-73	0.75169911	4.51E-94
PAPSS2	mRNA	-0.55071485	7.29E-42	0.627579136	2.60E-57
C5	mRNA	-0.50128194	7.24E-34	0.559965529	1.63E-43
MACROD2	mRNA	-0.63203592	2.42E-58	0.715852981	1.97E-81
PSRC1	mRNA	0.332714919	1.13E-14	-0.425294918	7.30E-24
NTM	mRNA	-0.55552604	1.03E-42	0.584418123	3.94E-48
ATP1B2	mRNA	-0.50357812	3.28E-34	0.535264791	3.20E-39
FAM111B	mRNA	0.270320562	5.24E-10	-0.314043075	3.70E-13
PTPRN2	mRNA	-0.50548118	1.70E-34	0.539763042	5.62E-40
TRPC3	mRNA	-0.62515341	9.32E-57	0.678320293	3.85E-70
ZIC5	mRNA	0.261294727	2.01E-09	-0.351607172	2.57E-16
CXCL3	mRNA	-0.46355238	1.38E-28	0.521819859	4.97E-37
AL928654.3	mRNA	-0.55188147	4.55E-42	0.608027913	5.60E-53
CKMT1B	mRNA	0.277843897	1.64E-10	-0.396852791	1.01E-20
DSG2	mRNA	0.322545366	7.78E-14	-0.428436512	3.15E-24
NECTIN4	mRNA	0.275410475	2.40E-10	-0.371420188	3.68E-18
NLRP3	mRNA	-0.5385759	8.92E-40	0.643685422	4.04E-61
USP44	mRNA	-0.62856654	1.54E-57	0.642694846	7.03E-61
ABLIM3	mRNA	-0.65951358	4.29E-65	0.733107379	2.93E-87
METTL1B	mRNA	0.203952877	3.35E-06	-0.198448974	6.18E-06
RRAD	mRNA	-0.48181214	4.64E-31	0.57122927	1.36E-45
ALPL	mRNA	-0.57251918	7.78E-46	0.635529233	3.66E-59
TSACC	mRNA	0.310373726	7.13E-13	-0.388858838	6.81E-20
MYL3	mRNA	-0.67529894	2.64E-69	0.777800438	9.96E-105
SLC24A2	mRNA	0.195600929	8.43E-06	-0.165490239	0.000171456
FPR1	mRNA	-0.59771003	8.24E-51	0.682021832	3.53E-71
UCN2	mRNA	0.105638869	0.01690172	-0.127752135	0.00381988
LHX5	mRNA	0.187329348	2.03E-05	-0.269354084	6.07E-10
LPCAT1	mRNA	-0.48203179	4.32E-31	0.571281996	1.33E-45
PTGDS	mRNA	-0.51236077	1.51E-35	0.620032222	1.33E-55
BTBD11	mRNA	0.269310421	6.11E-10	-0.385606913	1.46E-19
AZU1	mRNA	-0.47343157	6.61E-30	0.502454205	4.84E-34
SCIMP	mRNA	-0.66635457	6.91E-67	0.765806368	1.17E-99
KRT74	mRNA	0.185117004	2.54E-05	-0.298287494	5.83E-12
IL6	mRNA	-0.42023038	2.79E-23	0.422183813	1.67E-23
SELENOI	mRNA	0.320088944	1.23E-13	-0.461746075	2.38E-28
FAM72A	mRNA	0.334959793	7.30E-15	-0.463441953	1.43E-28
ZYG11A	mRNA	0.220107093	5.03E-07	-0.231472893	1.21E-07
CELA2B	mRNA	-0.58112795	1.73E-47	0.590334962	2.62E-49
KLF17	mRNA	-0.6520487	3.44E-63	0.719532836	1.23E-82
PRELP	mRNA	-0.61211036	7.38E-54	0.678402967	3.66E-70



HMGA2	mRNA	0.169401802	0.000119161	-0.205704817	2.75E-06
NR4A2	mRNA	-0.47855996	1.31E-30	0.501010231	7.94E-34
SOX15	mRNA	0.265623822	1.06E-09	-0.399640881	5.12E-21
RASSF2	mRNA	-0.58716304	1.13E-48	0.690738995	1.10E-73
SLC18A2	mRNA	-0.61172494	8.95E-54	0.714421201	5.74E-81
PLEKHG6	mRNA	0.295647878	9.11E-12	-0.371207981	3.86E-18
SLC7A5	mRNA	0.259663639	2.56E-09	-0.346939263	6.71E-16
SLC5A12	mRNA	0.225806477	2.49E-07	-0.268433584	6.97E-10
TLR4	mRNA	-0.66258465	6.82E-66	0.739138295	2.09E-89
SFTA3	mRNA	-0.72077952	4.74E-83	0.77108053	7.53E-102
HAS1	mRNA	-0.36304375	2.30E-17	0.380857239	4.38E-19
SIAH2	mRNA	0.314410413	3.46E-13	-0.456250271	1.23E-27
PTHLH	mRNA	0.174666812	7.21E-05	-0.268043355	7.40E-10
SLC16A12	mRNA	-0.52268209	3.62E-37	0.590548919	2.37E-49
APOBEC3B	mRNA	0.252866005	6.77E-09	-0.336532896	5.37E-15
AGTR1	mRNA	-0.40294597	2.27E-21	0.423131549	1.30E-23
SCEL	mRNA	-0.69750232	1.08E-75	0.699950755	1.97E-76
FOXA2	mRNA	-0.64885795	2.16E-62	0.677731128	5.62E-70
CCDC150	mRNA	0.248592697	1.23E-08	-0.319171831	1.45E-13
SMAD9	mRNA	-0.56223006	6.34E-44	0.561167972	9.89E-44
TMPRSS2	mRNA	-0.63217404	2.25E-58	0.694459359	8.80E-75
GJA5	mRNA	-0.55898479	2.46E-43	0.673594524	7.75E-69
ACTN2	mRNA	-0.45720476	9.25E-28	0.463643702	1.34E-28
MYO7B	mRNA	-0.43250613	1.04E-24	0.479528121	9.64E-31
DAPK1	mRNA	-0.57463483	3.09E-46	0.629620239	8.80E-58
DDIAS	mRNA	0.325688506	4.32E-14	-0.478460574	1.35E-30
MEX3A	mRNA	0.189066817	1.69E-05	-0.191161752	1.36E-05
ACSS3	mRNA	-0.5948056	3.25E-50	0.657020975	1.88E-64
JUP	mRNA	0.344034897	1.21E-15	-0.472711393	8.28E-30
TMEM171	mRNA	0.226467918	2.29E-07	-0.258318207	3.11E-09
KLC3	mRNA	0.247756627	1.38E-08	-0.3016681	3.27E-12
PTGFRN	mRNA	0.320959081	1.04E-13	-0.341445951	2.03E-15
KIR3DL1	mRNA	-0.57774061	7.85E-47	0.609614509	2.56E-53
PLPP2	mRNA	0.351677614	2.54E-16	-0.430722257	1.70E-24
POU6F2	mRNA	0.304272865	2.09E-12	-0.383290748	2.50E-19
TPBG	mRNA	0.306184282	1.49E-12	-0.350049212	3.55E-16
TESMIN	mRNA	0.185725082	2.39E-05	-0.234903307	7.77E-08
SYT14	mRNA	0.190529723	1.45E-05	-0.255879983	4.41E-09
P3H4	mRNA	0.315864421	2.66E-13	-0.380019034	5.31E-19
GPR19	mRNA	0.27665626	1.98E-10	-0.332026568	1.29E-14
TFAP2C	mRNA	0.312620047	4.77E-13	-0.376488121	1.18E-18
ITGB4	mRNA	0.285095469	5.18E-11	-0.323449889	6.57E-14
MELTF	mRNA	0.210375701	1.60E-06	-0.297643272	6.51E-12
ADGRG4	mRNA	-0.49615633	4.13E-33	0.4999202	1.15E-33
GCSAML	mRNA	-0.51509185	5.70E-36	0.573675103	4.70E-46
LILRA2	mRNA	-0.43315856	8.73E-25	0.481102969	5.83E-31
PLXNB3	mRNA	0.279297275	1.31E-10	-0.327370391	3.14E-14
HGF	mRNA	-0.50340743	3.48E-34	0.580823558	1.99E-47
CORO2B	mRNA	-0.63445337	6.56E-59	0.679749065	1.54E-70
CRIP1	mRNA	-0.59713699	1.08E-50	0.700359206	1.48E-76
YDJC	mRNA	0.2514032	8.32E-09	-0.356579375	9.12E-17
C1orf74	mRNA	0.216543111	7.74E-07	-0.218404483	6.19E-07
STYK1	mRNA	0.304489346	2.01E-12	-0.393988373	2.01E-20
GPC1	mRNA	0.257401108	3.54E-09	-0.332448016	1.19E-14
IGSF11	mRNA	0.255831205	4.44E-09	-0.362785885	2.43E-17
CDH3	mRNA	0.219182355	5.63E-07	-0.19828345	6.30E-06

TSKU	mRNA	0.296679514	7.66E-12	-0.359928913	4.48E-17
TNFRSF10C	mRNA	-0.60106038	1.66E-51	0.652202571	3.14E-63
CA1	mRNA	-0.5397967	5.55E-40	0.563636813	3.50E-44
CELSR2	mRNA	0.272778798	3.60E-10	-0.297437321	6.74E-12
NKPD1	mRNA	0.174956318	7.01E-05	-0.208841604	1.92E-06
LAMC3	mRNA	-0.54085766	3.67E-40	0.574304253	3.57E-46
SRRM3	mRNA	0.260342201	2.31E-09	-0.356124151	1.00E-16
GPI	mRNA	0.295422037	9.46E-12	-0.440940558	1.01E-25
NCMAP	mRNA	-0.55005692	9.51E-42	0.599508673	3.50E-51
MIF	mRNA	0.290314249	2.21E-11	-0.416472409	7.41E-23
GRHL1	mRNA	0.288950104	2.77E-11	-0.406696811	8.93E-22
MOGAT1	mRNA	-0.59856169	5.49E-51	0.604037819	3.94E-52
GAREM2	mRNA	0.295306739	9.65E-12	-0.389316457	6.12E-20
CD300E	mRNA	-0.5232132	2.98E-37	0.595590601	2.25E-50
TGFBR3	mRNA	-0.57852255	5.55E-47	0.546924464	3.34E-41
FAM167A	mRNA	-0.54131804	3.06E-40	0.53476316	3.88E-39
CLEC12A	mRNA	-0.64519582	1.73E-61	0.664850152	1.73E-66
STAB2	mRNA	-0.41208287	2.29E-22	0.421529847	1.98E-23
TMCO2	mRNA	-0.58831735	6.64E-49	0.575865367	1.80E-46
ST6GALNAC3	mRNA	-0.45227434	3.94E-27	0.481036353	5.95E-31
CDK5R1	mRNA	0.297430799	6.74E-12	-0.393318053	2.36E-20
PCDHA12	mRNA	-0.59299079	7.61E-50	0.630510051	5.48E-58
SPARCL1	mRNA	-0.58905682	4.72E-49	0.553364989	2.49E-42
PGLYRP1	mRNA	-0.45898789	5.44E-28	0.445707009	2.62E-26
ANKRD29	mRNA	-0.57791711	7.26E-47	0.565779859	1.41E-44
SH2D4B	mRNA	-0.55038377	8.33E-42	0.542365379	2.03E-40
AL049634.2	mRNA	-0.6162902	9.00E-55	0.695448109	4.47E-75
GPX2	mRNA	0.219266912	5.57E-07	-0.379154798	6.46E-19
FBXO43	mRNA	0.264629315	1.23E-09	-0.337397988	4.53E-15
KLHL41	mRNA	-0.37810118	8.21E-19	0.418656147	4.20E-23
BCL2L10	mRNA	0.210976831	1.50E-06	-0.276955669	1.89E-10
BEND2	mRNA	-0.50975904	3.80E-35	0.502514398	4.74E-34
MT1A	mRNA	-0.32010177	1.22E-13	0.334379569	8.17E-15
SLC15A1	mRNA	0.179938839	4.29E-05	-0.178730306	4.84E-05
CLCN2	mRNA	0.26676267	8.96E-10	-0.411035865	2.99E-22
FGF11	mRNA	0.260674948	2.21E-09	-0.308249039	1.04E-12
CHRNB4	mRNA	0.243768789	2.39E-08	-0.321734551	9.04E-14
HPGD	mRNA	-0.49209819	1.61E-32	0.526910064	7.55E-38
FOS	mRNA	-0.52702781	7.23E-38	0.539768313	5.61E-40
GABRR1	mRNA	0.230491852	1.37E-07	-0.326206316	3.91E-14
HK3	mRNA	-0.56374626	3.35E-44	0.652813151	2.21E-63
TMEM163	mRNA	-0.59491818	3.08E-50	0.644405146	2.69E-61
CKMT1A	mRNA	0.261344485	2.00E-09	-0.38009444	5.21E-19
FAM47E-STBD1	mRNA	-0.62145184	6.40E-56	0.642425156	8.17E-61
EFR3B	mRNA	-0.53154723	1.32E-38	0.554440807	1.60E-42
TMEM139	mRNA	-0.51920428	1.29E-36	0.551108946	6.22E-42
LGI3	mRNA	-0.64970845	1.32E-62	0.580598815	2.20E-47
PFN2	mRNA	0.26847142	6.93E-10	-0.38161171	3.68E-19
CLEC1B	mRNA	-0.60855521	4.32E-53	0.602462575	8.46E-52
E2F1	mRNA	0.30915953	8.85E-13	-0.395955188	1.25E-20
VIP	mRNA	-0.57786616	7.43E-47	0.588644576	5.71E-49
KLF15	mRNA	-0.54630968	4.27E-41	0.54813426	2.06E-41
KRT15	mRNA	0.187337371	2.02E-05	-0.278241136	1.54E-10
ZP3	mRNA	0.286230945	4.31E-11	-0.379513723	5.95E-19
GABRQ	mRNA	0.12978865	0.00329094	-0.184312925	2.76E-05
CCNE2	mRNA	0.256079729	4.29E-09	-0.303893817	2.23E-12

PTGIS	mRNA	-0.51343664	1.03E-35	0.555123047	1.21E-42
RAPGEFL1	mRNA	0.25029172	9.72E-09	-0.380060023	5.26E-19
PGLYRP3	mRNA	0.155546198	0.000417037	-0.217130979	7.21E-07
FANCG	mRNA	0.265914384	1.02E-09	-0.365224043	1.43E-17
KCTD1	mRNA	0.266026105	1.00E-09	-0.383297148	2.50E-19
ADGRE1	mRNA	-0.53941905	6.43E-40	0.606609357	1.12E-52
COL17A1	mRNA	0.160999139	0.000257795	-0.153262993	0.00050775
ETNK2	mRNA	0.316348765	2.43E-13	-0.434107366	6.73E-25
DHH	mRNA	-0.54145519	2.90E-40	0.63291899	1.50E-58
SIX4	mRNA	0.3159883	2.60E-13	-0.385100975	1.64E-19
HIST1H2BH	mRNA	0.132792547	0.002631496	-0.19295426	1.12E-05
GPRIN2	mRNA	-0.67048611	5.41E-68	0.694916579	6.43E-75
BARX1	mRNA	0.142428819	0.001245565	-0.197371127	6.96E-06
ATP13A4	mRNA	-0.67035857	5.86E-68	0.67950352	1.80E-70
LIFR	mRNA	-0.44557939	2.72E-26	0.479797602	8.85E-31
ZIC2	mRNA	0.214631736	9.73E-07	-0.281694845	8.93E-11
SIGLEC1	mRNA	-0.51787407	2.09E-36	0.619494134	1.75E-55
ADAMTSL3	mRNA	-0.54442735	9.01E-41	0.556972075	5.66E-43
BMP7	mRNA	0.297814771	6.32E-12	-0.421547943	1.97E-23
GRIK4	mRNA	-0.48451902	1.94E-31	0.520126613	9.23E-37
CBX2	mRNA	0.248013091	1.33E-08	-0.341617335	1.96E-15
PARD6G	mRNA	0.329189318	2.22E-14	-0.416088703	8.18E-23
TGM2	mRNA	-0.5536332	2.23E-42	0.695320594	4.87E-75
AGR3	mRNA	-0.62069198	9.47E-56	0.674432865	4.57E-69
SELE	mRNA	-0.36873678	6.66E-18	0.409179035	4.78E-22
RUNX1T1	mRNA	-0.55815158	3.48E-43	0.640229219	2.77E-60
ZNF488	mRNA	0.233647151	9.15E-08	-0.302016251	3.08E-12
OR1L8	mRNA	-0.59836797	6.02E-51	0.65015269	1.03E-62
C16orf74	mRNA	0.261189063	2.05E-09	-0.364812024	1.57E-17
FSCN1	mRNA	0.274900264	2.60E-10	-0.338183984	3.88E-15
NRG3	mRNA	-0.54864863	1.68E-41	0.568717295	4.03E-45
RAC3	mRNA	0.234084419	8.64E-08	-0.305307465	1.74E-12
CD69	mRNA	-0.50157301	6.55E-34	0.603214225	5.88E-52
GPRIN1	mRNA	0.254052396	5.72E-09	-0.286816627	3.92E-11
C3orf67	mRNA	0.285037521	5.23E-11	-0.433444516	8.07E-25
DNASE1L3	mRNA	-0.54692057	3.35E-41	0.498737978	1.72E-33
HTR2C	mRNA	0.19746436	6.89E-06	-0.231479981	1.21E-07
SLC16A4	mRNA	-0.45318189	3.02E-27	0.563381224	3.90E-44
GALNT14	mRNA	0.236045579	6.69E-08	-0.278286397	1.53E-10
HMCN2	mRNA	-0.457859	7.61E-28	0.474219079	5.17E-30
BMP2	mRNA	-0.5622577	6.26E-44	0.621654481	5.76E-56
SLC16A1	mRNA	0.288058249	3.20E-11	-0.369056672	6.21E-18
SLC8A3	mRNA	-0.39556601	1.38E-20	0.426992835	4.64E-24
ADAMTS20	mRNA	0.202938935	3.76E-06	-0.274693154	2.68E-10
SCN2B	mRNA	-0.54506527	7.00E-41	0.585599764	2.30E-48
ANK2	mRNA	-0.47633688	2.65E-30	0.576770596	1.21E-46
BIK	mRNA	0.259909573	2.47E-09	-0.331713277	1.37E-14
PRR19	mRNA	0.186708607	2.16E-05	-0.233886265	8.87E-08
EIF4EBP1	mRNA	0.212881059	1.20E-06	-0.285201103	5.09E-11
FLRT3	mRNA	-0.66201689	9.59E-66	0.747549254	1.68E-92
SORD	mRNA	0.248645182	1.22E-08	-0.297583014	6.57E-12
SOX2	mRNA	0.241758259	3.13E-08	-0.400460431	4.19E-21
FOXD3	mRNA	0.198784155	5.96E-06	-0.2565204	4.02E-09
CXCR1	mRNA	-0.46096446	3.01E-28	0.484224315	2.13E-31
RIMS2	mRNA	0.190789583	1.41E-05	-0.239979558	3.97E-08
ABCC5	mRNA	0.222133624	3.92E-07	-0.356091252	1.01E-16

