

Table S1. The DEGs in GSE65127.

DEG	logFC	AveExpr	t	P.Value	adj.P.Val	B
ARNTL	1.644545	8.4443375	5.6927939	1.19E-05	0.0037527	3.4209652
SNORA21	1.14966	7.29033	2.3625815	0.0278783	0.2713197	-3.817275
LOC439911	1.04078	7.58346	2.4153998	0.0249188	0.260714	-3.717524
GPR115	1.038345	9.5473725	6.6963486	1.26E-06	0.0005991	5.5263752
ACYP1	0.98998	10.4765	10.539753	7.67E-10	1.35E-06	12.192185
FAM124B	0.98569	6.217835	2.998245	0.00685	0.1634406	-2.546897
PRKX	0.97586	7.80969	7.9774819	8.63E-08	7.35E-05	7.9982888
LEMD1	0.96505	5.327075	3.6784022	0.0013983	0.0758929	-1.070673
ALDH8A1	0.96258	5.03514	3.1709591	0.0046038	0.1381283	-2.180447
CLDN2	0.91131	5.777165	3.8119107	0.0010179	0.0631181	-0.773037
HMMR-AS1	0.89965	4.626265	3.4938563	0.0021639	0.0964636	-1.478867
HIST1H3C	0.8977	7.44549	2.1928143	0.0397246	0.3067127	-4.129203
IL18R1	0.89362	6.89379	2.6455796	0.0151249	0.2200571	-3.269381
NME9	0.88168	6.50452	3.2663695	0.0036886	0.1269239	-1.975146
PDCL2	0.85904	3.27426	4.1671644	0.0004358	0.0403034	0.0249211
PDPK1	0.84631	8.674515	7.3265524	3.28E-07	0.0002095	6.7740716
SOX21-AS1	0.81537	7.761475	3.1947835	0.0043565	0.1342519	-2.12936
CALM1	0.79941	10.576835	2.5772664	0.0175694	0.2333881	-3.40454
PSAT1	0.791875	9.7747925	4.0353041	0.0005973	0.0483991	-0.271975
C1QTNF9B-AS1	0.78397	8.449855	2.7865178	0.0110598	0.1998272	-2.985321
EIF3C	0.78231	6.546015	2.4870748	0.0213676	0.2470189	-3.580248
PTGS2	0.777745	5.8246225	2.7541929	0.0118883	0.2055529	-3.051062
PPIH	0.77669	10.559095	4.2556266	0.0003527	0.0367738	0.2243517
ANKHD1	0.77294	7.90897	2.3232764	0.030288	0.2795459	-3.890698
DIO2	0.77101	7.569209	3.4464118	0.0024197	0.1021302	-1.58307
MMP3	0.76901	3.845285	2.1461656	0.0437023	0.3139876	-4.212448
C14orf142	0.76702	7.52336	2.2768078	0.0333836	0.2877404	-3.976584
MTPN	0.74714	8.99161	2.7071894	0.0131989	0.2124909	-3.14604
ZNF566	0.74369	5.969865	2.4711399	0.0221137	0.2503131	-3.610953
LOC102724356	0.74103	8.381405	2.769834	0.0114803	0.2032089	-3.019294
TTK	0.73852	5.83075	3.5968563	0.0016965	0.0855001	-1.251564
UNC5CL	0.73683	6.949285	2.9111179	0.0083525	0.1741234	-2.728877
SLC6A9	0.73106	5.95652	4.0724517	0.0005466	0.0462139	-0.188395
SRSF4	0.726774	7.767425	2.4738296	0.0219861	0.2498385	-3.605777
GRAMD1C	0.72269	9.677405	4.2930303	0.0003225	0.0351035	0.3087059
NUF2	0.7206	7.16013	4.1737774	0.000429	0.0398973	0.0398243
LOC101927365	0.7188	7.86394	2.2648119	0.0342286	0.290737	-3.998591
ZIC2	0.71464	6.33446	2.1434198	0.0439473	0.3149945	-4.217313
MIEF2	0.7115	9.54388	3.6572619	0.0014702	0.0791669	-1.11764
NEIL3	0.70248	7.17157	3.5363508	0.0019574	0.0912352	-1.385261
LINC00216	0.69575	4.594945	2.8129892	0.0104225	0.1931751	-2.931236
MTHFD2	0.69343	9.291575	4.1797634	0.0004229	0.0397227	0.0533156
TMEM70	0.6876867	9.1329333	6.5339741	1.80E-06	0.0008167	5.1952211
C2CD4A	0.68335	3.578355	2.6575639	0.0147306	0.2179193	-3.245494
PUS7L	0.68309	7.1011	2.6543697	0.0148347	0.2182228	-3.251866
SKA1	0.68182	4.36759	2.8538304	0.0095075	0.1833581	-2.847364
NCAPH	0.6772	5.75192	3.8412467	0.0009492	0.0613692	-0.707427
CDCA8	0.67522	6.69106	3.1743669	0.0045676	0.1374455	-2.173147
SHCBP1	0.67341	5.696855	3.8208057	0.0009966	0.0629392	-0.75315
KIF18A	0.6704	5.03686	3.4026865	0.0026815	0.1072026	-1.678798
LINC00115	0.66969	6.274665	3.5088294	0.0020888	0.0948592	-1.445914
DEPDC1	0.6663975	5.4671088	3.9900509	0.0006655	0.0511261	-0.373711
CKAP2L	0.66617	7.071195	3.1574099	0.0047505	0.1390904	-2.209446
ECT2	0.66563	6.7406617	2.8858022	0.0088453	0.1776184	-2.781356
TXK	0.66463	5.616595	2.5381749	0.0191305	0.2404439	-3.48109
SFSWAP	0.66394	8.042405	3.1499893	0.0048327	0.1395866	-2.225311
MED9	0.66272	8.51012	3.9417209	0.0007469	0.0545235	-0.482249

HNRNPA1	0.65986	9.8957633	3.588862	0.0017289	0.0865621	-1.269255
HTATSF1	0.658185	8.7413975	6.0188168	5.67E-06	0.0021087	4.1197489
LANCL3	0.65424	5.04416	2.620796	0.0159721	0.2255496	-3.318615
BTBD16	0.65336	8.89512	2.9964985	0.0068774	0.1634772	-2.550565
NME8	0.65177	4.585775	2.9749426	0.0072243	0.1657976	-2.59577
SGPP1	0.65142	7.96481	2.8716749	0.0091323	0.1799453	-2.81056
DLX3	0.64915	9.469965	3.840489	0.0009509	0.0613692	-0.709123
RHEBL1	0.647315	6.2825125	3.803619	0.0010382	0.0638348	-0.791569
CATR1	0.64598	3.11421	2.8760583	0.0090423	0.1797951	-2.801505
LINC01300	0.64564	5.45066	2.1644516	0.0421019	0.311667	-4.179949
PHF5A	0.64107	8.560195	5.1438942	4.27E-05	0.0087498	2.2174779
IGF2R	0.64016	8.729685	3.5293274	0.0019901	0.0922941	-1.400749
CYP24A1	0.64014	4.325	2.207992	0.0385031	0.3038602	-4.101881
NPAS2	0.639316	7.600456	5.5174295	1.79E-05	0.0050777	3.0398613
DEPDC1B	0.63886	6.00351	3.8293004	0.0009766	0.062645	-0.734153
PMS2L2	0.63854	7.20269	3.7555613	0.001164	0.0676667	-0.898861
SNRNP40	0.63503	8.134295	2.8544884	0.0094934	0.183259	-2.846009
PPTC7	0.6350067	9.5574933	3.5312028	0.0019813	0.0921412	-1.396614
TBC1D12	0.63455	7.297655	4.416076	0.0002403	0.0290994	0.5862208
CRY1	0.63322	9.05238	3.7748962	0.0011117	0.0663201	-0.855719
LOC200830	0.63201	5.431835	5.4319524	2.18E-05	0.0058659	2.852883
LOC101927044	0.6319	6.98478	2.4052981	0.0254613	0.26243	-3.736696
LOC100505915	0.63166	6.4994	2.3166846	0.0307104	0.281047	-3.902942
TFAP2E	0.62863	6.894405	3.0972886	0.0054577	0.1499001	-2.337624
RNF145	0.6283233	8.174965	3.4461504	0.0024212	0.1021302	-1.583643
CDCA5	0.62756	7.8472	3.2425346	0.0038991	0.1290124	-2.026608
PLA2G2F	0.62671	5.796845	3.546762	0.0019098	0.0898372	-1.36229
LOC344887	0.62536	8.10112	2.4334246	0.0239774	0.2583393	-3.683206
LOC284242	0.62426	7.98381	3.1573221	0.0047515	0.1390904	-2.209634
HRASLS	0.623505	7.7913175	2.4524416	0.0230201	0.2545192	-3.646848
LOC101928388	0.622905	5.8410075	2.5642819	0.0180741	0.235113	-3.430032
TCEB3-AS1	0.62114	8.55345	2.2513344	0.0352013	0.2932771	-4.023233
PRRG1	0.62073	8.860435	3.0019016	0.006793	0.1633975	-2.539215
ABCD3	0.618865	9.3627125	2.9668527	0.0073587	0.1668023	-2.612703
LOC101929719	0.61875	5.992405	2.1532608	0.0430749	0.3126357	-4.199859
DVL1	0.61733	10.539185	4.5530684	0.0001733	0.023483	0.8949938
CDC25C	0.6170733	5.0545833	3.9777985	0.0006853	0.0519339	-0.401239
POLE2	0.61646	8.30043	3.1085913	0.0053174	0.1479255	-2.31359
PLCG1-AS1	0.61627	7.486875	2.1694854	0.0416708	0.310758	-4.170972
L3MBTL3	0.61624	7.22876	2.5736634	0.0177081	0.233712	-3.41162
UPRT	0.61466	9.71367	6.3950443	2.44E-06	0.0010405	4.9088387
PANX1	0.613495	8.134205	3.675189	0.001409	0.0762716	-1.077815
WRN	0.61249	9.692865	3.72417	0.0012543	0.0710137	-0.968832
CEP85	0.61044	6.90887	3.7769417	0.0011063	0.066191	-0.851153
LOC100630918	0.60746	7.66917	2.3838886	0.0266473	0.2682035	-3.777182
CHIC2	0.60471	9.374165	3.7718805	0.0011197	0.0664105	-0.86245
TTC32	0.60398	9.19502	2.9767621	0.0071944	0.1657976	-2.591959
MRPL47	0.60258	9.50349	2.7276114	0.0126135	0.2093174	-3.104865
GTF2E1	0.60136	8.91849	4.2840891	0.0003295	0.0356723	0.2885403
KIF14	0.596435	5.9142275	3.2330795	0.0039858	0.1295711	-2.04699
PEX5	0.594305	7.8410075	6.7850007	1.04E-06	0.0005183	5.7055311
TMEM185A	0.594225	8.0288825	3.7325904	0.0012294	0.0699145	-0.950072
NCAPG	0.592845	7.9416425	3.4753249	0.0022605	0.0978968	-1.519608
NLRP10	0.59249	8.078005	2.4610639	0.0225979	0.2529674	-3.630314
ORC2	0.591245	9.2043975	5.1821719	3.91E-05	0.0086784	2.3023461
EREG	0.59095	8.43152	2.5194557	0.0199233	0.2422281	-3.517535
TSPAN5	0.5897567	9.9544083	3.0909244	0.0055383	0.150632	-2.351143
TMED2	0.58857	9.7491583	2.4798523	0.0217028	0.2483684	-3.594178
ATP10D	0.58494	10.83103	3.7647864	0.0011388	0.0667669	-0.878281

DHX33	0.583825	9.9981475	3.0763416	0.0057272	0.1531908	-2.382085
SEMA4C	0.58363	8.16885	5.4979501	1.87E-05	0.0052282	2.9973186
C9	0.58363	3.542965	2.3040446	0.0315357	0.2844828	-3.926365
HMMR	0.58288	7.663975	3.3818248	0.0028161	0.110388	-1.724362
ZWINT	0.57967	10.022365	4.4899853	0.0002014	0.0257626	0.7528528
LOC153577	0.57712	5.30752	2.9899554	0.006981	0.164001	-2.564299
LINC00324	0.57604	8.2756	4.0604745	0.0005624	0.0471663	-0.215349
ARL13B	0.57561	7.465975	2.9509053	0.0076308	0.1682831	-2.646032
KBTBD8	0.57532	6.21287	2.8289864	0.0100545	0.1889228	-2.898445
IFI44L	0.57449	8.021205	2.2678765	0.0340109	0.290092	-3.992975
DCPS	0.57215	9.007415	6.6234319	1.48E-06	0.0006865	5.3781445
UBE2C	0.57148	8.41696	3.3400783	0.0031054	0.1163783	-1.815318
RGS18	0.57115	7.569095	2.0941565	0.0485595	0.3268738	-4.30393
GPR63	0.56988	4.17781	4.2061772	0.000397	0.0380605	0.1128555
NMU	0.56741	11.741375	4.1158377	0.0004927	0.0429014	-0.090713
ANLN	0.566335	7.5436975	3.1593612	0.0047291	0.1390325	-2.205272
PARN	0.56615	9.240785	4.5228671	0.0001862	0.0246162	0.8269548
N4BP2L2-IT2	0.56446	5.94777	4.0119054	0.0006317	0.0497726	-0.324591
PARP12	0.56305	9.947145	3.263801	0.0037108	0.1270625	-1.980697
CEBPG	0.562505	11.002823	4.5283474	0.0001838	0.0245841	0.8393027
CDCA3	0.561665	7.3440875	2.5623955	0.0181486	0.2353335	-3.43373
HTR2B	0.5603	7.60944	2.0992835	0.0480599	0.3254526	-4.294976
FZD6	0.55893	9.368185	3.952048	0.0007287	0.0536384	-0.459067
RASSF5	0.556365	8.9421975	3.7508144	0.0011773	0.0680484	-0.909448
PTGS1	0.55632	10.75375	4.6323835	0.0001434	0.0219036	1.0735527
KRT78	0.556025	9.7714425	2.7643801	0.011621	0.2041515	-3.030381
MAN2A1	0.5558	9.0042967	3.089958	0.0055506	0.150632	-2.353195
F2RL1	0.553005	8.0514175	2.2550342	0.0349318	0.2925804	-4.016477
KIF18B	0.55263	8.161235	2.2718911	0.0337276	0.2893549	-3.985612
ZDHHC13	0.55209	8.980055	2.5154324	0.0200976	0.2429046	-3.52535
AKIRIN1	0.5497067	9.0690833	2.6605712	0.0146332	0.2179193	-3.239492
VMP1	0.5488	5.8271	3.258364	0.0037581	0.1270625	-1.992443
SRSF1	0.5485525	8.9538075	3.961954	0.0007117	0.0528807	-0.436825
PLS1	0.54653	7.067365	3.2137606	0.0041688	0.1324572	-2.088581
PAK6	0.545865	9.7287925	4.2134227	0.0003902	0.0380605	0.1291901
MAD2L1	0.5454933	7.29845	3.5995923	0.0016855	0.0851579	-1.245507
VCPKMT	0.54339	7.30096	3.4153481	0.002603	0.1067094	-1.65111
LSM2	0.54258	8.74911	3.9132916	0.0007994	0.0560163	-0.546031
GRWD1	0.54195	9.251195	5.9576632	6.51E-06	0.0023537	3.9896922
LOC101926943	0.53921	7.915585	2.2891674	0.0325331	0.2860494	-3.953839
C22orf23	0.53915	5.277935	3.9007448	0.0008237	0.0568997	-0.574164
ABCC4	0.5374425	5.7584638	3.7115078	0.0012926	0.0722635	-0.997029
AP1S1	0.53726	9.2778833	2.4554209	0.0228734	0.2534034	-3.641139
IL7	0.53641	7.459805	2.2029806	0.0389026	0.3046402	-4.110915
PAGR1	0.535685	8.8189175	6.2173242	3.63E-06	0.0014269	4.538509
GFM2	0.5344233	7.695795	3.1153979	0.0052346	0.1463256	-2.299102
MAGEF1	0.53422	9.13554	6.7708602	1.07E-06	0.0005217	5.6770333
LACTB	0.5338033	7.611705	4.3458668	0.0002842	0.0321341	0.4278765
PHOSPHO2	0.53298	7.49364	2.6682318	0.0143878	0.2173935	-3.224187
CENPJ	0.53064	7.2767767	2.914496	0.0082888	0.173805	-2.72186
LOC101928896	0.53023	4.30865	3.414664	0.0026072	0.1067094	-1.652606
ZNF436	0.529125	9.6792825	6.3629795	2.62E-06	0.0010944	4.8423503
RHBG	0.52902	8.32461	2.7929359	0.0109019	0.1988194	-2.972229
ZNF569	0.52837	6.888015	4.6216359	0.0001472	0.0220262	1.0493692
MAP4K3	0.52774	10.26439	2.8550907	0.0094805	0.1831831	-2.844768
RCN2	0.527225	10.779398	4.4196781	0.0002383	0.0290218	0.5943435
NFYB	0.52661	8.6288225	3.1955778	0.0043485	0.1342069	-2.127655
ATAD2B	0.5261933	7.1741867	3.8830077	0.0008593	0.0582462	-0.613917
TNF	0.52491	6.516205	2.7288257	0.0125794	0.2091864	-3.102413

C8orf88	0.524685	6.4551325	2.3732101	0.0272579	0.2700969	-3.797301
PRPF4	0.5244	8.76158	3.4804627	0.0022333	0.0973424	-1.508318
MAFG	0.524185	8.0915225	6.9442841	7.37E-07	0.0003865	6.0244612
GPR111	0.52263	6.008965	2.5665416	0.0179853	0.2347037	-3.425601
ARFGAP3	0.52227	10.686825	3.0306133	0.0063611	0.1598608	-2.478775
SYTL2	0.5194933	6.5476633	2.9197452	0.0081907	0.1733536	-2.710951
ARSK	0.5184933	5.95551	3.7577252	0.0011581	0.0675111	-0.894035
CPOX	0.51556	9.08616	3.295569	0.0034458	0.1236041	-1.911952
HARBI1	0.51478	6.57571	4.1159611	0.0004926	0.0429014	-0.090435
CKS2	0.51103	10.451855	3.2797071	0.0035757	0.1257589	-1.946301
GZMH	0.51053	6.314165	2.2092886	0.0384004	0.3038602	-4.099542
ZNF252P-AS1	0.51039	4.633965	3.0804985	0.0056728	0.1523306	-2.37327
FAR1	0.5086433	8.215685	3.0817147	0.0056569	0.1523048	-2.37069
MED6	0.50853	8.5994083	3.2622406	0.0037243	0.1270625	-1.984069
MOB1B	0.50822	11.27866	2.569736	0.0178605	0.2341196	-3.419332
MTERF2	0.5066	9.491385	3.2364624	0.0039546	0.1293336	-2.0397
API5	0.50616	7.816902	2.9980379	0.0068533	0.1634406	-2.547332
PRPF19	0.50578	8.2301	3.3132114	0.0033067	0.1208765	-1.873692
ZNF90	0.50574	4.14299	2.3337841	0.0296257	0.2778612	-3.871138
TAF7L	0.504555	5.0063575	2.3568392	0.028219	0.2723664	-3.828045
ATP6V0A1	0.50318	8.10382	3.5568799	0.0018647	0.089007	-1.339952
ANKRD49	0.50251	9.623245	2.5107958	0.0203003	0.2433422	-3.534348
CHEK2	0.50148	8.25672	3.8472918	0.0009356	0.0609715	-0.693899
EPPK1	0.50127	9.743761	2.9054822	0.0084599	0.1745115	-2.740575
LOC286071	0.50113	6.976315	2.1100852	0.0470226	0.3226287	-4.276064
LMO1	0.50096	6.39141	2.6799489	0.01402	0.2149864	-3.200739
FYTTD1	0.500885	9.2224725	3.3107691	0.0033257	0.1210847	-1.878992
LINC00592	0.50063	8.254465	2.2471245	0.0355102	0.2935801	-4.030912
EPB41L4A-AS1	0.499295	10.446673	3.1075274	0.0053305	0.1479943	-2.315854
FAM107B	0.49894	10.027715	3.3690375	0.0029018	0.1122422	-1.752255
FLJ41455	0.49873	4.624365	2.6408236	0.0152841	0.2210201	-3.278847
TXNL1	0.4984133	9.12399	3.6494946	0.0014975	0.0800705	-1.134884
ZCCHC4	0.4979267	6.1085867	2.3878542	0.0264239	0.2672716	-3.769698
HCP5	0.4976	9.33488	2.6642738	0.0145141	0.2177324	-3.232097
OVOL1	0.497365	8.3141075	2.7460275	0.0121067	0.2071303	-3.067614
ARHGAP12	0.49678	9.55888	3.0954546	0.0054808	0.1501315	-2.341521
C6orf141	0.495985	6.6502975	2.3532513	0.0284338	0.2732793	-3.834767
TMTC3	0.4957667	10.257147	4.2076756	0.0003956	0.0380605	0.1162335
MDFIC	0.4956	7.82164	3.4891829	0.0021878	0.0966173	-1.489146
B4GALT4	0.494825	9.8979375	5.5856795	1.53E-05	0.0045912	3.1885925
RBM34	0.49481	3.645805	3.3417873	0.003093	0.1161265	-1.811601
MED10	0.49445	9.041525	3.5484461	0.0019023	0.0898372	-1.358572
RAD51AP1	0.49388	7.42765	3.5587224	0.0018566	0.0889696	-1.335882
ZNF330	0.491055	7.7602075	4.9535883	6.69E-05	0.0120105	1.7938181
COQ10A	0.49104	8.33184	4.9601777	6.59E-05	0.0120105	1.8085317
KLK8	0.490295	10.859598	2.381205	0.0267996	0.2685468	-3.782243
KIF23	0.48998	4.9107	3.1633291	0.0046859	0.1389597	-2.196782
MANEA	0.487875	6.4637675	2.1465405	0.043669	0.3139876	-4.211784
NPIP15	0.48771	9.219915	2.213687	0.0380537	0.3036066	-4.0916
LOC101930657	0.48691	4.567565	3.5475084	0.0019065	0.0898372	-1.360642
EPHA2	0.48686	9.00006	4.3310058	0.0002945	0.0329324	0.3943577
TRMT11	0.48598	8.31158	3.238259	0.0039381	0.1293278	-2.035827
TNNI2	0.48569	7.592985	2.1593843	0.04254	0.3123443	-4.188972
CDK1	0.4849625	7.4859738	3.074489	0.0057517	0.1534688	-2.386012
CRIP2	0.48483	8.860225	3.3553372	0.0029964	0.1146923	-1.782108
BTG1	0.4839533	9.8438467	2.9196985	0.0081916	0.1733536	-2.711048
NUPL1	0.483855	7.7583675	4.4297818	0.0002326	0.0288447	0.617127
TNFRSF12A	0.48357	7.371415	2.6457181	0.0151203	0.2200571	-3.269105
SMARCD1	0.48302	9.33833	4.1418883	0.000463	0.0415481	-0.032033