PPBP	mRNA	-0.42247887	1.54E-23	0.406399861	9.62E-22
CASKIN1	mRNA	0.19972064	5.37E-06	-0.281725637	8.89E-11
SCTR	mRNA	-0.61684972	6.77E-55	0.708959793	3.19E-79
OVOL1	mRNA	0.217588725	6.83E-07	-0.295534082	9.29E-12
CDH24	mRNA	0.303460165	2.40E-12	-0.402371889	2.62E-21
SLC9A3R1	mRNA	0.288886068	2.80E-11	-0.45241834	3.78E-27
PADI4	mRNA	-0.2284424	1.78E-07	0.248713054	1.21E-08
HOXD13	mRNA	0.208471195	2.00E-06	-0.308195498	1.05E-12
PRDM16	mRNA	-0.55088747	6.80E-42	0.563377013	3.91E-44
FAM72C	mRNA	0.279992273	1.17E-10	-0.385604186	1.46E-19
CAPNS2	mRNA	0.197222427	7.07E-06	-0.251729489	7.94E-09
HPDL	mRNA	0.194653895	9.34E-06	-0.262339812	1.73E-09
C11orf21	mRNA	-0.54071447	3.88E-40	0.62950068	9.38E-58
KCNIP1	mRNA	-0.44707382	1.77E-26	0.50775902	7.67E-35
TRPC6	mRNA	-0.44302818	5.60E-26	0.472113979	9.98E-30
KCNA10	mRNA	-0.60152208	1.33E-51	0.617513435	4.83E-55
DGKA	mRNA	0.323541094	6.46E-14	-0.401226084	3.47E-21
GJB4	mRNA	0.181716336	3.59E-05	-0.194380108	9.62E-06
INAVA	mRNA	0.294995135	1.02E-11	-0.292273949	1.60E-11
DAPL1	mRNA	0.148192237	0.000778582	-0.22484171	2.81E-07
MTHFD2	mRNA	0.288235094	3.11E-11	-0.388498898	7.42E-20
HSF2BP	mRNA	0.267549845	7.97E-10	-0.281212768	9.65E-11
FAM162A	mRNA	0.27606424	2.17E-10	-0.41288825	1.86E-22
AGBL1	mRNA	-0.55145043	5.41E-42	0.62344625	2.27E-56
AKR1B15	mRNA	0.099323907	0.024748643	-0.145288299	0.000988651
JPH4	mRNA	-0.33967129	2.89E-15	0.333092806	1.05E-14
LMO3	mRNA	-0.5606076	1.25E-43	0.634277684	7.22E-59
ADRA1A	mRNA	-0.50361777	3.24E-34	0.507015527	9.95E-35
HAP1	mRNA	0.173444242	8.11E-05	-0.284281479	5.91E-11
SFTPB	mRNA	-0.77791636	8.87E-105	0.837827682	6.75E-136
CPA3	mRNA	-0.59537851	2.48E-50	0.689840635	2.01E-73
SLC44A5	mRNA	0.263976187	1.36E-09	-0.295362635	9.56E-12
ACRV1	mRNA	0.27002259	5.48E-10	-0.312930737	4.51E-13
MAST1	mRNA	0.206477994	2.52E-06	-0.251904964	7.75E-09
B3GNT7	mRNA	-0.36329687	2.18E-17	0.43967931	1.44E-25
HPSE2	mRNA	-0.45940181	4.81E-28	0.460252495	3.73E-28
FOXD1	mRNA	0.289877675	2.38E-11	-0.36558688	1.33E-17
PIEZO2	mRNA	-0.56498145	1.98E-44	0.637736783	1.09E-59
ACSM5	mRNA	-0.61405544	2.78E-54	0.712913043	1.76E-80
DLK2	mRNA	0.243098731	2.61E-08	-0.301851949	3.17E-12
GBP6	mRNA	0.216894839	7.42E-07	-0.35407308	1.54E-16
SULT1A2	mRNA	-0.52599679	1.06E-37	0.554890526	1.33E-42
CABYR	mRNA	0.166928829	0.000150122	-0.271418891	4.43E-10
PITX2	mRNA	0.127105795	0.00400319	-0.152354114	0.000548719
TMPRSS11E	mRNA	0.126154276	0.004287562	-0.169959674	0.00011306
BAIAP2L2	mRNA	0.214913338	9.40E-07	-0.262982781	1.57E-09
C4BPA	mRNA	-0.72642944	5.96E-85	0.81266891	1.82E-121
EPHB3	mRNA	0.267382812	8.17E-10	-0.35246453	2.16E-16
SLC10A2	mRNA	-0.52649267	8.83E-38	0.512800405	1.29E-35
FCRL6	mRNA	-0.5861205	1.81E-48	0.684854142	5.54E-72
RCOR2	mRNA	0.188193971	1.85E-05	-0.254395492	5.45E-09
PLPP4	mRNA	0.206303642	2.57E-06	-0.132280211	0.002734673
CYBB	mRNA	-0.60636906	1.26E-52	0.716523302	1.19E-81
PCDHAC2	mRNA	-0.60837193	4.73E-53	0.625840326	6.50E-57
SH2D5	mRNA	0.165189235	0.000176266	-0.21735494	7.02E-07
VANGL2	mRNA	0.310910125	6.48E-13	-0.422972309	1.35E-23

UGT1A6	mRNA	0.235500409	7.19E-08	-0.357460563	7.57E-17
PIGX	mRNA	0.283817214	6.36E-11	-0.440515117	1.14E-25
ASNS	mRNA	0.211025312	1.49E-06	-0.311928988	5.40E-13
LHX2	mRNA	0.12685042	0.004077785	-0.151923173	0.000569199
LY6K	mRNA	0.184636366	2.67E-05	-0.214327787	1.01E-06
PLA2G10	mRNA	-0.4979473	2.26E-33	0.518320213	1.78E-36
TNFRSF18	mRNA	0.219607389	5.35E-07	-0.301099473	3.61E-12
MEOX2	mRNA	-0.55515711	1.19E-42	0.629729615	8.31E-58
KREMEN2	mRNA	0.101346879	0.021947845	-0.083300751	0.059876865
GSDMC	mRNA	0.223255616	3.42E-07	-0.26898698	6.41E-10
NKX1-2	mRNA	0.098597926	0.025826449	-0.115283025	0.009098572
PDE4C	mRNA	-0.5193186	1.24E-36	0.564752835	2.19E-44
B3GNT4	mRNA	0.261572273	1.93E-09	-0.355673386	1.10E-16
AQP9	mRNA	-0.57599441	1.70E-46	0.665720897	1.02E-66
SALL4	mRNA	0.168865358	0.000125318	-0.145194949	0.0009962
RAD51AP2	mRNA	0.233034535	9.91E-08	-0.282282989	8.14E-11
PMAIP1	mRNA	0.259796005	2.51E-09	-0.290085437	2.30E-11
VSNL1	mRNA	0.269751129	5.71E-10	-0.380573781	4.67E-19
BCL11A	mRNA	0.217820891	6.64E-07	-0.290842487	2.03E-11
ANKRD18B	mRNA	0.254388821	5.45E-09	-0.347798765	5.63E-16
PTX3	mRNA	-0.24808724	1.32E-08	0.265731087	1.05E-09
REN	mRNA	-0.5386409	8.70E-40	0.59102298	1.90E-49
GJA3	mRNA	0.201125571	4.60E-06	-0.278801064	1.41E-10
IL7R	mRNA	-0.57775194	7.81E-47	0.693276685	1.97E-74
SERPINB13	mRNA	0.175583396	6.60E-05	-0.228441675	1.78E-07
CACNA1B	mRNA	0.196539402	7.62E-06	-0.329068361	2.27E-14
CTHRC1	mRNA	0.268546683	6.86E-10	-0.143804041	0.001115175
ERICH2	mRNA	-0.61144292	1.03E-53	0.647728176	4.11E-62
SERPINA1	mRNA	-0.57255861	7.64E-46	0.697851295	8.50E-76
ADAMTS4	mRNA	-0.34786303	5.56E-16	0.400834317	3.82E-21
KRT9	mRNA	0.083510489	0.059233851	-0.108867243	0.013805944
PTPRZ1	mRNA	0.25826408	3.13E-09	-0.38672098	1.13E-19
SLC5A4	mRNA	-0.42469338	8.57E-24	0.448235683	1.27E-26
EDN1	mRNA	-0.48363311	2.58E-31	0.464851395	9.32E-29
DDO	mRNA	-0.57695987	1.11E-46	0.625985523	6.02E-57
SMO	mRNA	0.292742159	1.48E-11	-0.43642031	3.56E-25
HOXC11	mRNA	0.174707647	7.18E-05	-0.200269539	5.06E-06
ABCB6	mRNA	0.258016534	3.24E-09	-0.382642704	2.90E-19
TMPRSS11F	mRNA	0.14040728	0.001462854	-0.21486343	9.46E-07
IL20RB	mRNA	0.15796714	0.000337489	-0.194470018	9.53E-06
TLR8	mRNA	-0.61646714	8.22E-55	0.70178705	5.42E-77
ESPN	mRNA	0.224916773	2.78E-07	-0.251298408	8.44E-09
ZNF367	mRNA	0.286482447	4.14E-11	-0.411792394	2.47E-22
TENM4	mRNA	0.259704268	2.54E-09	-0.274550867	2.74E-10
CLCA2	mRNA	0.222512976	3.74E-07	-0.274238995	2.88E-10
AWAT2	mRNA	-0.40752556	7.25E-22	0.400061172	4.62E-21
PAK6	mRNA	0.311270288	6.08E-13	-0.37746726	9.48E-19
KCNG1	mRNA	0.182709215	3.25E-05	-0.253851748	5.89E-09
NKX3-2	mRNA	0.147384759	0.000832412	-0.134551812	0.002303639
CMTM2	mRNA	-0.43338275	8.21E-25	0.456938128	1.00E-27
PRDM13	mRNA	0.169364504	0.000119579	-0.266936508	8.73E-10
LMO7DN	mRNA	-0.54947304	1.20E-41	0.524619195	1.77E-37
SPP1	mRNA	0.167699053	0.00013975	-0.19201439	1.24E-05
HIST1H2BG	mRNA	0.195406957	8.61E-06	-0.241142102	3.40E-08
CYS1	mRNA	-0.57758771	8.40E-47	0.601699902	1.22E-51
WNK2	mRNA	0.200471746	4.95E-06	-0.289816553	2.40E-11

SLC6A15	mRNA	0.132642355	0.002661369	-0.164896062	0.000181072
SH2D1B	mRNA	-0.52782524	5.37E-38	0.562162237	6.52E-44
A2ML1	mRNA	0.141711865	0.001318976	-0.171589789	9.69E-05
COL11A1	mRNA	0.167852107	0.000137771	-0.091808094	0.038018882
HOXD10	mRNA	0.164527205	0.000187293	-0.224711103	2.85E-07
FAM83A	mRNA	0.153028827	0.000518025	-0.113213907	0.010430913
BDH1	mRNA	0.274710798	2.67E-10	-0.423033243	1.33E-23
LHFPL3	mRNA	-0.62671472	4.10E-57	0.607420947	7.55E-53
FRMD6	mRNA	0.283380904	6.83E-11	-0.330794791	1.63E-14
GLOD5	mRNA	-0.57375994	4.53E-46	0.644254318	2.93E-61
GAL	mRNA	0.101223019	0.022111065	-0.130081347	0.003220646
SRD5A1	mRNA	0.204037738	3.32E-06	-0.200050727	5.18E-06
ADM2	mRNA	0.234359621	8.34E-08	-0.254977061	5.02E-09
COL6A5	mRNA	-0.52506261	1.50E-37	0.606230769	1.35E-52
AKR1B10	mRNA	0.173853055	7.80E-05	-0.286704778	3.99E-11
AGTR2	mRNA	-0.52268189	3.62E-37	0.599189209	4.07E-51
SLC22A10	mRNA	-0.5072682	9.11E-35	0.520760175	7.32E-37
IRX4	mRNA	0.124886399	0.004694843	-0.1476086	0.000817155
PHGDH	mRNA	0.247220435	1.49E-08	-0.337265333	4.65E-15
BMP5	mRNA	-0.43211475	1.16E-24	0.469658763	2.14E-29
DMRT1	mRNA	0.116360226	0.008466768	-0.165833988	0.000166114
ETV4	mRNA	0.224259496	3.02E-07	-0.329666725	2.03E-14
ARHGEF38	mRNA	-0.58173534	1.32E-47	0.70425058	9.44E-78
B4GALNT1	mRNA	0.196479904	7.67E-06	-0.303984151	2.19E-12
EGLN3	mRNA	0.204799678	3.04E-06	-0.231182468	1.26E-07
IL13	mRNA	-0.31268333	4.72E-13	0.364010902	1.87E-17
RANBP3L	mRNA	-0.45846746	6.35E-28	0.48863649	5.05E-32
FGF18	mRNA	-0.41822122	4.71E-23	0.507528612	8.32E-35
NMU	mRNA	0.124990494	0.004660134	-0.162058554	0.000234373
MAOB	mRNA	-0.48469352	1.83E-31	0.487220179	8.03E-32
YBX2	mRNA	0.169990411	0.000112733	-0.202274353	4.05E-06
HIST1H3B	mRNA	0.148263982	0.000773958	-0.183336806	3.05E-05
PLEKHN1	mRNA	0.239781944	4.08E-08	-0.236603789	6.22E-08
NKAIN2	mRNA	0.176343726	6.12E-05	-0.276004172	2.19E-10
TPD52L1	mRNA	0.224393104	2.97E-07	-0.307784171	1.13E-12
WASF1	mRNA	0.231597042	1.19E-07	-0.356829062	8.65E-17
CAGE1	mRNA	0.209323353	1.81E-06	-0.288134133	3.16E-11
FBXO27	mRNA	0.204554158	3.13E-06	-0.299841741	4.48E-12
DNALI1	mRNA	-0.27644074	2.04E-10	0.299230297	4.97E-12
STXBP6	mRNA	-0.60072681	1.95E-51	0.549605761	1.14E-41
TMEM158	mRNA	0.197019827	7.23E-06	-0.293285186	1.35E-11
C10orf99	mRNA	0.134123307	0.002379864	-0.179506018	4.48E-05
HIST1H2AI	mRNA	0.185519224	2.44E-05	-0.212715096	1.22E-06
RAB3B	mRNA	0.149177667	0.000717257	-0.214553125	9.82E-07
ALKAL2	mRNA	-0.41471172	1.17E-22	0.404535531	1.53E-21
LGR4	mRNA	0.251425388	8.29E-09	-0.253370802	6.30E-09
AL645922.1	mRNA	-0.53461439	4.11E-39	0.63765749	1.14E-59
SEMA4B	mRNA	0.254433592	5.42E-09	-0.288096301	3.18E-11
ANKRD22	mRNA	0.262117356	1.79E-09	-0.236143078	6.61E-08
ITIH5	mRNA	-0.31927164	1.43E-13	0.357918316	6.87E-17
CAMP	mRNA	-0.3143385	3.50E-13	0.345436145	9.11E-16
DCSTAMP	mRNA	-0.47788395	1.63E-30	0.530304842	2.11E-38
ITPKA	mRNA	0.099044487	0.025158788	-0.081341653	0.066166254
PODXL2	mRNA	0.23831772	4.96E-08	-0.283758632	6.42E-11
SMCO2	mRNA	0.205428037	2.84E-06	-0.256300575	4.15E-09
ADH1A	mRNA	-0.50465438	2.26E-34	0.486540809	1.00E-31

ROS1	mRNA	-0.63218815	2.23E-58	0.742756328	1.01E-90
KCNK17	mRNA	-0.46831238	3.23E-29	0.567737235	6.13E-45
IGFL4	mRNA	0.151553421	0.000587334	-0.184947571	2.59E-05
GPC2	mRNA	0.172306353	9.05E-05	-0.203071949	3.70E-06
SIGLEC5	mRNA	-0.47610457	2.86E-30	0.585174969	2.79E-48
FAM83C	mRNA	0.17667525	5.93E-05	-0.273200827	3.37E-10
PPFIA4	mRNA	0.203792757	3.41E-06	-0.285689643	4.71E-11
MAP6D1	mRNA	0.148216252	0.000777031	-0.20048452	4.94E-06
FOXL2	mRNA	0.14287452	0.001201844	-0.217727442	6.71E-07
RBBP8NL	mRNA	0.078714409	0.075442429	-0.10974565	0.013055171
SOX21	mRNA	0.222522514	3.74E-07	-0.339566867	2.95E-15
AQP7	mRNA	-0.38454891	1.87E-19	0.405502975	1.20E-21
DSC2	mRNA	0.23004141	1.46E-07	-0.287373733	3.58E-11
HR	mRNA	0.186605604	2.18E-05	-0.260841923	2.15E-09
GCLC	mRNA	0.20681894	2.42E-06	-0.341511708	2.00E-15
DEPDC7	mRNA	0.227376223	2.04E-07	-0.254969068	5.02E-09
CD163	mRNA	-0.49616889	4.11E-33	0.600668242	2.01E-51
EFS	mRNA	0.297357659	6.83E-12	-0.427577621	3.96E-24
RPL3L	mRNA	0.171729731	9.56E-05	-0.215094823	9.20E-07
FAM181B	mRNA	0.210916128	1.51E-06	-0.277354752	1.77E-10
KRT34	mRNA	0.119314596	0.00692999	-0.165444244	0.000172183
ADAM29	mRNA	-0.41576256	8.90E-23	0.439568608	1.48E-25
CA9	mRNA	0.093158426	0.035265382	-0.105998939	0.016528697
HIST1H2AE	mRNA	0.184493767	2.71E-05	-0.240718193	3.60E-08
NKX2-1	mRNA	-0.4706336	1.58E-29	0.553568856	2.29E-42
DMRTA2	mRNA	0.206219668	2.59E-06	-0.279580923	1.25E-10
HOXD12	mRNA	0.168796618	0.000126128	-0.256718442	3.91E-09
PERM1	mRNA	0.239413591	4.29E-08	-0.246426535	1.66E-08
LIPN	mRNA	-0.47783934	1.65E-30	0.486560495	9.97E-32
PLAC1	mRNA	0.14880451	0.000739933	-0.206590045	2.48E-06
TCIM	mRNA	-0.4796503	9.27E-31	0.559296065	2.16E-43
HOXC8	mRNA	0.207986179	2.12E-06	-0.270698384	4.95E-10
MUC1	mRNA	-0.49564736	4.90E-33	0.59380961	5.19E-50
HRASLS	mRNA	0.196553696	7.61E-06	-0.286318441	4.25E-11
IGSF1	mRNA	0.066387948	0.133951829	-0.100622415	0.022917539
ONECUT2	mRNA	0.167055272	0.000148371	-0.183379845	3.04E-05
IQCM	mRNA	0.175261834	6.80E-05	-0.23279601	1.02E-07
KRT31	mRNA	0.060435018	0.172550673	-0.081863983	0.064438552
MMP1	mRNA	0.11300555	0.010574228	-0.076876477	0.082540726
HRCT1	mRNA	-0.44855987	1.16E-26	0.440689792	1.08E-25
AC119396.1	mRNA	-0.32178902	8.95E-14	0.384059594	2.09E-19
INSC	mRNA	-0.43213482	1.15E-24	0.449989167	7.65E-27
GRAPL	mRNA	-0.48894954	4.55E-32	0.583345862	6.39E-48
HIST1H2AD	mRNA	0.177609302	5.41E-05	-0.201412609	4.45E-06
HIST1H3D	mRNA	0.186407801	2.23E-05	-0.219824924	5.21E-07
RHBDL1	mRNA	0.206812929	2.42E-06	-0.230222659	1.42E-07
AHSP	mRNA	-0.47409589	5.37E-30	0.479683821	9.18E-31
HLA-DRB5	mRNA	-0.46602041	6.53E-29	0.57064068	1.76E-45
STX1A	mRNA	0.226912285	2.16E-07	-0.197199662	7.09E-06
MYH2	mRNA	-0.28319896	7.03E-11	0.284701157	5.52E-11
CHAC2	mRNA	0.247186206	1.50E-08	-0.371188188	3.88E-18
IGSF10	mRNA	-0.52740639	6.28E-38	0.47695836	2.18E-30
STARD5	mRNA	0.271175784	4.60E-10	-0.292510757	1.54E-11
TRHDE	mRNA	-0.50422379	2.63E-34	0.521396202	5.80E-37
ERO1A	mRNA	0.235285515	7.39E-08	-0.254658203	5.25E-09
CFTR	mRNA	-0.34187248	1.87E-15	0.370649638	4.37E-18

KRT78	mRNA	0.136215804	0.00202831	-0.170460973	0.00010783
PROM2	mRNA	0.208822369	1.92E-06	-0.196361495	7.77E-06
SIM2	mRNA	0.227358321	2.05E-07	-0.301627551	3.29E-12
KCTD16	mRNA	-0.39550513	1.40E-20	0.448453165	1.19E-26
DMBT1	mRNA	-0.46603921	6.49E-29	0.536395185	2.07E-39
FADS6	mRNA	0.173813243	7.83E-05	-0.277072249	1.85E-10
TGM5	mRNA	0.128608668	0.003588677	-0.143532243	0.001139902
KLRF1	mRNA	-0.48976377	3.48E-32	0.502732808	4.40E-34
PLIN5	mRNA	-0.50352622	3.34E-34	0.607182483	8.49E-53
SLC4A3	mRNA	0.24540405	1.91E-08	-0.272620473	3.69E-10
ITGB8	mRNA	0.286807213	3.93E-11	-0.372169201	3.12E-18
ADGRD2	mRNA	0.125562589	0.004473479	-0.177988067	5.21E-05
ELOVL4	mRNA	0.214767179	9.57E-07	-0.290540614	2.13E-11
RXFP1	mRNA	-0.26980469	5.67E-10	0.284734328	5.49E-11
MSI1	mRNA	0.21562137	8.64E-07	-0.30603268	1.53E-12
TMPRSS11D	mRNA	0.147274284	0.000840039	-0.198932967	5.86E-06
B4GALT4	mRNA	0.224564464	2.90E-07	-0.312940251	4.51E-13
CGREF1	mRNA	0.195910069	8.16E-06	-0.258816878	2.89E-09
HOXB7	mRNA	0.293248927	1.36E-11	-0.409278302	4.67E-22
EMX1	mRNA	0.163387923	0.000207796	-0.240288776	3.81E-08
AKR1C2	mRNA	0.189778843	1.57E-05	-0.318237544	1.72E-13
CHODL	mRNA	0.188986312	1.70E-05	-0.302256436	2.96E-12
HIST1H3G	mRNA	0.125950596	0.004350758	-0.166880643	0.000150794
ANO5	mRNA	-0.57672829	1.23E-46	0.606495689	1.19E-52
FEZF1	mRNA	0.147127956	0.00085024	-0.229975123	1.47E-07
CRABP2	mRNA	0.16298339	0.000215569	-0.139770662	0.001538179
CXCR2	mRNA	-0.4400647	1.29E-25	0.457569731	8.30E-28
MASP1	mRNA	-0.27105175	4.69E-10	0.267734617	7.75E-10
HIST1H3J	mRNA	0.173489583	8.08E-05	-0.217767955	6.68E-07
MAP3K15	mRNA	-0.41493684	1.10E-22	0.389983603	5.22E-20
LGALS7B	mRNA	0.108782213	0.013880599	-0.110522422	0.012421503
TMPRSS11A	mRNA	0.12232954	0.005624051	-0.175232344	6.82E-05
C9orf152	mRNA	-0.45740923	8.70E-28	0.502714549	4.42E-34
SCN8A	mRNA	0.226295669	2.34E-07	-0.276112899	2.15E-10
HIST1H2AG	mRNA	0.215325994	8.95E-07	-0.260516537	2.26E-09
SLC1A4	mRNA	0.243253891	2.56E-08	-0.332821504	1.11E-14
KRT13	mRNA	0.119287729	0.006942758	-0.169348895	0.000119755
EN1	mRNA	0.141503277	0.001341069	-0.198039031	6.47E-06
XDH	mRNA	0.150505799	0.00064167	-0.12024044	0.006502665
PDZD2	mRNA	-0.458196	6.89E-28	0.499069899	1.54E-33
TRIM45	mRNA	0.243311286	2.54E-08	-0.350731973	3.09E-16
CMA1	mRNA	-0.44359422	4.77E-26	0.502011914	5.63E-34
H2BFWT	mRNA	0.153066591	0.000516355	-0.242330532	2.90E-08
CCDC185	mRNA	0.194465066	9.53E-06	-0.278230184	1.54E-10
PAX9	mRNA	0.141956984	0.001293441	-0.188200301	1.85E-05
MLLT11	mRNA	0.22285233	3.59E-07	-0.294972574	1.02E-11
DMBX1	mRNA	0.131479572	0.002903305	-0.140870855	0.001410153
SMOX	mRNA	0.217153089	7.19E-07	-0.253763446	5.96E-09
CD40LG	mRNA	-0.465557	7.52E-29	0.587348278	1.04E-48
JAG1	mRNA	0.193809462	1.02E-05	-0.250712806	9.16E-09
HSPB1	mRNA	0.258364972	3.08E-09	-0.35552173	1.14E-16
CAMK2N2	mRNA	0.144910654	0.001019521	-0.170722587	0.000105192
SPOCK1	mRNA	0.186383278	2.23E-05	-0.170572657	0.000106696
GAST	mRNA	0.114596831	0.009522603	-0.201370699	4.48E-06
PPM1J	mRNA	0.247900528	1.35E-08	-0.328585145	2.49E-14
IGF2BP1	mRNA	0.162382368	0.000227621	-0.224390367	2.97E-07



OVCH2	mRNA	-0.4977815	2.39E-33	0.556489085	6.91E-43
CNGB3	mRNA	0.215133928	9.16E-07	-0.271701482	4.25E-10
DAO	mRNA	-0.36920597	6.01E-18	0.43348259	7.99E-25
SLC22A31	mRNA	-0.5274504	6.17E-38	0.648951079	2.04E-62
HSPA4L	mRNA	0.278463014	1.49E-10	-0.392092715	3.17E-20
SLC4A11	mRNA	0.201797376	4.27E-06	-0.306156559	1.50E-12
GLP2R	mRNA	-0.33354015	9.62E-15	0.351094096	2.86E-16
UCHL1	mRNA	0.192413492	1.19E-05	-0.290974124	1.99E-11
CNTNAP2	mRNA	0.165230584	0.000175598	-0.261055736	2.09E-09
NPSR1	mRNA	0.065719148	0.137923649	-0.117173874	0.00801579
NUDT8	mRNA	0.257558662	3.47E-09	-0.392287598	3.02E-20
TRPV4	mRNA	0.278104743	1.58E-10	-0.398792926	6.30E-21
ASB11	mRNA	-0.4492009	9.61E-27	0.473340239	6.81E-30
GREM2	mRNA	-0.48377657	2.46E-31	0.52217228	4.36E-37
PTPRH	mRNA	0.181722866	3.59E-05	-0.172835217	8.60E-05
MAB21L2	mRNA	-0.42309142	1.31E-23	0.41641381	7.52E-23
ISL2	mRNA	0.244554797	2.14E-08	-0.327862639	2.86E-14
PSPH	mRNA	0.121215647	0.006078253	-0.174099995	7.62E-05
HIST1H2AM	mRNA	0.177605434	5.41E-05	-0.224777665	2.83E-07
HIST3H2A	mRNA	0.152797828	0.000528349	-0.19568847	8.35E-06
UGT1A1	mRNA	0.189283466	1.65E-05	-0.278358667	1.51E-10
MMP3	mRNA	0.086609602	0.050380362	-0.075565608	0.08792597
ERVMER34-1	mRNA	0.138942797	0.001641459	-0.179481445	4.49E-05
ATP2A1	mRNA	0.244693071	2.10E-08	-0.335400465	6.70E-15
CCDC178	mRNA	-0.3879477	8.44E-20	0.387716724	8.91E-20
HOXC10	mRNA	0.159184543	0.000303066	-0.18440608	2.74E-05
EN2	mRNA	0.141478371	0.00134373	-0.19904686	5.79E-06
HIST1H2BO	mRNA	0.118282201	0.007436009	-0.152686447	0.000533395
PROK2	mRNA	-0.42101471	2.27E-23	0.452291629	3.92E-27
ZNF280A	mRNA	0.149755985	0.000683383	-0.203424224	3.56E-06
SPTSSB	mRNA	0.12452231	0.004818087	-0.137633342	0.001817876
VAX1	mRNA	0.164569303	0.000186573	-0.23255267	1.05E-07
IGFBP2	mRNA	0.195113996	8.89E-06	-0.256239529	4.19E-09
FAM84A	mRNA	0.244997596	2.02E-08	-0.338241923	3.84E-15
ASIC1	mRNA	0.26147146	1.96E-09	-0.373181495	2.49E-18
KRT75	mRNA	0.057119103	0.197368351	-0.04725159	0.286370951
PLCH2	mRNA	0.189961335	1.54E-05	-0.176457833	6.06E-05
MTCL1	mRNA	0.25841602	3.06E-09	-0.353999306	1.57E-16
VCX	mRNA	0.152481604	0.000542793	-0.187906727	1.91E-05
NGEF	mRNA	0.208366458	2.03E-06	-0.239339384	4.33E-08
SULT4A1	mRNA	0.17049986	0.000107434	-0.195457239	8.57E-06
SCNN1B	mRNA	-0.54907474	1.41E-41	0.594650566	3.50E-50
CTSG	mRNA	-0.41407619	1.37E-22	0.49771799	2.44E-33
FOXI3	mRNA	0.069978642	0.11411781	-0.09123805	0.039234852
ACP7	mRNA	0.131898724	0.002813877	-0.19054105	1.45E-05
HIST1H2BF	mRNA	0.168427108	0.000130568	-0.194972674	9.03E-06
MMP10	mRNA	0.10924177	0.013481309	-0.06292436	0.155506109
SIX2	mRNA	0.180889786	3.90E-05	-0.251716125	7.96E-09
FOXL2NB	mRNA	0.117880419	0.007641705	-0.177558403	5.44E-05
DPF1	mRNA	0.148685991	0.000747272	-0.213332286	1.13E-06
TIMP3	mRNA	-0.47665797	2.40E-30	0.564679164	2.25E-44
MAS1L	mRNA	-0.51492629	6.05E-36	0.599774408	3.08E-51
TMEM130	mRNA	-0.32911676	2.25E-14	0.404535861	1.53E-21
FAM180B	mRNA	-0.42647258	5.33E-24	0.416949522	6.55E-23
KRT77	mRNA	0.080398211	0.069383238	-0.138001935	0.001766538
PLOD2	mRNA	0.239671088	4.14E-08	-0.238301393	4.97E-08

FOXN1	mRNA	0.160913635	0.000259778	-0.218709605	5.96E-07
SMTNL2	mRNA	-0.33632858	5.59E-15	0.361370197	3.29E-17
ZNF750	mRNA	0.235950194	6.77E-08	-0.342161644	1.76E-15
FCER1A	mRNA	-0.46647716	5.68E-29	0.559129899	2.32E-43
FST	mRNA	0.144328028	0.001068896	-0.225567018	2.56E-07
UNC45B	mRNA	-0.1924875	1.18E-05	0.19585001	8.21E-06
TMEM63C	mRNA	0.178976734	4.73E-05	-0.193013007	1.11E-05
STRA6	mRNA	0.137225252	0.001876308	-0.094481476	0.032733967
KRT33A	mRNA	0.034464422	0.436921654	-0.050675591	0.252844819
OR51E1	mRNA	0.219699883	5.29E-07	-0.159440506	0.000296259
BMX	mRNA	-0.36846892	7.06E-18	0.360576762	3.90E-17
CCL26	mRNA	0.11921325	0.006978262	-0.194021786	1.00E-05
HPCA	mRNA	0.171071154	0.000101771	-0.181169403	3.80E-05
NUDT11	mRNA	0.228478966	1.78E-07	-0.32793444	2.82E-14
RORC	mRNA	-0.48437737	2.03E-31	0.590680497	2.23E-49
CSTA	mRNA	0.18175496	3.58E-05	-0.269208875	6.20E-10
DPP6	mRNA	-0.26668289	9.07E-10	0.273051841	3.45E-10
TUBB3	mRNA	0.185993704	2.33E-05	-0.11069785	0.012282211
RGS13	mRNA	-0.23981245	4.06E-08	0.304676857	1.94E-12
LYPD6B	mRNA	0.203653564	3.47E-06	-0.294453416	1.11E-11
HIST1H2BD	mRNA	0.239508126	4.23E-08	-0.284339332	5.85E-11
PLAU	mRNA	0.195861995	8.20E-06	-0.155531738	0.00041756
ARSH	mRNA	0.14249412	0.001239069	-0.113188095	0.010448574
ANKRD13B	mRNA	0.23526279	7.41E-08	-0.359342377	5.08E-17
RGS7BP	mRNA	-0.52963619	2.72E-38	0.561726664	7.83E-44
SLC7A11	mRNA	0.181392394	3.71E-05	-0.290822196	2.04E-11
PADI1	mRNA	0.090211976	0.041506607	-0.117116724	0.008046752
DIO2	mRNA	0.147724576	0.000809352	-0.124346879	0.004878506
KRT3	mRNA	0.090805966	0.040178334	-0.139753382	0.001540272
SUSD4	mRNA	0.253059648	6.59E-09	-0.360524071	3.95E-17
SERPINB4	mRNA	0.10096191	0.0224586	-0.098218423	0.026405803
PRR5-ARHGAP8	mRNA	0.229268907	1.61E-07	-0.313775989	3.88E-13
PRTG	mRNA	-0.2920665	1.66E-11	0.335949285	6.02E-15
SYT12	mRNA	0.118506204	0.007323491	-0.061562993	0.164662314
RAB26	mRNA	0.20289918	3.77E-06	-0.209931702	1.69E-06
CDHR1	mRNA	0.182609316	3.28E-05	-0.280613701	1.06E-10
RGMA	mRNA	0.19624452	7.86E-06	-0.312765267	4.65E-13
GIPC2	mRNA	-0.42045104	2.63E-23	0.424792872	8.35E-24
GDA	mRNA	0.152727435	0.000531533	-0.234486977	8.20E-08
ACVR1C	mRNA	0.229253188	1.61E-07	-0.29924207	4.96E-12
GRK7	mRNA	0.133413428	0.002511221	-0.192108943	1.23E-05
SRSF12	mRNA	0.234812703	7.86E-08	-0.310012192	7.60E-13
C2CD4B	mRNA	-0.32238733	8.01E-14	0.36070239	3.80E-17
SPRR2A	mRNA	0.135868792	0.002083111	-0.206461248	2.52E-06
HIST1H3F	mRNA	0.069473406	0.116760421	-0.108484158	0.014145099
KIAA1549L	mRNA	0.161170355	0.000253867	-0.239082386	4.48E-08
CREG2	mRNA	0.192825726	1.14E-05	-0.239571328	4.20E-08
KIR2DL1	mRNA	-0.52049556	8.07E-37	0.561497086	8.62E-44
UGT1A3	mRNA	0.203877772	3.38E-06	-0.310037832	7.57E-13
SIX1	mRNA	0.250754281	9.11E-09	-0.301331477	3.47E-12
SLC6A13	mRNA	-0.39318637	2.44E-20	0.365537255	1.34E-17
STEAP1	mRNA	0.21430614	1.01E-06	-0.262550733	1.67E-09
TDRD5	mRNA	0.22576676	2.50E-07	-0.297099476	7.13E-12
IL33	mRNA	-0.48177111	4.70E-31	0.534811746	3.81E-39
HOXC9	mRNA	0.202889609	3.78E-06	-0.246543857	1.63E-08
TLX2	mRNA	0.129519988	0.003356685	-0.208670501	1.96E-06

NRIP3	mRNA	0.21216736	1.30E-06	-0.244539886	2.15E-08
C1QL1	mRNA	0.13874112	0.001667565	-0.154062768	0.00047407
SULT1C4	mRNA	-0.41222394	2.21E-22	0.45753115	8.39E-28
CIB4	mRNA	-0.4598456	4.21E-28	0.489107113	4.32E-32
DYNC1I1	mRNA	0.184252588	2.78E-05	-0.243546027	2.46E-08
MAGEA3	mRNA	0.165427631	0.000172447	-0.233078226	9.85E-08
PANX2	mRNA	0.194685363	9.31E-06	-0.287961534	3.25E-11
DEFB126	mRNA	0.171425212	9.84E-05	-0.235985104	6.74E-08
EYA2	mRNA	0.220001065	5.10E-07	-0.208072202	2.10E-06
CARD18	mRNA	0.077591129	0.079719046	-0.097772161	0.027101366
WSCD1	mRNA	-0.28913409	2.69E-11	0.309107931	8.93E-13
MAGEA9B	mRNA	0.176529607	6.01E-05	-0.229999729	1.46E-07
HS6ST2	mRNA	0.23507613	7.60E-08	-0.320077126	1.23E-13
MAGEA6	mRNA	0.171868838	9.43E-05	-0.243567907	2.45E-08
KRT19	mRNA	0.281215595	9.64E-11	-0.390420724	4.71E-20
COCH	mRNA	0.167884913	0.00013735	-0.266983555	8.67E-10
SLC25A48	mRNA	0.133284932	0.002535694	-0.189128373	1.68E-05
C1QTNF12	mRNA	0.126870273	0.004071942	-0.164106909	0.000194626
FUT2	mRNA	0.20385677	3.39E-06	-0.212554459	1.24E-06
LRP8	mRNA	0.242286774	2.92E-08	-0.353705313	1.67E-16
SLC29A4	mRNA	0.180018586	4.26E-05	-0.245059763	2.00E-08
MDFI	mRNA	0.231876239	1.15E-07	-0.208872832	1.91E-06
COL10A1	mRNA	0.188944798	1.71E-05	-0.076008314	0.08607653
LRCOL1	mRNA	-0.45785763	7.62E-28	0.529295722	3.09E-38
NFE2	mRNA	-0.35852861	6.04E-17	0.406563154	9.23E-22
MYEOV	mRNA	0.081746269	0.064824637	-0.079748658	0.071671696
KISS1R	mRNA	0.152313424	0.000550623	-0.143532588	0.00113987
OGDHL	mRNA	0.16771729	0.000139513	-0.23369215	9.10E-08
NPBWR1	mRNA	0.107437649	0.015109237	-0.13475045	0.002269066
FCAR	mRNA	-0.40677107	8.77E-22	0.475066432	3.96E-30
GRIP1	mRNA	0.195166674	8.84E-06	-0.235004785	7.67E-08
PRRX2	mRNA	0.221090155	4.46E-07	-0.264380101	1.28E-09
LCN10	mRNA	-0.34132996	2.08E-15	0.424799282	8.33E-24
RD3	mRNA	-0.35591901	1.05E-16	0.402467491	2.56E-21
HOXC6	mRNA	0.199142145	5.73E-06	-0.201751057	4.29E-06
PPP1R27	mRNA	0.176106251	6.27E-05	-0.294732441	1.06E-11
CST4	mRNA	0.074105753	0.094252018	-0.082913168	0.061080305
SLCO6A1	mRNA	0.160935065	0.00025928	-0.165261505	0.0001751
GRTP1	mRNA	0.073728163	0.095946118	-0.107494552	0.015055367
ADAM23	mRNA	0.187957866	1.90E-05	-0.313192536	4.31E-13
C12orf54	mRNA	0.173539537	8.04E-05	-0.204011963	3.33E-06
IGF2BP2	mRNA	0.240463049	3.73E-08	-0.341222271	2.12E-15
GREM1	mRNA	0.19344709	1.06E-05	-0.076876849	0.082539238
AC008878.3	mRNA	-0.39620722	1.18E-20	0.449765441	8.16E-27
TCF24	mRNA	0.060874058	0.169447449	-0.054309357	0.22035755
ZNF670-ZNF695	mRNA	0.25471859	5.20E-09	-0.346849756	6.84E-16
HES2	mRNA	0.17142804	9.84E-05	-0.191233734	1.35E-05
STON2	mRNA	0.252427596	7.20E-09	-0.376223973	1.26E-18
MAGEA4	mRNA	0.155662787	0.000412836	-0.198766506	5.97E-06
GDNF	mRNA	0.126776187	0.004099704	-0.09858332	0.025848542
FAM155B	mRNA	0.191630722	1.29E-05	-0.276613849	1.99E-10
EPOP	mRNA	0.225372863	2.63E-07	-0.32649665	3.71E-14
HIST1H4E	mRNA	0.162907404	0.000217059	-0.211021284	1.49E-06
C9orf84	mRNA	0.188698561	1.76E-05	-0.249330265	1.11E-08
TRIM16L	mRNA	0.187863491	1.92E-05	-0.326338157	3.82E-14
KCNA7	mRNA	0.142581439	0.001230431	-0.123951467	0.0050172