ADSS	0.48299	9.33614	2.973196	0.0072531	0.1660098	-2.599427
RAD54B	0.48211	7.700445	2.2130804	0.0381014	0.3036066	-4.092696
ARL5B	0.481665	8.8130425	4.0207902	0.0006184	0.0490446	-0.304615
TRIM7	0.4816533	8.38477	3.606305	0.0016589	0.0841588	-1.230644
PMM1	0.48129	9.737535	4.7311017	0.0001134	0.0181291	1.2954712
SERPINB8	0.481215	7.6014525	2.2461824	0.0355797	0.293917	-4.03263
KLHL28	0.4809167	8.1716183	3.1292801	0.0050696	0.1440745	-2.269521
CWF19L1	0.4808433	5.9520417	2.3121116	0.0310067	0.2822888	-3.911425
SAMD9	0.479775	7.0998725	2.594059	0.0169362	0.230476	-3.371477
E2F1	0.47923	7.156015	2.8714427	0.0091371	0.1799453	-2.811039
BUB1	0.478994	4.755189	3.2362277	0.0039567	0.1293336	-2.040206
CENPK	0.4789	6.19792	3.4237862	0.0025519	0.1057018	-1.632643
RAD21	0.478775	10.011683	3.7666536	0.0011337	0.066662	-0.874115
LMBRD2	0.4779233	7.5506417	2.6653519	0.0144796	0.2175141	-3.229943
HDC	0.47664	6.96671	2.353522	0.0284175	0.2732514	-3.83426
MAST3	0.47606	9.01384	2.5702957	0.0178387	0.2340384	-3.418234
CHRNA3	0.4759433	5.6881983	2.4431912	0.0234813	0.2563942	-3.664552
ORMDL3	0.475785	9.7867175	4.4219978	0.000237	0.0290218	0.5995745
RCAN3	0.47556	8.9815967	2.7415998	0.0122268	0.2078785	-3.076581
HIST1H1D	0.47543	9.168505	2.9249232	0.008095	0.1729021	-2.700182
SLURP1	0.47448	11.97016	2.8485612	0.0096211	0.1845052	-2.858214
EBLN2	0.47346	6.9807	2.2553691	0.0349075	0.2925804	-4.015865
ZBTB33	0.473435	8.5687625	3.2596931	0.0037464	0.1270625	-1.989572
BMF	0.47317	7.251655	3.0623352	0.0059146	0.1553591	-2.411755
KLHL25	0.47249	6.892415	3.5930975	0.0017116	0.0860523	-1.259883
SDC4	0.4711	12.34821	2.8646522	0.0092782	0.181156	-2.825056
ZNF395	0.4705467	8.0879167	4.1424219	0.0004624	0.0415481	-0.030831
NAA25	0.47003	8.246495	2.7225065	0.0127575	0.21011	-3.115171
LOC101927305	0.47002	5.57922	2.3190156	0.0305604	0.2802904	-3.898615
PAFAH1B1	0.469155	10.01956	3.2225472	0.0040846	0.1309551	-2.069674
RRM2	0.468965	8.9010775	2.2124732	0.0381491	0.3036066	-4.093793
HIST1H3I	0.46851	5.695025	2.1683797	0.0417651	0.310758	-4.172945
MEIS1	0.46744	8.51066	2.9358126	0.0078973	0.1697415	-2.67751
MSTN	0.46638	4.61707	2.5076992	0.0204368	0.2439197	-3.540353
RFC3	0.4660933	6.68238	3.0902211	0.0055472	0.150632	-2.352637
RAB27B	0.46558	8.7558767	2.892181	0.0087186	0.176598	-2.76815
LY75	0.46519	9.707845	3.1347712	0.0050057	0.1429278	-2.257808
PTBP2	0.464865	6.3844875	2.3377985	0.0293762	0.2768902	-3.863652
SGOL1	0.46365	4.73771	3.3225978	0.003235	0.1194842	-1.853313
DENND2C	0.463575	9.1158375	3.2570847	0.0037693	0.1270625	-1.995206
SND1-IT1	0.46299	5.595705	2.3588987	0.0280964	0.2722198	-3.824184
NEK2	0.46287	5.3423	2.2941047	0.0321989	0.2854653	-3.944733
IRF6	0.4623767	9.8694083	3.0540121	0.0060287	0.1569074	-2.429364
PSMD6-AS2	0.461805	7.0470325	2.9707224	0.0072941	0.1663902	-2.604605
EPT1	0.4614667	8.52392	3.1719139	0.0045937	0.1380256	-2.178402
CYP39A1	0.46126	8.8414933	2.3193882	0.0305365	0.2802904	-3.897923
RAPGEF4	0.46064	9.64229	3.5276226	0.0019982	0.0922941	-1.404508
TSPYL4	0.46025	9.606565	3.056427	0.0059954	0.1568786	-2.424257
NOMO3	0.46013	7.530525	3.2265069	0.0040472	0.1306205	-2.061149
RNF138	0.45956	9.011305	4.8943459	7.70E-05	0.0133763	1.6614063
GAR1	0.45789	11.241945	4.9562181	6.65E-05	0.0120105	1.7996906
TNFRSF11A	0.457	8.02573	4.4936321	0.0001997	0.0256999	0.7610723
POLR1C	0.45699	8.886615	3.7522032	0.0011734	0.0680161	-0.906351
P4HB	0.4564367	10.461912	3.0538165	0.0060314	0.1569074	-2.429777
BLMH	0.45638	11.77243	2.1399009	0.0442631	0.315495	-4.223543
SLC25A25	0.45632	8.75717	3.4862247	0.0022031	0.0967393	-1.495651
AP4E1	0.4552625	5.9838188	3.1869138	0.0044368	0.1347967	-2.146249
PPP1R21	0.454935	7.7690175	2.5985153	0.0167718	0.2297081	-3.362685
USP3-AS1	0.454	6.72104	2.3209447	0.0304368	0.2802904	-3.895031

E2F6	0.45389	7.722675	4.0456466	0.0005827	0.0478919	-0.248711
CPSF4	0.45212	9.5679	7.0804262	5.51E-07	0.0002966	6.2940037
LONRF3	0.45209	5.115085	2.3854242	0.0265606	0.2675936	-3.774285
FBXL20	0.451856	7.47767	3.0313433	0.0063504	0.1598608	-2.477235
TET2	0.4511233	8.0352217	3.2841015	0.0035393	0.1255119	-1.93679
CBL	0.45093	7.591639	2.8057157	0.010594	0.1954013	-2.946119
STIL	0.44881	8.160765	2.5439426	0.0188923	0.2403211	-3.469833
SFXN2	0.44874	7.76824	2.3060818	0.0314013	0.2843631	-3.922595
GNRH1	0.44776	6.65239	2.6922413	0.0136436	0.2139002	-3.176087
SLC25A26	0.44776	10.68818	2.9418469	0.0077897	0.1692469	-2.664932
C11orf73	0.44685	10.33806	5.4221738	2.23E-05	0.0059229	2.8314441
DNAJB4	0.44671	7.1757	2.6274659	0.0157398	0.2242201	-3.305387
TMED8	0.44612	8.14559	3.0036251	0.0067663	0.163155	-2.535593
FAM216A	0.4457	6.86737	3.3442921	0.0030749	0.1160867	-1.806151
FZD10	0.44555	9.426135	2.2451607	0.0356552	0.2941844	-4.034492
NUDT12	0.443725	6.6453325	3.6323409	0.0015597	0.0814149	-1.172943
CTNNBIP1	0.4428	10.03429	3.2039671	0.0042647	0.1334313	-2.109635
DIP2B	0.4427533	7.4376333	2.9650898	0.0073883	0.1668023	-2.616391
CBX1	0.44223	11.016775	3.6799422	0.0013932	0.0758171	-1.06725
NDRG1	0.44209	12.911995	4.9932323	6.09E-05	0.0117619	1.8822948
SRD5A3	0.4417067	7.57807	2.4152792	0.0249252	0.260714	-3.717753
STX10	0.44147	8.781195	3.4067838	0.0026559	0.1072026	-1.669841
PEX1	0.44137	7.79018	3.201566	0.0042885	0.1335202	-2.114794
CHRNA5	0.44137	4.376435	2.2441844	0.0357275	0.2944215	-4.03627
PTPN21	0.441324	8.49087	3.4083665	0.002646	0.1072026	-1.66638
SLC39A10	0.44117	10.039685	3.1885503	0.00442	0.1347855	-2.142738
CXXC5	0.4404	8.5898367	4.047525	0.0005801	0.0478919	-0.244485
AKT1	0.43978	10.1506	4.1254492	0.0004815	0.0426527	-0.069065
NXT2	0.439275	8.2124225	2.4976294	0.0208864	0.2450171	-3.559853
MACC1	0.4385067	7.3174833	3.2983589	0.0034234	0.1236041	-1.905906
KIFC1	0.43844	7.22078	3.0169658	0.006563	0.1621019	-2.50753
ZNF485	0.43818	4.49051	2.3785224	0.0269525	0.2689777	-3.787299
C6orf211	0.43783	10.153155	2.7794287	0.0112366	0.2016876	-2.999768
LUC7L	0.436132	9.738056	3.7480607	0.001185	0.0681107	-0.915589
SCOC	0.436125	9.5389675	2.4119287	0.025104	0.26128	-3.724117
SLC28A3	0.436025	8.5342325	2.5496922	0.0186575	0.2386471	-3.458598
ZNF792	0.43593	6.145035	2.4197951	0.0246861	0.2601526	-3.709168
METTL8	0.4356	8.3651167	3.4301036	0.0025143	0.1046106	-1.618809
RORA	0.435475	9.87724	2.5730932	0.0177301	0.233712	-3.412741
UBE2T	0.43519	7.995785	2.3198706	0.0305056	0.2802904	-3.897027
C11orf80	0.43425	7.81841	2.4085691	0.0252844	0.2617224	-3.730493
UHMK1	0.434075	8.7061775	2.1712645	0.0415194	0.3103101	-4.167797
HPS4	0.4337167	8.609715	3.205981	0.0042448	0.1334313	-2.105307
CHORDC1	0.433695	7.9557025	2.5586322	0.018298	0.2362258	-3.441104
TUBD1	0.43329	7.393155	2.5138801	0.0201653	0.2433422	-3.528364
CDK7	0.43268	11.10235	2.5885112	0.0171429	0.2314123	-3.382412
SH3PXD2A	0.43266	9.05333	2.1135287	0.0466961	0.3225145	-4.270022
CCSAP	0.4321875	6.6922763	4.5647704	0.0001685	0.0230467	0.9213501
TBC1D14	0.43165	10.967895	4.6016225	0.0001543	0.0223353	1.0043257
KIF15	0.43134	5.90526	2.3190565	0.0305578	0.2802904	-3.898539
TNKS2	0.4307725	7.5626238	2.3268373	0.030062	0.2786912	-3.884075
CCDC77	0.43074	7.36821	2.5522066	0.0185557	0.2383476	-3.453681
PERP	0.429084	11.213794	3.2487967	0.0038427	0.127853	-2.013098
DHRS13	0.42889	8.231145	3.0059318	0.0067308	0.163155	-2.530744
NDC80	0.42864	7.61367	2.8378694	0.0098556	0.1879449	-2.880203
C3orf52	0.42853	9.231545	3.1041571	0.005372	0.1485242	-2.323023
E2F7	0.428345	5.8686325	3.4877603	0.0021952	0.0966173	-1.492275
ATG2B	0.42819	8.3767375	4.3234533	0.0002999	0.0333502	0.3773231
ATP11B	0.4276633	9.63673	2.2945694	0.0321676	0.2854238	-3.943875

KCTD11	0.42729	10.242435	3.1640167	0.0046784	0.1389401	-2.195311
KIN	0.4269067	6.40201	3.0829546	0.0056408	0.152145	-2.36806
UBALD2	0.426895	8.7006975	3.889682	0.0008457	0.0578747	-0.598961
ENDOU	0.42679	10.888795	2.613147	0.0162425	0.2273283	-3.333765
CMTR2	0.42654	10.09337	5.2531866	3.31E-05	0.0076878	2.4594612
CPEB2	0.4263267	7.5823733	4.2256473	0.0003789	0.0380605	0.1567514
TRIM13	0.4258625	8.4097038	2.2806306	0.0331184	0.2873912	-3.969557
PKIA	0.425715	9.2549175	2.6201446	0.015995	0.2255872	-3.319907
GMCL1	0.42515	8.918425	2.2354947	0.0363767	0.2970767	-4.052082
C16orf87	0.424985	6.4798325	3.0366476	0.0062737	0.1594116	-2.466045
LOC145474	0.42364	5.41641	2.1405976	0.0442005	0.3153521	-4.22231
CENPW	0.42355	9.383175	3.1671858	0.0046442	0.1389309	-2.188527
MAPK14	0.423405	8.3829325	4.1234867	0.0004838	0.0426686	-0.073485
CDC40	0.42258	9.041445	2.86556	0.0092593	0.1810003	-2.823183
HNRNPU-AS1	0.42206	10.55063	3.3213574	0.0032444	0.1196153	-1.856007
SIAH2	0.42186	9.03801	4.0384721	0.0005928	0.0483266	-0.26485
KANK3	0.4201	9.15557	2.887255	0.0088163	0.1772813	-2.778349
LINC00900	0.42004	5.763845	2.5057759	0.0205219	0.2441394	-3.544081
SYCE2	0.41948	5.21954	2.4809908	0.0216496	0.2482383	-3.591983
CUTC	0.41931	9.838145	2.5632841	0.0181135	0.2352244	-3.431989
GOLGA5	0.41927	9.703445	4.6627635	0.0001334	0.0206835	1.1418891
ABHD17C	0.41905	8.528595	2.4903181	0.0212186	0.2463611	-3.573986
TMEM167B	0.41879	11.338755	4.2050471	0.0003981	0.0380605	0.1103078
POLR2H	0.41871	10.554945	5.4930087	1.89E-05	0.0052282	2.9865203
CUZD1	0.41824	6.17634	2.3431283	0.0290479	0.27539	-3.853701
GTPBP4	0.4180633	8.5940683	4.1086942	0.0005012	0.0434555	-0.106801
ZCCHC6	0.417602	9.042415	2.101022	0.0478916	0.3245898	-4.291936
DNAL4	0.41757	8.842515	3.1179579	0.0052038	0.1456785	-2.293651
ZNF624	0.41704	6.86386	2.1247932	0.0456425	0.3186185	-4.250213
RP9	0.41658	6.784615	2.4293111	0.0241893	0.2592064	-3.691049
CASP3	0.41626	9.12817	3.6456461	0.0015113	0.0800705	-1.143426
DBF4	0.41591	7.895745	3.0535666	0.0060349	0.1569074	-2.430306
SERPINB13	0.4156617	7.4808942	2.4263222	0.0243443	0.2595799	-3.696745
SLK	0.41545	10.77294	4.9708065	6.42E-05	0.0120105	1.8322587
ZCCHC9	0.41538	9.59242	3.6958436	0.0013416	0.0737937	-1.031888
OSBPL8	0.4151525	10.727651	2.8764096	0.0090351	0.1797951	-2.800779
TMEM87B	0.414955	9.0955125	3.0075827	0.0067054	0.1631459	-2.527272
ORC6	0.41491	7.362125	2.5133359	0.020189	0.2433422	-3.52942
MAPRE3	0.41318	8.0059775	4.4069117	0.0002457	0.029521	0.5655543
GRB7	0.41215	7.063815	2.7808978	0.0111998	0.2013769	-2.996775
CYP4F12	0.41211	8.055325	2.5741273	0.0176902	0.233712	-3.410709
YOD1	0.412075	9.3656875	2.1249198	0.0456308	0.3186185	-4.24999
TBRG1	0.4115567	7.8058567	2.5370865	0.0191758	0.2404439	-3.483213
ATP6AP2	0.4114633	10.103438	4.2725555	0.0003387	0.0360735	0.262529
ADCY3	0.41103	9.491855	3.8149906	0.0010105	0.0630389	-0.766152
NOC3L	0.41087	10.000295	4.8840105	7.89E-05	0.0135426	1.638283
PAXBP1	0.4108533	7.5873467	3.1217284	0.0051587	0.1451069	-2.285618
GLCCI1	0.410832	7.309328	2.5245551	0.0197043	0.2418979	-3.507621
SLC44A1	0.4107067	10.25277	3.0250512	0.0064426	0.1609636	-2.4905
CCNB1	0.410465	7.7520375	2.2851772	0.0328055	0.2861319	-3.96119
HOPX	0.4103367	8.1061717	2.5675011	0.0179477	0.2346371	-3.423718
SSX2IP	0.4101333	8.0645467	5.1706527	4.01E-05	0.0087337	2.276819
FGFBP1	0.40989	11.359515	2.1563277	0.0428062	0.3124871	-4.194409
ANKFN1	0.40978	6.113535	2.8018042	0.0106874	0.1962763	-2.954116
ATXN7	0.4094767	7.8536483	2.7769026	0.0113003	0.2021995	-3.004912
GRAMD4	0.40882	8.3031	2.521639	0.0198292	0.2422281	-3.513292
PP12719	0.40881	6.614015	2.7775988	0.0112827	0.2021995	-3.003494
SS18	0.408725	8.7014775	2.446262	0.0233272	0.2557028	-3.658679
DNAJC5	0.4081533	9.61408	3.8525939	0.0009239	0.0603982	-0.682031

CCDC122	0.40704	5.93982	2.4997928	0.020789	0.2450171	-3.555667
TROVE2	0.40639	8.1955075	2.6888646	0.013746	0.2139002	-3.182864
RICTOR	0.406385	7.7313375	2.1723613	0.0414263	0.309932	-4.165838
CLEC4A	0.405595	7.8161625	2.8870762	0.0088199	0.1772813	-2.778719
LOC728392	0.40522	8.34038	2.6496243	0.0149907	0.2197277	-3.261325
TAP2	0.4051575	6.3861088	3.3863679	0.0027862	0.1098493	-1.714446
PCYT1A	0.4038167	9.4044517	3.627279	0.0015785	0.081833	-1.184168
PITHD1	0.4034867	9.4289967	3.5736105	0.0017924	0.0880809	-1.302985
GGH	0.40348	10.86499	2.2255076	0.0371362	0.2997556	-4.070209
GNPDA2	0.40323	10.072935	2.6357984	0.0154541	0.2219095	-3.288839
6-Mar	0.4032183	7.4655792	2.893165	0.0086992	0.1765905	-2.766112
C9orf40	0.40314	6.730705	5.1779133	3.94E-05	0.0086784	2.2929102
NUDT1	0.40275	8.888505	4.2706541	0.0003402	0.0360735	0.2582407
INSIG2	0.40235	10.514635	5.6023489	1.47E-05	0.0044838	3.2248405
SNRPE	0.4016033	10.536252	3.7993403	0.0010489	0.0642573	-0.801129
NRARP	0.40104	10.71252	2.9387647	0.0078445	0.1694424	-2.671358
SCAF4	0.400844	7.365876	2.157578	0.0426972	0.3124871	-4.192186
C12orf57	0.40017	11.380535	5.2973167	2.98E-05	0.0072689	2.5568666
TUBGCP3	0.40012	7.72914	3.0150741	0.0065915	0.1624995	-2.511512
TEX30	0.40002	7.74233	4.2540365	0.000354	0.0367738	0.2207658
SEC61A2	0.3998233	6.8722117	2.3245609	0.0302063	0.2792958	-3.888309
IER5	0.39951	10.810425	2.9901598	0.0069777	0.164001	-2.56387
ZCCHC7	0.39915	8.5187517	2.2614573	0.0344684	0.2911994	-4.004732
BROX	0.3990533	8.28494	4.0945373	0.0005185	0.0445278	-0.138678
PSMD11	0.398645	9.6720475	2.5687966	0.0178971	0.2344496	-3.421176
NAB1	0.3984275	7.6763963	3.0527959	0.0060456	0.1569329	-2.431935
BRD1	0.39841	10.25763	4.6208034	0.0001475	0.0220262	1.0474956
ARHGAP29	0.3983925	7.1772038	2.3057765	0.0314214	0.2843631	-3.923161
DDX52	0.39831	6.5116575	3.748647	0.0011833	0.0681107	-0.914281
SMEK1	0.3977333	8.1324133	3.5800046	0.0017655	0.0874706	-1.288847
NDFIP2	0.39684	9.85711	4.0639327	0.0005578	0.0469705	-0.207567
CAPZA3	0.39681	5.709295	2.1899733	0.0399571	0.3071686	-4.134305
CYP27C1	0.39592	7.80206	2.6427897	0.0152181	0.2203769	-3.274935
PRPF38B	0.3957	8.90445	2.3238445	0.0302519	0.2794158	-3.889641
MALT1	0.3953867	9.07788	2.6249734	0.0158262	0.2244189	-3.310332
NAA50	0.3942833	9.5376083	3.4172534	0.0025914	0.1066889	-1.646941
PLEKHA3	0.3941367	7.9375783	2.570189	0.0178428	0.2340384	-3.418443
FRAT2	0.39338	8.31848	3.3013006	0.0034	0.1231348	-1.899529
CHTF18	0.39317	7.608745	2.9423728	0.0077804	0.1692469	-2.663835
DYNC2H1	0.3930833	5.8825883	2.8602468	0.0093709	0.1818709	-2.834141
PARPBP	0.3924167	5.4029783	2.5276233	0.0195737	0.2414203	-3.50165
ILKAP	0.3922	9.61562	6.2354265	3.48E-06	0.001425	4.5764313
POGK	0.3921533	8.6470467	2.3630664	0.0278498	0.2713197	-3.816365
CD1A	0.39194	10.20747	2.6853564	0.0138532	0.2147458	-3.189901
IKZF2	0.39151	6.923035	3.0635667	0.0058979	0.155319	-2.409149
TNFRSF10A	0.39097	7.8909317	3.3323413	0.0031621	0.1178564	-1.832142
HIVEP2	0.3907667	8.89689	2.1798065	0.0407993	0.3088941	-4.152527
ATP7A	0.390435	9.8358525	2.9095324	0.0083826	0.1741234	-2.732169
MPP7	0.39026	8.72939	2.195656	0.0394932	0.3061024	-4.124097
NECAP1	0.38978	8.49703	6.5197184	1.85E-06	0.0008244	5.1659632
MAP3K9	0.38971	7.1784	3.159568	0.0047268	0.1390325	-2.20483
FKBPL	0.38953	8.658205	2.9988835	0.0068401	0.1634406	-2.545556
C6orf132	0.38911	8.68766	3.8190803	0.0010007	0.063004	-0.757008
PPAP2C	0.38901	9.034315	2.3334941	0.0296438	0.2778612	-3.871678
PP13439	0.38885	4.661415	2.41053	0.0251789	0.2615287	-3.726772
RBM28	0.38882	7.1731	2.7128	0.0130355	0.2116333	-3.134742
MAP2K1	0.38849	10.617235	4.7667491	0.0001042	0.0171937	1.3755005
RAP2C	0.38803	10.26842	3.9097187	0.0008062	0.0563031	-0.554043
MID1IP1	0.38782	10.60585	2.5062203	0.0205022	0.2441394	-3.543219

CSNK1E	0.386935	9.1038775	3.7873494	0.0010792	0.0649513	-0.827914
ARFGEF1	0.3866567	9.133855	3.9206836	0.0007854	0.0556488	-0.529451
PIM3	0.38634	11.49116	3.1428215	0.0049135	0.1408112	-2.240624
C10orf88	0.38587	8.66991	4.3664715	0.0002706	0.0309557	0.4743495
HCG26	0.38564	8.05171	2.3036782	0.0315599	0.2844828	-3.927043
WDR5	0.38542	7.9899	5.1476398	4.24E-05	0.0087498	2.2257878
TOR1A	0.38532	8.1617367	3.2010524	0.0042936	0.1335202	-2.115897
PGAP1	0.385272	8.400608	3.2863033	0.0035211	0.1253032	-1.932023
RANBP9	0.3845575	8.0668163	2.8327375	0.0099701	0.1889228	-2.890745
CMTR1	0.38419	9.578845	4.5850488	0.0001606	0.0226591	0.9670137
TRMT13	0.383615	8.2015075	3.2718844	0.0036415	0.1263779	-1.963223
C5orf24	0.3836	7.672145	3.023173	0.0064704	0.1612635	-2.494457
FAM171B	0.3831333	7.0805167	2.2504833	0.0352635	0.2933036	-4.024786
CRIPAK	0.38302	6.873475	3.3760297	0.0028546	0.1116052	-1.737006
ZPR1	0.383	10.03705	5.1392967	4.32E-05	0.0087498	2.2072762
TCEA1	0.3829967	7.6846983	3.2726054	0.0036354	0.1263779	-1.961664
FAM110C	0.3827	10.13123	2.2381229	0.0361792	0.2958831	-4.047304
DDB2	0.38218	10.5424	3.0391054	0.0062385	0.1591664	-2.460858
LOC101929718	0.38193	6.920645	3.8234433	0.0009904	0.0627386	-0.747252
SNRPA1	0.38129	9.47156	3.056423	0.0059955	0.1568786	-2.424265
LOC101927974	0.38079	6.413655	2.1206046	0.0460318	0.3197223	-4.257587
BAG5	0.3807167	10.434252	2.8292538	0.0100485	0.1889228	-2.897896
G3BP1	0.3803014	9.3146036	2.5864937	0.0172187	0.2320884	-3.386386
LRCH1	0.38019	8.594095	3.2117871	0.004188	0.1328593	-2.092825
BBS7	0.37979	7.613515	3.9999562	0.00065	0.0505073	-0.351451
BCL2L2	0.37968	8.041045	3.625895	0.0015837	0.081833	-1.187236
SUN2	0.37955	10.493465	5.5791261	1.55E-05	0.0045937	3.1743335
PCDHGB7	0.379475	3.4151775	2.7765859	0.0113083	0.2021995	-3.005556
KCTD5	0.3790533	7.7260033	3.5399887	0.0019406	0.0908685	-1.377236
SRSF8	0.3787325	9.8907438	3.919658	0.0007873	0.0556488	-0.531752
ANP32E	0.37849	9.365255	2.9102089	0.0083698	0.1741234	-2.730764
PTBP3	0.37838	9.4438	2.3659369	0.0276811	0.2710688	-3.810975
TMED6	0.37836	5.26932	2.789123	0.0109954	0.199635	-2.980009
MRPS23	0.37833	9.116805	4.5637182	0.0001689	0.0230467	0.9189804
FUT1	0.37784	9.80922	2.5225338	0.0197908	0.2420562	-3.511552
GSDMB	0.37779	6.4070883	3.2497193	0.0038345	0.1277865	-2.011107
DCAF11	0.377605	7.9891925	4.1380792	0.0004672	0.0417452	-0.040614
SPTLC1	0.3774733	10.120377	4.405133	0.0002467	0.029521	0.5615431
DSC1	0.37726	12.68263	2.3347243	0.0295671	0.2777784	-3.869385
RNF121	0.37704	8.56311	3.6979334	0.0013349	0.0737937	-1.027239
FOXQ1	0.3768	11.82627	2.6666001	0.0144397	0.2173935	-3.227449
COG3	0.376785	6.3020825	3.1604356	0.0047173	0.1390325	-2.202974
ZNF700	0.37662	9.10648	4.0213395	0.0006176	0.0490446	-0.30338
SOCS7	0.37659	7.5297483	5.3217222	2.82E-05	0.0072045	2.6106569
KIAA0754	0.374975	6.0500225	2.6281607	0.0157158	0.2242064	-3.304009
TYW3	0.37467	9.303795	4.3895969	0.000256	0.0302834	0.5265056
LOC283357	0.37457	9.196375	2.7639034	0.0116334	0.2041515	-3.031349
TP53RK	0.37438	9.30209	3.3304281	0.0031763	0.1181697	-1.8363
KIAA0355	0.37333	10.321745	3.1083184	0.0053207	0.1479255	-2.314171
HSPA4L	0.37267	8.05242	3.1267608	0.0050991	0.1443135	-2.274893
PAQR3	0.372565	8.5961575	3.1507758	0.0048239	0.1395866	-2.22363
HERC4	0.3719383	7.4397758	3.2701891	0.0036559	0.1265786	-1.966889
MTMR12	0.371605	8.8071475	2.658887	0.0146876	0.2179193	-3.242854
DAPP1	0.3711925	7.9916413	2.2613303	0.0344775	0.2911994	-4.004965
RNF19A	0.371165	9.8465875	3.9054281	0.0008145	0.0566889	-0.563664
CDK17	0.371135	7.8216475	2.7525338	0.0119324	0.2056952	-3.054427
LOC101928545	0.37063	3.896655	2.2972391	0.0319884	0.2854238	-3.938946
TAF4B	0.370165	7.7787025	3.1216507	0.0051596	0.1451069	-2.285784
LAPTM4B	0.3690125	9.8235138	3.1924258	0.0043804	0.1343809	-2.134421

FAM122B	0.36891	8.573615	6.4611936	2.11E-06	0.000918	5.0455411
SFXN1	0.3687233	7.9946617	2.8104779	0.0104814	0.1939158	-2.936377
EPHA1	0.36867	6.1230317	3.2096691	0.0042086	0.1328961	-2.097379
GAF1	0.36809	3.556205	2.551033	0.0186032	0.2385078	-3.455977
AP1G2	0.36806	8.39485	2.1219572	0.0459057	0.3192804	-4.255207
PAIP2B	0.36799	9.975595	2.2693603	0.0339059	0.2896799	-3.990255
MFN2	0.3678367	7.162935	5.0800449	4.96E-05	0.0099601	2.0756446
MTFP1	0.36775	6.719005	3.5830751	0.0017527	0.08726	-1.282057
EZR	0.367436	10.745424	2.6654945	0.014475	0.2175141	-3.229658
CEP135	0.36712	6.32267	2.346955	0.0288143	0.2745723	-3.846549
LOC100506411	0.36697	6.122825	2.1820466	0.0406124	0.3085815	-4.148517
RFWD2	0.365855	9.8621125	4.1288445	0.0004776	0.0424917	-0.061417
MAPK8	0.365588	8.011898	3.1605064	0.0047166	0.1390325	-2.202822
GPD2	0.3648933	8.57458	3.159641	0.004726	0.1390325	-2.204674
RDH12	0.36449	10.402585	3.2571319	0.0037689	0.1270625	-1.995104
CCDC186	0.3643933	9.0122433	2.8271497	0.0100961	0.1891824	-2.902214
CECR5	0.3635	8.68368	2.681229	0.0139803	0.2148242	-3.198174
CAMK1D	0.36346	8.10987	2.9700215	0.0073058	0.1664707	-2.606072
POLG2	0.36333	7.619075	2.0937799	0.0485964	0.3269617	-4.304588
C1orf106	0.36304	11.25495	2.3596204	0.0280535	0.2722198	-3.82283
SGSH	0.36283	9.170605	4.5134694	0.0001905	0.0248647	0.8057786
RRN3	0.36278	10.2396	4.4017111	0.0002487	0.0295903	0.553826
DTWD2	0.36207	8.099535	2.2699025	0.0338677	0.2895947	-3.98926
SMIM13	0.36199	8.1965383	2.9857095	0.007049	0.1646532	-2.573206
SLC35D1	0.3618	7.36565	2.6920813	0.0136485	0.2139002	-3.176409
INIP	0.361166	7.268347	3.0008438	0.0068095	0.1633975	-2.541437
TTC33	0.36114	8.47348	2.5963419	0.0168518	0.2301873	-3.366974
LOC101927420	0.36102	5.73673	2.9519184	0.0076133	0.1682831	-2.643916
THOC6	0.36097	7.895655	3.4748493	0.002263	0.0978968	-1.520653
REL	0.36031	8.528877	2.1346428	0.0447389	0.3163998	-4.232839
ANKRD36	0.360055	7.0199525	2.7737785	0.0113795	0.2027487	-3.01127
MOB4	0.3599	11.42189	3.2783246	0.0035873	0.1259001	-1.949293
DAG1	0.35939	10.07717	2.1304165	0.0451246	0.3176264	-4.2403
RAB3GAP2	0.35912	6.20346	2.1068744	0.0473288	0.3228596	-4.281692
KCNAB3	0.359	4.11888	2.8699794	0.0091673	0.180194	-2.814061
TMEM165	0.35847	7.6134717	2.7556229	0.0118504	0.2051467	-3.048161
RAPGEF6	0.3582575	8.1245638	3.1036282	0.0053786	0.1485242	-2.324147
ADAM10	0.3581467	8.77549	2.6811771	0.0139819	0.2148242	-3.198278
MAPKAPK2	0.35753	8.115665	3.0107978	0.0066563	0.1629072	-2.52051
LOC646014	0.35715	9.156325	2.2243907	0.037222	0.3000932	-4.072233
ATF1	0.35713	9.2133417	4.202526	0.0004005	0.0381125	0.1046243
FANCI	0.3570867	7.2006267	2.3343127	0.0295927	0.2778076	-3.870152
CCT2	0.35667	11.28873	3.0176817	0.0065523	0.1621019	-2.506023
HESX1	0.35665	6.228965	2.2606977	0.0345229	0.2913019	-4.006122
THG1L	0.35588	8.56307	2.2231731	0.0373158	0.3003758	-4.074439
SZRD1	0.3554725	9.7738863	2.865456	0.0092614	0.1810003	-2.823397
NGEF	0.35528	5.488125	4.4576665	0.0002176	0.0271506	0.6799989
SERINC3	0.35509	11.506265	2.9660533	0.0073721	0.1668023	-2.614375
RGP1	0.3547	9.24428	2.6562512	0.0147733	0.2179193	-3.248113
TRAPPC10	0.354485	7.3891775	2.4823761	0.0215851	0.2479924	-3.589313
C2orf15	0.35418	6.31332	2.9911529	0.0069619	0.164001	-2.561786
BTBD3	0.35396	9.8677	2.4987199	0.0208373	0.2450171	-3.557743
ZNF512B	0.35385	7.76425	4.6633353	0.0001332	0.0206835	1.143175
ZNF316	0.353535	7.0417025	4.7873854	9.92E-05	0.0165044	1.4218008
ANKRD27	0.3535	10.43226	3.6127909	0.0016336	0.0835883	-1.216277
RAB3A	0.35348	7.93547	2.49544	0.0209854	0.2455132	-3.564087
MICALCL	0.35344	6.54154	2.3387505	0.0293173	0.27683	-3.861875
FANK1	0.35286	7.67763	2.3622725	0.0278966	0.2713197	-3.817855
PTPN12	0.35244	8.1760667	2.1410573	0.0441591	0.3152181	-4.221496

C12orf5	0.35243	8.176615	2.4808506	0.0216562	0.2482383	-3.592254
ITGAV	0.35216	11.58082	4.607124	0.0001523	0.0222654	1.0167089
PPP1R14C	0.3509	12.40012	2.6153898	0.0161628	0.2265224	-3.329325
SPIN4	0.35073	8.807235	2.2840808	0.0328807	0.2862998	-3.963208
FRG1B	0.350415	5.7854125	2.4886624	0.0212945	0.2467322	-3.577183
SLC16A1-AS1	0.3499033	5.578995	2.3590764	0.0280858	0.2722198	-3.823851
YIPF5	0.349895	10.279848	2.9758918	0.0072086	0.1657976	-2.593782
RAPGEFL1	0.34984	11.77658	3.8392528	0.0009537	0.0613692	-0.711889
SERPINB2	0.3492	10.95452	2.8504213	0.0095809	0.1840785	-2.854385
HNRNPH3	0.3491875	11.387424	4.6145057	0.0001497	0.0220345	1.033323
PPP4R1	0.34855	10.776005	3.252402	0.0038106	0.1276145	-2.005317
ALYREF	0.34836	7.97376	2.8987167	0.0085906	0.1759173	-2.754607
SLC4A7	0.347935	6.180445	2.5187309	0.0199546	0.2423207	-3.518944
SERTAD3	0.3475	7.1446	2.1372987	0.044498	0.315495	-4.228145
FBXO9	0.3470467	8.0798789	3.7185237	0.0012712	0.0714593	-0.981407
FRMD6	0.346705	11.240498	3.6222812	0.0015973	0.0823289	-1.195247
NSMCE4A	0.34623	8.504635	3.0901583	0.0055481	0.150632	-2.35277
NCOA2	0.346175	7.632825	2.6059538	0.0165007	0.2283203	-3.347993
CCDC11	0.345225	4.1613125	2.3889357	0.0263632	0.2671837	-3.767656
NKTR	0.344765	7.3832725	2.1534333	0.0430597	0.3126357	-4.199552
LOC642533	0.3445	7.24415	2.0812277	0.0498401	0.3315435	-4.326449
UBE2M	0.34435	8.183065	2.4286129	0.0242254	0.2592064	-3.69238
CENPA	0.34424	6.29405	2.5282073	0.0195489	0.2414203	-3.500514
C9orf72	0.3441733	6.01791	2.4329703	0.0240007	0.2583393	-3.684072
USP32	0.3440267	9.1339767	2.6576192	0.0147288	0.2179193	-3.245384
CHMP4B	0.344025	10.010873	3.9024386	0.0008203	0.0568997	-0.570367
ELF4	0.34324	7.78188	2.3114449	0.0310501	0.282502	-3.912661
AGO1	0.3432175	7.7855263	3.0101516	0.0066661	0.1629072	-2.521869
C9orf69	0.34303	10.158295	3.0705859	0.0058035	0.1544239	-2.394283
RAB5A	0.3430267	9.2587433	2.9857572	0.0070482	0.1646532	-2.573106
POLR3G	0.34297	6.468935	3.5514608	0.0018888	0.0896698	-1.351917
KIAA1958	0.34286	6.739595	3.4066475	0.0026567	0.1072026	-1.670139
FAM185A	0.342675	6.1901525	2.1594615	0.0425333	0.3123443	-4.188835
NHP2L1	0.34267	9.181465	3.2816031	0.0035599	0.1257589	-1.942198
GOLGA8A	0.34191	10.1788	2.1339358	0.0448032	0.3166142	-4.234088
DNAJC14	0.341815	7.7306725	2.1038851	0.0476155	0.3239058	-4.286927
MTHFD2L	0.3414829	6.4909571	2.5129769	0.0202047	0.2433422	-3.530117
PRNP	0.3414	10.290155	2.5077329	0.0204353	0.2439197	-3.540288
STK4-AS1	0.34119	4.930885	3.1179123	0.0052043	0.1456785	-2.293748
GINS1	0.34119	8.810255	2.4564794	0.0228215	0.2531293	-3.639109
AADA2L2	0.34092	11.72253	2.5669645	0.0179687	0.2346371	-3.424771
KCNK1	0.340915	6.905525	3.0445508	0.006161	0.1577689	-2.44936
ORAOV1	0.340805	7.7741975	2.6864501	0.0138197	0.2144789	-3.187708
TRAK1	0.340298	9.405975	2.6834266	0.0139125	0.2148242	-3.19377
IL36RN	0.34024	11.71889	2.2105734	0.0382988	0.3038602	-4.097223
CEP44	0.33955	7.7924417	3.2715966	0.003644	0.1263779	-1.963846
DNAJA4	0.33905	7.446795	3.0134747	0.0066156	0.1627032	-2.514878
SPTY2D1-AS1	0.338625	5.2566975	2.1333378	0.0448577	0.3166227	-4.235144
SMC4	0.3383733	7.8966967	2.8423548	0.0097566	0.1867527	-2.870982
MFN1	0.3379833	8.5053983	2.7176798	0.012895	0.2105811	-3.124907
F12	0.337885	6.7966925	2.9752896	0.0072186	0.1657976	-2.595043
SH3GL1P1	0.33772	3.05447	2.2262321	0.0370806	0.2994251	-4.068896
ARHGEF7	0.3375844	6.5094244	2.2290509	0.0368651	0.2985469	-4.063783
ZW10	0.33723	9.602595	2.9363119	0.0078883	0.1697415	-2.676469
APPL2	0.33713	10.231955	2.7569147	0.0118163	0.2047294	-3.04554
SLC33A1	0.33678	8.35002	2.1061924	0.0473941	0.3228596	-4.282886
PPM1J	0.33664	7.90227	2.6465037	0.0150941	0.2200571	-3.267541
ATAD2	0.3364675	7.3193788	2.9476435	0.0076877	0.1685103	-2.65284
PRKAB2	0.3363767	8.3756583	2.4232296	0.0245057	0.2597825	-3.702633

BCOR	0.33614	7.7385175	2.7339396	0.0124371	0.2088473	-3.092078
SUN1	0.3359975	8.0547363	2.8321068	0.0099842	0.1889228	-2.89204
CCAR1	0.33593	8.809285	3.4199864	0.0025748	0.1064344	-1.64096
TIMM10	0.335795	10.462933	2.8889316	0.0087829	0.1771861	-2.774878
B3GALNT2	0.3357525	6.4979188	2.3490369	0.028688	0.2740492	-3.842655
UBE2Q1	0.3354267	8.80321	3.0962961	0.0054702	0.1500417	-2.339733
EMP1	0.3351517	9.5143825	2.4591561	0.0226907	0.2529674	-3.633975
MOCS2	0.335085	8.7903575	2.4180831	0.0247765	0.2603229	-3.712424
ZNF212	0.3344	9.61471	2.7771692	0.0112936	0.2021995	-3.004369
PSENEN	0.3343	7.07045	2.9152459	0.0082747	0.173805	-2.720302
STK4	0.3339686	7.0857314	2.1064205	0.0473722	0.3228596	-4.282487
PSMA7	0.33345	11.39644	4.5998577	0.000155	0.0223353	1.0003528
ETNK1	0.333375	6.9821025	3.6491049	0.0014989	0.0800705	-1.135749
CRLS1	0.33337	8.315923	3.6438099	0.0015179	0.0800705	-1.147501
EXOSC7	0.33311	10.435955	5.0643826	5.15E-05	0.0102312	2.0408033
FBXL19	0.33295	7.444735	2.990108	0.0069786	0.164001	-2.563979
SLTM	0.33272	11.24672	4.2192745	0.0003847	0.0380605	0.1423832
AP1AR	0.33226	5.6827333	2.9065724	0.008439	0.1745115	-2.738313
PDSS1	0.33215	6.96623	2.8740959	0.0090825	0.1797951	-2.805559
RC3H1	0.3320467	8.3136467	2.9135206	0.0083072	0.173805	-2.723887
DCUN1D5	0.3318867	8.0459167	2.2975021	0.0319708	0.2854238	-3.93846
TOP2A	0.3312667	7.30489	2.1418877	0.0440846	0.3152181	-4.220026
SDR42E1	0.331175	8.9635825	2.4278721	0.0242638	0.2592619	-3.693792
FAM76B	0.33091	8.3742525	2.1237427	0.0457399	0.3187845	-4.252064
TWF1	0.330826	6.476089	2.3450435	0.0289308	0.2749568	-3.850123
C3orf17	0.330075	8.4802925	3.450626	0.0023958	0.101562	-1.573828
ADAM17	0.3299233	8.8132083	3.1806461	0.0045017	0.1360609	-2.15969
PIGF	0.32982	10.650995	4.9111452	7.40E-05	0.0130501	1.6989772
CBX5	0.3294483	8.1220708	2.6977413	0.0134784	0.2134632	-3.165041
TMEM41A	0.329395	10.124588	2.8235518	0.0101781	0.1898493	-2.909594
RPS6KB2	0.32932	8.19169	2.3307482	0.0298157	0.278335	-3.876794
RAB35	0.3292833	7.3472717	4.2756529	0.0003362	0.0360726	0.2695144
MAP3K2	0.3288143	7.1588714	2.4230394	0.0245157	0.2597825	-3.702995
SYK	0.3287075	8.1611863	3.1009708	0.0054116	0.1492349	-2.329797
WDR47	0.32852	10.94253	2.6684004	0.0143824	0.2173935	-3.22385
LOC100132167	0.32839	6.280035	2.2906743	0.0324307	0.2857825	-3.951061
ANKRD22	0.328195	10.173833	2.6664656	0.014444	0.2173935	-3.227718
PDCD6	0.3280133	8.4330867	2.5209263	0.0198599	0.2422281	-3.514677
IL23A	0.32773	5.346215	2.7004683	0.0133971	0.2133336	-3.15956
CBFB	0.32745	8.925015	3.815052	0.0010103	0.0630389	-0.766015
LOC100507217	0.3273075	10.002351	3.5675519	0.0018183	0.0887572	-1.316376
GAREM	0.32721	8.6208975	2.3192996	0.0305422	0.2802904	-3.898087
ESF1	0.327035	8.9499275	3.4039397	0.0026737	0.1072026	-1.676059
TMEM167A	0.326995	10.348673	3.6169077	0.0016178	0.0831741	-1.207156
IL1RN	0.32698	8.06204	2.1160974	0.046454	0.3213458	-4.265511
TMTC4	0.3269333	7.3956633	2.7941972	0.0108712	0.1986124	-2.969654
GADD45A	0.32683	11.021045	3.4949345	0.0021584	0.0964288	-1.476496
CYB5R4	0.326405	7.2329425	2.2333828	0.0365361	0.2976123	-4.055919
DUSP7	0.32597	8.77308	2.4442767	0.0234267	0.2563408	-3.662477
PTPN11	0.3259283	7.3997142	2.6506813	0.0149558	0.219605	-3.259219
POLH	0.3252633	6.4335067	4.1554831	0.0004481	0.040575	-0.001402
CEP97	0.3251133	6.4822733	2.8368258	0.0098788	0.1882115	-2.882347
TLE4	0.324988	6.984928	3.001483	0.0067995	0.1633975	-2.540094
FOXN3	0.3246943	8.8145357	2.4247958	0.0244239	0.2595886	-3.699652
MRPS10	0.3243533	8.4810367	2.1013228	0.0478625	0.3245898	-4.29141
SOCS5	0.32396	8.88227	2.1846733	0.0403941	0.3085029	-4.143811
C6orf62	0.32391	9.751645	2.8189724	0.0102834	0.1914639	-2.918981
SHOC2	0.32383	11.105495	2.3979007	0.0258654	0.2652924	-3.750707
ALG2	0.323745	9.2856225	4.3638135	0.0002723	0.0309557	0.4683545

DNAJB11	0.32367	10.487365	3.5007266	0.0021291	0.0958424	-1.463751
CPNE1	0.32362	8.17227	3.04404	0.0061683	0.1577689	-2.450439
MEX3B	0.32345	4.952795	2.6650604	0.0144889	0.2175141	-3.230526
KCNK6	0.32339	9.455935	2.454103	0.0229382	0.2539132	-3.643665
ZNF277	0.323305	8.24846	2.0885757	0.0491086	0.3290308	-4.313662
RAB18	0.323225	9.4219942	2.8830722	0.0089001	0.178244	-2.787004
TMEM30A	0.3231633	10.192515	4.0932165	0.0005201	0.0445278	-0.141652
SEC61A1	0.32316	8.933395	2.8905523	0.0087508	0.1769355	-2.771523
CSTF2	0.32316	7.95136	3.3849681	0.0027954	0.1099986	-1.717501
FAM63B	0.323115	8.289905	2.1377392	0.0444582	0.315495	-4.227366
ADORA2B	0.32279	9.047175	2.1054115	0.0474689	0.3231552	-4.284254
IGIP	0.322475	8.8299925	2.7572769	0.0118068	0.2047294	-3.044805
CCDC117	0.322205	8.2041275	3.2682006	0.0036729	0.1269239	-1.971188
TP53	0.321375	9.8109475	2.7763385	0.0113146	0.2021995	-3.00606
PANK4	0.32111	7.815905	2.1639444	0.0421456	0.311667	-4.180853
ZBTB44	0.320972	8.5824	2.160832	0.0424144	0.3123443	-4.186396
SREK1	0.3208517	7.7111375	2.3796976	0.0268854	0.2688805	-3.785084
LOC100288860	0.32056	8.90216	2.3665333	0.0276461	0.2710688	-3.809854
CRLF3	0.32043	10.444025	2.8363069	0.0098903	0.1882561	-2.883413
SLC35A3	0.3203833	9.7158983	3.1549143	0.004778	0.1395122	-2.214783
HOOK3	0.320334	8.970831	2.1064054	0.0473737	0.3228596	-4.282513
ZNF600	0.32031	8.843105	2.2644905	0.0342515	0.2908109	-3.999179
ENTPD1-AS1	0.32022	7.24626	2.4046074	0.0254987	0.2625845	-3.738005
ZNF830	0.32014	8.556295	2.7301874	0.0125414	0.2091864	-3.099661
CCNL2	0.3200333	9.6907167	3.0241747	0.0064556	0.1610903	-2.492347
PSMD10	0.31946	9.400105	2.7041659	0.0132877	0.2132499	-3.152124
BCCIP	0.3192	8.9350233	4.893497	7.71E-05	0.0133763	1.6595072
NCS1	0.319148	7.213498	2.5813226	0.0174144	0.23305	-3.396564
FIP1L1	0.319075	8.5383775	2.4605783	0.0226215	0.2529674	-3.631246
TRIP12	0.3187733	9.88414	3.1865904	0.0044401	0.1347967	-2.146942
C4orf46	0.318365	8.9071225	3.2877405	0.0035093	0.1251014	-1.928911
CD9	0.31777	8.812225	2.2943932	0.0321795	0.2854238	-3.9442
POLR1B	0.317545	8.15265	3.2630462	0.0037173	0.1270625	-1.982328
NIPAL2	0.3170167	9.196125	2.4600374	0.0226478	0.2529674	-3.632284
LY6D	0.3169	11.24298	2.7700957	0.0114736	0.2032089	-3.018762
XG	0.316785	10.430993	2.3835578	0.0266661	0.2682462	-3.777806
TEX10	0.316775	8.9950825	2.670102	0.0143285	0.2172926	-3.220448
TBC1D7	0.31675	6.689365	2.5597569	0.0182532	0.2362258	-3.438901
FAM98A	0.31567	8.760455	3.761094	0.0011488	0.0671636	-0.88652
RASSF9	0.31538	7.3111	2.2436159	0.0357696	0.2944215	-4.037306
ADAM28	0.3151325	5.3508163	2.595877	0.0168689	0.2302679	-3.367891
PHACTR4	0.31493	9.76499	2.6159331	0.0161435	0.2265224	-3.32825
KLF10	0.31462	11.21155	3.2614306	0.0037313	0.1270625	-1.985819
AP5M1	0.314566	7.796829	4.1564905	0.0004471	0.040575	0.000868
DICER1	0.31455	8.756635	2.0921985	0.0487515	0.3276002	-4.307346
DDX50	0.31436	7.37939	2.3779348	0.0269862	0.2690987	-3.788406
CNOT8	0.3139	9.89292	3.2013195	0.004291	0.1335202	-2.115324
CGN	0.31381	8.40703	2.6920363	0.0136498	0.2139002	-3.176499
FIGNL1	0.31372	8.093985	3.1327212	0.0050295	0.1433324	-2.262182
MIR34A	0.31369	8.003955	2.6008816	0.0166851	0.2291861	-3.358013
RIPK4	0.313165	7.9019525	3.9250727	0.0007772	0.0556488	-0.519605
ATP13A4-AS1	0.31258	4.1774	2.0898979	0.048978	0.3282633	-4.311358
NAV2-IT1	0.31254	5.54258	3.0669456	0.0058523	0.1547152	-2.401994
RNASEH1	0.3122067	8.1153433	2.2831076	0.0329476	0.2866383	-3.965
PPA2	0.31201	8.215263	2.6934147	0.0136082	0.2139002	-3.173732
CLOCK	0.3118875	7.5200563	3.7051956	0.0013121	0.0731087	-1.011079
TCERG1	0.3116	6.2140033	2.1654601	0.0420152	0.3112654	-4.178152
INTS7	0.3114467	7.06353	2.9047947	0.0084731	0.1745115	-2.742002
HBS1L	0.3114375	7.5825488	2.378377	0.0269608	0.2689777	-3.787573