ADAM12	mRNA	0.226287174	2.34E-07	-0.170746027	0.000104958
SNX31	mRNA	0.118978854	0.007091061	-0.160374081	0.000272623
KRT32	mRNA	0.143485226	0.00114423	-0.198610166	6.07E-06
LY6D	mRNA	0.118810145	0.007173256	-0.114564347	0.009543105
PADI3	mRNA	0.119904526	0.006654896	-0.122325797	0.005625524
CYB5R2	mRNA	0.240493005	3.71E-08	-0.363020847	2.31E-17
SERPINE2	mRNA	0.187932488	1.90E-05	-0.210812029	1.52E-06
PCDH19	mRNA	0.155747665	0.000409803	-0.22847131	1.78E-07
IL1RAPL2	mRNA	0.118909343	0.007124824	-0.18526219	2.51E-05
MMP13	mRNA	0.07036584	0.112124544	-0.018221766	0.68112091
SLC22A3	mRNA	-0.39611398	1.21E-20	0.473082424	7.38E-30
CELSR3	mRNA	0.172865977	8.58E-05	-0.170515082	0.000107279
AP3B2	mRNA	0.202351303	4.01E-06	-0.247162486	1.50E-08
TMEM249	mRNA	0.183969265	2.86E-05	-0.184571172	2.69E-05
MAGEA11	mRNA	0.173414588	8.14E-05	-0.263235457	1.51E-09
TLL2	mRNA	0.111332271	0.011789922	-0.073936955	0.095006372
CLEC2L	mRNA	0.163521148	0.000205294	-0.251316613	8.42E-09
CEL	mRNA	0.0769159	0.082382995	-0.118287101	0.007433532
S1PR5	mRNA	0.237299441	5.67E-08	-0.343077719	1.47E-15
CPT1B	mRNA	0.241427942	3.27E-08	-0.300276461	4.15E-12
CYP2S1	mRNA	0.233400043	9.45E-08	-0.323611006	6.37E-14
CSTL1	mRNA	0.137034313	0.001904234	-0.199824604	5.31E-06
APCDD1L	mRNA	0.121082952	0.006134501	-0.087548087	0.04792822
UGT1A7	mRNA	0.126809725	0.004089788	-0.228443594	1.78E-07
LMO1	mRNA	0.120859546	0.006230256	-0.203540375	3.51E-06
HIST1H3H	mRNA	0.172756286	8.67E-05	-0.210698283	1.55E-06
MKRN3	mRNA	0.202516667	3.94E-06	-0.281737116	8.87E-11
PRB3	mRNA	0.040031664	0.366486595	-0.04024189	0.363973128
RAB38	mRNA	0.22121179	4.39E-07	-0.29903702	5.13E-12
CFHR4	mRNA	0.197832787	6.61E-06	-0.256015419	4.32E-09
NCCRP1	mRNA	0.123649415	0.005125531	-0.081248376	0.066478754
SPRR3	mRNA	0.115785667	0.008798717	-0.166702479	0.000153305
NTNG1	mRNA	-0.42784321	3.69E-24	0.459415561	4.79E-28
SGCG	mRNA	-0.40348511	1.99E-21	0.397262342	9.14E-21
NPW	mRNA	0.103698418	0.019041451	-0.097986994	0.026764574
FABP4	mRNA	-0.28020291	1.13E-10	0.268315407	7.10E-10
CALML5	mRNA	0.104325752	0.018325207	-0.09829521	0.026287684
KCNQ5	mRNA	0.188470425	1.80E-05	-0.246999338	1.53E-08
TLX3	mRNA	0.141944513	0.001294729	-0.217877998	6.59E-07
CGB7	mRNA	0.195310054	8.70E-06	-0.23221857	1.10E-07
TMC5	mRNA	-0.48667787	9.59E-32	0.598754279	5.01E-51
HIST1H2BL	mRNA	0.181504584	3.67E-05	-0.250578016	9.34E-09
PLCXD3	mRNA	-0.37387815	2.13E-18	0.478247515	1.45E-30
BTNL3	mRNA	-0.45377595	2.54E-27	0.477503439	1.84E-30
KLHL13	mRNA	0.222203942	3.89E-07	-0.356358203	9.55E-17
VPS37D	mRNA	0.185836591	2.36E-05	-0.265828304	1.03E-09
RDH16	mRNA	0.150048838	0.000666801	-0.13346053	0.002502305
CLCA4	mRNA	0.058983015	0.183115565	-0.041446715	0.349776357
FGF9	mRNA	-0.30632149	1.46E-12	0.308825408	9.38E-13
GALNT16	mRNA	-0.33104954	1.56E-14	0.350725233	3.09E-16
FBN2	mRNA	0.135980881	0.002065264	-0.239353269	4.32E-08
MFAP2	mRNA	0.195615652	8.42E-06	-0.144605335	0.001045127
PRSS57	mRNA	-0.39353585	2.24E-20	0.444286874	3.92E-26
CDKN2A	mRNA	0.206259316	2.58E-06	-0.253345186	6.32E-09
TRIM7	mRNA	0.208395662	2.02E-06	-0.320936404	1.05E-13
WNT7B	mRNA	0.237835871	5.28E-08	-0.293856898	1.23E-11

DMP1	mRNA	0.153168006	0.000511895	-0.196468196	7.68E-06
ADH7	mRNA	0.178613045	4.90E-05	-0.294108257	1.18E-11
CMTM5	mRNA	-0.27492585	2.59E-10	0.27104734	4.69E-10
CIB2	mRNA	0.205416672	2.84E-06	-0.227719769	1.95E-07
FOXH1	mRNA	0.044419029	0.316275219	-0.038337454	0.387134498
PC	mRNA	0.190876111	1.40E-05	-0.269547289	5.89E-10
TENM2	mRNA	0.152601547	0.000537272	-0.194499499	9.50E-06
DSC1	mRNA	0.052763266	0.233795532	-0.064454454	0.145680916
ERVFRD-1	mRNA	-0.24824423	1.29E-08	0.251478206	8.23E-09
LGALS7	mRNA	0.096954273	0.02841714	-0.103924984	0.018780008
CCDC169	mRNA	0.209783865	1.72E-06	-0.274531154	2.75E-10
GRM4	mRNA	0.111685987	0.011523095	-0.086734484	0.050048134
CAPN8	mRNA	-0.43779578	2.43E-25	0.550258631	8.77E-42
ZNF703	mRNA	0.211145335	1.47E-06	-0.316624933	2.31E-13
MEGF10	mRNA	0.127289965	0.003950162	-0.163685823	0.000202241
RHBDL2	mRNA	0.201231973	4.55E-06	-0.198480534	6.16E-06
GLYATL2	mRNA	0.102705531	0.020224952	-0.147306318	0.000837821
PIR	mRNA	0.225323521	2.64E-07	-0.387906336	8.53E-20
TMEM184A	mRNA	0.216572634	7.71E-07	-0.203283164	3.61E-06
NDRG1	mRNA	0.220954965	4.53E-07	-0.301292966	3.49E-12
ADCY10	mRNA	0.122968069	0.005377674	-0.207590016	2.21E-06
COL22A1	mRNA	0.113997642	0.009907145	-0.075820501	0.086857271
CLDN1	mRNA	0.17730858	5.57E-05	-0.210408805	1.60E-06
LCE1C	mRNA	0.110059264	0.012795981	-0.119551703	0.006818222
LIPM	mRNA	0.225227625	2.67E-07	-0.186032405	2.32E-05
SOHLH1	mRNA	0.1233961	0.005218002	-0.164228568	0.000192476
ITIH6	mRNA	0.195064388	8.94E-06	-0.26369572	1.41E-09
FETUB	mRNA	0.110879817	0.012139186	-0.167711026	0.000139594
NETO1	mRNA	0.158429686	0.000324002	-0.072811025	0.10016222
ADGRB3	mRNA	-0.36398896	1.87E-17	0.365603911	1.32E-17
LTB4R	mRNA	0.161422376	0.000248187	-0.249404352	1.10E-08
ATP6V1C2	mRNA	0.115473914	0.008983641	-0.136817636	0.001936385
TRPV3	mRNA	0.175188174	6.85E-05	-0.219604834	5.35E-07
NGB	mRNA	0.063327604	0.152869363	-0.079940572	0.070989227
DIRC1	mRNA	0.178984387	4.72E-05	-0.110054391	0.012799974
CYP26A1	mRNA	0.130471287	0.003129117	-0.189145186	1.68E-05
IGFBP3	mRNA	0.157746745	0.000344097	-0.224263072	3.01E-07
HIST1H2BJ	mRNA	0.143200619	0.001170756	-0.165194268	0.000176185
CCDC177	mRNA	0.107239035	0.015298597	-0.194162668	9.85E-06
MAP7D2	mRNA	0.170165075	0.000110889	-0.23202307	1.13E-07
VTCN1	mRNA	0.151674416	0.000581341	-0.187881379	1.91E-05
CYP4F11	mRNA	0.152463324	0.000543639	-0.276495277	2.03E-10
ZNF556	mRNA	0.18181068	3.56E-05	-0.278134711	1.57E-10
SLC13A5	mRNA	0.076464867	0.084202193	-0.114137559	0.009816136
LTB4R2	mRNA	0.183604307	2.97E-05	-0.261058478	2.08E-09
KRTAP19-1	mRNA	0.079782074	0.071552479	-0.101482701	0.021770064
SLC16A8	mRNA	0.178844967	4.79E-05	-0.225573123	2.56E-07
CAPN14	mRNA	0.096225434	0.029635527	-0.089313214	0.043586786
TMEM213	mRNA	-0.30351444	2.38E-12	0.294809372	1.05E-11
GRIN2D	mRNA	0.173974535	7.71E-05	-0.180638619	4.00E-05
AHNAK2	mRNA	0.20481281	3.04E-06	-0.225137204	2.70E-07
NKX6-1	mRNA	0.162911114	0.000216986	-0.209230607	1.83E-06
TMEM132C	mRNA	-0.44134875	9.00E-26	0.440417793	1.17E-25
TAS2R38	mRNA	0.121661367	0.005892693	-0.16402386	0.000196106
LHFPL1	mRNA	0.189480946	1.62E-05	-0.229270179	1.61E-07
CDH8	mRNA	0.195729696	8.32E-06	-0.237073704	5.84E-08

CA12	mRNA	0.208649465	1.96E-06	-0.286936491	3.85E-11
SLCO1B1	mRNA	0.152251105	0.000553551	-0.198059187	6.45E-06
ERFE	mRNA	0.169787682	0.000114909	-0.259006924	2.81E-09
P2RY12	mRNA	-0.28862504	2.92E-11	0.327904182	2.84E-14
SERPINB12	mRNA	0.058533101	0.186484247	-0.075343725	0.088864854
BARX2	mRNA	0.158771758	0.000314353	-0.148247269	0.000775033
NEB	mRNA	0.201419112	4.45E-06	-0.303408334	2.42E-12
OR7A5	mRNA	0.142947268	0.001194843	-0.207527615	2.23E-06
SLC34A1	mRNA	0.184542884	2.70E-05	-0.258186236	3.17E-09
ULBP2	mRNA	0.176289101	6.16E-05	-0.182705702	3.25E-05
PPP1R17	mRNA	-0.34115922	2.15E-15	0.371933457	3.28E-18
DKK2	mRNA	-0.22915109	1.63E-07	0.25636941	4.11E-09
CRYBB3	mRNA	0.191206625	1.35E-05	-0.302680832	2.75E-12
CNNM1	mRNA	0.206752395	2.44E-06	-0.35161893	2.57E-16
RNASE10	mRNA	0.095036485	0.031719188	-0.153265014	0.000507663
MS4A3	mRNA	-0.3781697	8.09E-19	0.412383408	2.12E-22
AKR1C1	mRNA	0.166090761	0.000162226	-0.284014325	6.17E-11
GFRA1	mRNA	-0.33060406	1.69E-14	0.3736997	2.22E-18
NRARP	mRNA	0.206389335	2.54E-06	-0.334143905	8.56E-15
CBR3	mRNA	0.153044425	0.000517334	-0.24436687	2.20E-08
CXCL14	mRNA	0.14405986	0.001092355	-0.175864891	6.42E-05
SERPINB7	mRNA	0.11232991	0.01105104	-0.092631433	0.036319106
METTL21C	mRNA	-0.43184286	1.25E-24	0.505933362	1.45E-34
SCGB3A2	mRNA	-0.48467926	1.84E-31	0.504320798	2.54E-34
GDPD2	mRNA	0.100036296	0.023729004	-0.116147868	0.008588134
MAGEA10	mRNA	0.118112776	0.007522136	-0.152713456	0.000532168
ABCC1	mRNA	0.206370716	2.55E-06	-0.328891713	2.35E-14
NR2E1	mRNA	0.092809281	0.035960548	-0.120482791	0.006394782
POU3F1	mRNA	0.112550888	0.010893037	-0.095631976	0.030660425
DUSP27	mRNA	-0.28701604	3.80E-11	0.253443975	6.24E-09
NDUFA4L2	mRNA	0.201924165	4.21E-06	-0.29644745	7.96E-12
PPP1R3G	mRNA	0.198363781	6.24E-06	-0.282275828	8.14E-11
SLC6A11	mRNA	0.10385891	0.018855928	-0.10738389	0.015160288
B3GNT3	mRNA	0.167551921	0.000141678	-0.122963821	0.00537928
LPAR3	mRNA	0.233271473	9.61E-08	-0.315878874	2.65E-13
B3GALT2	mRNA	-0.26491795	1.18E-09	0.287750684	3.37E-11
TNNT1	mRNA	0.162878762	0.000217623	-0.167864403	0.000137613
MYADML2	mRNA	0.186955093	2.11E-05	-0.268748827	6.65E-10
ADAD2	mRNA	0.142364372	0.001252006	-0.172602111	8.79E-05
MIOX	mRNA	0.105605077	0.016937102	-0.083839903	0.058235474
STEAP1B	mRNA	0.170278997	0.000109702	-0.237534056	5.50E-08
SLC9A3	mRNA	0.10306165	0.019793303	-0.120095108	0.006568139
DSG4	mRNA	0.078905902	0.074732347	-0.088924456	0.044513395
UGT8	mRNA	0.228846086	1.69E-07	-0.335913381	6.06E-15
ONECUT3	mRNA	0.086826287	0.049805075	-0.132538113	0.002682284
IL23A	mRNA	0.143882841	0.0011081	-0.147736305	0.000808567
COL4A6	mRNA	0.161453139	0.000247502	-0.213277985	1.14E-06
MLIP	mRNA	0.084308855	0.056838272	-0.126044657	0.004321469
CYP24A1	mRNA	0.095065368	0.031667123	-0.033181199	0.454194509
KPRP	mRNA	0.068176801	0.123761645	-0.094720812	0.032293015
MCIDAS	mRNA	0.164537475	0.000187117	-0.205069467	2.95E-06
C10orf55	mRNA	0.190664765	1.43E-05	-0.16909283	0.000122671
NTRK3	mRNA	-0.17750546	5.46E-05	0.211034408	1.49E-06
GADL1	mRNA	-0.31796732	1.81E-13	0.329516343	2.09E-14
ARL9	mRNA	0.18481185	2.63E-05	-0.184843467	2.62E-05
PAX3	mRNA	0.081780856	0.064711001	-0.107254956	0.015283342

SLAMF9	mRNA	0.124147384	0.004948042	-0.151560144	0.000586999
FZD10	mRNA	0.174380994	7.41E-05	-0.266469091	9.37E-10
RGR	mRNA	-0.30796608	1.09E-12	0.334425697	8.10E-15
MED12L	mRNA	0.188876978	1.72E-05	-0.281474583	9.25E-11
TAF7L	mRNA	0.075724374	0.087259072	-0.032504555	0.463454855
LAMA1	mRNA	0.155132321	0.00043227	-0.184411696	2.73E-05
PTPRN	mRNA	0.113918451	0.009958985	-0.081580407	0.065371869
PTGES3L-AARSD	mRNA	0.176688229	5.92E-05	-0.256825298	3.85E-09
CNTNAP5	mRNA	0.080885153	0.067707208	-0.127901496	0.003778616
H2BFM	mRNA	0.138276953	0.001729102	-0.188138624	1.86E-05
KCNH1	mRNA	0.149956953	0.000671963	-0.204223114	3.25E-06
ZAN	mRNA	0.125591087	0.00446436	-0.162780735	0.000219564
FZD9	mRNA	0.125093783	0.004625923	-0.168112255	0.000134467
HIST1H3C	mRNA	0.13554558	0.002135368	-0.179091608	4.67E-05
ATOH7	mRNA	0.158880356	0.000311346	-0.18528316	2.50E-05
OVOL3	mRNA	0.082157703	0.063483442	-0.077185998	0.081308881
OTOP2	mRNA	0.134027915	0.002397143	-0.243733267	2.40E-08
KIR2DL3	mRNA	-0.39765575	8.30E-21	0.436230849	3.75E-25
TP53AIP1	mRNA	0.145098358	0.001004068	-0.182455581	3.34E-05
EEF1A2	mRNA	0.087694741	0.04755422	-0.066408847	0.133829155
FOLR3	mRNA	-0.29181324	1.73E-11	0.302708024	2.73E-12
HIST2H2BF	mRNA	0.136333878	0.002009966	-0.160352197	0.000273156
SPRED3	mRNA	0.083898441	0.058059525	-0.081354747	0.066122485
POF1B	mRNA	0.184946338	2.59E-05	-0.246939291	1.55E-08
LRRC52	mRNA	-0.42205154	1.73E-23	0.494637701	6.88E-33
KHDC1L	mRNA	0.085248125	0.054123371	-0.113723128	0.010087881
HIST1H1B	mRNA	0.127994097	0.003753237	-0.150335358	0.000650939
CILP2	mRNA	0.179258994	4.59E-05	-0.051675121	0.243593999
MPPED1	mRNA	0.102921466	0.019962252	-0.170629591	0.000106122
HELT	mRNA	-0.32189069	8.78E-14	0.305022163	1.83E-12
ASCL2	mRNA	0.182852473	3.20E-05	-0.216593792	7.69E-07
EDDM13	mRNA	0.155346943	0.000424307	-0.233302446	9.57E-08
HEMGN	mRNA	-0.22195466	4.01E-07	0.243406488	2.51E-08
SLC52A1	mRNA	0.190811517	1.41E-05	-0.319209346	1.44E-13
NXF3	mRNA	-0.22389613	3.16E-07	0.226310899	2.33E-07
CARD17	mRNA	0.134354343	0.002338484	-0.18583361	2.36E-05
ST8SIA2	mRNA	0.099590285	0.024363033	-0.117376857	0.00790668
INHBE	mRNA	0.120217683	0.006512878	-0.167237583	0.00014588
CASP14	mRNA	0.05478585	0.216329654	-0.035487828	0.423420632
SLC16A9	mRNA	0.152281208	0.000552135	-0.199338014	5.61E-06
HIST1H2AJ	mRNA	0.166956115	0.000149743	-0.219601558	5.35E-07
HIST1H2BM	mRNA	0.139809534	0.001533479	-0.18820971	1.85E-05
BNC1	mRNA	0.236618076	6.21E-08	-0.299159053	5.03E-12
GCLM	mRNA	0.178653719	4.88E-05	-0.293609665	1.28E-11
KRT37	mRNA	0.046728142	0.291748681	-0.074316875	0.093315271
MYOC	mRNA	-0.19174487	1.27E-05	0.184157137	2.81E-05
WFIKKN2	mRNA	-0.29463848	1.08E-11	0.292991312	1.42E-11
SRXN1	mRNA	0.170350819	0.000108959	-0.272790196	3.59E-10
IGFL3	mRNA	0.052401542	0.23702137	-0.041179805	0.352890828
FAM71F1	mRNA	0.09904016	0.025165186	-0.165335319	0.000173916
ADAM11	mRNA	0.167867417	0.000137574	-0.258627534	2.97E-09
HIST1H4D	mRNA	0.156485171	0.00038431	-0.201158819	4.58E-06
MYCL	mRNA	0.065255101	0.140732261	-0.097890691	0.026915099
IL31RA	mRNA	0.151081075	0.000611281	-0.162576192	0.000223667
ONECUT1	mRNA	0.109060163	0.013637875	-0.120094668	0.006568338
PTGES	mRNA	0.162480342	0.000225614	-0.140039057	0.001505998