LEO1	0.3114	9.91823	3.2210585	0.0040987	0.1309551	-2.072879
EPB41L4A	0.3113175	6.4295113	2.1763679	0.0410878	0.309304	-4.158678
PIGX	0.31117	7.9700483	3.5628123	0.0018387	0.0887572	-1.326848
LIN7C	0.3111333	10.35331	2.7876066	0.0110328	0.1998272	-2.983101
SERP1	0.31102	9.79951	3.0362635	0.0062792	0.1594116	-2.466856
ELK4	0.3108967	7.0154483	2.6595211	0.0146671	0.2179193	-3.241588
PANK1	0.31085	10.579865	2.3635429	0.0278217	0.2713197	-3.81547
ELOF1	0.31071	9.703005	3.767604	0.0011312	0.066662	-0.871994
PLEKHF2	0.310535	9.6000725	2.4640907	0.0224514	0.2522797	-3.624502
RBM25	0.3103271	9.4612936	2.502685	0.0206595	0.244656	-3.550068
ABCB10	0.30968	9.67154	3.0827433	0.0056435	0.152145	-2.368508
TRIM25	0.30947	8.66336	3.6080436	0.0016521	0.0840936	-1.226793
MRFAP1L1	0.3091	12.15366	4.5056528	0.0001941	0.025131	0.7881637
FUBP1	0.3086125	8.9867513	3.435848	0.0024805	0.1035855	-1.606225
AGO4	0.3083875	8.0455963	2.3430866	0.0290505	0.27539	-3.853779
STRN	0.30831	7.996175	2.6284063	0.0157073	0.2242064	-3.303521
LNPEP	0.307902	8.026741	2.2486349	0.0353991	0.2933725	-4.028158
RARG	0.3076267	7.95374	2.8801944	0.0089582	0.1790064	-2.792955
KDM7A	0.307485	9.4131425	3.9883498	0.0006682	0.0511261	-0.377533
PRPS1	0.30747	7.40108	2.6556534	0.0147928	0.2179193	-3.249305
XRCC5	0.3072367	9.6461717	2.1918201	0.0398058	0.307129	-4.130989
UMPS	0.3070825	8.0543513	3.5746526	0.001788	0.0880809	-1.300681
AMOTL2	0.30621	10.405765	2.5649965	0.018046	0.235113	-3.428631
RBM14	0.3061933	7.68318	2.5114979	0.0202695	0.2433422	-3.532986
YRDC	0.30612	7.80581	3.2950829	0.0034497	0.1236041	-1.913006
ELAC2	0.30611	7.53699	2.9223799	0.0081419	0.1733536	-2.705472
SDCBP2-AS1	0.306015	4.8643275	2.1244918	0.0456704	0.3186185	-4.250744
PLEKHA8P1	0.30573	6.979855	3.094304	0.0054953	0.1503286	-2.343965
HIF1AN	0.3053133	9.6177267	4.3120617	0.0003082	0.0339025	0.3516296
TROAP	0.3053	6.61704	2.1758533	0.0411311	0.3094209	-4.159599
RAB11B	0.305245	8.5543925	2.2947506	0.0321554	0.2854238	-3.943541
SRSF5	0.30514	10.059167	3.3524683	0.0030166	0.1151607	-1.788355
GLS2	0.30514	5.3708025	2.6637011	0.0145324	0.2178096	-3.233241
SLC38A9	0.30511	8.468615	2.2289898	0.0368697	0.2985469	-4.063894
ARNTL2-AS1	0.30507	4.591845	2.9207	0.008173	0.1733536	-2.708966
RPL22L1	0.30507	10.476495	2.3275225	0.0300187	0.2786912	-3.8828
GPR87	0.30471	10.877445	2.8961924	0.0086398	0.1761407	-2.759839
SYPL1	0.304655	10.960553	3.4629732	0.0023272	0.099766	-1.546734
CSNK1A1	0.3046292	9.1574154	2.2731164	0.0336416	0.2889899	-3.983363
TRNT1	0.3046033	7.0706083	2.4107723	0.0251659	0.2615264	-3.726312
JAK2	0.3045567	7.0309817	2.2816674	0.0330468	0.2871353	-3.96765
NDUFAF1	0.30413	8.833105	3.969161	0.0006996	0.0527058	-0.42064
RAI14	0.30405	11.040595	2.8160042	0.0103522	0.1923255	-2.925062
STXBP5	0.3038867	8.4161967	2.4845088	0.0214861	0.2472716	-3.585199
LOC101927668	0.30379	3.242525	2.273216	0.0336346	0.2889899	-3.983181
SKP2	0.3037	7.2539133	2.1823446	0.0405875	0.3085815	-4.147983
PITPNC1	0.30366	5.866008	2.610171	0.0163489	0.2278817	-3.339654
MKL1	0.303634	5.992467	4.6202327	0.0001477	0.0220262	1.0462114
MB21D2	0.30342	10.38916	3.9404662	0.0007492	0.0545235	-0.485064
CEBPB	0.30319	12.077975	2.9623586	0.0074344	0.1668023	-2.622102
MCU	0.30265	10.729055	2.8322868	0.0099802	0.1889228	-2.89167
UBE3D	0.3026033	4.8820383	2.7597127	0.0117428	0.2045923	-3.03986
LOC728730	0.302535	7.1900925	2.2602145	0.0345576	0.2913855	-4.007006
VPRBP	0.30239	7.568811	3.2011565	0.0042926	0.1335202	-2.115674
PAPOLA	0.3021517	9.5541125	3.1518951	0.0048115	0.1395866	-2.221238
ACTL6A	0.30174	8.49872	3.0629208	0.0059067	0.1553497	-2.410516
ATL2	0.30171	8.9106683	2.6703057	0.014322	0.2172926	-3.220041
MAP4K5	0.30112	9.4704267	3.1345488	0.0050083	0.1429278	-2.258283
NBPF8	0.30109	2.850135	2.1909537	0.0398767	0.3071686	-4.132545

CHMP2B	0.3010333	10.548963	2.2471442	0.0355088	0.2935801	-4.030876
CD58	0.301002	8.632681	3.3075055	0.0033511	0.1215786	-1.886072
LTN1	0.3008267	8.48294	2.2053053	0.0387168	0.3044316	-4.106726
LOC100288675	0.30051	9.649325	3.9610307	0.0007133	0.0528807	-0.438899
POGLUT1	0.300275	9.3207625	2.2116452	0.0382143	0.3036665	-4.095288
ZDHHC20	0.29983	8.89899	2.1092086	0.047106	0.3226287	-4.277601
CCNT2	0.299605	7.613315	3.2043049	0.0042613	0.1334313	-2.108909
SIK3	0.2995917	7.8196725	2.501205	0.0207257	0.2449966	-3.552934
ULK1	0.29954	9.40805	2.5884561	0.017145	0.2314123	-3.382521
PGBD2	0.29932	5.45586	3.8691738	0.0008881	0.0594366	-0.644908
LMO4	0.299174	8.185923	2.6041095	0.0165675	0.2284397	-3.351637
RPL39L	0.29889	8.589405	3.0671072	0.0058501	0.1547152	-2.401652
MYB	0.29882	6.39009	2.7184443	0.0128731	0.2105598	-3.123365
YBX1	0.29881	10.197902	3.402552	0.0026824	0.1072026	-1.679092
NOP9	0.2986	6.87972	2.7899635	0.0109748	0.1994366	-2.978294
USP10	0.29834	8.622225	2.5342739	0.0192932	0.2407184	-3.488697
WFDC5	0.29821	11.763035	2.2400739	0.0360333	0.2953057	-4.043754
CTDSP2	0.298135	10.573588	5.0154	5.78E-05	0.0112685	1.9317197
VWC2	0.29794	2.84086	2.1667971	0.0419005	0.310758	-4.175768
FAM71C	0.29787	4.504545	2.30272	0.0316233	0.2845544	-3.928816
NAPEPLD	0.29779	7.321719	3.3371997	0.0031264	0.1169506	-1.821579
TMEM65	0.297705	8.4973475	2.195894	0.0394739	0.3060687	-4.123669
ZBTB14	0.29731	8.229425	3.242131	0.0039028	0.1290124	-2.027478
EMD	0.29723	9.260315	2.7180175	0.0128854	0.2105811	-3.124226
IDS	0.297158	7.992236	3.6092448	0.0016474	0.0840639	-1.224133
E2F2	0.29702	6.9937533	3.5607255	0.0018478	0.0887572	-1.331458
KITLG	0.2967633	7.424405	2.5036022	0.0206186	0.2446173	-3.548292
CEP170B	0.29611	8.466105	2.1715307	0.0414967	0.3103101	-4.167322
LOC101928963	0.29577	7.718455	2.235408	0.0363833	0.2970767	-4.05224
HNRNPC	0.29559	9.440555	2.928351	0.0080323	0.1720179	-2.693049
PTK6	0.29548	10.15675	3.5885305	0.0017302	0.0865621	-1.269989
C21orf91	0.29536	9.58278	2.9138709	0.0083006	0.173805	-2.723159
PIK3C2B	0.29515	11.190215	2.9564757	0.0075347	0.1679469	-2.634398
SPOP	0.2948767	9.006585	2.9047066	0.0084748	0.1745115	-2.742185
LOC101929177	0.29485	9.427215	3.2326996	0.0039893	0.1295711	-2.047809
DDX21	0.29475	11.022595	3.0108071	0.0066561	0.1629072	-2.520491
PCMTD2	0.294595	8.2249025	2.4788911	0.0217478	0.2483959	-3.59603
STAU2	0.2945567	7.7996383	2.3625351	0.0278811	0.2713197	-3.817362
TAB2	0.294405	9.4594675	2.7875699	0.0110337	0.1998272	-2.983176
ZNF770	0.294315	9.9308325	2.4561775	0.0228363	0.2531293	-3.639688
PCGF3	0.29409	8.032805	3.0865946	0.0055937	0.1516016	-2.360336
LOC100129884	0.29396	4.21005	2.3409537	0.0291814	0.2761845	-3.857763
ANKS1A	0.29391	9.613085	3.8846752	0.0008559	0.0582462	-0.610181
DGKA	0.293745	9.3562675	2.7110837	0.0130853	0.2117402	-3.138199
CBX3	0.2935225	9.0143188	2.2004987	0.0391018	0.3053096	-4.115385
KIAA0100	0.29335	9.555	2.3237125	0.0302603	0.2794158	-3.889887
TBC1D32	0.293235	6.3629075	2.3923034	0.0261752	0.2661532	-3.761293
PCGF6	0.2931	8.41762	2.5111454	0.020285	0.2433422	-3.53367
POM121	0.29298	7.19488	2.5236606	0.0197426	0.2420324	-3.509361
NFE2L2	0.29282	8.4183433	2.7007514	0.0133887	0.2133336	-3.15899
C2orf69	0.292795	10.759563	2.0936609	0.048608	0.3269617	-4.304795
SF3B1	0.292594	10.714541	2.9742772	0.0072352	0.1657976	-2.597163
MBD4	0.2922875	8.7933588	2.632876	0.0155537	0.2228713	-3.294646
KCTD10	0.2917	10.698015	2.9552384	0.007556	0.1682098	-2.636983
UBE2G2	0.291685	8.6366925	2.0906322	0.0489056	0.3280324	-4.310078
ESYT2	0.291588	8.46839	2.2494173	0.0353417	0.2933725	-4.026731
SETD1A	0.29152	8.43979	3.5068005	0.0020988	0.0950124	-1.450381
NAA30	0.29146	6.8614675	3.1758888	0.0045516	0.1371636	-2.169886
PYCARD	0.29104	11.55655	2.439097	0.0236881	0.2574113	-3.672377

LINC00959	0.29097	7.600355	2.3970653	0.0259114	0.2653455	-3.752288
LINC00926	0.29069	6.293055	3.5202238	0.0020334	0.0934308	-1.420815
FAM219B	0.2905633	9.696865	2.7370526	0.0123512	0.2084999	-3.085782
FAM109A	0.29054	9.75131	2.5760245	0.0176171	0.2333881	-3.406981
UBAC2	0.29051	11.047265	3.8257708	0.0009849	0.0627386	-0.742048
WIPF2	0.2904375	9.5213488	2.2782447	0.0332837	0.2877404	-3.973944
POC1A	0.290435	5.9448925	2.8566635	0.009447	0.18288	-2.841527
MCL1	0.2902283	9.1607425	3.712173	0.0012905	0.0722635	-0.995548
KRCC1	0.2900667	9.7188833	3.8770762	0.0008715	0.0588538	-0.627206
UBN2	0.290018	7.652641	2.4509667	0.0230931	0.2545192	-3.649673
SYNGR2	0.289955	7.9278625	4.034524	0.0005984	0.0483991	-0.27373
EIF4G1	0.28993	10.9604	4.0456002	0.0005828	0.0478919	-0.248815
CCNL1	0.28977	8.3069825	2.1012673	0.0478679	0.3245898	-4.291507
SH3BP5L	0.28958	9.99166	2.4521578	0.0230342	0.2545192	-3.647392
AGPAT5	0.289545	7.9818875	2.5156018	0.0200902	0.2429046	-3.525021
KIF13A	0.2894033	8.3723633	2.0919714	0.0487738	0.3276002	-4.307743
MCUR1	0.28928	10.51263	3.6436912	0.0015183	0.0800705	-1.147764
C11orf87	0.28898	2.7725233	2.4461886	0.0233309	0.2557028	-3.65882
CCDC115	0.2889	9.82656	3.0772479	0.0057153	0.1530719	-2.380163
SEPSECS	0.288878	6.448045	2.3954471	0.0260008	0.2654831	-3.75535
GPATCH11	0.288765	7.5675975	3.4066324	0.0026568	0.1072026	-1.670172
RNF141	0.2884425	7.4551538	2.2197877	0.0375776	0.3020038	-4.080568
MFSD1	0.28784	11.52659	3.0203315	0.0065126	0.1619721	-2.500443
VPS13A	0.2878117	8.2297442	2.3911386	0.0262401	0.2665809	-3.763495
EMG1	0.2878	10.33042	3.2744576	0.0036198	0.1261795	-1.957658
MAP3K7	0.2877975	8.9023038	2.4940804	0.0210471	0.2458132	-3.566716
TTPAL	0.28706	9.58722	2.1508591	0.0432864	0.3128667	-4.204123
BRWD3	0.2867067	8.0906433	2.7361479	0.0123761	0.2084999	-3.087612
DERL1	0.2863575	8.8587363	3.0544958	0.006022	0.1569074	-2.428341
SMCHD1	0.2862083	7.2184742	2.7010322	0.0133804	0.2133336	-3.158426
PELP1	0.286	9.21136	3.2600602	0.0037432	0.1270625	-1.98878
KCTD15	0.285622	8.051463	2.3619754	0.0279141	0.2713197	-3.818412
NFXL1	0.28561	8.670785	2.4904172	0.0212141	0.2463611	-3.573794
SLC30A5	0.285484	9.428756	2.9626887	0.0074289	0.1668023	-2.621412
CYP4Z2P	0.28538	3.87398	2.2107092	0.0382881	0.3038602	-4.096978
DLG1	0.2851529	7.556485	2.3552331	0.0283149	0.2726496	-3.831055
ZNF850	0.28513	6.819345	2.1222559	0.0458779	0.3192804	-4.254681
ZBTB41	0.28434	9.32109	3.395522	0.002727	0.1087726	-1.694455
FAM110A	0.28406	9.12956	2.5939427	0.0169405	0.230476	-3.371706
RANBP6	0.28406	10.27429	2.6572298	0.0147414	0.2179193	-3.246161
ZHX1	0.28382	10.151285	2.7495722	0.0120114	0.2065362	-3.060432
LOC286161	0.28372	9.1658	2.3205527	0.0304619	0.2802904	-3.895759
FAM83C	0.283675	11.695458	2.6901046	0.0137084	0.2139002	-3.180376
PARP2	0.2832733	9.3112133	2.437942	0.0237467	0.2577748	-3.674583
TGFBR1	0.2831233	7.0955683	2.4254238	0.0243911	0.2595886	-3.698456
DIAPH1	0.2829425	7.0242363	3.0040242	0.0067602	0.163155	-2.534754
SLC22A15	0.28282	7.9534	3.0182195	0.0065442	0.1621019	-2.50489
FAM131A	0.28257	7.9739817	3.5487377	0.0019009	0.0898372	-1.357929
TRAFD1	0.28192	9.64666	4.6331619	0.0001432	0.0219036	1.0753042
R3HDM4	0.281495	9.3867175	3.5437189	0.0019236	0.0902779	-1.369006
XIAP	0.2814557	8.1094621	2.9154104	0.0082716	0.173805	-2.719961
POLD2	0.28131	9.688845	3.2277661	0.0040354	0.1304446	-2.058437
FBXO33	0.2809	9.36953	2.5401398	0.019049	0.2404439	-3.477257
MED20	0.28069	7.523495	3.3459185	0.0030632	0.1158594	-1.802612
LMLN	0.2801825	6.9121763	2.4208096	0.0246327	0.2601021	-3.707238
CEP76	0.28017	8.24732	2.1290606	0.045249	0.3178459	-4.242692
DESI2	0.280082	7.672343	3.7921781	0.0010669	0.0645889	-0.81713
OSTC	0.27989	10.713805	2.1064958	0.047365	0.3228596	-4.282355
ARMC1	0.27966	10.29955	2.8960482	0.0086426	0.1761407	-2.760138

ARL1	0.27956	10.264133	3.3550061	0.0029987	0.1146923	-1.782829
SLC35A5	0.27933	9.888615	2.9407846	0.0078085	0.1692469	-2.667147
TES	0.27905	8.637405	2.5802393	0.0174557	0.233149	-3.398695
RHBDL2	0.27901	8.0982017	2.5423386	0.0189582	0.2404439	-3.472965
TMEM246	0.27899	9.12589	2.879759	0.008967	0.1790079	-2.793856
TRNAU1AP	0.278745	8.72971	3.4825814	0.0022221	0.0973424	-1.503661
NDUFAF7	0.27854	8.3439967	4.2545445	0.0003536	0.0367738	0.2219113
BTF3L4	0.278478	9.647715	2.677885	0.0140841	0.2155487	-3.204873
HSPH1	0.2781833	9.1840217	2.6087137	0.0164012	0.2279634	-3.342536
CMTM6	0.2777125	9.0058488	2.0859507	0.0493688	0.3303407	-4.318233
CEP128	0.277162	5.812127	2.3766515	0.0270597	0.2693072	-3.790823
CENPH	0.27707	7.887135	2.2807558	0.0331097	0.2873912	-3.969327
SPOPL	0.276815	9.6347825	3.7719981	0.0011194	0.0664105	-0.862188
PTPN1	0.2766075	5.9506413	3.0120956	0.0066365	0.1628259	-2.51778
VDAC3	0.2763933	10.87381	3.41461	0.0026075	0.1067094	-1.652724
HDHD3	0.27619	8.503015	2.2312142	0.0367005	0.2978989	-4.059857
BLOC1S6	0.2760033	8.4381517	2.2079562	0.038506	0.3038602	-4.101946
CRYZ	0.27592	11.0179	2.0824887	0.0497139	0.331104	-4.324257
SBNO1	0.275614	8.014599	2.5347997	0.0192712	0.2407184	-3.487672
CAAP1	0.27556	9.912315	4.3816849	0.0002609	0.0306841	0.5086615
EMC7	0.275475	10.892903	4.7536158	0.0001075	0.0174571	1.346023
USP31	0.275374	7.724789	2.4729019	0.02203	0.249856	-3.607563
KNOP1	0.27534	8.00157	2.1553899	0.0428882	0.3126357	-4.196076
GAB2	0.27522	8.551	2.4149086	0.0249449	0.260714	-3.718457
LUC7L3	0.27521	9.742505	3.5664149	0.0018232	0.0887572	-1.318888
ZBTB1	0.275115	8.0749675	3.0714255	0.0057923	0.1543269	-2.392504
SMC1A	0.2750375	7.8963813	2.7934689	0.0108889	0.1987593	-2.971141
OSBPL3	0.27488	9.20534	3.5283589	0.0019947	0.0922941	-1.402885
LMNB2	0.27484	8.2342	2.4357994	0.0238559	0.2579817	-3.678674
FGFR1OP2	0.2747514	6.5529543	2.3006928	0.0317579	0.2849425	-3.932564
UFM1	0.27471	9.3085317	2.7231387	0.0127395	0.21011	-3.113895
RNGTT	0.2742875	7.1295938	2.1854663	0.0403285	0.3084394	-4.142389
C18orf54	0.274218	4.886027	2.1765292	0.0410742	0.309304	-4.15839
DUT	0.2738467	10.827537	3.1481697	0.0048531	0.139668	-2.229199
RBM17	0.2729925	8.9281038	4.9770112	6.33E-05	0.011995	1.8461059
RELA	0.27268	8.77019	2.2002571	0.0391213	0.3053096	-4.11582
METAP1	0.27068	10.06425	3.8245867	0.0009877	0.0627386	-0.744695
MSX2	0.27063	5.5925617	2.4658307	0.0223676	0.2517011	-3.62116
RUNDC1	0.27048	6.440735	2.5972208	0.0168194	0.2301873	-3.36524
CEP120	0.27035	7.28652	2.5133656	0.0201877	0.2433422	-3.529362
UBN1	0.269995	9.7053925	5.2687674	3.19E-05	0.0074977	2.4938723
PTPN3	0.26984	9.795215	2.6786568	0.0140601	0.2153422	-3.203327
BICD2	0.2698325	9.6104863	2.8637352	0.0092975	0.1813583	-2.826947
AVEN	0.26927	8.518425	2.0920509	0.048766	0.3276002	-4.307604
MPHOSPH10	0.26921	10.880485	2.2318674	0.0366509	0.2977926	-4.058671
DOLPP1	0.26918	8.21679	2.4791749	0.0217345	0.2483959	-3.595483
EFCAB7	0.26916	7.821	2.9365178	0.0078846	0.1697415	-2.67604
ZRANB1	0.2691333	9.6986067	4.4665804	0.000213	0.0267418	0.7000947
RABGAP1L	0.269104	7.527372	2.6909746	0.013682	0.2139002	-3.17863
ZNF687	0.26898	7.68515	2.9519289	0.0076131	0.1682831	-2.643894
SGPL1	0.2687467	9.8865833	2.1499681	0.043365	0.3129932	-4.205704
POLR3E	0.26838	4.10047	2.3219494	0.0303726	0.2802004	-3.893164
CDK20	0.26835	7.535965	2.1887121	0.0400607	0.3073572	-4.136568
FGFR3	0.26801	9.45677	3.1091142	0.005311	0.1479255	-2.312477
CNIH4	0.2679017	8.7037675	3.793438	0.0010637	0.0645889	-0.814315
NAA15	0.2678933	7.43193	2.1700763	0.0416204	0.3105898	-4.169918
MAGOHB	0.267605	6.8955525	2.2881911	0.0325995	0.2860494	-3.955638
KLK5	0.2672	12.43297	2.2740141	0.0335787	0.288692	-3.981715
ZNF391	0.267145	4.2027475	2.1067746	0.0473383	0.3228596	-4.281867

TLK1	0.26702	6.4781914	2.7653256	0.0115965	0.2041515	-3.028459
PRPF40B	0.26693	6.354365	3.4623529	0.0023306	0.099766	-1.548096
MPPE1	0.26691	9.4535217	2.2328716	0.0365748	0.2976126	-4.056848
CAB39	0.266855	9.8424625	2.1870716	0.0401958	0.3079322	-4.139511
HDDC3	0.26682	8.90425	2.7359934	0.0123804	0.2084999	-3.087925
BIRC2	0.26682	9.9772	3.984569	0.0006743	0.0512908	-0.386028
LOC554174	0.26663	6.308575	2.5757355	0.0176282	0.2333881	-3.407549
GTF2F2	0.2666	10.26774	2.1016334	0.0478325	0.3245898	-4.290867
TMEM14B	0.26642	10.794445	3.9874747	0.0006696	0.0511261	-0.3795
TOB2	0.2664133	7.58183	2.3268101	0.0300638	0.2786912	-3.884125
CBX7	0.26599	10.045755	2.249264	0.0353529	0.2933725	-4.027011
UBXN7	0.265965	9.0478175	2.1984139	0.0392699	0.3055287	-4.119137
CHCHD4	0.26571	9.156255	2.1596465	0.0425172	0.3123443	-4.188506
TFDP1	0.2656167	8.5110117	3.2235274	0.0040753	0.1309087	-2.067564
EFHC2	0.26554	5.502145	2.4569509	0.0227984	0.2531207	-3.638205
RAD51C	0.26553	8.679875	3.1928026	0.0043766	0.1343809	-2.133612
CUL4A	0.2654833	9.3249383	3.5870114	0.0017365	0.0866619	-1.273349
FKBP4	0.26546	7.698745	2.4356191	0.0238651	0.2579817	-3.679018
FAM174A	0.26546	9.31413	2.7085187	0.01316	0.2120879	-3.143364
POU3F1	0.26538	5.73943	2.2968149	0.0320168	0.2854238	-3.939729
RNF168	0.264785	8.3968825	3.9269932	0.0007737	0.0556488	-0.515297
THOC2	0.26436	9.03186	2.4846382	0.0214801	0.2472716	-3.58495
COPS7B	0.2641733	7.05566	3.2606125	0.0037384	0.1270625	-1.987586
TMEM50B	0.264124	9.906108	2.9721365	0.0072706	0.1660398	-2.601645
TRAF3IP1	0.26409	8.038095	2.5051658	0.020549	0.2443196	-3.545263
FBXL17	0.26404	6.12933	3.4876716	0.0021956	0.0966173	-1.49247
DIP2A	0.264035	5.9039975	3.4564249	0.0023633	0.100537	-1.561107
SEC24B	0.26373	10.621825	3.6056208	0.0016616	0.0841588	-1.232159
TRAPPC6A	0.26329	8.706325	2.6869583	0.0138042	0.2144732	-3.186689
HYPK	0.26326	8.63978	2.0948009	0.0484965	0.3268559	-4.302806
SIVA1	0.2629767	7.8999117	3.7422282	0.0012015	0.0688541	-0.928592
CD44	0.2628238	9.2621442	2.106447	0.0473697	0.3228596	-4.282441
PREP	0.26282	8.8184967	2.4366497	0.0238125	0.2579817	-3.67705
RCOR1	0.26248	9.222315	2.5282301	0.0195479	0.2414203	-3.500469
LOC101927027	0.26235	6.1483575	2.3469542	0.0288144	0.2745723	-3.846551
MBTD1	0.26233	7.216415	2.376736	0.0270548	0.2693072	-3.790663
C2CD5	0.26233	10.349265	3.1460492	0.0048769	0.1401572	-2.23373
ZFPL1	0.2619833	7.230715	2.6885695	0.013755	0.2139002	-3.183457
PCBP2	0.2618133	8.3891183	2.2001382	0.0391308	0.3053096	-4.116034
SERPINB7	0.26169	11.737165	2.6435314	0.0151933	0.2203769	-3.273459
UNKL	0.2615333	7.47451	2.6720905	0.0142656	0.2169559	-3.216471
SMARCC1	0.2613525	9.4228863	2.3110536	0.0310756	0.2826083	-3.913386
JKAMP	0.261335	10.002558	2.1754172	0.0411679	0.3095836	-4.160378
ACTR5	0.26124	7.52158	2.5752635	0.0176463	0.2334062	-3.408477
HYLS1	0.2608	7.97163	2.1561064	0.0428256	0.3125167	-4.194802
CNOT6L	0.26078	6.928806	2.6978025	0.0134765	0.2134632	-3.164918
NCBP1	0.26075	7.09894	5.0604033	5.20E-05	0.0102312	2.0319482
TBCC	0.26058	7.47815	2.0961354	0.0483661	0.3264842	-4.300476
GNL1	0.260324	6.664174	4.211315	0.0003921	0.0380605	0.1244382
MAD2L2	0.26002	9.04303	2.9630248	0.0074232	0.1668023	-2.620709
GDAP2	0.259775	7.4258475	2.3984074	0.0258375	0.2651394	-3.749748
USB1	0.2597567	7.2387417	4.0470612	0.0005808	0.0478919	-0.245529
AJUBA	0.2595925	8.4926613	2.5112924	0.0202785	0.2433422	-3.533385
AMD1	0.25926	10.406985	2.6252104	0.015818	0.2244189	-3.309863
POLR2E	0.25912	9.391045	2.6505283	0.0149609	0.219605	-3.259524
DNAJB1	0.25887	10.807165	2.5244932	0.019707	0.2418979	-3.507741
MAZ	0.25866	9.2292	3.0349811	0.0062977	0.1594852	-2.469562
AK7	0.25854	4.8843025	2.4431225	0.0234847	0.2563942	-3.664684
ATG12	0.2583833	9.198805	2.6983432	0.0134604	0.2134632	-3.163831

PAPSS1	0.25821	10.567345	3.1357593	0.0049943	0.1429274	-2.2557
CASP2	0.2581386	6.6952564	2.4925833	0.0211152	0.2461259	-3.569609
PLEKHN1	0.25806	7.5897	2.3833504	0.0266778	0.2682462	-3.778198
ALAD	0.25803	8.432095	3.5726176	0.0017966	0.0880809	-1.30518
SSFA2	0.2579467	10.504427	2.3826721	0.0267162	0.268369	-3.779477
DNAJB2	0.25794	10.6978	3.0845737	0.0056198	0.1519059	-2.364625
SNX24	0.257934	6.735575	2.6921704	0.0136458	0.2139002	-3.17623
OAZ2	0.257085	10.702523	2.2513498	0.0352002	0.2932771	-4.023205
CEBPZ	0.25708	10.79916	3.7043189	0.0013148	0.0731087	-1.01303
PIK3CA	0.25701	7.6272083	2.5410432	0.0190117	0.2404439	-3.475494
USP47	0.256366	9.948381	4.0078337	0.0006378	0.0500052	-0.333744
CLDN12	0.25619	10.509095	2.5195647	0.0199186	0.2422281	-3.517323
MAGEE1	0.256055	8.3232475	2.5287425	0.0195262	0.2414203	-3.499472
RAB40C	0.2559633	8.5261383	2.1136302	0.0466865	0.3225145	-4.269844
EXOSC5	0.25584	7.44769	3.0912947	0.0055336	0.150632	-2.350357
C2CD2L	0.25569	7.314425	2.345219	0.0289201	0.2749568	-3.849795
DENND2D	0.255585	8.4598175	2.1660426	0.0419652	0.3110076	-4.177113
PKP3	0.25511	9.07964	2.4919876	0.0211423	0.2461259	-3.57076
CSNK2A1	0.2549325	9.1917513	2.1256056	0.0455674	0.3186185	-4.248782
EI24	0.254675	10.492573	3.0001984	0.0068195	0.1633975	-2.542793
ZMYM2	0.2545833	6.570515	2.1298584	0.0451758	0.3177679	-4.241285
PGK1	0.2545567	10.260753	2.87412	0.009082	0.1797951	-2.80551
GPR157	0.25428	8.611935	2.3954714	0.0259994	0.2654831	-3.755304
ENSA	0.253946	10.318107	2.4826377	0.0215729	0.2479919	-3.588808
DOK4	0.2538467	8.9833733	2.8525853	0.0095342	0.1837003	-2.849929
DCP2	0.25362	7.1913025	3.0356607	0.0062879	0.1594342	-2.468128
EIF6	0.25349	11.545755	2.4610999	0.0225962	0.2529674	-3.630245
MLLT10	0.2534637	7.1948569	2.5329112	0.0193504	0.2407665	-3.491352
RPS27	0.25283	9.05585	2.1246537	0.0456554	0.3186185	-4.250459
PARG	0.25268	9.1207	2.1944337	0.0395926	0.3064941	-4.126294
B4GALT1	0.2526367	6.2923617	2.7369999	0.0123527	0.2084999	-3.085889
NRGN	0.25263	5.809955	2.3255636	0.0301427	0.2790858	-3.886444
HDGF	0.25252	12.15464	2.989345	0.0069907	0.1640414	-2.56558
DDX42	0.2521267	7.4694233	2.7354581	0.0123951	0.2085768	-3.089007
KLHDC2	0.2518	11.65363	3.0544032	0.0060233	0.1569074	-2.428537
BRD2	0.2517733	10.134537	2.7373525	0.012343	0.2084999	-3.085176
SH3BP2	0.25167	8.088079	2.3306947	0.029819	0.278335	-3.876894
MON2	0.2515067	7.8739267	2.3692763	0.027486	0.2710688	-3.804699
PARL	0.25133	10.231415	3.0177833	0.0065507	0.1621019	-2.505809
TADA1	0.25111	6.185375	2.6432567	0.0152025	0.2203769	-3.274005
C4orf32	0.251045	7.5894375	2.9721837	0.0072699	0.1660398	-2.601546
COX16	0.25102	11.17748	3.0452898	0.0061506	0.1577689	-2.447799
CLK2	0.25085	9.633365	2.7301938	0.0125412	0.2091864	-3.099649
BRWD1	0.2508425	7.8882	3.9685306	0.0007006	0.0527058	-0.422056
7-Mar	0.250778	7.833931	2.1520321	0.043183	0.3126357	-4.202041
DLEU1	0.25065	8.206775	2.1731796	0.0413569	0.3097383	-4.164377
GPBP1	0.250635	9.9510875	3.638387	0.0015375	0.0808552	-1.159533
SLC25A14	0.24986	8.957805	2.7085901	0.0131579	0.2120879	-3.14322
PSEN1	0.2498286	6.9776471	3.2100183	0.0042052	0.1328961	-2.096628
ACAP2	0.2498167	9.1462417	2.5388143	0.019104	0.2404439	-3.479843
SRF	0.249455	7.8636625	3.5719777	0.0017993	0.0880809	-1.306594
KLHL7	0.2492933	9.0366033	2.5079332	0.0204264	0.2439197	-3.539899
WDR45B	0.24891	10.292425	3.2450705	0.0038762	0.1287571	-2.021138
UBAC1	0.24887	10.043145	3.3656273	0.0029251	0.1127167	-1.759688
KLHL42	0.2487933	8.6297967	4.1598818	0.0004435	0.0405089	0.0085097
RAPH1	0.24877	8.6095575	2.2168687	0.0378048	0.3029589	-4.085849
YWHAZ	0.248496	11.271654	2.1941155	0.0396185	0.3064941	-4.126866
GNAI3	0.24832	10.774037	3.0087432	0.0066876	0.1629072	-2.524832
DHX36	0.247895	8.163935	2.2770421	0.0333673	0.2877404	-3.976154

HSPA4	0.247675	9.2052575	2.4467282	0.0233039	0.2557028	-3.657787
GOPC	0.247645	7.64636	2.6885097	0.0137569	0.2139002	-3.183576
CMAS	0.24763	9.089485	3.5643878	0.0018319	0.0887572	-1.323367
SIN3A	0.24761	9.03382	2.2263799	0.0370693	0.2994251	-4.068627
EDC3	0.247495	7.9068625	2.3377723	0.0293778	0.2768902	-3.863701
SMEK2	0.24747	8.3882567	3.2969615	0.0034346	0.1236041	-1.908935
APC	0.247452	6.953934	2.1164331	0.0464224	0.321236	-4.264921
TET3	0.24744	8.01022	2.0832591	0.0496369	0.3309449	-4.322917
CCDC6	0.247115	11.176618	2.3518048	0.0285208	0.2734734	-3.837475
TBC1D22B	0.2466733	6.8556733	2.4848345	0.021471	0.2472716	-3.584571
SCML1	0.24636	8.50808	2.1120375	0.0468372	0.3225795	-4.272639
SLC18A2	0.246285	8.1113375	2.1109597	0.0469395	0.3226287	-4.27453
SMU1	0.2462333	8.0634333	2.6577485	0.0147246	0.2179193	-3.245126
CDC26	0.2462	9.97574	2.9628655	0.0074259	0.1668023	-2.621042
IPP	0.245872	6.571272	2.2978062	0.0319504	0.2854238	-3.937898
RBM38	0.24587	8.038365	2.4120287	0.0250986	0.26128	-3.723927
MINK1	0.2453225	10.054251	2.3809313	0.0268151	0.2685713	-3.782759
RNF44	0.24527	9.085265	2.4263493	0.0243429	0.2595799	-3.696693
ZFAND1	0.24502	10.59103	3.2216403	0.0040932	0.1309551	-2.071626
EPHB3	0.244965	8.1541725	2.2142922	0.0380063	0.3036066	-4.090507
ANAPC5	0.2447	8.6290017	2.5231311	0.0197652	0.2420324	-3.51039
SLC1A2	0.244585	4.40535	2.741536	0.0122285	0.2078785	-3.07671
TPD52	0.244538	9.621199	2.5260844	0.0196391	0.2415077	-3.504645
RHEB	0.24437	8.8647472	2.4355272	0.0238698	0.2579817	-3.679193
MRPL27	0.24428	11.17757	2.4124311	0.0250771	0.26128	-3.723163
C12orf29	0.24378	10.08393	2.2826288	0.0329805	0.2866812	-3.965881
RBAK	0.2435967	7.3349283	2.3946518	0.0260448	0.265535	-3.756854
TMEM50A	0.24345	11.680655	3.3932339	0.0027417	0.1088782	-1.699453
LOC100506351	0.24306	4.34712	2.274466	0.0335471	0.2885414	-3.980886
KIAA2026	0.24302	7.2946825	2.8918329	0.0087255	0.176598	-2.768871
POLR1E	0.2423467	6.96313	2.2424783	0.0358541	0.2949928	-4.039378
HAUS1	0.24232	9.31778	2.8552633	0.0094769	0.1831831	-2.844412
KIAA0020	0.24226	7.588325	2.1962553	0.0394446	0.3059573	-4.123019
CCT8	0.24221	8.258975	3.5128873	0.0020689	0.094494	-1.436977
MED14	0.24213	6.213731	3.6332193	0.0015565	0.0814149	-1.170995
TAF9B	0.242056	7.459872	2.3020464	0.031668	0.2847328	-3.930062
TTC9C	0.24198	7.023835	2.4073667	0.0253493	0.261836	-3.732773
COMMD3	0.24192	10.77337	3.5636816	0.001835	0.0887572	-1.324927
TMEM109	0.24183	9.762295	2.4979506	0.0208719	0.2450171	-3.559232
UBA2	0.241825	9.5170575	3.4643817	0.0023195	0.099766	-1.543642
TOR1AIP2	0.2417737	7.4220156	2.5548883	0.0184478	0.2377066	-3.448434
TRAPPC13	0.2417	6.6081567	2.3969234	0.0259193	0.2653455	-3.752557
URI1	0.24148	8.2725275	2.5755952	0.0176336	0.2333881	-3.407825
CHTF8	0.24138	11.17272	2.9775397	0.0071816	0.1657976	-2.59033
COG1	0.2413733	7.75181	2.5343956	0.0192881	0.2407184	-3.488459
UBE2N	0.2410933	10.29569	2.2580609	0.0347127	0.2917007	-4.010945
RAD1	0.24099	8.586863	2.5485696	0.0187031	0.2388913	-3.460793
GPATCH2	0.24092	7.854216	3.9988678	0.0006516	0.0505073	-0.353897
PAQR7	0.24074	12.13977	2.7222933	0.0127635	0.21011	-3.115601
AQR	0.2406075	7.5442488	2.1781427	0.0409386	0.3088941	-4.155504
GTF3C2-AS1	0.240555	5.7356875	2.8715884	0.0091341	0.1799453	-2.810739
CIAPIN1	0.2405533	8.3037	2.5515565	0.018582	0.2384562	-3.454953
DCTN4	0.2404133	8.23539	2.1591804	0.0425577	0.3123443	-4.189335
RPS28	0.24041	10.201302	2.9649978	0.0073899	0.1668023	-2.616583
TRA2B	0.24026	9.399745	3.0517602	0.00606	0.156961	-2.434125
CCDC64	0.239885	7.7034175	2.1639764	0.0421428	0.311667	-4.180796
MSANTD4	0.2397867	6.0046533	2.5208597	0.0198628	0.2422281	-3.514807
MTM1	0.23976	8.59592	2.5367962	0.0191879	0.2404439	-3.483779
CDKN2AIP	0.23965	8.773675	2.2224896	0.0373685	0.300682	-4.075677

5-Mar	0.23964	9.6416	2.2776987	0.0333216	0.2877404	-3.974947
FBXW2	0.238986	8.449271	3.4802313	0.0022345	0.0973424	-1.508826
TRIM37	0.238985	7.8529975	2.2761588	0.0334288	0.2878876	-3.977776
SFT2D2	0.238575	9.6686525	2.4976832	0.020884	0.2450171	-3.559749
WAPAL	0.238185	8.26507	4.0530515	0.0005725	0.0478147	-0.232052
BOD1	0.23815	10.765045	2.1107137	0.0469628	0.3226287	-4.274962
RTN4	0.23809	11.869333	2.7639515	0.0116321	0.2041515	-3.031251
STK38	0.238024	7.009624	2.6797431	0.0140263	0.2149864	-3.201151
RNF146	0.23799	9.26343	2.6840075	0.0138946	0.2148242	-3.192606
ZNF564	0.23788	8.86767	3.1840359	0.0044664	0.1353247	-2.152421
TAS2R4	0.23759	3.575015	2.1904302	0.0399196	0.3071686	-4.133485
METTL17	0.2375025	8.6331963	2.964505	0.0073982	0.1668023	-2.617614
KLF3	0.2374975	8.6338638	2.4330335	0.0239975	0.2583393	-3.683952
GPN3	0.2372	8.66012	2.5712937	0.0177999	0.2339248	-3.416274
KIAA1468	0.237175	9.9466675	2.2957781	0.0320864	0.2854238	-3.941644
PEX2	0.2365267	7.1977567	2.7194548	0.0128443	0.2105598	-3.121327
HERPUD1	0.236525	8.7123175	2.3857883	0.0265401	0.2675862	-3.773598
BLCAP	0.236	12.98134	2.9791631	0.0071551	0.1657976	-2.586929
SEC61G	0.23581	11.510185	2.6563161	0.0147712	0.2179193	-3.247983
SCO1	0.23578	8.90009	2.3712303	0.0273725	0.2704467	-3.801025
LCLAT1	0.23575	10.577555	2.4941199	0.0210453	0.2458132	-3.56664
PPP1R13L	0.23521	10.835325	2.1359552	0.0446197	0.315809	-4.23052
MTF2	0.234926	8.149583	3.561404	0.0018449	0.0887572	-1.329959
UTP3	0.23485	10.296015	2.3716345	0.027349	0.2704467	-3.800265
NSUN4	0.2348425	6.3938588	2.3167717	0.0307048	0.281047	-3.902781
PTGES	0.234835	9.0176925	2.118738	0.0462062	0.3204799	-4.26087
ZNF732	0.234825	2.7704125	2.2867199	0.0326999	0.2860838	-3.958349
RCBTB1	0.2347433	5.0885783	2.9745427	0.0072309	0.1657976	-2.596607
CDC42	0.234358	9.202319	3.9392089	0.0007514	0.0545235	-0.487886
DUSP11	0.23432	10.52356	2.4293827	0.0241856	0.2592064	-3.690913
EIF2AK3	0.23426	5.6545	2.4409272	0.0235954	0.257087	-3.66888
YAF2	0.23413	5.514725	2.3664083	0.0276534	0.2710688	-3.810089
ATP1B3	0.2339333	9.8853467	3.3347186	0.0031446	0.1174167	-1.826973
COQ2	0.23368	7.94271	2.40843	0.0252919	0.2617224	-3.730757
GDNF	0.23365	4.576605	2.5948565	0.0169066	0.230476	-3.369904
MOAP1	0.23364	9.75616	2.7384913	0.0123117	0.2084999	-3.082872
GAS5	0.23363	6.910585	2.1375617	0.0444742	0.315495	-4.22768
MRPS6	0.23354	11.57505	2.6007786	0.0166888	0.2291861	-3.358217
PSMB7	0.23346	9.545055	2.5033208	0.0206311	0.2446173	-3.548837
FARSB	0.23333	6.696905	2.3877539	0.0264295	0.2672716	-3.769888
ZRSR2	0.23321	8.838325	2.3081349	0.0312664	0.2837134	-3.918794
PIGM	0.23315	7.0204817	2.3495878	0.0286546	0.2740492	-3.841625
ZBED5	0.233145	8.5783425	2.2137065	0.0380522	0.3036066	-4.091565
CYTH1	0.233055	8.2510175	2.2955424	0.0321022	0.2854238	-3.942079
FAM204A	0.23295	9.1986875	2.4252825	0.0243985	0.2595886	-3.698725
PNPT1	0.23282	7.71848	2.5636365	0.0180996	0.2352244	-3.431298
USP1	0.232795	9.6086825	2.4685072	0.0222393	0.2509984	-3.616016
TRIM41	0.23265	9.621235	2.0836374	0.0495991	0.3309088	-4.322259
PIGS	0.23264	9.12295	2.5377553	0.019148	0.2404439	-3.481909
CDKN2D	0.23238	6.698565	2.8923892	0.0087145	0.176598	-2.767719
ZBTB21	0.23236	9.362605	2.2764499	0.0334086	0.287834	-3.977242
RAD54L2	0.2321467	7.0909233	2.7949636	0.0108525	0.1984488	-2.968089
SNHG4	0.23208	2.9847	2.4363694	0.0238268	0.2579817	-3.677586
TWISTNB	0.2318	7.571	2.2372726	0.036243	0.2962864	-4.04885
ATP5E	0.231755	9.4541525	2.7699402	0.0114776	0.2032089	-3.019079
PTPLAD1	0.230535	9.8808725	2.0840634	0.0495566	0.3309088	-4.321518
KIAA0247	0.23026	11.49932	2.7402468	0.0122637	0.2080756	-3.079319
LSM5	0.2300833	9.9509317	3.2600102	0.0037437	0.1270625	-1.988888
CCDC174	0.2300167	7.537115	2.6663096	0.014449	0.2173935	-3.22803

BTAF1	0.2298	11.35968	2.3674211	0.0275942	0.2710688	-3.808186
INO80B	0.22962	7.78469	2.2326593	0.0365909	0.2976126	-4.057233
LARP1B	0.2292267	6.9988133	2.9234189	0.0081227	0.173132	-2.703311
FAM96A	0.22887	11.064315	3.4880158	0.0021939	0.0966173	-1.491713
RFX7	0.228865	8.9231175	3.0407373	0.0062152	0.1587699	-2.457413
CERK	0.22879	9.268845	2.5942973	0.0169273	0.230476	-3.371007
EIF4A3	0.22869	11.496365	3.0791734	0.0056901	0.1525953	-2.37608
SDF4	0.2286725	8.7999413	2.8044373	0.0106245	0.1956774	-2.948733
ELL2	0.22857	9.0819475	2.3759345	0.0271009	0.2695147	-3.792173
SSSCA1	0.22854	8.72026	2.3014181	0.0317097	0.2847328	-3.931223
SIRT1	0.22844	8.99777	2.292601	0.0323003	0.2857527	-3.947507
RAB5C	0.22819	10.115315	3.1511834	0.0048194	0.1395866	-2.222759
NAA16	0.227995	7.9281025	2.2008984	0.0390697	0.3053096	-4.114665
IL20RA	0.2278767	8.115785	2.1211971	0.0459765	0.3195555	-4.256544
PRR5L	0.2276025	4.5757838	2.5144087	0.0201422	0.2432998	-3.527338
BBS4	0.227525	8.2869075	2.4413457	0.0235743	0.2569935	-3.66808
KDM5A	0.227446	9.253141	2.3885617	0.0263842	0.2672637	-3.768362
TOX4	0.22728	8.160158	2.4889487	0.0212814	0.2467195	-3.57663
ATP6V1B2	0.22673	11.246175	2.4937009	0.0210643	0.2458744	-3.56745
DCAF7	0.2264286	7.3432543	2.1986302	0.0392524	0.3055287	-4.118747
APH1A	0.22637	8.5074983	2.3429781	0.0290571	0.27539	-3.853982
CCL1	0.22615	4.362435	2.2125572	0.0381425	0.3036066	-4.093641
SLBP	0.2259	10.19106	2.5922065	0.0170049	0.2307395	-3.37513
DTYMK	0.225602	6.757887	2.7000295	0.0134102	0.2133336	-3.160442
AKTIP	0.225575	9.8442425	2.6666001	0.0144397	0.2173935	-3.227449
IK	0.2255	11.35795	3.2810921	0.0035642	0.1257589	-1.943304
DHPS	0.22532	9.08368	2.4053896	0.0254563	0.26243	-3.736522
SIRT6	0.22507	8.06253	3.1547779	0.0047795	0.1395122	-2.215074
CYB561	0.225032	9.48212	2.8706182	0.0091541	0.1801073	-2.812742
EXOSC4	0.22486	8.27916	2.3676804	0.0275791	0.2710688	-3.807699
APPBP2	0.2245625	8.2933013	2.2948601	0.0321481	0.2854238	-3.943339
ABCC3	0.224468	7.022052	2.7417475	0.0122227	0.2078785	-3.076282
SLC35G1	0.22438	6.4789633	2.3816584	0.0267738	0.2684446	-3.781388
TMEM243	0.22437	9.462595	3.0331785	0.0063238	0.1598608	-2.473364
UBE2K	0.2242567	10.824992	2.9520434	0.0076111	0.1682831	-2.643655
STARD7-AS1	0.22418	8.04411	2.2651595	0.0342038	0.2906617	-3.997954
CCDC112	0.22368	6.26808	2.1788829	0.0408766	0.3088941	-4.15418
ARHGAP27	0.223522	6.763089	3.961377	0.0007127	0.0528807	-0.438121
MYBL1	0.22345	6.972465	2.841427	0.009777	0.1869684	-2.87289
KLF5	0.223035	12.725658	2.4919073	0.021146	0.2461259	-3.570916
COX15	0.2228725	8.3865963	2.1482438	0.0435177	0.3136335	-4.208763
CORO1C	0.22285	11.91795	2.3485654	0.0287166	0.2740663	-3.843537
CLPTM1L	0.2227667	9.25273	3.4896523	0.0021854	0.0966173	-1.488114
PSMD13	0.222745	10.227873	2.6238049	0.0158669	0.2245289	-3.31265
ARL6IP6	0.2225367	8.503155	2.7059763	0.0132345	0.2125618	-3.148481
ZBTB5	0.22222	8.65438	2.6088878	0.0163949	0.2279634	-3.342192
SPATS2	0.2222075	7.3238063	2.5166795	0.0200434	0.2429046	-3.522929
NAP1L4	0.222018	6.950397	2.8829473	0.0089026	0.178244	-2.787262
TAB3	0.2217675	6.4298313	2.3792668	0.02691	0.2689777	-3.785896
BSPRY	0.22172	9.58047	2.3932307	0.0261236	0.2658559	-3.759541
IFT74	0.221585	8.7116525	2.3559342	0.028273	0.2725606	-3.829741
ARIH2	0.221372	8.172318	2.2282698	0.0369247	0.2985469	-4.0652
MED31	0.2213667	9.0169367	3.4570796	0.0023597	0.100537	-1.55967
GSTP1	0.22123	12.763805	2.186438	0.0402481	0.3081022	-4.140647
DNAJB6	0.22113	12.192885	3.1650542	0.0046672	0.1389401	-2.19309
GDI2	0.22111	12.303935	2.6823472	0.0139458	0.2148242	-3.195933
ABI1	0.2208967	7.905525	2.6392531	0.015337	0.2214073	-3.28197
GLYR1	0.2206125	7.3010488	2.3789959	0.0269255	0.2689777	-3.786407
G3BP2	0.22053	9.062225	2.1517413	0.0432086	0.3126357	-4.202557