DSPP	mRNA	0.170846096	0.000103967	-0.211367946	1.43E-06
SERINC2	mRNA	0.166590014	0.00015491	-0.128420438	0.003638369
SLN	mRNA	-0.31502993	3.09E-13	0.29970936	4.58E-12
HRG	mRNA	0.103617439	0.019135663	-0.182146681	3.44E-05
XG	mRNA	0.178702816	4.86E-05	-0.221165308	4.42E-07
SNCB	mRNA	0.122523404	0.005548196	-0.206443242	2.53E-06
MAGEA1	mRNA	0.132376975	0.002714908	-0.194624856	9.37E-06
C2CD4A	mRNA	0.125552363	0.004476755	-0.10638599	0.016135781
GABRG2	mRNA	0.144507276	0.001053475	-0.150380957	0.000648447
DMRT3	mRNA	0.154489955	0.000456943	-0.27331161	3.32E-10
IL12RB2	mRNA	0.161898078	0.000237788	-0.129459559	0.003371636
ATP10B	mRNA	0.150831337	0.000624306	-0.15902842	0.00030729
MSGN1	mRNA	0.056995131	0.198344273	-0.082574896	0.062146897
MMP28	mRNA	-0.35676432	8.77E-17	0.395819495	1.30E-20
AC107871.1	mRNA	0.207420243	2.26E-06	-0.271502457	4.38E-10
NRCAM	mRNA	0.183340102	3.05E-05	-0.253457963	6.22E-09
HS3ST3A1	mRNA	0.175803771	6.46E-05	-0.203205431	3.64E-06
TBX1	mRNA	0.165138444	0.00017709	-0.217129751	7.21E-07
SLC17A3	mRNA	-0.33570549	6.31E-15	0.364588853	1.65E-17
LEMD1	mRNA	0.14481634	0.001027368	-0.11987617	0.006667891
FOXO6	mRNA	0.14567164	0.0009582	-0.12135448	0.0060199
CYP4F3	mRNA	0.150981457	0.000616446	-0.269894847	5.59E-10
LYPD1	mRNA	0.116465041	0.008407431	-0.071570351	0.106098493
SMC1B	mRNA	0.110343261	0.012565197	-0.112632728	0.010835029
UGT1A4	mRNA	0.164021006	0.000196157	-0.279835908	1.20E-10
MAGEB6	mRNA	0.102198584	0.020853533	-0.173236981	8.28E-05
SLC6A2	mRNA	0.10026429	0.023410446	-0.071272864	0.10756244
HTR7	mRNA	0.138665636	0.001677434	-0.148194013	0.000778467
CRYM	mRNA	-0.2523155	7.31E-09	0.276491875	2.03E-10
AARD	mRNA	-0.24905916	1.15E-08	0.269821073	5.65E-10
MYO3B	mRNA	0.121671792	0.005888415	-0.093504326	0.034587989
TP73	mRNA	0.193435458	1.06E-05	-0.197120152	7.15E-06
ATP4A	mRNA	0.079948122	0.070962489	-0.134863241	0.002249646
CYP27C1	mRNA	0.130294411	0.003170337	-0.066058102	0.135899532
LCE1F	mRNA	0.067660763	0.126637309	-0.125720659	0.004423111
ARHGEF4	mRNA	0.199433522	5.55E-06	-0.270093105	5.42E-10
FGFBP1	mRNA	0.165851926	0.00016584	-0.286148884	4.37E-11
HBD	mRNA	-0.33901909	3.29E-15	0.376226663	1.26E-18
ADAMTSL5	mRNA	0.201598318	4.36E-06	-0.253039366	6.60E-09
NEFL	mRNA	0.098624711	0.025785976	-0.150089754	0.000664514
LCE3A	mRNA	0.062310943	0.159582933	-0.07255459	0.101367038
HIST1H2AL	mRNA	0.147205475	0.000844822	-0.18476213	2.64E-05
CALML6	mRNA	0.090114821	0.041727354	-0.100456809	0.023144343
GOLGA6L2	mRNA	0.116254349	0.008527086	-0.161435525	0.000247894
HIST1H1D	mRNA	0.147639852	0.000815045	-0.148096305	0.000784804
KCP	mRNA	0.14987578	0.000676554	-0.155182386	0.0004304
EMILIN3	mRNA	0.13269416	0.00265103	-0.224515054	2.92E-07
KRT10	mRNA	0.053541418	0.22696147	-0.044524603	0.315125242
DMRT2	mRNA	0.15789352	0.000339683	-0.275789008	2.26E-10
RNF225	mRNA	0.169234827	0.000121046	-0.15182617	0.000573905
TRIM9	mRNA	0.1348953	0.002244155	-0.179499942	4.49E-05
SLC35F3	mRNA	0.164464181	0.000188376	-0.228242656	1.83E-07
CYP27B1	mRNA	0.028427588	0.521412058	0.023810462	0.591267021
CACNA1S	mRNA	-0.27367038	3.14E-10	0.279392941	1.29E-10
MRGPRX3	mRNA	0.068720971	0.120784531	-0.062754804	0.156625026
HMX2	mRNA	0.093873827	0.033876651	-0.112742412	0.010757716



NRTN	mRNA	0.11581584	0.008781001	-0.132731769	0.002643548
CSAG3	mRNA	0.135077243	0.002213218	-0.164998212	0.000179384
OR5M11	mRNA	0.157208512	0.000360748	-0.223950097	3.13E-07
FAXC	mRNA	0.203986703	3.34E-06	-0.320873771	1.06E-13
GBX2	mRNA	0.093383265	0.034823798	-0.107762353	0.014804094
EPHB2	mRNA	0.186781306	2.14E-05	-0.105603828	0.016938412
MYH6	mRNA	0.075546845	0.088005055	-0.056120722	0.205327767
SERPINB2	mRNA	0.100958842	0.022462712	-0.148173294	0.000779807
NTS	mRNA	0.102990521	0.019878872	-0.169701806	0.000115842
TG	mRNA	0.132128554	0.002765913	-0.139158954	0.001613896
IL11	mRNA	0.166307709	0.000159008	-0.110354039	0.012556511
HIST1H4J	mRNA	0.154469406	0.000457754	-0.186399115	2.23E-05
PCDH20	mRNA	-0.27550152	2.36E-10	0.271688575	4.25E-10
MYH1	mRNA	-0.31604604	2.57E-13	0.327209094	3.24E-14
MRAP2	mRNA	0.179751537	4.38E-05	-0.329885108	1.95E-14
TTBK1	mRNA	0.107003023	0.015526318	-0.141092051	0.001385627
SMIM35	mRNA	0.189886201	1.55E-05	-0.279823878	1.20E-10
GJB7	mRNA	0.231555685	1.20E-07	-0.336748131	5.15E-15
DIRC3	mRNA	0.10098863	0.02242282	-0.173438106	8.12E-05
RNFT2	mRNA	0.150888684	0.000621292	-0.186657214	2.17E-05
TUBB4A	mRNA	0.142801772	0.001208882	-0.20794982	2.12E-06
RBP1	mRNA	0.12833567	0.003660951	-0.142310708	0.001257393
TGFBR3L	mRNA	0.15904606	0.00030681	-0.229465286	1.57E-07
STRC	mRNA	0.157016781	0.000366859	-0.222264483	3.86E-07
WNT5A	mRNA	0.19013694	1.51E-05	-0.302859136	2.66E-12
PTPRQ	mRNA	-0.28723482	3.66E-11	0.300779054	3.81E-12
C10orf90	mRNA	0.107928824	0.014649762	-0.155826691	0.000406998
HIST1H2AB	mRNA	0.145723008	0.000954186	-0.189575526	1.60E-05
AL360181.3	mRNA	0.225278424	2.66E-07	-0.229703895	1.52E-07
TCN1	mRNA	0.098625234	0.025785186	-0.064309651	0.146589928
SOST	mRNA	0.105707988	0.016829548	-0.182283749	3.39E-05
PRSS27	mRNA	0.126148166	0.004289445	-0.123427632	0.005206411
SYT7	mRNA	0.159264891	0.000300914	-0.105520136	0.017026328
CYP2W1	mRNA	0.076174096	0.085392078	-0.098069802	0.026635722
PCSK1	mRNA	0.038092183	0.390181252	-0.020569688	0.642723315
MS4A6E	mRNA	-0.19121458	1.35E-05	0.228806768	1.70E-07
KCNA4	mRNA	-0.31362012	3.99E-13	0.26345854	1.47E-09
SLC24A5	mRNA	-0.32003726	1.24E-13	0.331928479	1.31E-14
JAKMIP3	mRNA	0.169673706	0.00011615	-0.294797662	1.05E-11
GABRE	mRNA	0.157240379	0.000359742	-0.236284439	6.48E-08
LRRC14B	mRNA	0.133236825	0.002544912	-0.136993923	0.00191019
NAT8L	mRNA	0.126170455	0.004282578	-0.127096498	0.004005884
1-Dec	mRNA	0.097706537	0.027204968	-0.15899222	0.000308277
HORMAD1	mRNA	0.18611778	2.30E-05	-0.25644529	4.07E-09
NQO1	mRNA	0.175391583	6.72E-05	-0.262613196	1.66E-09
SMIM36	mRNA	0.174570714	7.28E-05	-0.216731787	7.57E-07
NR0B1	mRNA	0.098530464	0.025928628	-0.146771322	0.000875585
CPNE7	mRNA	0.151313853	0.000599369	-0.200710738	4.82E-06
LYPD6	mRNA	0.208742366	1.94E-06	-0.286210212	4.33E-11
FABP7	mRNA	0.028918204	0.51424606	-0.02227387	0.615430498
MAGEB2	mRNA	0.092595753	0.036391406	-0.111749354	0.011475863
CDX1	mRNA	0.102437578	0.020555112	-0.104070481	0.018613768
MAB21L3	mRNA	0.148723408	0.000744948	-0.196920235	7.31E-06
SLC35G1	mRNA	0.161650141	0.000243156	-0.299061321	5.11E-12
SLC47A2	mRNA	0.109556793	0.013213478	-0.193773687	1.03E-05
ANXA10	mRNA	0.056589929	0.20155859	-0.083987691	0.057792116

C15orf48	mRNA	0.113493193	0.010241515	-0.05517223	0.213102516
HIST1H4K	mRNA	0.182939732	3.18E-05	-0.211619129	1.39E-06
MMP9	mRNA	0.106870763	0.015655227	-0.034663952	0.434270178
SERPINB3	mRNA	0.135863814	0.002083907	-0.148347989	0.000768577
OTOP3	mRNA	0.070758214	0.110132669	-0.143292128	0.001162166
KRT33B	mRNA	0.056446572	0.202704814	-0.076368415	0.084595399
GAP43	mRNA	0.177784397	5.32E-05	-0.201226886	4.55E-06
IAPP	mRNA	0.085205145	0.054245202	-0.105671119	0.016868012
ADAM32	mRNA	0.182948528	3.17E-05	-0.227946048	1.90E-07
SMCP	mRNA	0.061423134	0.165625432	-0.090006395	0.041974878
G6PC2	mRNA	-0.21972731	5.27E-07	0.237760233	5.34E-08
OR6C70	mRNA	0.1454136	0.000978601	-0.239708704	4.12E-08
CBLN4	mRNA	-0.26387799	1.38E-09	0.295069148	1.00E-11
VSTM5	mRNA	0.190360701	1.48E-05	-0.285382776	4.95E-11
TUBB2B	mRNA	0.096407723	0.029326671	-0.091509177	0.038652462
FXYD3	mRNA	0.155869737	0.000405478	-0.243665599	2.42E-08
POTEF	mRNA	0.118112284	0.007522387	-0.14496807	0.001014771
FANCD2OS	mRNA	0.229022478	1.66E-07	-0.249755978	1.05E-08
LYPD8	mRNA	0.150954235	0.000617864	-0.163190194	0.000211562
HIST1H2BE	mRNA	0.11022359	0.012661994	-0.165527098	0.000170876
ENTPD2	mRNA	0.129366782	0.003394708	-0.131984259	0.002795939
LCE1B	mRNA	0.116693591	0.008279329	-0.164265564	0.000191827
HIST1H1E	mRNA	0.129029995	0.003479672	-0.169985333	0.000112787
MESP2	mRNA	0.125366968	0.00453653	-0.180763483	3.95E-05
FAM110C	mRNA	0.206386903	2.54E-06	-0.282035366	8.46E-11
MAG	mRNA	-0.24408361	2.29E-08	0.260485757	2.27E-09
NTRK2	mRNA	0.190939119	1.39E-05	-0.323795106	6.16E-14
C5orf46	mRNA	0.147651124	0.000814286	-0.072843449	0.100010695
ZNF724	mRNA	0.19315745	1.10E-05	-0.218843829	5.87E-07
SEL1L2	mRNA	-0.2063861	2.54E-06	0.237303629	5.67E-08
WNT10B	mRNA	0.113814371	0.010027486	-0.116860386	0.008186943
UGT1A9	mRNA	0.082657282	0.061885724	-0.139085533	0.00162321
SH3GL2	mRNA	-0.2465506	1.63E-08	0.261395502	1.98E-09
SCML2	mRNA	0.181614915	3.63E-05	-0.269859116	5.62E-10
RUNDC3A	mRNA	0.117774589	0.007696725	-0.160091863	0.000279575
GABRA5	mRNA	0.081093959	0.066998752	-0.120923997	0.006202495
UGT1A8	mRNA	0.054426312	0.219363977	-0.08076063	0.068132617
ERC2	mRNA	0.15438413	0.000461132	-0.205156057	2.92E-06
OLFM4	mRNA	0.034763609	0.43294935	-0.032631511	0.46170942
ZNF280B	mRNA	0.170024139	0.000112374	-0.256399911	4.09E-09
FSHR	mRNA	-0.18538974	2.47E-05	0.174354699	7.43E-05
PRSS50	mRNA	0.088895465	0.044583153	-0.118524016	0.00731461
LRRC15	mRNA	0.153007393	0.000518975	-0.056647656	0.201098368
12-Sep	mRNA	0.121591467	0.005921453	-0.197305307	7.01E-06
SERTM2	mRNA	-0.23440553	8.29E-08	0.353563667	1.72E-16
FCGR3B	mRNA	-0.28693572	3.85E-11	0.32286587	7.33E-14
MAPK8IP2	mRNA	0.171117586	0.000101323	-0.233282696	9.59E-08
VAX2	mRNA	0.20057228	4.89E-06	-0.315554876	2.81E-13
KRT80	mRNA	0.169936214	0.000113311	-0.14819061	0.000778687
CEACAM7	mRNA	0.090902367	0.03996619	-0.106880376	0.015645826
PTGR1	mRNA	0.152712494	0.000532211	-0.262472837	1.69E-09
HIST1H4H	mRNA	0.135768095	0.002099265	-0.188308988	1.83E-05
RGS17	mRNA	0.099841705	0.024003849	-0.036740951	0.407225255
UGT1A10	mRNA	0.103014493	0.019849998	-0.148970754	0.00072975
NXPH1	mRNA	0.107954441	0.014626138	-0.099392346	0.024649071
MMP20	mRNA	0.059630259	0.178348579	-0.049278006	0.266184519

AL121758.1	mRNA	0.161758438	0.000240797	-0.276241401	2.11E-10
AKR1C3	mRNA	0.162655696	0.000222064	-0.279790923	1.21E-10
C6orf141	mRNA	0.095778798	0.030404078	-0.075556076	0.087966141
HMX1	mRNA	0.098139322	0.02652796	-0.138916163	0.001644885
MYOD1	mRNA	0.04566744	0.30285226	-0.055639064	0.20924982
KRT76	mRNA	0.030678872	0.488956223	-0.06193837	0.162098133
POPDC3	mRNA	0.15233531	0.000549598	-0.195462766	8.56E-06
ALPK2	mRNA	0.079267905	0.073404857	-0.018565554	0.675443876
FAM237A	mRNA	0.089972995	0.042051377	-0.164739007	0.000183697
ABCA13	mRNA	0.211968663	1.33E-06	-0.317987454	1.80E-13
SCN5A	mRNA	0.1314032	0.002919875	-0.169155992	0.000121946
NKX2-3	mRNA	0.102693631	0.020239517	-0.13082351	0.003048481
PRAC2	mRNA	0.094635997	0.032448693	-0.130671509	0.003083045
KLHDC7B	mRNA	0.081180336	0.066707469	-0.064288743	0.14672154
TMPRSS11B	mRNA	0.074285173	0.093455457	-0.08311921	0.060438083
LPO	mRNA	0.074056757	0.094470487	-0.069758293	0.115264501
OR7C1	mRNA	0.117705082	0.007733053	-0.157158241	0.000362341
GABRG3	mRNA	0.117614422	0.007780668	-0.138829432	0.001656087
SOX9	mRNA	0.191630789	1.29E-05	-0.203562832	3.50E-06
3-Sep	mRNA	0.162717599	0.000220823	-0.185628244	2.41E-05
TCHHL1	mRNA	0.103256991	0.019559957	-0.076054675	0.085884679
TDRD12	mRNA	0.04880598	0.270797109	-0.059806439	0.177067086
PTH2R	mRNA	0.147557231	0.000820633	-0.212410575	1.26E-06
UBE2QL1	mRNA	0.098340014	0.026218973	-0.066014502	0.136158606
SOHLH2	mRNA	0.065920792	0.136716725	-0.092520196	0.036544912
CALB1	mRNA	0.094120657	0.033408449	-0.166739476	0.00015278
F2RL2	mRNA	0.111248104	0.011854212	-0.175382306	6.73E-05
PRSS22	mRNA	0.167542159	0.000141807	-0.175468901	6.67E-05
CFHR3	mRNA	0.195264114	8.75E-06	-0.223781725	3.20E-07
CBR1	mRNA	0.167640359	0.000140516	-0.281476812	9.25E-11
PAK5	mRNA	0.140485627	0.001453822	-0.209512298	1.77E-06
FHOD3	mRNA	0.143689352	0.001125548	-0.095688209	0.030562025
SYT5	mRNA	0.094151066	0.033351152	-0.092772648	0.036034156
ACKR3	mRNA	0.181276118	3.76E-05	-0.245526368	1.88E-08
NECAB2	mRNA	0.110991306	0.012052285	-0.210991708	1.49E-06
CYP4F2	mRNA	0.075386228	0.088684387	-0.125273724	0.004566865
PLEKHG4B	mRNA	0.158405988	0.00032468	-0.15820067	0.000330615
IL22RA2	mRNA	0.114317375	0.009700266	-0.008992067	0.839311092
RAB6B	mRNA	0.134003298	0.00240162	-0.239043896	4.50E-08
NWD2	mRNA	0.072526987	0.101497406	-0.074132666	0.09413219
CLEC18B	mRNA	0.141222105	0.00137139	-0.158996009	0.000308174
SMCO1	mRNA	0.181645783	3.62E-05	-0.263225079	1.52E-09
UGT1A5	mRNA	0.151355033	0.000597284	-0.245428506	1.90E-08
GUCA1A	mRNA	0.027424601	0.536219619	-0.032388795	0.465049549
RNF183	mRNA	0.093551051	0.034497342	-0.067118212	0.129716368
SHISA7	mRNA	0.098455003	0.026043338	-0.116788803	0.008226478
HIST1H4B	mRNA	0.156646486	0.000378934	-0.191406424	1.32E-05
HTR3C	mRNA	-0.195553	8.48E-06	0.182988801	3.16E-05
SALL3	mRNA	0.095793852	0.0303779	-0.108053638	0.014534977
LINGO1	mRNA	0.127662242	0.003844911	-0.151143011	0.00060809
THEG	mRNA	0.116042169	0.008649118	-0.109945275	0.012889659
GLRA3	mRNA	0.075803976	0.086926236	-0.081502164	0.06563133
FOLH1	mRNA	0.152036979	0.000563722	-0.240058563	3.93E-08
BRDT	mRNA	0.098109821	0.026573643	-0.134478484	0.002316522
BOLL	mRNA	0.07439039	0.092990837	-0.103305819	0.019502004
ALDH3A1	mRNA	0.111418943	0.01172404	-0.217394147	6.99E-07

DIRAS2	mRNA	0.107481834	0.015067392	-0.176469615	6.05E-05
FGF5	mRNA	0.036318842	0.412639013	-0.001339607	0.975901093
SLCO1B3	mRNA	0.117731233	0.007719368	-0.172808568	8.62E-05
DGKI	mRNA	0.097390218	0.027709144	-0.094697942	0.032334929
NCAN	mRNA	0.028018084	0.527432323	-0.038828498	0.3810784
HIST1H2AH	mRNA	0.073725631	0.095957559	-0.107339608	0.015202452
NR5A1	mRNA	0.052174425	0.239062754	-0.084930104	0.05503025
TMEM45A	mRNA	0.131668256	0.002862733	-0.083387646	0.059609765
SLC5A8	mRNA	-0.36219615	2.76E-17	0.443006791	5.64E-26
ME1	mRNA	0.174389436	7.41E-05	-0.309115702	8.91E-13
AL603832.3	mRNA	0.193668243	1.04E-05	-0.271696209	4.25E-10
GPC5	mRNA	-0.27846931	1.49E-10	0.253484873	6.20E-09
FAM133A	mRNA	0.104649074	0.017965329	-0.117977705	0.007591437
VWDE	mRNA	0.141413677	0.001350664	-0.170892031	0.000103515
ABCC2	mRNA	0.073115495	0.098746531	-0.092790311	0.035998648
PYDC1	mRNA	0.053500194	0.227319918	-0.024005721	0.588227882
UPK1B	mRNA	0.13942637	0.001580384	-0.197617984	6.77E-06
SYNDIG1	mRNA	0.164551493	0.000186877	-0.139061091	0.001626322
ADRA2B	mRNA	0.092285175	0.037025918	-0.157780819	0.000343068
CHP2	mRNA	0.128084029	0.003728737	-0.171420382	9.84E-05
FGFR3	mRNA	0.097554071	0.027446988	-0.124398273	0.004860735
BEST2	mRNA	0.042447634	0.338252552	-0.065061523	0.141916754
PAX7	mRNA	0.095928916	0.030143879	-0.111895932	0.011367262
MAGEA9	mRNA	0.104610947	0.018007443	-0.150507815	0.000641561
MNX1	mRNA	0.150293561	0.000653231	-0.189795562	1.57E-05
POMC	mRNA	0.123666673	0.005119285	-0.229947019	1.47E-07
HIST1H2BI	mRNA	0.149206321	0.000715542	-0.184723728	2.65E-05
CST11	mRNA	0.036696991	0.407787088	-0.014933545	0.736290692
HNF4G	mRNA	0.173896901	7.77E-05	-0.173446438	8.11E-05
IL36A	mRNA	0.077582246	0.079753632	-0.090960157	0.039839469
ELOA2	mRNA	0.144306301	0.001070779	-0.170783486	0.000104586
DCAF12L2	mRNA	0.1069541	0.015573893	-0.14953631	0.000696071
TRIM17	mRNA	0.119417985	0.006881054	-0.106821454	0.015703527
COLCA2	mRNA	0.126858867	0.004075298	-0.178114154	5.15E-05
BBOX1	mRNA	0.114454878	0.009612484	-0.095776292	0.030408439
TMEM179	mRNA	0.082540765	0.062255361	-0.116718906	0.008265247
SBK1	mRNA	0.060480067	0.172230314	-0.076737156	0.083100105
SPRR2F	mRNA	0.050537432	0.254142451	-0.083575456	0.059035837
HSD17B3	mRNA	0.114255987	0.009739686	-0.135450468	0.002150973
HHIPL2	mRNA	0.079843411	0.071334077	-0.037736861	0.394620732
FRRS1L	mRNA	0.125532821	0.004483022	-0.218055273	6.45E-07
PLK5	mRNA	0.106831586	0.015693592	-0.134992079	0.00222765
STARD6	mRNA	0.153951725	0.000478619	-0.201910723	4.21E-06
ECEL1	mRNA	0.033463267	0.450365142	-0.007574652	0.864372788
GSC	mRNA	0.118656678	0.007248765	-0.157343734	0.000356496
KRT20	mRNA	0.039020655	0.37872438	-0.060493653	0.172133794
HAS3	mRNA	0.19139957	1.32E-05	-0.295302315	9.66E-12
CLPSL2	mRNA	0.091719008	0.038206778	-0.086319937	0.051158066
NEUROD2	mRNA	0.116860232	0.008187027	-0.176944435	5.77E-05
UPK1A	mRNA	0.024228261	0.58477294	-0.014102418	0.750466247
BECN2	mRNA	0.075773314	0.08705432	-0.081908341	0.064293556
GALR2	mRNA	0.109795813	0.013013405	-0.179724487	4.39E-05
SGCZ	mRNA	0.086633253	0.0503173	-0.11635918	0.008467362
GPR156	mRNA	0.160405615	0.000271856	-0.168242574	0.00013284
VSIG10L	mRNA	0.104865247	0.017728171	-0.139166082	0.001612994
MYO18B	mRNA	0.093228741	0.035126776	-0.108865237	0.013807702