CAMSAP2	0.2204133	9.89942	2.874012	0.0090842	0.1797951	-2.805733
GTF3C4	0.22032	7.5667133	2.2325465	0.0365994	0.2976126	-4.057438
ENY2	0.2202867	9.0491133	2.3266668	0.0300728	0.2786912	-3.884392
ACBD3	0.2201	9.3461	2.3325931	0.0297001	0.2778797	-3.873357
DSG1	0.21995	12.756615	2.3748086	0.0271656	0.2697057	-3.794292
LOC100128343	0.21992	6.13984	2.6818883	0.0139599	0.2148242	-3.196853
SLC4A5	0.2196833	5.146385	3.2748	0.0036169	0.1261795	-1.956918
ZFAND2B	0.21932	9.21556	2.5168145	0.0200376	0.2429046	-3.522666
DNAJC16	0.21919	7.272895	2.4671396	0.0223048	0.2514912	-3.618644
CSPP1	0.218972	6.573136	2.1860066	0.0402838	0.3082598	-4.141421
AVIL	0.2185267	6.35347	3.0648287	0.0058808	0.1551514	-2.406477
C11orf58	0.21836	8.421006	2.8256532	0.0101302	0.1894729	-2.905284
SAE1	0.21805	7.8676683	2.6673694	0.0144152	0.2173935	-3.225911
UBE2G1	0.2175633	9.6920583	2.2992076	0.0318568	0.2853352	-3.935309
ZBTB18	0.21751	7.499685	2.4457198	0.0233544	0.2558228	-3.659717
SEC11A	0.217435	12.195403	3.1971511	0.0043327	0.13392	-2.124276
STIM2	0.2173067	8.6921133	2.1324634	0.0449374	0.316959	-4.236688
MAP2K4	0.21717	9.21528	2.2157979	0.0378884	0.3033146	-4.087785
METAP2	0.2166967	9.572395	2.1691574	0.0416987	0.310758	-4.171558
ATP6V0B	0.21612	10.43884	2.1677698	0.0418173	0.310758	-4.174033
UBXN1	0.216075	9.1433875	2.7640383	0.0116299	0.2041515	-3.031075
TCTE3	0.21597	4.3747083	2.4539803	0.0229443	0.2539132	-3.6439
DMPK	0.2159	7.599695	2.4763145	0.0218688	0.2492919	-3.600993
EAF1	0.21574	10.8513	2.4759085	0.0218879	0.249371	-3.601775
SDR39U1	0.21566	9.26745	3.0059021	0.0067312	0.163155	-2.530806
MEX3D	0.2156033	6.3149783	2.5350664	0.0192601	0.2407184	-3.487152
SEH1L	0.215445	9.9300375	2.5527839	0.0185324	0.2382695	-3.452552
RFC5	0.21544	9.1268567	2.9360416	0.0078932	0.1697415	-2.677032
USP46	0.215165	7.6626975	2.3683779	0.0275383	0.2710688	-3.806388
QSOX2	0.214875	7.4722425	2.1315241	0.0450232	0.31727	-4.238346
NDUFS2	0.21463	11.382935	2.5156484	0.0200882	0.2429046	-3.524931
RBL2	0.214555	10.548723	2.1895844	0.039989	0.3071686	-4.135003
ASB1	0.21451	7.8418983	3.2073789	0.004231	0.1333987	-2.102303
PRKCH	0.2141333	7.9457	2.7667496	0.0115597	0.2041515	-3.025565
LGR4	0.2140533	7.7516933	2.7579744	0.0117884	0.2045923	-3.043389
USP37	0.2140033	9.4079783	2.4392617	0.0236797	0.2574113	-3.672062
C9orf78	0.21363	10.723195	3.1213987	0.0051626	0.1451069	-2.286321
CENPO	0.213525	8.3289125	2.3191881	0.0305494	0.2802904	-3.898294
TRAPPC3	0.213395	10.467868	2.5593246	0.0182704	0.2362258	-3.439748
LPCAT2	0.21333	8.84394	2.127751	0.0453694	0.3181011	-4.245001
CPSF2	0.2132167	8.179835	2.5397188	0.0190665	0.2404439	-3.478078
ZDHHC3	0.2130575	9.0902613	2.6455713	0.0151252	0.2200571	-3.269398
AFF4	0.2128125	6.5396675	2.1133706	0.0467111	0.3225145	-4.270299
TMEM51	0.21239	8.840205	2.141701	0.0441013	0.3152181	-4.220357
ZBTB11	0.212255	7.6987775	3.1661531	0.0046553	0.1389309	-2.190738
RB1CC1	0.212075	10.470413	2.2505003	0.0352623	0.2933036	-4.024755
TFAP4	0.21192	6.17503	2.4685889	0.0222354	0.2509984	-3.615858
RHOT1	0.2117667	8.4017633	2.1884448	0.0400827	0.3074107	-4.137048
UTP18	0.211725	7.9630075	2.3367423	0.0294416	0.277363	-3.865622
RAB2B	0.21118	10.08538	2.1611968	0.0423828	0.3123443	-4.185746
ING5	0.2109725	6.1290263	2.7921905	0.0109202	0.1989744	-2.97375
EIF5B	0.2107117	9.1548792	2.7306683	0.012528	0.2091864	-3.09869
STX16	0.2105275	7.7028488	2.2630109	0.0343571	0.2911038	-4.001889
ARPC4	0.210265	10.484558	2.3191061	0.0305546	0.2802904	-3.898446
CYBA	0.21023	6.22982	2.6917831	0.0136575	0.2139002	-3.177007
CHRN1	0.21006	7.52303	2.3758297	0.0271069	0.2695147	-3.79237
ANKZF1	0.20939	9.779145	2.1853583	0.0403374	0.3084394	-4.142583
RNF114	0.2090167	9.8693983	3.689701	0.0013613	0.0743768	-1.045552
NRF1	0.208884	6.950126	2.4988699	0.0208305	0.2450171	-3.557453

MRFAP1	0.20883	13.198855	3.845283	0.0009401	0.0610697	-0.698395
NSUN5	0.208745	9.5306975	2.2935433	0.0322367	0.2856213	-3.945769
SENP5	0.2083033	7.6641817	2.3816152	0.0267762	0.2684446	-3.78147
ISY1	0.20825	8.1545575	3.689143	0.0013631	0.0743768	-1.046793
8-Sep	0.2082267	9.7452867	3.1901931	0.0044032	0.134635	-2.139213
HIATL2	0.20807	6.057355	2.1965686	0.0394192	0.3059573	-4.122456
PPP4R2	0.2080567	8.5663283	3.2940327	0.0034582	0.1236041	-1.915281
POT1	0.207865	8.1857925	2.6862608	0.0138255	0.2144789	-3.188088
BTBD10	0.20785	11.088835	2.5802307	0.017456	0.233149	-3.398712
TBC1D10A	0.20779	6.73023	2.2663252	0.0341209	0.2903793	-3.995818
USP3	0.207785	10.240918	2.7412527	0.0122362	0.2078785	-3.077284
MIS18BP1	0.2074367	6.6091683	3.4633778	0.002325	0.099766	-1.545846
PAWR	0.2073529	8.6670921	2.2541247	0.0349978	0.2927743	-4.018138
SRPK2	0.2073367	8.5987433	2.616585	0.0161204	0.2265224	-3.326959
MTFR1	0.20728	7.00138	2.91079	0.0083588	0.1741234	-2.729558
VTA1	0.2071775	8.8851788	2.6947666	0.0135675	0.2139002	-3.171017
LDOC1L	0.20708	10.71895	2.1671334	0.0418717	0.310758	-4.175168
MOB2	0.20659	9.772305	2.6674585	0.0144124	0.2173935	-3.225733
RPAIN	0.2061914	7.4688214	2.3486855	0.0287093	0.2740663	-3.843313
NUP50	0.2054317	7.7813442	2.2486956	0.0353947	0.2933725	-4.028047
PDCD10	0.20508	11.20167	2.8276227	0.0100854	0.1891545	-2.901244
RNF34	0.20498	7.4959367	2.1762173	0.0411005	0.309304	-4.158948
PIK3C3	0.2049257	6.34717	3.5084235	0.0020908	0.0948592	-1.446807
CHD1L	0.2048625	8.0968588	2.3658323	0.0276872	0.2710688	-3.811171
SPTY2D1	0.20482	8.82722	2.4061731	0.0254138	0.2623703	-3.735037
DR1	0.2044125	8.300805	2.4180779	0.0247768	0.2603229	-3.712434
ZNF746	0.204335	6.9547025	2.1387517	0.0443667	0.315495	-4.225576
TM9SF3	0.203892	9.302132	2.62421	0.0158528	0.2244845	-3.311847
COPA	0.20359	6.5143025	2.1363452	0.0445844	0.3157789	-4.229831
PHF23	0.203465	7.1999775	2.1063	0.0473838	0.3228596	-4.282698
SDE2	0.203295	7.1894175	3.0310048	0.0063554	0.1598608	-2.477949
RBM33	0.2031257	6.7951443	2.4999073	0.0207839	0.2450171	-3.555446
CHMP7	0.20291	9.399705	2.7064299	0.0132212	0.2125172	-3.147568
PLEKHA1	0.202695	10.507793	2.161742	0.0423356	0.3123443	-4.184776
ZC3H18	0.202485	7.3414375	3.8631236	0.000901	0.0596406	-0.658457
HNRNPD	0.2023975	9.7895563	2.7954494	0.0108407	0.1984102	-2.967098
OTUD4	0.20215	7.288875	2.3342386	0.0295973	0.2778076	-3.870291
BAZ1A	0.20166	10.393825	2.3405867	0.029204	0.2762705	-3.858448
EIF3J	0.201575	10.516388	2.8123646	0.0104371	0.193271	-2.932515
MTMR7	0.20113	4.046285	2.2492548	0.0353536	0.2933725	-4.027027
KDM4B	0.2002029	7.66268	2.4974372	0.0208951	0.2450171	-3.560225
PPP2R5C	0.2000417	8.5244375	2.2285669	0.036902	0.2985469	-4.064661
RAB22A	0.20003	10.621705	2.8283765	0.0100683	0.1890074	-2.899697
MTX2	0.19993	10.093345	2.7122129	0.0130525	0.2116333	-3.135925
FAM134C	0.19975	11.880955	2.2403051	0.036016	0.2953057	-4.043334
LINC00869	0.199735	5.0181025	2.5154946	0.0200949	0.2429046	-3.525229
C6orf226	0.19969	7.972965	2.1464028	0.0436812	0.3139876	-4.212028
PRPF40A	0.1993467	9.1116767	3.0278122	0.006402	0.1603405	-2.48468
ZNRF2	0.199145	7.9272925	3.3488565	0.0030422	0.1153179	-1.796217
SNRPC	0.19878	9.56418	2.4018134	0.0256509	0.2638859	-3.743299
TIA1	0.1980614	7.8685136	2.6055799	0.0165142	0.2283203	-3.348732
JMJD1C	0.1979533	7.784905	2.1989634	0.0392255	0.3055287	-4.118148
POLR2B	0.19795	9.6159883	3.2846973	0.0035343	0.1255119	-1.9355
BLOC1S3	0.19791	7.62675	2.2621936	0.0344156	0.2911171	-4.003385
RPS6KA3	0.19761	9.24533	3.150229	0.00483	0.1395866	-2.224799
ELP2	0.197348	8.5591	3.2795588	0.003577	0.1257589	-1.946622
SNRPG	0.1969	10.43711	2.6004266	0.0167017	0.2292089	-3.358912
ERGIC1	0.1964025	7.7099488	2.619897	0.0160037	0.2255872	-3.320397
EIF4EBP2	0.19625	9.031981	2.2934295	0.0322444	0.2856213	-3.945979

PSMB1	0.1960733	10.25204	2.762925	0.0116588	0.2041515	-3.033337
HSPB1	0.19604	11.2565	2.8620884	0.0093321	0.181687	-2.830344
CLTB	0.1959375	11.652926	2.2343066	0.0364663	0.2972804	-4.054241
PRPF4B	0.1957533	9.0363933	2.4170825	0.0248295	0.260544	-3.714326
DPY19L1	0.1954075	5.1334013	2.9409165	0.0078062	0.1692469	-2.666872
DPP9	0.19498	6.6925467	2.5195707	0.0199183	0.2422281	-3.517312
ING1	0.1947975	7.5437213	2.3721247	0.0273206	0.2703262	-3.799343
KIAA1147	0.1946833	8.3355817	2.3380599	0.02936	0.2768902	-3.863164
POLDIP2	0.194585	10.104133	3.4025474	0.0026824	0.1072026	-1.679102
YY1	0.1945783	9.9729392	2.2955647	0.0321007	0.2854238	-3.942038
SNRNP48	0.19425	8.790085	2.1539661	0.043013	0.3126357	-4.198606
CSE1L	0.194135	9.7393325	2.632312	0.015573	0.2229917	-3.295766
DEK	0.19369	12.318555	2.1530386	0.0430944	0.3126357	-4.200253
C12orf65	0.1936333	6.43566	2.1094823	0.0470799	0.3226287	-4.277121
TCEAL8	0.19359	10.795825	2.3029553	0.0316077	0.2845392	-3.928381
FBXO18	0.193505	6.5849075	3.4899346	0.002184	0.0966173	-1.487493
CDYL	0.19341	9.3295717	2.5323813	0.0193727	0.2407665	-3.492385
ERCC5	0.19324	11.46087	2.3595135	0.0280599	0.2722198	-3.823031
SRRT	0.19298	8.104842	2.8014721	0.0106953	0.1962763	-2.954795
SELK	0.19232	11.21218	2.5628994	0.0181287	0.2352244	-3.432743
HARS2	0.19228	9.56932	2.3909316	0.0262516	0.2665809	-3.763886
PCGF5	0.19227	8.305505	2.250363	0.0352724	0.2933036	-4.025006
EML5	0.192205	5.1012775	2.2311898	0.0367023	0.2978989	-4.059902
ACTR1A	0.192095	10.752698	3.0364603	0.0062764	0.1594116	-2.46644
SFN	0.19205	13.159158	2.9166287	0.0082488	0.173805	-2.717429
KDM4A	0.19147	8.323975	2.5161823	0.020065	0.2429046	-3.523894
ZFP91	0.19124	10.215765	2.6843795	0.0138832	0.2148242	-3.19186
UFL1	0.1909167	7.8360183	2.4116911	0.0251167	0.26128	-3.724568
UBR5	0.1908433	10.165515	2.287754	0.0326293	0.2860494	-3.956444
TYSND1	0.1904925	8.5171238	2.1488331	0.0434655	0.3134968	-4.207718
DIS3	0.190248	8.216072	2.684903	0.0138671	0.2147987	-3.19081
BECN1	0.1902233	7.737675	2.7731386	0.0113958	0.2027487	-3.012572
USP38	0.1898633	8.613595	2.1236388	0.0457495	0.3187845	-4.252247
FEM1B	0.18963	9.6638217	2.6374144	0.0153992	0.2216315	-3.285627
MRPL22	0.18948	10.58738	2.5448763	0.018854	0.2400682	-3.468009
KBTBD4	0.18937	7.618245	2.3681149	0.0275537	0.2710688	-3.806882
ARPC2	0.1893233	12.678475	2.923914	0.0081136	0.1731179	-2.702281
RABGGTB	0.18925	10.594395	2.3197259	0.0305149	0.2802904	-3.897295
SYF2	0.18914	6.9988	2.1939797	0.0396295	0.3064941	-4.127109
ATXN2L	0.18899	6.961365	2.1051198	0.0474969	0.3232064	-4.284765
TMEM259	0.188975	6.8068042	2.7747462	0.0113549	0.2025669	-3.009301
CLIC1	0.18894	13.20726	3.0301901	0.0063672	0.1598608	-2.479667
CDC42BPG	0.188865	6.2978175	2.2039634	0.038824	0.3045404	-4.109145
SF3B2	0.18866	8.34135	2.6894916	0.013727	0.2139002	-3.181606
PIGH	0.18836	8.69622	2.1764694	0.0410792	0.309304	-4.158497
TM9SF1	0.188095	7.8946875	2.2469059	0.0355264	0.2935947	-4.031311
HSPA14	0.1880333	8.6660667	2.3520604	0.0285054	0.2734539	-3.836997
MAS1L	0.18784	5.0827	2.4290907	0.0242007	0.2592064	-3.69147
KDM1A	0.18775	10.435075	2.5330518	0.0193445	0.2407665	-3.491078
LSM4	0.1876867	10.507357	2.571378	0.0177966	0.2339248	-3.416109
NDST1	0.1876233	8.189705	2.2701665	0.033849	0.2895564	-3.988776
ZFP36L2	0.1875325	9.0172738	2.3147741	0.0308339	0.2815364	-3.906487
YTHDF2	0.187485	10.915138	2.3293249	0.0299051	0.2785146	-3.879445
CLIP4	0.18704	10.53302	2.1314441	0.0450306	0.31727	-4.238487
CYLD	0.1867	7.8131771	2.1822047	0.0405992	0.3085815	-4.148233
EWSR1	0.18571	7.88809	2.2487182	0.035393	0.2933725	-4.028006
RAB28	0.1856433	8.6420283	2.8608817	0.0093575	0.1818709	-2.832832
SLC30A4	0.18557	5.352805	2.2718561	0.0337301	0.2893549	-3.985676
WSB2	0.1855	11.07134	2.3656077	0.0277004	0.2710688	-3.811593

PSME1	0.18547	12.266385	2.0834132	0.0496215	0.3309449	-4.322649
UBE2W	0.185195	6.8494625	2.8944301	0.0086743	0.1765562	-2.763491
HNRNPUL2	0.185005	10.327903	2.5032604	0.0206338	0.2446173	-3.548954
PRKAR2A	0.18493	9.672157	2.3013723	0.0317127	0.2847328	-3.931308
ACTR6	0.184655	7.1352525	3.3259444	0.0032098	0.1191985	-1.846043
ZXDC	0.18428	7.50256	2.3064736	0.0313755	0.2843251	-3.92187
TACO1	0.18411	8.22581	2.4150941	0.024935	0.260714	-3.718105
SUGT1	0.183884	8.976146	2.3318055	0.0297494	0.2779596	-3.874825
BTBD1	0.18373	11.937815	2.6302036	0.0156454	0.2237147	-3.299953
SWSAP1	0.18367	6.958845	2.1848931	0.0403759	0.3085029	-4.143417
C21orf2	0.182945	7.324265	2.1234541	0.0457666	0.3187845	-4.252572
STX12	0.18218	11.274595	3.0318273	0.0063434	0.1598608	-2.476214
SEL1L	0.1820675	8.0483938	2.1906565	0.039901	0.3071686	-4.133078
SLC35A1	0.18133	9.781075	2.3634771	0.0278256	0.2713197	-3.815594
RSRC2	0.18125	10.061045	2.4594489	0.0226765	0.2529674	-3.633413
C17orf85	0.18095	8.901043	2.4699539	0.0221702	0.2506333	-3.613234
UCHL5	0.1807325	6.8791038	2.2889998	0.0325445	0.2860494	-3.954148
GAB1	0.1803529	6.7544236	2.5277573	0.019568	0.2414203	-3.50139
MFSD11	0.18009	9.13242	2.7863218	0.0110646	0.1998272	-2.985721
RCHY1	0.17998	8.33756	2.5322195	0.0193795	0.2407665	-3.4927
FAU	0.17957	13.604855	2.1539282	0.0430163	0.3126357	-4.198673
MRE11A	0.1788133	5.4794133	2.1322999	0.0449523	0.316959	-4.236976
RIOK3	0.178602	8.290421	2.4334888	0.0239741	0.2583393	-3.683083
SYNCRIP	0.17849	9.6360393	2.7433229	0.0121799	0.2078785	-3.073092
FAM8A1	0.17842	10.68912	2.2870153	0.0326797	0.2860838	-3.957805
TAPT1	0.1784017	6.0588458	3.2376229	0.0039439	0.1293278	-2.037198
ZNF3	0.1779975	7.3346088	2.5990422	0.0167524	0.2297081	-3.361645
OSBPL10	0.177752	6.19254	2.3045122	0.0315048	0.2844828	-3.9255
MRPL20	0.1777233	8.1019783	2.2335241	0.0365254	0.2976123	-4.055662
C16orf72	0.1776333	9.6566833	2.4960936	0.0209558	0.2454477	-3.562824
NIPA1	0.17756	7.746215	2.1088815	0.0471372	0.3226731	-4.278174
AGBL3	0.17741	4.3693183	2.1413385	0.0441339	0.3152181	-4.220999
CMTM1	0.17737	5.07089	2.622524	0.0159116	0.2248505	-3.31519
CREBZF	0.1772467	8.2329383	2.9820408	0.0071082	0.1654708	-2.580898
BAD	0.17699	6.9909783	2.4164801	0.0248614	0.2606237	-3.715471
MALSU1	0.1769567	9.112555	2.287804	0.0326259	0.2860494	-3.956352
SNF8	0.17662	10.54479	2.137546	0.0444756	0.315495	-4.227708
UBR3	0.176565	8.6445275	2.4606944	0.0226159	0.2529674	-3.631023
MCM9	0.1765567	7.6675817	2.5779713	0.0175423	0.2333087	-3.403155
PPM1B	0.17645	10.59301	2.3581037	0.0281436	0.2722198	-3.825675
RAP2A	0.17644	7.629324	2.3364666	0.0294587	0.277363	-3.866136
CCNY	0.17601	9.409113	2.6625935	0.014568	0.2178191	-3.235454
EPC1	0.1752575	8.5337088	2.2264692	0.0370624	0.2994251	-4.068466
SNRNP70	0.174875	8.1817325	2.6453815	0.0151315	0.2200571	-3.269776
ARID4A	0.17453	8.94046	2.1588525	0.0425862	0.3124414	-4.189918
LYPD3	0.17439	12.945325	2.2286418	0.0368963	0.2985469	-4.064525
LRRC16A	0.1733325	7.4001738	2.4265918	0.0243303	0.2595799	-3.696231
TRMT1	0.1726367	7.6730183	2.9129109	0.0083187	0.1738676	-2.725153
STX6	0.17261	7.852117	2.2196049	0.0375918	0.3020038	-4.080899
SNHG19	0.17251	11.198375	2.1021057	0.0477869	0.3245898	-4.29004
MORC2	0.1722533	7.49207	2.3749016	0.0271603	0.2697057	-3.794117
VMA21	0.17214	6.5205633	2.5496142	0.0186607	0.2386471	-3.458751
SF3B6	0.1719	7.768345	3.0645971	0.005884	0.1551514	-2.406967
WDR60	0.1717567	6.2396717	2.6259427	0.0157926	0.2244189	-3.30841
MRPL45	0.17163	10.191985	2.3685465	0.0275285	0.2710688	-3.806071
DHX15	0.1715	10.96399	2.2686037	0.0339594	0.2898946	-3.991642
ZCCHC10	0.17147	8.8310017	2.5866442	0.0172131	0.2320884	-3.386089
TIMM21	0.1713	10.02088	3.2313747	0.0040016	0.1295845	-2.050664
FASTK	0.1711267	8.56709	2.1942395	0.0396084	0.3064941	-4.126643

KLF16	0.170115	8.2696725	2.1531044	0.0430886	0.3126357	-4.200136
TBL2	0.16959	6.953295	2.1670461	0.0418792	0.310758	-4.175324
UBA3	0.1695	11.537	2.8296375	0.0100398	0.1889228	-2.897109
ZNHIT1	0.16931	11.220615	2.2317457	0.0366601	0.2977926	-4.058892
TAF4	0.169085	7.7092175	2.3732462	0.0272558	0.2700969	-3.797233
MRPL35	0.1684567	9.1090783	2.2528973	0.0350872	0.2931667	-4.02038
CARS	0.1671625	7.4973488	2.4237806	0.0244769	0.2597751	-3.701584
NEDD1	0.16699	8.578665	2.1738589	0.0412994	0.3097383	-4.163163
EML2	0.16675	7.56332	2.4289948	0.0242057	0.2592064	-3.691652
SERBP1	0.1665171	10.717666	2.6467574	0.0150857	0.2200571	-3.267036
VPS36	0.16611	7.899225	2.4820021	0.0216025	0.248053	-3.590034
SEC22C	0.1660233	6.4736683	2.2163455	0.0378456	0.3030906	-4.086795
ARL8A	0.16591	9.260905	2.204458	0.0387844	0.3045308	-4.108253
PFDN4	0.16566	7.8466867	2.5965055	0.0168457	0.2301873	-3.366651
AK6	0.16535	10.536965	2.2324217	0.0366089	0.2976126	-4.057665
NTMT1	0.1651967	7.002285	2.4164587	0.0248626	0.2606237	-3.715512
ATL3	0.16514	8.57338	2.5478276	0.0187334	0.2391278	-3.462243
C1orf131	0.16489	8.716135	2.1926643	0.0397368	0.3067127	-4.129473
TIMM17A	0.16469	7.2573	2.3191763	0.0305501	0.2802904	-3.898316
ELF2	0.1624467	8.2416733	2.1175364	0.0463188	0.320736	-4.262982
DDA1	0.1624433	7.9987383	2.5631887	0.0181172	0.2352244	-3.432176
SUZ12	0.1623833	6.4146117	2.0844761	0.0495155	0.3307823	-4.3208
PRCP	0.162295	6.90114	2.1519186	0.043193	0.3126357	-4.202242
DRAP1	0.16215	10.785325	2.2343529	0.0364628	0.2972804	-4.054157
IRAK1	0.16036	8.48314	2.4465923	0.0233107	0.2557028	-3.658047
LPAR6	0.160345	6.9223775	2.4614864	0.0225774	0.2529674	-3.629503
ISCA2	0.1603	8.24251	2.4291227	0.024199	0.2592064	-3.691409
SMC6	0.15974	9.23235	2.1385637	0.0443837	0.315495	-4.225908
COA1	0.1596975	6.6553963	2.1508611	0.0432862	0.3128667	-4.204119
ZBTB7A	0.1591183	8.1574658	2.4577515	0.0227593	0.2530253	-3.636669
ASNSD1	0.15901	10.715765	2.2520807	0.0351468	0.2932771	-4.021871
POLR3A	0.15824	6.26726	2.2550675	0.0349294	0.2925804	-4.016416
KPNA1	0.1571733	8.9817383	2.2664259	0.0341138	0.2903793	-3.995634
MKS1	0.157095	6.2214225	2.5261256	0.0196373	0.2415077	-3.504565
RGS12	0.157049	5.9437115	2.9548326	0.0075629	0.1682098	-2.63783
RANBP2	0.1567675	9.3377338	2.389291	0.0263433	0.2671144	-3.766985
RNF11	0.15652	11.25582	2.1642435	0.0421198	0.311667	-4.18032
MANF	0.15634	11.42306	2.2082637	0.0384816	0.3038602	-4.101391
LAMP1	0.1562025	11.354441	2.9398786	0.0078246	0.1692469	-2.669035
HMGN3	0.15498	12.0813	2.857074	0.0094382	0.18288	-2.840681
ERBB3	0.154334	7.071085	2.4118722	0.025107	0.26128	-3.724224
ZZZ3	0.15343	8.98252	2.1900158	0.0399536	0.3071686	-4.134228
XPOT	0.15332	9.60661	2.1607619	0.0424205	0.3123443	-4.186521
ATP5SL	0.15315	8.370555	2.0922187	0.0487495	0.3276002	-4.307311
EEF1D	0.15253	12.923383	2.2594132	0.0346152	0.2914802	-4.008472
KAT2B	0.15236	9.88291	2.332152	0.0297277	0.2779167	-3.874179
CCDC25	0.15231	10.7523	2.4090613	0.0252579	0.2617224	-3.729559
TBC1D23	0.15209	11.343105	2.9576448	0.0075147	0.1678662	-2.631955
HNRNPR	0.1520433	10.286488	2.4882043	0.0213156	0.2467734	-3.578067
AGFG2	0.1519533	6.2964617	2.3451406	0.0289249	0.2749568	-3.849941
TM2D2	0.15102	11.11569	2.1105183	0.0469814	0.3226287	-4.275304
NSMAF	0.149284	7.444858	2.2051591	0.0387285	0.3044316	-4.10699
ANP32B	0.14906	12.57547	2.909381	0.0083855	0.1741234	-2.732483
FBXO3	0.1487083	6.9809675	2.1763219	0.0410917	0.309304	-4.158761
FAM53C	0.14846	9.28628	2.365657	0.0276975	0.2710688	-3.8115
FAM192A	0.14772	9.833835	2.7630832	0.0116547	0.2041515	-3.033015
AKT2	0.1452817	6.7852792	2.1549742	0.0429246	0.3126357	-4.196814
WDR82	0.145	11.43401	2.3703645	0.0274227	0.2708125	-3.802653
PHF20L1	0.14476	7.46199	2.3670876	0.0276137	0.2710688	-3.808813

GLRX3	0.1447325	8.2722813	2.8092902	0.0105094	0.1942578	-2.938807
WBSCR16	0.14459	6.285335	2.1364763	0.0445725	0.3157789	-4.229599
MZT1	0.143975	8.6300775	2.1661245	0.0419582	0.3110076	-4.176967
CFL1	0.1417475	8.3657838	2.319317	0.0305411	0.2802904	-3.898055
RAD17	0.14145	9.011805	2.1792688	0.0408443	0.3088941	-4.153489
TRPM7	0.141424	7.710876	2.3354708	0.0295206	0.2775969	-3.867993
TFR2	0.1398767	5.609735	2.0990285	0.0480847	0.3254526	-4.295421
DGUOK	0.1364333	8.0510567	2.1573947	0.0427131	0.3124871	-4.192511
GTF2H1	0.13527	9.2451383	2.355833	0.0282791	0.2725606	-3.829931
TPI1	0.13524	10.382527	2.1096974	0.0470595	0.3226287	-4.276744
HMGB1	0.135182	12.454825	2.2128061	0.0381229	0.3036066	-4.093191
AGFG1	0.133684	7.878866	2.0863547	0.0493287	0.3303407	-4.31753
KRIT1	0.1327	8.0777425	2.0836932	0.0495936	0.3309088	-4.322162
TDG	0.13173	11.499665	2.0801457	0.0499486	0.3317262	-4.32833
NIFK	0.1306333	8.00793	2.240983	0.0359654	0.2953057	-4.0421
PGRMC2	0.130445	11.569828	2.1734561	0.0413335	0.3097383	-4.163883
PVR	0.1304257	6.2080386	2.4135427	0.0250177	0.2611798	-3.721052
SAP18	0.1282267	11.186047	2.2241401	0.0372413	0.3001305	-4.072687
ABHD16A	0.12585	7.47006	2.2071937	0.0385665	0.3038692	-4.103321
ADD1	0.1240975	8.6769088	2.1670676	0.0418773	0.310758	-4.175286
PSMA2	0.116605	11.099258	2.0798024	0.0499831	0.3317399	-4.328926
NDUFA10	0.11273	6.064855	2.1200061	0.0460876	0.3198471	-4.25864
CSDE1	0.1117167	12.397755	2.3076268	0.0312998	0.2838899	-3.919735
SLC23A2	-0.116377	5.5290313	-2.161422	0.0423633	0.3123443	-4.185344
SLC12A4	-0.117774	5.789371	-2.366786	0.0276314	0.2710688	-3.80938
RNF169	-0.12173	9.698365	-2.2063	0.0386376	0.3041947	-4.104932
NCOR2	-0.12416	7.473666	-2.129279	0.0452289	0.3178138	-4.242306
DECR1	-0.12704	11.60489	-2.102829	0.0477171	0.3244892	-4.288774
BBS1	-0.128147	6.92104	-2.303707	0.031558	0.2844828	-3.92699
SETD2	-0.128753	10.024943	-2.16679	0.0419012	0.310758	-4.175781
LINC00982	-0.130855	4.8349475	-2.243607	0.0357703	0.2944215	-4.037322
OR1J2	-0.131245	4.5413625	-2.085366	0.0494269	0.3305142	-4.319251
HIPK4	-0.13537	6.085965	-2.507612	0.0204406	0.2439197	-3.540521
GCNT7	-0.13622	4.1285	-2.11991	0.0460966	0.3198471	-4.258809
HAP1	-0.13676	4.8792867	-2.832296	0.00998	0.1889228	-2.891651
CAMK2A	-0.13681	5.336695	-2.147755	0.0435611	0.3136335	-4.20963
ATP6AP1	-0.13731	10.539385	-2.135788	0.0446349	0.315809	-4.230816
OTX2	-0.138655	2.5823875	-2.579519	0.0174831	0.2332073	-3.400111
PTGER4P2-CDK2	-0.13884	4.36549	-2.38686	0.0264797	0.2672716	-3.771575
SMIM11	-0.139333	8.0064533	-2.149994	0.0433628	0.3129932	-4.205659
ATP8B1	-0.13936	8.870985	-2.330514	0.0298304	0.278335	-3.87723
PACSIN1	-0.139615	5.8052325	-2.109141	0.0471124	0.3226287	-4.277719
TARSL2	-0.139775	8.3737175	-2.213207	0.0380914	0.3036066	-4.092467
FSCB	-0.14028	3.38866	-2.212115	0.0381773	0.3036066	-4.09444
C21orf90	-0.14199	4.98408	-2.325066	0.0301742	0.2792373	-3.887369
NUDCD3	-0.14269	7.410365	-2.180229	0.040764	0.3088164	-4.151772
CYP4A11	-0.143455	4.2972125	-2.214113	0.0380203	0.3036066	-4.09083
LINC00408	-0.14357	3.217385	-2.153862	0.0430221	0.3126357	-4.19879
MUC3B	-0.14385	5.73899	-2.080833	0.0498796	0.3315908	-4.327134
SUCLA2	-0.14593	11.242935	-2.615606	0.0161551	0.2265224	-3.328898
GUCA1C	-0.146753	2.52716	-2.29135	0.0323849	0.2857527	-3.949814
ANKRD53	-0.14858	4.97598	-2.216885	0.0378035	0.3029589	-4.08582
LINC00671	-0.149555	4.1622075	-2.255629	0.0348886	0.2925783	-4.01539
PABPC3	-0.1506	12.44242	-2.116773	0.0463904	0.3211233	-4.264323
LOC100131763	-0.15112	4.56465	-2.161451	0.0423608	0.3123443	-4.185293
CASC15	-0.151233	4.4606188	-2.160356	0.0424557	0.3123443	-4.187244
GHRH	-0.15124	5.38381	-2.200142	0.0391305	0.3053096	-4.116027
CDC42EP4	-0.15127	9.2605583	-2.120889	0.0460052	0.3196465	-4.257086
DKFZP434L187	-0.15208	4.670305	-2.153022	0.0430959	0.3126357	-4.200282

SMAP2	-0.15215	9.730705	-2.193746	0.0396486	0.3064941	-4.12753
IGDCC3	-0.15233	4.48791	-2.138751	0.0443668	0.315495	-4.225576
BMPR1A	-0.15235	8.552001	-2.263237	0.034341	0.2910874	-4.001475
PCDP1	-0.152355	4.2306575	-2.367157	0.0276097	0.2710688	-3.808683
MIR146A	-0.15244	5.43545	-2.115687	0.0464926	0.3215043	-4.266232
SMIM21	-0.152935	3.4098025	-2.300393	0.0317779	0.2849425	-3.933119
MYLPF	-0.15377	5.585495	-2.157037	0.0427444	0.3124871	-4.193148
HTR5A	-0.15398	4.78699	-2.189812	0.0399703	0.3071686	-4.134594
SIPA1L3	-0.154125	7.024995	-2.130863	0.0450838	0.317448	-4.239513
ERN2	-0.154545	6.5555575	-2.190296	0.0399306	0.3071686	-4.133725
KCNK16	-0.15474	5.58128	-2.101178	0.0478765	0.3245898	-4.291662
MYOZ3	-0.154846	5.641819	-2.120018	0.0460865	0.3198471	-4.258618
LOC100507419	-0.15511	2.856815	-2.156585	0.0427838	0.3124871	-4.193951
AGXT	-0.155737	4.1887817	-2.247988	0.0354466	0.2935801	-4.029337
TCL6	-0.155965	3.9913075	-2.387157	0.026463	0.2672716	-3.771016
LOC147004	-0.15613	3.416185	-2.094121	0.048563	0.3268738	-4.303993
ARID1B	-0.156599	8.135025	-2.261065	0.0344965	0.2911994	-4.00545
SHISA7	-0.15683	5.711085	-2.425087	0.0244087	0.2595886	-3.699098
SSMEM1	-0.15743	2.98821	-2.203843	0.0388336	0.3045404	-4.109362
TMEM198	-0.15757	5.587025	-2.138691	0.0443722	0.315495	-4.225683
LOC154872	-0.15778	3.19415	-2.217939	0.0377213	0.3027711	-4.083913
CD79B	-0.15835	6.0268617	-2.225202	0.0371597	0.2998269	-4.070763
SLC39A14	-0.158403	6.4911817	-2.285192	0.0328044	0.2861319	-3.961163
MYO1H	-0.15842	4.25558	-2.336307	0.0294686	0.277363	-3.866433
IQCA1	-0.158624	3.855684	-2.394297	0.0260645	0.2656033	-3.757525
TRPM2-AS	-0.15907	5.612095	-2.369008	0.0275016	0.2710688	-3.805203
SERPINA10	-0.15938	4.47009	-2.174754	0.0412238	0.3097383	-4.161564
LOC102723742	-0.1594	2.43938	-2.183539	0.0404882	0.3085029	-4.145842
UBR4	-0.160342	6.096179	-2.17123	0.0415223	0.3103101	-4.167859
HAGHL	-0.16063	6.161995	-2.389985	0.0263045	0.2669855	-3.765675
UNC13A	-0.160975	4.0714475	-2.523174	0.0197634	0.2420324	-3.510306
LINC00208	-0.1611	3.33457	-2.091465	0.0488237	0.3276582	-4.308626
SYT5	-0.161175	5.2118975	-2.173156	0.0413589	0.3097383	-4.164419
ATP9B	-0.161463	5.5026783	-3.05239	0.0060512	0.1569329	-2.432793
LOC101929757	-0.16187	2.530445	-2.110088	0.0470223	0.3226287	-4.27606
ATP5F1	-0.162225	9.8641775	-2.358817	0.0281012	0.2722198	-3.824337
APOA4	-0.16245	6.075415	-2.201088	0.0390544	0.3053096	-4.114323
SLC25A3	-0.16272	10.29648	-2.305016	0.0314715	0.2844828	-3.924568
TEAD2	-0.16285	6.37413	-2.363103	0.0278476	0.2713197	-3.816295
IFNA5	-0.1633	2.3671	-2.17455	0.041241	0.3097383	-4.161928
MIR7-3HG	-0.16352	4.31376	-2.157406	0.0427122	0.3124871	-4.192492
H1FOO	-0.16376	6.72905	-2.412381	0.0250798	0.26128	-3.723258
GFAP	-0.163915	3.5453575	-2.291091	0.0324025	0.2857825	-3.950293
LINC00421	-0.16395	4.834975	-2.138153	0.0444208	0.315495	-4.226635
CAMTA1	-0.165648	8.1649525	-2.944339	0.0077457	0.1692469	-2.659733
WNT6	-0.16588	5.3073575	-2.605097	0.0165317	0.2283972	-3.349685
ZSCAN23	-0.166155	3.4307325	-2.395972	0.0259718	0.2654518	-3.754357
BOC	-0.166177	9.0413717	-2.15176	0.0432069	0.3126357	-4.202523
GPR132	-0.1664	5.26736	-2.490148	0.0212264	0.2463611	-3.574313
SSTR3	-0.166495	5.9794175	-2.519595	0.0199172	0.2422281	-3.517264
RWDD2B	-0.16673	10.946445	-2.741116	0.01224	0.2078785	-3.07756
ADARB2	-0.16697	4.139855	-2.167059	0.041878	0.310758	-4.1753
IGFN1	-0.16789	5.243305	-2.162089	0.0423057	0.3123443	-4.184158
SFTA2	-0.16815	4.427175	-2.357365	0.0281877	0.272321	-3.82706
ECHS1	-0.16822	11.34353	-2.355992	0.0282696	0.2725606	-3.829633
LOC285847	-0.169117	4.5259017	-2.556791	0.0183715	0.2368731	-3.444709
VPS9D1-AS1	-0.16929	6.263795	-2.520917	0.0198603	0.2422281	-3.514694
TCL1B	-0.16995	4.920135	-2.141341	0.0441336	0.3152181	-4.220993
LPAL2	-0.170265	4.3274575	-2.316782	0.0307042	0.281047	-3.902762

TMEM178B	-0.170417	5.3358083	-2.245649	0.0356191	0.2941236	-4.033601
LOC100506282	-0.17075	5.511745	-2.182225	0.0405975	0.3085815	-4.148197
LOC101929034	-0.17083	4.550225	-2.241034	0.0359616	0.2953057	-4.042007
GSX2	-0.17102	4.31648	-2.126929	0.0454452	0.3182406	-4.24645
CA10	-0.171345	2.8797925	-2.459215	0.0226878	0.2529674	-3.633861
GDF2	-0.17135	5.743015	-2.30326	0.0315876	0.2844828	-3.927817
ASIC4	-0.17135	4.832075	-2.193798	0.0396443	0.3064941	-4.127436
C1orf168	-0.17217	3.76433	-2.372218	0.0273152	0.2703262	-3.799167
LINC00527	-0.17273	4.86722	-2.699765	0.0134181	0.2133336	-3.160974
GRIN3B	-0.1729	5.60337	-2.332898	0.029681	0.2778797	-3.872789
C11orf95	-0.17294	7.225245	-2.167798	0.0418149	0.310758	-4.173984
TCF7	-0.173125	7.3714175	-2.627935	0.0157236	0.2242064	-3.304457
LINC00658	-0.17314	4.91037	-2.203628	0.0388508	0.3045404	-4.109749
TCEA2	-0.173227	6.9512667	-2.191296	0.0398487	0.3071686	-4.13193
LOC100507480	-0.1734	3.2874	-2.485121	0.0214578	0.2472716	-3.584019
ZDHHC4	-0.173415	7.3629875	-2.475271	0.021918	0.2495028	-3.603003
BMP8B	-0.173537	6.3536917	-2.362139	0.0279044	0.2713197	-3.818104
ST3GAL2	-0.173612	6.947206	-2.428742	0.0242187	0.2592064	-3.692134
TATDN1	-0.17362	11.04418	-2.624263	0.015851	0.2244845	-3.311742
GPR61	-0.17375	3.812125	-2.539768	0.0190644	0.2404439	-3.477982
BAHCC1	-0.173857	6.0095483	-2.278922	0.0332367	0.2877404	-3.972698
BAI3	-0.17395	2.79512	-2.287836	0.0326237	0.2860494	-3.956293
LINC00460	-0.17441	3.1381	-2.396044	0.0259678	0.2654518	-3.754221
LOC284395	-0.17456	4.28393	-3.187813	0.0044275	0.1347967	-2.144319
SHROOM1	-0.174777	4.7095583	-2.084972	0.0494661	0.3306682	-4.319936
LCNL1	-0.174845	5.5372525	-2.294523	0.0321707	0.2854238	-3.94396
PTP4A3	-0.175797	7.1075117	-2.422489	0.0245445	0.2599532	-3.704042
GPHB5	-0.17593	5.288705	-2.140978	0.0441663	0.3152181	-4.221637
KCNA4	-0.17617	3.867325	-2.199688	0.0391671	0.3053096	-4.116844
P2RX6	-0.176345	4.7171475	-2.46567	0.0223753	0.2517011	-3.621468
CELSR1	-0.176697	7.0012183	-2.251788	0.0351681	0.2932771	-4.022404
TUBB	-0.17674	12.287057	-2.503762	0.0206115	0.2446173	-3.547983
LOC284600	-0.17689	6.050675	-2.485832	0.0214249	0.2472716	-3.582647
CNN2	-0.17695	12.204925	-2.607365	0.0164497	0.2279634	-3.345203
IL18BP	-0.177087	6.7547633	-2.082049	0.0497578	0.331104	-4.325021
CDRT15	-0.17729	6.014705	-2.708399	0.0131635	0.2120879	-3.143604
PPIE	-0.17734	8.6607467	-2.583785	0.0173209	0.2325199	-3.391717
ALDH3B1	-0.177427	6.3738967	-2.123395	0.0457721	0.3187845	-4.252676
HKDC1	-0.177488	4.7770063	-2.423985	0.0244662	0.2597751	-3.701196
COX5B	-0.17783	12.077388	-2.805468	0.0105999	0.1954013	-2.946625
CYB5D2	-0.17822	8.28302	-2.208373	0.0384729	0.3038602	-4.101194
HGFAC	-0.17831	6.105095	-2.567184	0.0179601	0.2346371	-3.42434
CEBPE	-0.17859	5.479405	-2.419231	0.0247159	0.2601526	-3.710242
CACNG6	-0.178595	4.1207625	-2.142738	0.0440083	0.3149945	-4.21852
FCN2	-0.178763	4.7396017	-2.16774	0.0418198	0.310758	-4.174087
CDC16	-0.178827	10.443573	-2.173135	0.0413607	0.3097383	-4.164456
ATP4A	-0.17915	5.204365	-2.413636	0.0250127	0.2611798	-3.720874
SLC4A9	-0.179195	4.1910825	-2.09431	0.0485445	0.3268738	-4.303662
LOC100130370	-0.17938	6.694865	-2.188995	0.0400374	0.307294	-4.136061
LOC100287098	-0.1794	6.06897	-2.538524	0.019116	0.2404439	-3.48041
FRMPD4	-0.179535	3.9472525	-2.179008	0.0408661	0.3088941	-4.153955
PCDH15	-0.18003	2.057755	-2.564485	0.0180661	0.235113	-3.429633
LOC101927623	-0.1802	4.98377	-2.112107	0.0468306	0.3225795	-4.272517
CR2	-0.180205	3.1389075	-3.016671	0.0065674	0.1621019	-2.50815
DEFB119	-0.180515	3.3292375	-2.106971	0.0473196	0.3228596	-4.281523
PDZD11	-0.18069	10.122095	-2.537415	0.0191621	0.2404439	-3.482573
GDF11	-0.180732	5.789764	-2.309389	0.0311843	0.2830938	-3.916471
ZNF268	-0.181137	7.4545117	-2.20583	0.038675	0.3042551	-4.10578
TDRD3	-0.181337	9.152465	-2.535114	0.0192581	0.2407184	-3.487059