CLDN17	mRNA	0.031723078	0.474279189	-0.039612224	0.371533572
MROH2A	mRNA	0.044757387	0.312599307	-0.037554877	0.396906241
KCNK2	mRNA	0.089674022	0.042741382	-0.151653858	0.000582355
COL2A1	mRNA	0.043636024	0.324889824	-0.010039602	0.820891711
IL19	mRNA	0.05290241	0.232562953	-0.063027249	0.154830087
ASIC5	mRNA	0.141214979	0.001372167	-0.194295064	9.71E-06
ARID3C	mRNA	0.123663179	0.005120549	-0.13641783	0.001997016
RND2	mRNA	0.157922332	0.000338823	-0.240268534	3.82E-08
REG1A	mRNA	0.100697659	0.022815128	-0.114730815	0.009438454
TRIM63	mRNA	-0.23423677	8.47E-08	0.260989321	2.11E-09
LAMC2	mRNA	0.130572509	0.003105748	-0.102267399	0.020767223
GOLGA6L7	mRNA	0.074487563	0.092563386	-0.136891707	0.001925339
LRP1B	mRNA	0.130864169	0.003039296	-0.209622338	1.75E-06
HTR3A	mRNA	0.04912094	0.267713324	-0.056141796	0.205157385
ALX1	mRNA	0.084507216	0.056255701	-0.108901243	0.013776193
OTX2	mRNA	0.053526121	0.227094434	-0.092665039	0.036251122
CRABP1	mRNA	0.072154254	0.103270919	-0.05476057	0.216542021
EPHA7	mRNA	0.083505674	0.059248548	-0.123121875	0.005319799
DPYSL4	mRNA	0.142550826	0.001233453	-0.205316009	2.87E-06
C4orf17	mRNA	0.048698874	0.271851294	-0.099509336	0.024479662
ALX3	mRNA	0.11153723	0.011634652	-0.127503525	0.003889469
ALOX12	mRNA	0.11100622	0.012040703	-0.194153534	9.86E-06
SLC4A1	mRNA	-0.10223347	0.020809734	0.091152903	0.039419278
MYBPC1	mRNA	0.047782533	0.280984842	-0.045645539	0.303084438
CD24	mRNA	0.067947643	0.125032309	-0.065169668	0.141254082
MAGEC1	mRNA	0.073354994	0.097644171	-0.105231687	0.017332406
FSTL4	mRNA	0.134016594	0.002399201	-0.176242475	6.18E-05
LENEP	mRNA	0.152849106	0.000526041	-0.23855081	4.81E-08
NEURL1	mRNA	0.118400694	0.007376298	-0.143577422	0.001135757
LCE1E	mRNA	0.093696328	0.034216789	-0.135286862	0.002178059
SSTR5	mRNA	0.116384869	0.008452784	-0.142114113	0.001277312
AL355102.2	mRNA	0.161955646	0.000236557	-0.193359522	1.07E-05
ADAMDEC1	mRNA	0.152374692	0.000547758	-0.029166692	0.510636188
KRT82	mRNA	0.062212464	0.160244874	-0.091553243	0.038558501
GPR158	mRNA	0.190772024	1.41E-05	-0.1887143	1.75E-05
IFNE	mRNA	0.096858744	0.028574345	-0.094782069	0.032180973
TM4SF19-TCTEX	mRNA	0.146009087	0.000932113	-0.200542335	4.91E-06
PRSS56	mRNA	0.031827845	0.472820053	-0.021898601	0.621396876
CPA2	mRNA	0.084422521	0.056503836	-0.145403592	0.0009794
PNMA5	mRNA	0.046838656	0.290607697	-0.03748506	0.397785167
APELA	mRNA	0.040366588	0.362487336	-0.031577773	0.476306986
JPH3	mRNA	0.08350175	0.059260529	-0.087878788	0.047088322
ATRNL1	mRNA	0.132308655	0.002728849	-0.197599354	6.79E-06
RIPPLY2	mRNA	0.118083894	0.007536907	-0.19148472	1.31E-05
KRT24	mRNA	0.028233573	0.524259941	-0.051945186	0.241135709
TMEM200C	mRNA	0.133175595	0.002556688	-0.091857862	0.037914253
C6orf222	mRNA	0.094294843	0.033081376	-0.016386611	0.711723711
HOXA9	mRNA	0.098373803	0.026167259	-0.123752645	0.005088272
PCDH7	mRNA	0.149942954	0.000672753	-0.131109294	0.002984449
FGF12	mRNA	0.147360209	0.000834101	-0.237650424	5.42E-08
STATH	mRNA	0.021546457	0.627018248	-0.02121614	0.632310907
OR1J4	mRNA	0.15678924	0.000374236	-0.179988245	4.27E-05
FSTL5	mRNA	0.087109011	0.049062731	-0.109955311	0.012881387
AMH	mRNA	0.104233182	0.018429394	-0.137100954	0.001894445
ANXA8	mRNA	0.193436354	1.06E-05	-0.210008081	1.67E-06
SMKR1	mRNA	0.154161879	0.000470044	-0.247079484	1.52E-08

NGFR	mRNA	0.110887275	0.012133356	-0.088632318	0.045220563
PSORS1C2	mRNA	0.032900252	0.458026779	-0.024788855	0.57611166
CLDN20	mRNA	0.095431772	0.031012953	-0.179580769	4.45E-05
WNT10A	mRNA	0.096704912	0.02882906	-0.06804872	0.1244706
GABRP	mRNA	0.078111839	0.077712749	-0.043673625	0.324472682
AIM2	mRNA	0.144765558	0.001031617	-0.107005371	0.015524038
CHRNA6	mRNA	0.017187537	0.698307088	-0.015621603	0.724622385
ANKRD7	mRNA	0.16497267	0.000179804	-0.199476367	5.52E-06
WIF1	mRNA	-0.21659733	7.69E-07	0.202533842	3.93E-06
TRIM58	mRNA	-0.25689176	3.81E-09	0.274481203	2.77E-10
ZIC4	mRNA	0.102456347	0.020531834	-0.124180746	0.004936351
LRRC9	mRNA	0.167476358	0.000142678	-0.25548303	4.67E-09
CLDN10	mRNA	0.13541264	0.002157208	-0.094602756	0.032509883
VGFB	mRNA	0.023368998	0.598164623	-0.032384325	0.465111184
CHAT	mRNA	0.055867925	0.20737955	-0.057765032	0.1923402
TMEM88B	mRNA	0.138416532	0.001710382	-0.15150546	0.000589725
DYNAP	mRNA	0.023230309	0.60033904	-0.031392008	0.478906304
CTCF	mRNA	0.06525614	0.140725924	-0.105726527	0.016810237
LRRC38	mRNA	0.036545752	0.409723508	-0.063052848	0.154662237
TNNI3	mRNA	0.13365714	0.002465397	-0.155580529	0.000415796
KCNJ4	mRNA	0.034398761	0.437796223	-0.046995924	0.288989179
TCHH	mRNA	0.082019093	0.063932706	-0.139638101	0.001554305
CNBD1	mRNA	0.121463306	0.005974511	-0.144363399	0.001065837
CALCB	mRNA	0.043139657	0.330428942	-0.075357464	0.088806486
MUCL1	mRNA	0.035868731	0.418458513	-0.015154543	0.732536167
GRIN1	mRNA	0.128256723	0.003682096	-0.100680443	0.022838525
PHF24	mRNA	0.101239693	0.022089032	-0.143494728	0.001143354
UPK2	mRNA	0.025722962	0.561815152	-0.006284845	0.887297749
PGBD5	mRNA	0.135861505	0.002084276	-0.226516772	2.27E-07
MC4R	mRNA	0.064045838	0.148257155	-0.06012379	0.174776026
MROH2B	mRNA	-0.20487575	3.02E-06	0.261021708	2.10E-09
MEIOC	mRNA	0.080108943	0.070394868	-0.10272999	0.020195046
RIPPLY3	mRNA	0.152570579	0.000538692	-0.239138091	4.45E-08
PITX3	mRNA	0.104366035	0.018280029	-0.160216685	0.00027648
ELOVL2	mRNA	0.079212799	0.073605683	-0.090534094	0.040781762
OR1F1	mRNA	0.140229712	0.001483516	-0.190309958	1.48E-05
PNLDC1	mRNA	0.089725812	0.042621176	-0.117358764	0.007916352
CHRNA3	mRNA	0.04173075	0.346481237	-0.031590051	0.47613545
CST8	mRNA	0.064826119	0.143367449	-0.082597048	0.062076584
IGFL2	mRNA	0.089572791	0.042977168	-0.045951902	0.299847335
OXGR1	mRNA	0.166479008	0.000156509	-0.239820448	4.06E-08
SOX1	mRNA	0.052716245	0.234213099	-0.061407074	0.165736299
WISP3	mRNA	0.117958391	0.007601393	-0.113681725	0.010115393
TM4SF19	mRNA	0.123486161	0.005184955	-0.153500877	0.000497507
TEX101	mRNA	0.048829208	0.270568856	-0.057204435	0.196698654
TFAP2B	mRNA	0.028289956	0.523431496	-0.037395767	0.39891098
GPR149	mRNA	0.067949535	0.125021778	-0.125856655	0.004380187
NYAP1	mRNA	0.099939629	0.023865197	-0.12212177	0.005706381
CD200R1L	mRNA	0.115492237	0.008972678	-0.159880311	0.000284895
SHISA2B	mRNA	0.074350556	0.093166519	-0.116418893	0.00843351
B4GALNT2	mRNA	0.073903275	0.095157463	-0.063097796	0.154367851
TMEM132D	mRNA	-0.2139665	1.05E-06	0.27254644	3.73E-10
SCUBE3	mRNA	0.091678331	0.038292836	-0.117331663	0.007930858
NUDT10	mRNA	0.124791597	0.004726656	-0.164895193	0.000181086
CNTNAP4	mRNA	0.088300193	0.046035976	-0.072399402	0.102101733
ISL1	mRNA	0.088984995	0.044368017	-0.061068642	0.168085513

NKAIN4	mRNA	0.07789308	0.078550576	-0.009646514	0.82779262
IRS4	mRNA	0.055811272	0.207841388	-0.087420397	0.048255864
ANKRD63	mRNA	0.086842145	0.049763191	-0.15527678	0.000426895
CEND1	mRNA	0.071289444	0.107480432	-0.09142951	0.038822825
LOR	mRNA	0.069091003	0.118792237	-0.064286991	0.146732573
SPDYC	mRNA	0.075079538	0.08999323	-0.080182904	0.07013507
KCNC1	mRNA	0.08693591	0.049516134	-0.120676072	0.006309897
MCHR2	mRNA	0.11682052	0.00820894	-0.157492704	0.000351865
MPP4	mRNA	0.061177001	0.167330645	-0.135225286	0.002188333
TMEM270	mRNA	0.153051946	0.000517002	-0.214236003	1.02E-06
GRXCR2	mRNA	0.168288317	0.000132274	-0.230595973	1.36E-07
SYT2	mRNA	0.095826427	0.030321316	-0.124541235	0.00481161
CGB2	mRNA	0.09416815	0.033318998	-0.14070631	0.001428656
MINDY4B	mRNA	0.16246286	0.000225971	-0.25528553	4.80E-09
NEUROG1	mRNA	0.087460236	0.048153438	-0.148907207	0.000733627
TEX13B	mRNA	0.032348559	0.465604543	-0.05277853	0.233660095
POTEE	mRNA	0.116030429	0.008655915	-0.156525703	0.000382953
C11orf87	mRNA	0.082579652	0.062131795	-0.153670384	0.000490326
TGM6	mRNA	0.060644799	0.171062653	-0.080724579	0.068256187
PAX2	mRNA	0.041539906	0.348693055	-0.033903969	0.444418827
KRTAP5-6	mRNA	0.143771535	0.001118106	-0.220183847	4.98E-07
EPHB1	mRNA	0.119744666	0.006728457	-0.186397224	2.23E-05
SPZ1	mRNA	0.073048874	0.09905493	-0.129013103	0.003483983
CDH18	mRNA	0.066798817	0.131555895	-0.078451315	0.076426969
RPS10-NUDT3	mRNA	0.13834027	0.001720587	-0.150948612	0.000618158
PAGE2	mRNA	0.060601224	0.171370948	-0.069808864	0.115000538
ROPN1	mRNA	0.083106148	0.06047863	-0.068106728	0.124149125
TBX18	mRNA	0.190577974	1.44E-05	-0.269491061	5.94E-10
PAEP	mRNA	0.032853278	0.458669289	0.015068242	0.734001577
RFPL1	mRNA	0.08047377	0.069120961	-0.127713965	0.003830491
RGSL1	mRNA	0.106645857	0.015876593	-0.151146893	0.000607891
LHX3	mRNA	0.028429306	0.521386879	-0.018584307	0.675134726
CLPSL1	mRNA	0.0753547	0.088818227	-0.069108451	0.118698935
FUT6	mRNA	0.083466024	0.059369692	-0.080831507	0.06789021
GSTM3	mRNA	0.127938465	0.003768466	-0.250230755	9.80E-09
SLC38A11	mRNA	0.057982886	0.190665702	-0.101629138	0.021579791
UGT2B28	mRNA	0.082151669	0.063502944	-0.071114381	0.108348825
TGM3	mRNA	0.077350863	0.080658839	-0.117922399	0.007619978
NLRP10	mRNA	0.08827681	0.046093848	-0.090441704	0.04098856
DIRAS1	mRNA	0.120494931	0.006389421	-0.10890334	0.013774359
NTSR2	mRNA	0.06732954	0.128510228	-0.087710662	0.047513764
HOXB1	mRNA	0.125059527	0.004637244	-0.138700524	0.001672866
NTN3	mRNA	0.127162437	0.003986813	-0.113266292	0.010395153
GCNT3	mRNA	0.086499739	0.050674155	-0.082809446	0.061405728
CRNN	mRNA	0.0258943	0.559211498	-0.024213004	0.585009502
C5orf60	mRNA	0.084121881	0.057391975	-0.1382923	0.001727034
FLG2	mRNA	0.058404267	0.187457231	-0.031166449	0.482072795
DNAH17	mRNA	0.119290679	0.006941355	-0.143782893	0.001117081
GLYATL1	mRNA	0.102118583	0.020954264	-0.120581226	0.006351425
CYP1A2	mRNA	-0.10309856	0.019749026	0.121264636	0.006057605
CNTN5	mRNA	0.059192549	0.181562143	-0.097528454	0.027487832
MAGED4B	mRNA	0.168415916	0.000130705	-0.20242785	3.98E-06
ADD2	mRNA	0.146288638	0.000911001	-0.255365211	4.75E-09
GFAP	mRNA	0.03524083	0.42665661	-0.026294341	0.553155304
FRMD5	mRNA	0.103290194	0.019520533	-0.039239662	0.376052349
NSG1	mRNA	0.127464869	0.003900392	-0.145676406	0.000957827

B3GALT5	mRNA	0.088605967	0.045284813	-0.110210441	0.012672669
OR6C2	mRNA	0.115030319	0.009252736	-0.200426522	4.97E-06
HOXD4	mRNA	0.114259737	0.009737274	-0.140026233	0.001507522
SPOCK3	mRNA	0.077454545	0.080252197	-0.099120079	0.025047256
ABCA4	mRNA	0.081859044	0.064454713	-0.119273772	0.006949399
AC131097.2	mRNA	0.101735818	0.021442086	-0.133748939	0.002448335
RTP3	mRNA	0.053433503	0.227900647	-0.048606463	0.272763097
ATP13A5	mRNA	0.073661822	0.096246257	-0.105928965	0.016600619
IFNL3	mRNA	0.07341897	0.097351366	-0.050302083	0.256363545
ZNF648	mRNA	0.098703608	0.025667077	-0.091312398	0.039074416
SMIM32	mRNA	0.093316545	0.034954342	-0.129446096	0.003374975
TFF1	mRNA	0.039905864	0.367995805	-0.016710561	0.706286093
FMO1	mRNA	0.059929186	0.176178305	-0.056289069	0.20396959
IFNL2	mRNA	0.069100814	0.118739764	-0.046048628	0.298830099
OR2W3	mRNA	-0.26240585	1.71E-09	0.282193024	8.25E-11
CGB5	mRNA	0.029436668	0.506729181	-0.015182975	0.732053596
TUBAL3	mRNA	0.108594808	0.014046393	-0.135172004	0.00219726
CGB8	mRNA	0.050514099	0.254362057	-0.026189444	0.554740225
KCNK10	mRNA	0.06729414	0.128711663	-0.08176057	0.064777629
KRTAP17-1	mRNA	0.056912842	0.198993993	-0.089803369	0.042441698
MUC20	mRNA	0.087125955	0.049018537	-0.091462956	0.038751225
KRT71	mRNA	0.08207202	0.06376085	-0.134802382	0.002260106
CRHR1	mRNA	0.067940126	0.125074162	-0.075165819	0.089623456
C10orf62	mRNA	0.148411035	0.000764561	-0.241430673	3.27E-08
CLGN	mRNA	0.100130249	0.023597279	-0.129334287	0.003402823
ZBTB8B	mRNA	0.0556109	0.209480814	-0.049028049	0.268620315
GPR78	mRNA	0.076175319	0.085387044	-0.028008998	0.527566299
OSGIN1	mRNA	0.145144182	0.001000328	-0.269709105	5.75E-10
MAGEA2	mRNA	0.106176068	0.016347856	-0.151289081	0.000600626
FTHL17	mRNA	0.059050668	0.18261294	-0.048384159	0.274965063
RPE65	mRNA	0.056740996	0.200355829	-0.090516349	0.040821412
CLLU10S	mRNA	0.083166045	0.060292884	-0.041579732	0.348230754
GRIK2	mRNA	0.10704374	0.01548682	-0.112336414	0.011046361
HES7	mRNA	0.094389674	0.032904459	-0.095931937	0.030138662
SLC6A5	mRNA	0.089699237	0.042682823	-0.102693171	0.020240079
TP53TG3D	mRNA	0.154910457	0.000440648	-0.209471559	1.78E-06
CIDEA	mRNA	0.041038395	0.354547952	-0.020511249	0.643668093
SPEM1	mRNA	0.119884486	0.006664078	-0.147354644	0.000834485
OPRK1	mRNA	0.107123589	0.015409618	-0.122432771	0.005583543
THEGL	mRNA	0.124016113	0.004994284	-0.12881942	0.00353377
GRIA2	mRNA	0.082823194	0.061362511	-0.079559541	0.072349449
CT45A3	mRNA	0.088971405	0.044400617	-0.11448419	0.009593863
CLDN16	mRNA	0.076487061	0.084111923	-0.088470315	0.045616773
C14orf39	mRNA	0.098991747	0.025236857	-0.118160775	0.007497646
PHF21B	mRNA	0.099640337	0.024291159	-0.115350362	0.009057882
MEIOB	mRNA	0.096511477	0.029152115	-0.128718103	0.00356007
PRH2	mRNA	0.036814588	0.406285172	-0.027394402	0.536668704
ANKRD62	mRNA	0.119868246	0.006671527	-0.18793219	1.90E-05
ADAMTS18	mRNA	0.035182148	0.427427527	-0.041774982	0.345969873
OR56B4	mRNA	0.164040694	0.000195805	-0.227136048	2.10E-07
OTP	mRNA	0.13131872	0.002938305	-0.155370965	0.000423425
TH	mRNA	0.026895919	0.544108843	-0.011056359	0.803107104
MAGEB17	mRNA	0.083940913	0.057932145	-0.093488545	0.034618652
TGIF2LX	mRNA	0.085475987	0.053481268	-0.089233176	0.043776218
CBLN2	mRNA	0.065751767	0.137727859	-0.096342019	0.029437674
SLITRK1	mRNA	0.049972205	0.259499319	-0.056991086	0.19837617



CST9	mRNA	0.086841451	0.049765024	-0.109727634	0.0130702
OR56A5	mRNA	0.132850568	0.002620038	-0.164874495	0.00018143
AL691442.1	mRNA	0.13341696	0.002510552	-0.15028763	0.000653557
GHRH	mRNA	0.035990332	0.416881594	-0.057399177	0.1951765
C6orf10	mRNA	0.1320293	0.002786535	-0.213329654	1.13E-06
NOS2	mRNA	0.051155144	0.248376459	-0.098420339	0.026096177
PKLR	mRNA	0.086372156	0.051017128	-0.109915108	0.012914551
CGA	mRNA	0.017198558	0.698123114	0.009571404	0.829112756
TAC3	mRNA	0.01842691	0.677731128	-0.012847331	0.772031504
SAGE1	mRNA	0.107829783	0.014741409	-0.162334593	0.000228605
AXDND1	mRNA	0.086837629	0.049775115	-0.15353517	0.000496046
OR11H4	mRNA	0.095566454	0.03077542	-0.181538923	3.66E-05
COL9A1	mRNA	0.047106732	0.287852452	-0.043628144	0.324977282
PABPC1L2A	mRNA	0.08804678	0.046666413	-0.114351537	0.009678391
DUOXA2	mRNA	0.076099992	0.08569748	-0.080175831	0.070159881
PAX1	mRNA	0.051042074	0.249425028	-0.048413761	0.274671152
AC116565.1	mRNA	0.081618486	0.0652459	-0.150226664	0.000656914
IL36B	mRNA	0.066017976	0.136137949	-0.11917589	0.006996132
TEX35	mRNA	0.096021496	0.029984363	-0.157095467	0.000364339
LINGO2	mRNA	0.119191426	0.006988696	-0.134834008	0.002254665
BTBD16	mRNA	0.022386112	0.613650865	-0.018033639	0.684235141
IL1F10	mRNA	0.081275239	0.066388633	-0.140062882	0.001503172
FER1L6	mRNA	0.109048021	0.013648399	-0.142744179	0.001214481
SIM1	mRNA	0.024361562	0.582707956	-0.025400138	0.566736594
CSN3	mRNA	0.026513935	0.54984458	-0.019418652	0.661436353
CYP2C18	mRNA	0.131039545	0.002999963	-0.205575089	2.79E-06
PMP2	mRNA	0.016368326	0.712031076	-0.033850707	0.445135102
CT83	mRNA	0.112787561	0.010726034	-0.108109395	0.014483957
CCDC166	mRNA	0.136290193	0.002016735	-0.163485275	0.000205965
PNLIPRP3	mRNA	0.041572679	0.348312593	-0.018994785	0.668381688
C11orf53	mRNA	0.068850172	0.120085959	-0.062401456	0.158976355
MYO3A	mRNA	0.119845264	0.006682081	-0.164401852	0.000189452
CGB3	mRNA	0.015917726	0.719620018	0.005996307	0.892439803
GRM1	mRNA	0.058655671	0.185562027	-0.089201423	0.043851562
OR10H1	mRNA	0.109764584	0.013039393	-0.103393806	0.019397952
COX8C	mRNA	0.035462173	0.423756083	-0.039951186	0.367451643
C14orf180	mRNA	-0.09460695	0.032502155	0.105389403	0.01716446
FAM25C	mRNA	0.058584804	0.186094816	-0.06179273	0.163089402
ALDH1L1	mRNA	0.110406755	0.012514106	-0.122447002	0.00557798
LRIT2	mRNA	0.125939474	0.004354233	-0.203828384	3.40E-06
RBP3	mRNA	0.131418716	0.002916502	-0.147648967	0.000814431
OR1J1	mRNA	0.153023744	0.00051825	-0.227492641	2.01E-07
NUTM1	mRNA	0.020174114	0.649129696	-0.026724647	0.546676925
ADAM7	mRNA	0.082231737	0.063244546	-0.099942763	0.02386077
OR9A4	mRNA	0.113477348	0.010252178	-0.177401765	5.52E-05
FAM46D	mRNA	0.118492075	0.007330543	-0.129100124	0.003461822
MAGEA2B	mRNA	0.105895518	0.016635093	-0.155997363	0.000401001
L1CAM	mRNA	0.076411971	0.08441765	-0.060494949	0.172124588
NOBOX	mRNA	0.046430061	0.29484111	-0.070971402	0.109062167
C11orf86	mRNA	0.024109721	0.586612109	0.011026239	0.803632537
QRFPR	mRNA	0.104379817	0.018264593	-0.19109847	1.37E-05
PASD1	mRNA	0.046152174	0.297743691	-0.04174623	0.346302214
CPS1	mRNA	0.030974637	0.484774439	0.012230775	0.782691167
DGKB	mRNA	0.11203256	0.011266853	-0.137835251	0.001789587
GNG13	mRNA	0.05588504	0.207240173	-0.047165873	0.287246975
KRTAP29-1	mRNA	0.074006186	0.094696398	-0.104590347	0.018030233

11-Mar	mRNA	0.057289406	0.196033431	-0.054427036	0.219357831
OR52L1	mRNA	0.122155342	0.005693005	-0.160508756	0.000269362
ELAVL2	mRNA	0.067265434	0.128875189	-0.067442032	0.127871743
AADACL2	mRNA	0.077425212	0.080367073	-0.1142228	0.009761056
AC011604.2	mRNA	0.096310617	0.029490853	-0.112530194	0.010907748
NLRP11	mRNA	0.050323387	0.256161943	-0.037537578	0.397123905
DRD2	mRNA	0.067413193	0.128035194	-0.080968532	0.067423578
ZG16B	mRNA	0.075773986	0.087051513	-0.04647465	0.29437714
RALYL	mRNA	0.048086698	0.277930352	-0.04954094	0.26363867
SPANXB1	mRNA	0.036188675	0.414317006	-0.035842873	0.418794283
DEFB1	mRNA	0.085741702	0.052740521	-0.088653148	0.045169832
NRK	mRNA	0.042086876	0.342377719	0.002909743	0.947684591
DISP3	mRNA	0.058421841	0.187324286	-0.024716494	0.577226244
KRT35	mRNA	0.055458163	0.210736751	-0.073429908	0.097301375
HIST1H3I	mRNA	0.094883801	0.031995637	-0.122270348	0.005647396
OTOP1	mRNA	0.063788823	0.149895266	-0.044458593	0.315843942
CXCL6	mRNA	0.086262057	0.05131466	-0.073933699	0.09502097
FLG	mRNA	0.100252402	0.023426964	-0.126613353	0.004148157
PIWIL2	mRNA	0.070418765	0.111854228	-0.114024735	0.009889464
LRAT	mRNA	0.094791827	0.032163157	-0.078960514	0.074530836
PRB2	mRNA	0.077685418	0.07935267	-0.101573399	0.021652044
CCDC144NL	mRNA	0.084178572	0.057223622	-0.075946626	0.086332342
NKX6-3	mRNA	0.049245589	0.26649956	-0.078307573	0.076969273
TRIML2	mRNA	0.045585792	0.303718418	-0.045080562	0.309114632
FOXB2	mRNA	0.03429819	0.439137727	-0.060047921	0.175321734
TRPM5	mRNA	0.031071856	0.483404097	-0.012096314	0.78502137
LGR5	mRNA	0.080825749	0.067909878	-0.068780194	0.120463925
GPRC6A	mRNA	0.084170427	0.057247785	-0.121682317	0.005884098
C7orf33	mRNA	0.067543586	0.127297454	-0.060507876	0.172032783
KCNJ18	mRNA	0.042711476	0.335255827	-0.009065598	0.838015156
KCNV1	mRNA	0.075841133	0.086771226	-0.112175113	0.011162929
GSTM1	mRNA	0.094282491	0.033104478	-0.158918091	0.000310308
CLDN19	mRNA	0.056020212	0.206141765	-0.045654815	0.302986089
AC083902.2	mRNA	0.074695024	0.09165605	-0.107413505	0.015132146
FUT5	mRNA	0.089439932	0.043288283	-0.126438173	0.004200861
CCER1	mRNA	0.082199447	0.06334865	-0.127647035	0.00384916
CCNA1	mRNA	0.11278215	0.010729827	-0.182315483	3.38E-05
FABP9	mRNA	0.125412963	0.004521633	-0.191613413	1.29E-05
GLYATL3	mRNA	0.033506831	0.449775347	-0.028606136	0.518798241
CTAG2	mRNA	0.08653063	0.050591403	-0.129953838	0.003251099
SLCO1B7	mRNA	0.081378991	0.066041502	-0.086449742	0.050808329
TRIM43	mRNA	0.059987011	0.175760756	-0.041777074	0.345945697
MYL7	mRNA	0.052412931	0.236919329	-0.047627707	0.282548331
FOXI1	mRNA	0.029445904	0.506595793	-0.009674411	0.827302438
UGT2A1	mRNA	0.045789335	0.301562184	-0.057083557	0.197647812
SMOC1	mRNA	0.079321481	0.073210034	-0.059107062	0.182194739
TRPC7	mRNA	0.071469302	0.106593984	-0.084415628	0.05652407
AL035425.2	mRNA	0.054906785	0.215315828	-0.086739457	0.05003494
HTN1	mRNA	0.042185804	0.341243319	-0.030024807	0.498272356
IL17REL	mRNA	0.04771091	0.281707384	-0.000734144	0.986791699
GAGE1	mRNA	0.044039953	0.320426971	-0.071873451	0.104623175
DCAF4L2	mRNA	0.056034	0.206029966	-0.066558173	0.13295513
CERS1	mRNA	0.089241856	0.043755641	-0.129333629	0.003402988
TBX20	mRNA	0.118193074	0.007481206	-0.144540135	0.001050671
AC018554.3	mRNA	0.07658553	0.083712363	-0.096189758	0.029696297
KCNB2	mRNA	0.071132948	0.108256461	-0.063185534	0.153794439

EFCAB8	mRNA	0.058571873	0.186192156	-0.068982386	0.119374362
RTP1	mRNA	0.045334664	0.306392799	-0.060572886	0.171571663
MTNR1A	mRNA	0.087227016	0.048755635	-0.064031397	0.148348836
AIRE	mRNA	0.016714201	0.706225089	-0.002282331	0.958953778
SLC10A6	mRNA	0.100467973	0.023128993	-0.08882721	0.044747754
LCE5A	mRNA	0.096331305	0.029455809	-0.128727212	0.003557699
PLCZ1	mRNA	0.065764174	0.137653442	-0.101369034	0.02191876
CYP2C19	mRNA	0.115999725	0.008673715	-0.146709343	0.00088006
TPO	mRNA	0.053261479	0.229403467	-0.060229409	0.174018441
COL20A1	mRNA	0.076047779	0.085913196	-0.113667837	0.010124637
SATL1	mRNA	0.083773097	0.058436814	-0.070189603	0.113028374
PTH	mRNA	0.02256101	0.610882313	-0.034656756	0.43436564
MCF2	mRNA	0.079755358	0.071647781	-0.071060259	0.108618416
TRIM49	mRNA	0.037572053	0.396690195	-0.03853303	0.384715461
SIX3	mRNA	0.077819649	0.078833448	-0.121422834	0.005991355
CT55	mRNA	0.064899757	0.142912433	-0.083425912	0.059492456
AC091980.2	mRNA	0.121960069	0.005771205	-0.183011623	3.15E-05
XAGE5	mRNA	0.043152319	0.330286891	-0.060188061	0.174314732
GAGE2A	mRNA	0.049117177	0.267750024	-0.064979715	0.142419618
KRTAP5-9	mRNA	0.068121048	0.124069864	-0.103122054	0.01972089
TMEM114	mRNA	0.049039894	0.26850454	-0.053740809	0.225233426
ERVV-1	mRNA	0.033630424	0.448104456	0.006647414	0.880843118
SPINK7	mRNA	0.057073351	0.197728105	-0.077210379	0.081212482
LRTM1	mRNA	0.050174554	0.257572692	-0.065812653	0.137362968
UGT2B15	mRNA	0.030869884	0.486253314	-0.051610434	0.244185421
SPANXD	mRNA	0.036369768	0.41198361	-0.029880063	0.500346649
NELL1	mRNA	0.083797841	0.058362173	-0.134473902	0.00231733
CHRND	mRNA	0.057011492	0.198215277	-0.056128466	0.205265146
FRMD7	mRNA	0.070834185	0.109750243	-0.071082031	0.108509903
NTSR1	mRNA	0.021769444	0.623456109	-0.03102034	0.484129977
MIA	mRNA	0.06246097	0.158578469	-0.010090623	0.819996994
MGAM2	mRNA	0.034755982	0.433050353	-0.008301155	0.851508642
TPTE	mRNA	0.07581237	0.0868912	-0.098020965	0.02671165
GOLGA6L6	mRNA	0.05105048	0.24934696	-0.044099376	0.319773818
ALDH8A1	mRNA	0.038091365	0.390191436	-0.071459245	0.106643395
C10orf120	mRNA	0.071770655	0.105121696	-0.112697118	0.010789584
KLK2	mRNA	0.076965494	0.082184917	-0.094204774	0.033250158
TRIM49B	mRNA	0.029151682	0.510853869	-0.030646564	0.489414191
MOGAT2	mRNA	0.034938306	0.430639573	-0.00452991	0.918637797
SYCP1	mRNA	0.079880122	0.07120362	-0.097073984	0.028221193
LELP1	mRNA	0.013978408	0.752588699	-0.011225987	0.800149655
TUBA3C	mRNA	0.01923664	0.66441522	-0.020894884	0.637476464
KLRF2	mRNA	0.049045014	0.268454511	-0.058083771	0.1898939
KRTAP19-5	mRNA	0.017831765	0.687582922	-0.001157612	0.979174297
CSN1S1	mRNA	0.026877918	0.544378477	-0.01443841	0.744725198
THSD7B	mRNA	0.096553456	0.029081744	-0.149774091	0.000682347
ADH1C	mRNA	0.060262824	0.173779276	-0.104892614	0.017698344
FAM19A4	mRNA	0.089719323	0.042636222	-0.11144654	0.011703131
REG4	mRNA	0.014037251	0.751581365	-0.032816986	0.459166037
UMODL1	mRNA	0.067440937	0.127877946	-0.059243091	0.181188903
C4orf51	mRNA	0.095014962	0.031758033	-0.134119207	0.002380604
ADCY2	mRNA	0.078165999	0.077506447	-0.08431253	0.056827435
INSL4	mRNA	0.029152133	0.510847325	0.021354694	0.630088554
ETV3L	mRNA	0.03645696	0.410862916	-0.038491852	0.385224014
CDH22	mRNA	0.046068278	0.298623728	-0.05397977	0.223174819
PRB1	mRNA	0.026281109	0.553355106	-0.032993001	0.456759631

PROKR1	mRNA	0.076350964	0.084666698	-0.080585054	0.068736159
CA7	mRNA	0.080675987	0.068423034	-0.09890795	0.025361328
ART3	mRNA	0.033910614	0.444329511	-0.037226901	0.401045279
IQCJ	mRNA	0.058623766	0.185801757	-0.05347978	0.227497571
KRT85	mRNA	0.016204309	0.714790182	-0.010581408	0.811402658
SNAP91	mRNA	0.057222533	0.19655683	-0.080709362	0.068308401
CHRNA9	mRNA	0.066727079	0.131971822	-0.066873384	0.131124639
SPATA21	mRNA	0.055465705	0.210674604	-0.062248767	0.160000621
GMNC	mRNA	0.035346976	0.425264215	-0.047259119	0.286294097
CT45A10	mRNA	0.101152708	0.022204187	-0.152162611	0.000557734
CACNG2	mRNA	0.0750938	0.089932021	-0.106835399	0.015689854
POM121L2	mRNA	0.087777266	0.04734484	-0.091542281	0.038581858
MUC7	mRNA	0.027425675	0.536203647	-0.023040626	0.603318733
SLC7A10	mRNA	0.035943006	0.417494905	-0.012540959	0.777323167
SPATA31A6	mRNA	0.032727293	0.460394996	-0.03853181	0.384730524
POTEH	mRNA	0.051494431	0.245248521	-0.045602442	0.303541662
CCDC140	mRNA	0.072928901	0.099612233	-0.099850785	0.023990962
TRDN	mRNA	0.092906653	0.035765512	-0.141889266	0.001300449
HHLA1	mRNA	0.070176261	0.113097033	-0.083119739	0.060436443
SLC7A14	mRNA	0.014442089	0.744662414	-0.019993814	0.652058324
SLC35G3	mRNA	0.050239871	0.256952906	-0.092385733	0.036819458
HYPM	mRNA	0.04408678	0.319912186	-0.047104109	0.287879323
MRGPRX1	mRNA	0.033330208	0.452169279	-0.016964467	0.702034604
CCDC197	mRNA	0.081673981	0.065062673	-0.06541178	0.13977911
CES5A	mRNA	0.048457479	0.274237473	-0.040478124	0.361161578
ATP4B	mRNA	0.012219459	0.782887204	-0.020153861	0.649458396
STAC2	mRNA	0.021681573	0.624858779	-0.003771296	0.932227337
SPINK8	mRNA	0.070594931	0.110958154	-0.058665588	0.185487554
PAGE5	mRNA	0.030085257	0.49740741	-0.006108796	0.890434586
SCN2A	mRNA	0.090781743	0.04023179	-0.161533645	0.000245717
GOLGA6L22	mRNA	0.069179287	0.118320721	-0.060885428	0.16936764
IGLL1	mRNA	0.072336261	0.102401862	0.036289775	0.41301337
UGT2A3	mRNA	0.025769556	0.561106521	-0.044575062	0.314576581
CALHM3	mRNA	0.021551459	0.626938248	-0.011652693	0.792722804
SLC22A2	mRNA	0.031787699	0.473378895	-0.020077459	0.650699004
USP26	mRNA	0.03535954	0.425099577	-0.041519743	0.348927263
CLPS	mRNA	0.073779831	0.095712878	-0.058100809	0.189763781
MANSC4	mRNA	0.025356575	0.567402282	-0.023454117	0.596831856
DPEP3	mRNA	0.034126129	0.441438277	-0.058938646	0.183445765
SIX6	mRNA	0.079025511	0.074291586	-0.088295222	0.046048274
FRG2C	mRNA	0.035181484	0.42743626	-0.060928635	0.169064621
KRTAP10-2	mRNA	0.101895204	0.021237769	-0.139833013	0.001530647
HTR1E	mRNA	0.049123229	0.267690998	-0.068061727	0.12439846
MYF6	mRNA	0.037868549	0.392971848	-0.030501272	0.491476567
FGB	mRNA	0.019906845	0.653472892	0.032836437	0.458899768
WSCD2	mRNA	0.08738437	0.048348644	-0.12326619	0.005266006
RPL10L	mRNA	0.044965039	0.310357327	-0.06667679	0.132264
ESRRB	mRNA	0.040488379	0.361039827	-0.013719256	0.757030123
DNTT	mRNA	0.020480389	0.644167231	-0.007028664	0.874064417
PPDPFL	mRNA	0.04457047	0.314626489	-0.032104305	0.468981536
UGT2A2	mRNA	0.044388986	0.316602978	-0.049064153	0.268267544
RNF113B	mRNA	0.015865928	0.720494177	-0.015973294	0.718682649
DMRTB1	mRNA	0.024375784	0.582487834	-0.029167991	0.510617351
GSTA1	mRNA	0.097984575	0.026768346	-0.198980012	5.83E-06
TMEM238L	mRNA	0.029000962	0.513042339	-0.033218541	0.453686508
C3orf30	mRNA	0.083373474	0.05965326	-0.045244381	0.307358052

TRIM49C	mRNA	0.055131761	0.213438891	-0.063376668	0.152550868
OCA2	mRNA	0.064302974	0.146631952	-0.075408147	0.088591433
FAM71E2	mRNA	0.088775236	0.044873435	-0.064761282	0.143768997
TGIF2LY	mRNA	0.03783795	0.39335461	-0.034290715	0.439237535
MUC6	mRNA	0.029535488	0.505303011	-0.017010557	0.701263849
PAQR9	mRNA	0.07004355	0.113781738	-0.055607106	0.209511945
GATA4	mRNA	0.109700998	0.013092448	-0.180368217	4.11E-05
CENPVL3	mRNA	0.067320745	0.128560249	-0.083056228	0.0606338
C20orf141	mRNA	0.048420187	0.274607379	-0.011410968	0.796927789
TXNDC8	mRNA	0.087351951	0.048432262	-0.068890383	0.119869186
PRB4	mRNA	0.030311951	0.494170882	-0.044862256	0.311465723
MC3R	mRNA	0.058601922	0.185966021	-0.048883216	0.270038654
TGM7	mRNA	0.052002164	0.240619302	-0.064276983	0.146795602
LCE3C	mRNA	0.050880336	0.250930271	-0.079435163	0.072798039
AC233724.6	mRNA	0.045125955	0.308627236	-0.025563814	0.564238783
ARGFX	mRNA	0.025032186	0.572371023	-0.039722122	0.370207066
DDX4	mRNA	0.062713298	0.156899852	-0.05367458	0.225806365
ATOH1	mRNA	0.04886554	0.270212096	-0.07073152	0.110267287
VSX1	mRNA	0.069622834	0.115973902	-0.01158146	0.793961336
CT45A5	mRNA	0.082898128	0.061127405	-0.114506005	0.009580026
RDH8	mRNA	0.07071259	0.110362835	-0.043850417	0.322516076
LDHC	mRNA	0.110626437	0.012338746	-0.121995895	0.005756786
PENK	mRNA	0.047110157	0.287817358	-0.056466558	0.202544728
ALPI	mRNA	0.012940669	0.770421461	-0.011054555	0.803138573
ZNF679	mRNA	0.056909435	0.199020929	-0.037042882	0.403378872
UGT2B10	mRNA	0.015909103	0.719765519	-0.013834783	0.755049182
TMEM235	mRNA	0.0482758	0.27604275	-0.050817312	0.251518526
GNAT3	mRNA	0.027458686	0.535712962	-0.029715896	0.50270481
MMP27	mRNA	0.053738879	0.225250107	-0.058966361	0.183239458
NKAIN3	mRNA	0.060780182	0.170107448	-0.008352913	0.850593633
CLDN8	mRNA	0.091297617	0.039106266	-0.162504124	0.00022513
GAGE12J	mRNA	0.03529657	0.425925095	-0.069024529	0.119148233
GHSR	mRNA	0.041183226	0.352850797	-0.063925066	0.149025201
MRLN	mRNA	0.084151701	0.05730337	-0.131609459	0.00287532
MS4A13	mRNA	0.051747115	0.242936958	-0.060368107	0.173027311
SPATA16	mRNA	0.048248901	0.276310719	-0.059370343	0.180251693
TMEM202	mRNA	0.043029656	0.331664691	-0.087544323	0.047937852
MDGA2	mRNA	0.069579951	0.116199191	-0.061435342	0.165541199
SKOR2	mRNA	0.024891618	0.574530514	-0.03712523	0.402333594
PLSCR5	mRNA	0.015767464	0.722156899	-0.016261814	0.713822402
FGFBP2	mRNA	0.066003858	0.136221909	-0.138881971	0.001649293
C8orf74	mRNA	0.066209129	0.135005046	-0.036545442	0.409727488
FMR1NB	mRNA	0.026272995	0.553477649	0.00531959	0.904516948
NPHS2	mRNA	0.02274575	0.607963989	-0.011534302	0.794781554
MEI4	mRNA	0.051700625	0.243361103	-0.070917902	0.109330038
FOXR2	mRNA	0.029989329	0.498780351	-0.032949339	0.457355906
HS6ST3	mRNA	0.067868413	0.125473989	-0.080720295	0.068270883
LRRTM1	mRNA	0.062699843	0.156989027	-0.099284524	0.0248061
CCDC190	mRNA	0.110674836	0.012300405	-0.224543742	2.91E-07
TRIM43B	mRNA	0.037618686	0.39610397	-0.020218712	0.648406119
TFDP3	mRNA	0.014088535	0.750703757	-0.012464945	0.778637683
IL31	mRNA	0.057048688	0.197922235	-0.086414235	0.050903798
BARHL1	mRNA	0.012792231	0.772982411	-0.021274931	0.631367518
LYPD2	mRNA	0.045355565	0.306168716	-0.040030947	0.366495186
OPRPN	mRNA	0.023281896	0.599529824	-0.04039521	0.362146836
SPIC	mRNA	0.02615195	0.555307276	-0.025136021	0.570778329

UGT2B7	mRNA	0.030930053	0.485403564	-0.038440827	0.385854753
ZNF723	mRNA	0.040206276	0.364398171	-0.039139622	0.377271459
PABPC1L2B	mRNA	0.070293432	0.112495197	-0.09201156	0.037592674
RFPL4B	mRNA	0.024697271	0.577522517	-0.028738351	0.516867067
SMYD1	mRNA	0.019865529	0.654145328	0.002757618	0.950416084
PNMA6E	mRNA	0.032447245	0.464243963	-0.048677015	0.272066786
GLRA4	mRNA	0.044203488	0.318631547	-0.031174851	0.481954636
ANKRD30BL	mRNA	0.061237826	0.166908028	-0.035972592	0.41711143
HTR3E	mRNA	0.043856055	0.322453811	-0.028745976	0.516755813
CABS1	mRNA	0.046155237	0.297711601	-0.035276934	0.426182711
KRTAP7-1	mRNA	0.025719981	0.561860496	-0.033866487	0.44492282
TBX22	mRNA	0.026366118	0.552072088	-0.036632714	0.408609405
SMR3B	mRNA	0.016955902	0.702177875	-0.019441643	0.661060455
GSX2	mRNA	0.051573678	0.244521918	-0.082135052	0.06355668
OR8D1	mRNA	0.020418384	0.645170608	-0.019646499	0.657714863
GABRA1	mRNA	0.042231538	0.340719712	-0.04101312	0.354844654
GBX1	mRNA	0.034449966	0.437114112	-0.044344664	0.317086903
PIRT	mRNA	0.030265756	0.494829502	-0.027692318	0.532246628
DNMT3L	mRNA	0.032521261	0.463224955	-0.007663587	0.862796024
KRTAP16-1	mRNA	0.048160789	0.277189741	-0.069124225	0.118614628
LHFPL4	mRNA	0.042578297	0.336766338	-0.020796302	0.63906514
NLRP13	mRNA	0.018587728	0.675078337	-0.032296723	0.466320082
VSTM2B	mRNA	0.026653144	0.547750835	-0.031438824	0.478250508
PRSS55	mRNA	0.027903494	0.52912325	-0.023069742	0.602860919
MYPN	mRNA	0.019155677	0.665742003	-0.011602877	0.79358889
SAMD7	mRNA	0.016123459	0.716151627	-0.026324766	0.552696021
EIF4E1B	mRNA	0.014918872	0.736540187	0.010836517	0.806944204
GH2	mRNA	0.05705632	0.197862149	-0.027359161	0.537193022
MTNR1B	mRNA	0.043174022	0.330043507	-0.022248096	0.615839478
CLEC3A	mRNA	0.053945061	0.223472993	-0.024137397	0.586182474
ADIPOQ	mRNA	0.023600319	0.594545826	-0.009788833	0.825292562
TMEM196	mRNA	0.036205265	0.414102921	-0.031890372	0.471950391
H2AFB1	mRNA	0.034793708	0.432550881	-0.026554646	0.54923186
MYOG	mRNA	0.026150985	0.555321875	-0.013844415	0.754884095
LGII	mRNA	0.027005808	0.54246431	-0.013331347	0.763693174
ADGRG7	mRNA	0.039876711	0.368346099	-0.047587049	0.282959882
DEFB4B	mRNA	0.038595794	0.383941103	-0.055711983	0.208652596
CNGA2	mRNA	0.019560493	0.659118629	-0.023674354	0.593389738
ZNF729	mRNA	0.041729949	0.346490497	-0.043084989	0.331042713
hsa-miR-30a-5p	miRNA	-0.82802019	5.41E-130	0.859108219	3.50E-150
hsa-miR-30d-5p	miRNA	-0.74788582	1.26E-92	0.782456495	8.79E-107
hsa-miR-338-5p	miRNA	-0.80555921	8.83E-118	0.834040646	1.43E-133
hsa-miR-101-3p	miRNA	-0.81372467	4.99E-122	0.803850337	6.45E-117
hsa-miR-30a-3p	miRNA	-0.80695951	1.71E-118	0.842526402	7.24E-139
hsa-miR-144-5p	miRNA	-0.7210296	3.91E-83	0.693066448	2.28E-74
hsa-miR-486-5p	miRNA	-0.72187436	2.05E-83	0.712457429	2.46E-80
hsa-miR-30c-2-3p	miRNA	-0.79358963	6.61E-112	0.824571221	5.26E-128
hsa-miR-126-5p	miRNA	-0.76640709	6.62E-100	0.798985647	1.66E-114
hsa-miR-451a	miRNA	-0.65910825	5.46E-65	0.635674053	3.38E-59
hsa-miR-218-5p	miRNA	-0.75685986	4.52E-96	0.743981547	3.58E-91
hsa-miR-139-5p	miRNA	-0.69970244	2.34E-76	0.72459677	2.49E-84
hsa-miR-139-3p	miRNA	-0.75149587	5.39E-94	0.751674469	4.61E-94
hsa-miR-338-3p	miRNA	-0.61949488	1.75E-55	0.68175383	4.20E-71
hsa-miR-210-3p	miRNA	0.327021058	3.36E-14	-0.439560531	1.49E-25
hsa-miR-144-3p	miRNA	-0.61013978	1.97E-53	0.555116523	1.21E-42
hsa-miR-133a-3p	miRNA	-0.72359247	5.43E-84	0.748327669	8.59E-93

hsa-miR-140-3p	miRNA	-0.6880627	6.61E-73	0.718972452	1.88E-82
hsa-miR-205-5p	miRNA	0.333462753	9.77E-15	-0.47425277	5.11E-30
hsa-miR-133b	miRNA	-0.72729544	3.02E-85	0.715975632	1.80E-81
hsa-miR-205-3p	miRNA	0.32678002	3.51E-14	-0.471610481	1.17E-29
hsa-miR-4652-5p	miRNA	0.195171895	8.83E-06	-0.277786858	1.66E-10
hsa-miR-944	miRNA	0.252868401	6.77E-09	-0.418438559	4.45E-23
hsa-miR-4732-3p	miRNA	-0.68643891	1.94E-72	0.675764771	1.97E-69
hsa-miR-196b-5p	miRNA	0.233869162	8.89E-08	-0.301080951	3.62E-12
hsa-miR-218-1-3p	miRNA	-0.65779333	1.19E-64	0.705326782	4.38E-78
hsa-miR-326	miRNA	-0.65116851	5.72E-63	0.703737384	1.36E-77
hsa-miR-708-5p	miRNA	0.284903282	5.34E-11	-0.385337421	1.56E-19
hsa-miR-4777-3p	miRNA	-0.63591502	2.96E-59	0.69329144	1.95E-74
hsa-miR-1-3p	miRNA	-0.65639357	2.72E-64	0.682021843	3.53E-71
hsa-miR-130b-5p	miRNA	0.32084041	1.07E-13	-0.421427784	2.03E-23
hsa-miR-3065-3p	miRNA	-0.63234852	2.04E-58	0.613847482	3.09E-54
hsa-miR-183-5p	miRNA	0.268952479	6.45E-10	-0.371995898	3.24E-18
hsa-miR-130b-3p	miRNA	0.284265476	5.92E-11	-0.409788539	4.10E-22
hsa-miR-629-3p	miRNA	0.288938854	2.77E-11	-0.305480294	1.69E-12
hsa-miR-708-3p	miRNA	0.270282189	5.27E-10	-0.366998688	9.75E-18
hsa-miR-96-5p	miRNA	0.267260009	8.32E-10	-0.375099915	1.62E-18
hsa-miR-183-3p	miRNA	0.265237365	1.13E-09	-0.356999958	8.34E-17
hsa-miR-149-5p	miRNA	0.242665366	2.77E-08	-0.320215574	1.20E-13
hsa-miR-6499-3p	miRNA	0.15066219	0.000633273	-0.213505674	1.11E-06
hsa-miR-490-3p	miRNA	-0.32880405	2.39E-14	0.326233701	3.89E-14
hsa-miR-6499-5p	miRNA	0.202344772	4.01E-06	-0.285961844	4.50E-11
hsa-miR-345-5p	miRNA	0.250271095	9.74E-09	-0.317867019	1.84E-13
hsa-miR-196a-5p	miRNA	0.12616709	0.004283614	-0.143359419	0.001155887
hsa-miR-9-5p	miRNA	0.148705475	0.000746061	-0.195265639	8.74E-06
hsa-miR-744-3p	miRNA	0.252158086	7.48E-09	-0.334582061	7.86E-15
hsa-miR-301a-5p	miRNA	0.250642046	9.25E-09	-0.307125399	1.27E-12
hsa-miR-301b-3p	miRNA	0.230124075	1.44E-07	-0.323440235	6.58E-14
hsa-miR-1910-5p	miRNA	0.204765188	3.06E-06	-0.290271821	2.23E-11
hsa-miR-455-3p	miRNA	0.218407091	6.18E-07	-0.22270856	3.66E-07
hsa-miR-31-3p	miRNA	0.152896964	0.000523895	-0.149577294	0.000693688
hsa-miR-577	miRNA	0.146218762	0.000916237	-0.195962656	8.11E-06
hsa-miR-182-5p	miRNA	0.226152736	2.38E-07	-0.31335515	4.18E-13
hsa-miR-3662	miRNA	0.17692917	5.78E-05	-0.241622093	3.19E-08
hsa-miR-616-5p	miRNA	0.21879465	5.90E-07	-0.248364457	1.27E-08
hsa-miR-1269a	miRNA	0.156755761	0.000375333	-0.168800947	0.000126077
hsa-miR-224-5p	miRNA	0.17876987	4.82E-05	-0.276676411	1.97E-10
hsa-miR-877-5p	miRNA	0.230170707	1.43E-07	-0.293446945	1.32E-11
hsa-miR-6510-3p	miRNA	0.143760164	0.001119133	-0.197970128	6.52E-06
hsa-miR-503-5p	miRNA	0.215354699	8.92E-07	-0.186343749	2.24E-05
hsa-miR-1258	miRNA	-0.44670478	1.97E-26	0.478323169	1.42E-30
hsa-miR-615-3p	miRNA	0.133438348	0.0025065	-0.161222553	0.000252681
hsa-miR-9-3p	miRNA	0.104565037	0.018058268	-0.122738218	0.005465219
hsa-miR-7974	miRNA	0.189716653	1.58E-05	-0.289601545	2.49E-11
hsa-miR-33a-5p	miRNA	0.2043672	3.20E-06	-0.317983465	1.81E-13
hsa-miR-767-5p	miRNA	0.137611134	0.001821013	-0.187763744	1.94E-05
hsa-miR-33b-5p	miRNA	0.17016476	0.000110892	-0.23712345	5.81E-08
hsa-miR-5579-3p	miRNA	0.172746524	8.67E-05	-0.264476075	1.26E-09
hsa-miR-4766-3p	miRNA	0.20917228	1.85E-06	-0.268173065	7.25E-10
hsa-miR-760	miRNA	0.176186497	6.22E-05	-0.234331098	8.37E-08
hsa-miR-365a-5p	miRNA	0.2137506	1.08E-06	-0.22795397	1.90E-07
hsa-miR-4778-3p	miRNA	0.122763274	0.005455614	-0.191750222	1.27E-05
hsa-miR-4449	miRNA	0.10678458	0.015739732	-0.161686069	0.000242371

hsa-miR-1254	miRNA	0.205517715	2.81E-06	-0.243304469	2.54E-08
hsa-miR-4664-3p	miRNA	0.201990435	4.18E-06	-0.24201281	3.03E-08
hsa-miR-135b-5p	miRNA	0.170092396	0.000111653	-0.12557786	0.004468591
hsa-miR-3200-3p	miRNA	0.13951332	0.001569626	-0.216699533	7.60E-07
hsa-miR-4713-5p	miRNA	0.185086342	2.55E-05	-0.252218856	7.41E-09
hsa-miR-891a-5p	miRNA	0.029024478	0.512700564	-0.057470961	0.194617591
hsa-miR-573	miRNA	0.162831314	0.000218561	-0.215564382	8.70E-07
hsa-miR-1293	miRNA	0.122947262	0.005385546	-0.183832243	2.90E-05
hsa-miR-1248	miRNA	0.141020252	0.001393544	-0.208973391	1.89E-06
hsa-miR-7112-3p	miRNA	0.168880385	0.000125141	-0.223086005	3.49E-07
hsa-miR-767-3p	miRNA	0.126879274	0.004069294	-0.144746938	0.001033178
hsa-miR-4664-5p	miRNA	0.177429719	5.51E-05	-0.242446752	2.85E-08
hsa-miR-25-5p	miRNA	0.170843597	0.000103992	-0.229862119	1.49E-07
hsa-miR-7641	miRNA	0.111061395	0.011997936	-0.166191226	0.000160728
hsa-miR-6728-5p	miRNA	0.15395516	0.000478477	-0.168493162	0.000129764
hsa-miR-6512-3p	miRNA	0.153356694	0.000503692	-0.27795657	1.61E-10
hsa-miR-296-3p	miRNA	0.163688066	0.0002022	-0.19395475	1.01E-05
hsa-miR-147b	miRNA	0.132689677	0.002651924	-0.076537699	0.083906255
hsa-miR-4665-5p	miRNA	0.146264784	0.000912785	-0.222972543	3.54E-07
hsa-miR-149-3p	miRNA	0.151803698	0.000575001	-0.199760455	5.35E-06
hsa-miR-20b-3p	miRNA	0.112796436	0.010719816	-0.168016898	0.000135669
hsa-miR-556-3p	miRNA	0.153545113	0.000495624	-0.201099768	4.61E-06
hsa-miR-514b-5p	miRNA	0.045556457	0.304030029	-0.077717387	0.079228759
hsa-miR-3607-5p	miRNA	0.091797047	0.038042138	-0.085176063	0.054327767
hsa-miR-1911-5p	miRNA	0.091560615	0.038542801	-0.134313664	0.002345722
hsa-miR-206	miRNA	-0.07260672	0.101121207	0.073457164	0.097176897
hsa-miR-5682	miRNA	0.052415595	0.236895465	-0.076251263	0.085074985
hsa-miR-374c-5p	miRNA	0.095058484	0.031679526	-0.086159479	0.051593167
hsa-miR-137	miRNA	0.075433812	0.088482692	-0.032148107	0.468374946
hsa-miR-892a	miRNA	0.04698615	0.289089593	-0.085252412	0.054111231
hsa-miR-891b	miRNA	0.054892606	0.215434516	-0.097047319	0.028264739
hsa-miR-483-5p	miRNA	0.038154649	0.389403926	-0.047918566	0.279615968
hsa-miR-3161	miRNA	0.058457756	0.187052819	-0.037449368	0.398234944
hsa-miR-892b	miRNA	0.045147267	0.308398577	-0.086674161	0.050208382
hsa-miR-129-1-3p	miRNA	0.063410148	0.152333832	-0.11633584	0.008480627
hsa-miR-383-5p	miRNA	0.052919557	0.232411377	-0.074576639	0.092172934
hsa-miR-888-5p	miRNA	0.032903588	0.457981171	-0.060074101	0.175133281
hsa-miR-513c-5p	miRNA	0.056974829	0.198504422	-0.094944776	0.03188499
hsa-miR-4501	miRNA	0.041480877	0.349378992	-0.055063435	0.214007679
hsa-miR-449b-5p	miRNA	0.025250398	0.569026352	-0.026403741	0.551504711