TPD52L3	-0.18144	4.07016	-2.421204	0.024612	0.2601021	-3.706489
CRHR1	-0.181493	5.1746967	-2.100869	0.0479064	0.3245898	-4.292204
SLC34A3	-0.18158	5.34655	-2.134528	0.0447493	0.3163998	-4.233042
KIR2DL2	-0.18166	3.41962	-2.111099	0.0469263	0.3226287	-4.274286
GRIN2B	-0.18168	3.28924	-2.346809	0.0288232	0.2745723	-3.846823
LOC100131303	-0.18186	5.05879	-2.328477	0.0299585	0.2785146	-3.881022
C20orf203	-0.1821	3.558665	-2.27967	0.0331848	0.2877404	-3.971323
AOC4P	-0.18217	6.029855	-2.18344	0.0404965	0.3085029	-4.146021
SPATA25	-0.18261	5.581995	-2.178123	0.0409403	0.3088941	-4.15554
IL3RA	-0.18287	6.926855	-2.168889	0.0417216	0.310758	-4.172037
LOC101929759	-0.18295	2.228945	-2.125156	0.045609	0.3186185	-4.249575
LRRC74	-0.18301	4.48284	-2.341492	0.0291483	0.2759988	-3.856758
ASB11	-0.18305	3.170785	-2.529939	0.0194756	0.2412514	-3.497143
LOC101929225	-0.18319	2.750925	-2.156602	0.0427823	0.3124871	-4.193921
OR51M1	-0.18343	2.731215	-2.142555	0.0440247	0.3149945	-4.218845
KIR3DL1	-0.18408	4.21543	-2.079887	0.0499746	0.3317399	-4.328779
LINC00929	-0.1841	4.53633	-2.150161	0.043348	0.3129932	-4.205362
BTBD17	-0.18435	5.234655	-2.209221	0.0384058	0.3038602	-4.099664
FAM181A	-0.18451	3.862285	-2.304786	0.0314867	0.2844828	-3.924994
SIK2	-0.184607	7.0063188	-2.499061	0.0208219	0.2450171	-3.557083
SHBG	-0.18502	4.54109	-2.208088	0.0384956	0.3038602	-4.101709
LOC100996506	-0.186155	5.7639625	-2.278215	0.0332858	0.2877404	-3.973999
SCMH1	-0.18645	8.459165	-2.158284	0.0426357	0.3124682	-4.19093
ATF7IP	-0.186452	8.6149838	-2.430921	0.0241062	0.2592064	-3.687981
TMEM135	-0.186645	5.2730525	-2.172422	0.0414211	0.309932	-4.16573
LOC102724312	-0.18665	6.65206	-2.204872	0.0387514	0.3044316	-4.107507
PRDM14	-0.18683	5.896225	-2.16178	0.0423323	0.3123443	-4.184707
LOC648691	-0.18683	2.707955	-2.363718	0.0278114	0.2713197	-3.815141
MEIS3	-0.18689	6.23008	-2.928102	0.0080368	0.1720179	-2.693567
PCBP1	-0.18707	11.539195	-3.311856	0.0033172	0.1209928	-1.876633
ASPDH	-0.18717	5.892805	-2.658294	0.0147069	0.2179193	-3.244037
YIPF3	-0.18751	10.045535	-2.63672	0.0154228	0.2216315	-3.287007
PHKA2	-0.18752	6.91494	-2.113486	0.0467002	0.3225145	-4.270098
NRXN2	-0.187595	5.3091775	-2.085789	0.0493848	0.3303407	-4.318514
GRM1	-0.188117	4.1371583	-2.291459	0.0323776	0.2857527	-3.949614
RIN3	-0.188204	6.343592	-2.612044	0.0162819	0.2275678	-3.335949
C20orf26	-0.188307	3.82475	-2.332648	0.0296967	0.2778797	-3.873255
TLE6	-0.188407	5.3633333	-2.200051	0.0391378	0.3053096	-4.11619
LOC100133461	-0.18847	5.491275	-2.207364	0.038553	0.3038692	-4.103013
ANPEP	-0.188717	6.1688617	-2.260106	0.0345654	0.2913855	-4.007205
MED26	-0.189075	7.4325775	-2.147189	0.0436113	0.3138849	-4.210634
HIATL1	-0.189255	7.6222525	-2.355249	0.028314	0.2726496	-3.831024
SLC27A1	-0.18931	8.831035	-2.129385	0.0452192	0.3178138	-4.24212
THRA	-0.189548	7.2469213	-2.177811	0.0409665	0.3089774	-4.156097
LOC101929459	-0.18957	3.501575	-2.105363	0.0474736	0.3231552	-4.284339
LRTM1	-0.189655	4.0501925	-2.303429	0.0315764	0.2844828	-3.927504
TJAP1	-0.189865	9.2710925	-2.589845	0.017093	0.2311681	-3.379785
ALKBH3	-0.1899	9.87265	-2.091878	0.048783	0.3276002	-4.307905
LOC642620	-0.19	3.99584	-2.824574	0.0101548	0.1895865	-2.907498
RTN2	-0.19016	7.91708	-2.212314	0.0381616	0.3036066	-4.09408
FAM127B	-0.19027	7.689735	-2.409142	0.0252535	0.2617224	-3.729405
TMEM151A	-0.19036	4.82796	-2.35465	0.0283499	0.2727291	-3.832147
ATP6	-0.190545	8.7019575	-2.588902	0.0171283	0.2314123	-3.381642
SLC35G3	-0.19059	2.952525	-2.395196	0.0260147	0.2654925	-3.755825
SAA3P	-0.19061	6.033905	-2.261095	0.0344944	0.2911994	-4.005395
RPS6KA2-AS1	-0.19061	5.458695	-2.361568	0.0279382	0.2713197	-3.819176
VAV2	-0.190717	6.0818517	-2.573877	0.0176998	0.233712	-3.411202
SLC39A5	-0.190795	5.7335775	-2.365796	0.0276893	0.2710688	-3.81124
ACTL10	-0.19102	6.4366	-2.288769	0.0325602	0.2860494	-3.954573

LINC00313	-0.19139	3.70486	-2.723025	0.0127428	0.21011	-3.114125
PCDHA5	-0.19151	5.397265	-2.189165	0.0400235	0.307294	-4.135756
TTBK1	-0.191845	3.8103775	-2.733359	0.0124532	0.2088473	-3.093251
QRICH1	-0.191885	11.214438	-2.942706	0.0077745	0.1692469	-2.66314
GIPC3	-0.192365	5.6305025	-2.284766	0.0328337	0.2862558	-3.961947
LOC101927346	-0.19247	2.486475	-2.462647	0.0225212	0.2529247	-3.627274
NR0B1	-0.19283	3.848055	-2.21333	0.0380818	0.3036066	-4.092246
JAG2	-0.193055	9.7726875	-2.178601	0.0409002	0.3088941	-4.154683
A1BG-AS1	-0.19306	7.02482	-2.157794	0.0426783	0.3124871	-4.191801
C11orf1	-0.194048	8.7401988	-2.57289	0.017738	0.233712	-3.41314
UNC5C	-0.19406	3.363426	-2.143134	0.0439729	0.3149945	-4.217819
DNM1P35	-0.19424	2.88262	-2.543594	0.0189066	0.2403211	-3.470514
MTNR1A	-0.19429	4.723095	-2.267167	0.0340611	0.290304	-3.994275
RPS8	-0.1945	4.10606	-2.35475	0.0283439	0.2727291	-3.83196
MESP1	-0.1945	5.4562667	-2.7536	0.011904	0.2055529	-3.052265
NFU1	-0.19481	10.035335	-2.243993	0.0357417	0.2944215	-4.036619
GBX2	-0.19489	4.399945	-2.180613	0.0407319	0.3087919	-4.151083
OPTC	-0.19492	3.95699	-2.487798	0.0213343	0.2467734	-3.578852
VPS18	-0.19503	6.12139	-2.591467	0.0170325	0.2308067	-3.376586
HMX1	-0.19513	5.809025	-2.316026	0.0307529	0.2811737	-3.904164
CD81-AS1	-0.19544	4.71671	-2.304661	0.031495	0.2844828	-3.925225
ITGA9	-0.195455	6.445745	-2.889715	0.0087674	0.1770962	-2.773258
CCL11	-0.19558	4.60937	-2.270982	0.0337915	0.2894276	-3.98728
ITFG1	-0.195752	8.185268	-2.736263	0.012373	0.2084999	-3.08738
PPP1R3A	-0.196015	2.2150775	-2.180638	0.0407298	0.3087919	-4.151039
SMARCD3	-0.19602	6.722405	-2.178765	0.0408865	0.3088941	-4.154391
ACRV1	-0.196058	3.8734592	-2.485149	0.0214565	0.2472716	-3.583965
FAM186B	-0.19621	5.395035	-2.644297	0.0151677	0.2202796	-3.271936
SIRPA	-0.196333	9.1005133	-2.473231	0.0220144	0.2498385	-3.606929
LOC285000	-0.19657	3.231235	-2.173024	0.0413701	0.3097383	-4.164654
NPRL3	-0.196608	7.5375738	-2.507539	0.0204439	0.2439197	-3.540664
MEPE	-0.19684	4.12581	-2.097818	0.0482022	0.3258387	-4.297536
AMELY	-0.19712	3.443	-2.209357	0.038395	0.3038602	-4.099418
ONECUT2	-0.197234	2.934123	-2.964691	0.0073951	0.1668023	-2.617226
GSG1L	-0.19726	6.56976	-2.762118	0.0116799	0.2042678	-3.034976
LOC554207	-0.19757	4.267725	-2.655802	0.0147879	0.2179193	-3.24901
ZNF552	-0.19766	7.463265	-2.154794	0.0429404	0.3126357	-4.197135
HCN4	-0.19791	4.33742	-2.421642	0.024589	0.2601021	-3.705655
BANF1	-0.19795	11.161115	-2.774934	0.0113501	0.2025669	-3.008918
ABCC12	-0.198	3.146665	-2.111739	0.0468655	0.3226287	-4.273163
BTD	-0.198193	7.4020413	-2.378377	0.0269609	0.2689777	-3.787573
PRKCA	-0.198332	5.163176	-2.576366	0.0176039	0.2333881	-3.406309
CHST3	-0.199367	6.4733333	-2.607363	0.0164498	0.2279634	-3.345207
LOC101927133	-0.19937	2.474315	-2.530634	0.0194463	0.2412514	-3.495789
GRID2	-0.19963	3.803615	-2.121537	0.0459448	0.3194438	-4.255946
KNG1	-0.200293	2.8720667	-2.656483	0.0147657	0.2179193	-3.24765
NAT8B	-0.20108	5.25466	-2.238573	0.0361455	0.2957257	-4.046485
ZPBP2	-0.20112	3.14846	-2.153257	0.0430752	0.3126357	-4.199865
PCOLCE-AS1	-0.20119	4.356235	-2.697243	0.0134933	0.2135338	-3.166042
FAM187B	-0.2012	3.52836	-2.301916	0.0316767	0.2847328	-3.930303
CD99L2	-0.201435	6.3498925	-2.399647	0.0257695	0.2648091	-3.747402
SYNGR4	-0.2016	5.32979	-2.096019	0.0483775	0.3264842	-4.300679
VPREB1	-0.20168	3.54151	-2.152133	0.043174	0.3126357	-4.201861
LTK	-0.20174	3.83804	-2.329738	0.0298791	0.2785146	-3.878676
OR2C1	-0.20215	3.579145	-2.259584	0.0346029	0.2914802	-4.00816
ARSB	-0.202522	4.8807638	-2.31509	0.0308135	0.2814754	-3.905902
PARK2	-0.202693	3.90388	-2.358334	0.0281299	0.2722198	-3.825242
ADAMTS7	-0.202863	5.435475	-2.519822	0.0199075	0.2422281	-3.516824
BRINP1	-0.20389	3.709955	-2.573122	0.017729	0.233712	-3.412684

CYLC1	-0.203897	3.321585	-2.200619	0.0390922	0.3053096	-4.115169
C1orf64	-0.20459	5.548195	-2.192996	0.0397097	0.3067127	-4.128877
SLC5A11	-0.20471	5.409855	-2.339248	0.0292866	0.2767673	-3.860947
EIF2D	-0.20475	10.646855	-2.494846	0.0210123	0.2456879	-3.565236
MFSD10	-0.20476	7.80628	-3.127754	0.0050875	0.1443135	-2.272775
ZNF738	-0.204825	6.5385975	-2.098734	0.0481133	0.3254526	-4.295937
LOC101928844	-0.20491	4.457285	-2.582877	0.0173553	0.2327162	-3.393504
LOC101927499	-0.20502	4.71703	-2.082239	0.0497388	0.331104	-4.32469
LINC00998	-0.20515	10.427385	-2.50759	0.0204416	0.2439197	-3.540565
IDNK	-0.20518	7.59524	-2.175034	0.0412002	0.3097126	-4.161062
FAM171A2	-0.20537	5.989905	-2.178364	0.0409201	0.3088941	-4.155109
SYN3	-0.20543	4.579625	-2.275318	0.0334875	0.2881505	-3.979321
TTY7	-0.20563	2.933385	-2.128776	0.0452751	0.3179202	-4.243193
SVIL	-0.205743	7.8668217	-2.439652	0.02366	0.2573791	-3.671317
UGDH	-0.20582	10.783	-2.208552	0.0384587	0.3038602	-4.100871
MCHR2	-0.20583	4.105035	-3.258711	0.003755	0.1270625	-1.991695
LOC100506585	-0.20607	4.962245	-2.663118	0.0145512	0.2178096	-3.234406
LOC101928516	-0.20628	3.44044	-2.180509	0.0407406	0.3087919	-4.15127
LOC101930421	-0.2067	4.97891	-2.408115	0.0253089	0.2617224	-3.731354
LOC101927411	-0.2072	5.2221	-2.278363	0.0332755	0.2877404	-3.973726
DRD1	-0.20731	2.974375	-2.096464	0.0483341	0.3264842	-4.299902
REXO1L1P	-0.20733	4.737875	-2.361922	0.0279173	0.2713197	-3.818513
MSC	-0.2077	5.82612	-2.829238	0.0100488	0.1889228	-2.897929
NUP210P1	-0.20788	3.77267	-2.59019	0.0170801	0.2311681	-3.379104
PPT1	-0.20841	11.062745	-2.203546	0.0388573	0.3045404	-4.109896
TUBE1	-0.20843	7.133285	-2.179461	0.0408282	0.3088941	-4.153145
AGA	-0.208587	9.7159633	-2.305924	0.0314117	0.2843631	-3.922887
TUBB7P	-0.20877	6.203735	-2.203512	0.0388601	0.3045404	-4.109958
EIF2B1	-0.2088	10.10732	-2.270576	0.0338202	0.2895517	-3.988025
NPAS4	-0.20908	4.250485	-2.435058	0.0238938	0.2580024	-3.680089
OR2H2	-0.209165	3.4548025	-2.724163	0.0127106	0.21011	-3.111828
DNASE2B	-0.20928	3.41942	-2.285612	0.0327757	0.2861319	-3.960389
CHCHD6	-0.20948	8.90342	-2.821793	0.0102184	0.1904276	-2.9132
MANSC1	-0.20951	10.842355	-3.249899	0.0038329	0.1277865	-2.01072
DSCR8	-0.20961	4.260405	-2.572024	0.0177715	0.233853	-3.414841
PIBF1	-0.20962	9.00656	-2.543534	0.0189091	0.2403211	-3.470631
GPR135	-0.209873	4.5852733	-2.155458	0.0428823	0.3126357	-4.195955
PGM1	-0.21009	10.889695	-2.198476	0.0392649	0.3055287	-4.119026
ACSL6	-0.210158	3.373839	-2.487799	0.0213342	0.2467734	-3.57885
OR5V1	-0.21079	2.473785	-2.13863	0.0443778	0.315495	-4.225792
CPPED1	-0.21085	7.9697983	-2.215202	0.037935	0.3035691	-4.088863
NHLRC4	-0.21122	5.78465	-2.261637	0.0344555	0.2911994	-4.004404
DMD	-0.211667	6.2350463	-3.025265	0.0064395	0.1609636	-2.490049
SPTBN1	-0.211689	8.4646318	-2.214313	0.0380046	0.3036066	-4.090469
ZNF785	-0.21194	6.9024	-2.269423	0.0339015	0.2896799	-3.99014
SH2D1B	-0.211945	3.4287225	-2.426611	0.0243293	0.2595799	-3.696195
CCR9	-0.21202	3.36593	-2.109223	0.0471046	0.3226287	-4.277575
CAST	-0.212024	9.364204	-2.903684	0.0084944	0.1745115	-2.744306
C1QL1	-0.212215	5.3256175	-2.470529	0.0221428	0.2504617	-3.612127
C6orf165	-0.21227	6.018385	-2.148585	0.0434874	0.3135448	-4.208158
ENO1-AS1	-0.21241	4.863685	-2.190424	0.0399201	0.3071686	-4.133496
LINC01069	-0.21262	2.74961	-2.435342	0.0238793	0.2579817	-3.679547
SERPINA2	-0.21272	2.99491	-2.155379	0.0428892	0.3126357	-4.196094
LINC01330	-0.21273	2.42917	-2.592213	0.0170047	0.2307395	-3.375117
LOC101929549	-0.21289	3.821475	-2.373656	0.0272321	0.2700969	-3.796462
MBD3L1	-0.21306	3.670215	-2.438064	0.0237405	0.2577748	-3.674349
OR51I2	-0.21319	2.842025	-2.135945	0.0446206	0.315809	-4.230537
USP11	-0.21327	9.107665	-2.210044	0.0383406	0.3038602	-4.098178
GLTPD2	-0.21354	4.51079	-2.421238	0.0246102	0.2601021	-3.706423

SEC22B	-0.2136	11.16348	-2.185092	0.0403594	0.3084924	-4.143059
STK33	-0.213855	3.1478075	-2.324875	0.0301863	0.2792373	-3.887724
MAS1	-0.21388	3.55775	-2.298899	0.0318774	0.2853352	-3.93588
LGSN	-0.21434	2.2883	-2.096203	0.0483596	0.3264842	-4.300358
OBSL1	-0.214416	6.3119293	-2.291808	0.032354	0.2857527	-3.948971
CETN1	-0.2145	2.84853	-2.381618	0.0267761	0.2684446	-3.781464
GPR1-AS	-0.2146	2.46352	-2.35264	0.0284705	0.2733852	-3.835912
CD22	-0.21466	4.6114375	-2.240031	0.0360365	0.2953057	-4.043832
CDK16	-0.214867	8.8034267	-2.208942	0.0384279	0.3038602	-4.100168
PLEKHG2	-0.214997	5.3903517	-2.398425	0.0258366	0.2651394	-3.749716
IFT81	-0.21507	5.78701	-2.580626	0.0174409	0.233149	-3.397934
CORO1B	-0.21529	8.06568	-2.415641	0.024906	0.260714	-3.717066
FER1L6-AS1	-0.21536	2.90893	-2.101226	0.0478719	0.3245898	-4.29158
VCL	-0.21549	8.038215	-3.239459	0.0039271	0.1292461	-2.033239
AIG1	-0.21564	7.07755	-2.496468	0.0209388	0.2453899	-3.5621
ILK	-0.2162	11.05885	-2.511061	0.0202887	0.2433422	-3.533834
CLRN3	-0.21635	2.984145	-2.717061	0.0129128	0.2106165	-3.126154
ARHGEF15	-0.216845	6.8392275	-2.894128	0.0086803	0.1765562	-2.764117
SNCB	-0.21692	4.92191	-2.893221	0.0086981	0.1765905	-2.765995
NOVA2	-0.217068	4.9725313	-2.300433	0.0317752	0.2849425	-3.933045
CDKN1B	-0.21733	11.013745	-2.301518	0.0317031	0.2847328	-3.931039
ZNF827	-0.217722	6.659585	-2.28743	0.0326514	0.2860494	-3.957041
LOC286382	-0.21799	3.227505	-2.461513	0.0225761	0.2529674	-3.629452
CASC14	-0.21812	6.10021	-2.250508	0.0352617	0.2933036	-4.02474
TLE1	-0.218258	7.134537	-2.241667	0.0359145	0.2953057	-4.040855
LOC100996425	-0.21834	6.33404	-2.271348	0.0337658	0.2893549	-3.986609
HIVEP3	-0.218416	6.00028	-2.539877	0.0190599	0.2404439	-3.47777
ISM2	-0.2185	4.54625	-2.170988	0.0415429	0.3103506	-4.168291
LOC101928877	-0.21878	2.80472	-2.712982	0.0130303	0.2116333	-3.134375
CDKN2B	-0.219025	7.7055875	-2.64557	0.0151252	0.2200571	-3.2694
MAGEC3	-0.21922	2.77919	-2.202362	0.0389522	0.3049118	-4.11203
SLC6A5	-0.21932	3.61972	-2.31546	0.0307895	0.2813826	-3.905215
HEYL	-0.21945	6.68807	-2.236815	0.0362774	0.2964489	-4.049682
MAGEE2	-0.21945	3.064535	-2.189559	0.0399911	0.3071686	-4.135048
ISPD-AS1	-0.219535	2.6454125	-2.141168	0.0441492	0.3152181	-4.221301
CLEC1B	-0.21954	4.75623	-2.480615	0.0216672	0.2482383	-3.592708
C6orf203	-0.21961	10.265925	-2.179474	0.0408271	0.3088941	-4.153123
LOC100134040	-0.21974	4.36933	-3.580445	0.0017636	0.0874706	-1.287874
SLC9A3	-0.21975	5.140785	-2.257604	0.0347457	0.2918581	-4.01178
ERCC1	-0.21992	10.534243	-2.526336	0.0196284	0.2415077	-3.504155
ZNF808	-0.22026	6.40197	-2.939905	0.0078242	0.1692469	-2.668981
SART1	-0.220275	7.8425275	-3.612695	0.001634	0.0835883	-1.216491
KIAA1191	-0.22036	11.21719	-3.720052	0.0012666	0.0713963	-0.978003
C12orf42	-0.220725	4.1746575	-2.729173	0.0125697	0.2091864	-3.10171
TRIO	-0.220801	5.7641161	-3.074417	0.0057526	0.1534688	-2.386164
LINC00858	-0.22083	3.678005	-2.420263	0.0246615	0.2601151	-3.708278
LDB3	-0.22113	6.057561	-2.112651	0.0467791	0.3225795	-4.271562
SBF2-AS1	-0.22128	5.69792	-2.294381	0.0321803	0.2854238	-3.944222
FAM53B	-0.221365	7.4993725	-2.471062	0.0221174	0.2503131	-3.611102
KRBOX4	-0.22146	8.18605	-2.082181	0.0497446	0.331104	-4.324792
ZFAND3	-0.221495	8.0370275	-2.203196	0.0388854	0.3046218	-4.110527
FAM63A	-0.22153	8.45389	-2.703752	0.0132999	0.2132786	-3.152957
BHLHB9	-0.22154	8.92778	-2.295677	0.0320931	0.2854238	-3.94183
LINC01310	-0.2216	3.88092	-2.126511	0.0454837	0.3184015	-4.247186
CLRN1	-0.221927	3.3956733	-2.948502	0.0076727	0.1684532	-2.651047
FLJ20518	-0.222	2.41195	-2.541241	0.0190035	0.2404439	-3.475108
PAG1	-0.222503	8.7444083	-2.349334	0.02867	0.2740492	-3.8421
FSCN1	-0.222765	8.9946225	-2.254627	0.0349613	0.2926264	-4.017221
MPV17	-0.22282	9.2526	-3.373167	0.0028738	0.1119586	-1.74325

SLC7A11-AS1	-0.22289	2.687855	-2.254565	0.0349659	0.2926264	-4.017335
LINC00309	-0.22337	2.344275	-2.411806	0.0251105	0.26128	-3.724349
MYO1C	-0.223423	9.8683417	-2.594152	0.0169327	0.230476	-3.371293
FDFT1	-0.223527	10.36501	-2.535501	0.0192419	0.2407184	-3.486304
NSMCE1	-0.22354	10.28691	-3.51404	0.0020633	0.0944481	-1.434438
PPP1R15A	-0.223555	8.0348475	-2.184135	0.0404387	0.3085029	-4.144775
LINC00528	-0.22399	4.110995	-2.080483	0.0499148	0.3317168	-4.327744
TSPY26P	-0.224	6.285145	-2.497976	0.0208708	0.2450171	-3.559183
FTO	-0.22401	12.174605	-3.37192	0.0028822	0.1119586	-1.745969
POP5	-0.22416	10.12603	-2.991263	0.0069602	0.164001	-2.561555
CD19	-0.22439	4.548895	-2.369525	0.0274715	0.2710688	-3.804232
IFNA14	-0.22491	2.406515	-2.110519	0.0469813	0.3226287	-4.275303
CD28	-0.22526	3.88801	-2.445177	0.0233815	0.2559835	-3.660755
PITPNA-AS1	-0.22531	9.804695	-2.368507	0.0275308	0.2710688	-3.806145
HABP2	-0.22537	3.271655	-2.265136	0.0342055	0.2906617	-3.997997
GNAO1	-0.22565	4.809405	-2.672201	0.0142622	0.2169559	-3.21625
TRPC7	-0.225815	3.0478325	-2.710916	0.0130902	0.2117402	-3.138537
FAM124A	-0.226158	5.156399	-3.013935	0.0066087	0.1627032	-2.51391
OS9	-0.226315	11.035793	-2.898776	0.0085894	0.1759173	-2.754483
TMEM145	-0.22656	4.27423	-2.106599	0.0473551	0.3228596	-4.282174
LOC101928770	-0.22672	3.92892	-2.386687	0.0264894	0.2672716	-3.771901
FAM9B	-0.226725	2.9011975	-2.753871	0.0118968	0.2055529	-3.051715
CCDC136	-0.22691	5.8088783	-2.125467	0.0455802	0.3186185	-4.249026
AQP4	-0.226962	2.963365	-2.675616	0.0141549	0.2159867	-3.209416
FSCN3	-0.22759	3.365625	-2.161362	0.0423685	0.3123443	-4.185451
CACNA1B	-0.227815	4.3538575	-2.240288	0.0360173	0.2953057	-4.043365
CMTM3	-0.228123	7.801805	-2.094368	0.0485388	0.3268738	-4.303561
KIAA1841	-0.228145	5.5994075	-2.700832	0.0133863	0.2133336	-3.158828
STXBP6	-0.2282	7.64792	-2.511321	0.0202773	0.2433422	-3.53333
LOC101928943	-0.22831	3.960555	-2.271304	0.0337689	0.2893549	-3.98669
F13B	-0.22832	2.63214	-2.348235	0.0287366	0.2741296	-3.844155
EZH1	-0.228826	7.085115	-2.81576	0.0103579	0.1923255	-2.925563
MYO15A	-0.2289	4.75693	-2.60467	0.0165472	0.2283972	-3.35053
LOC286238	-0.22893	3.713465	-2.346421	0.0288468	0.2746688	-3.847547
MYO5A	-0.229215	6.6741925	-2.153554	0.0430492	0.3126357	-4.199339
C19orf83	-0.22923	5.23315	-2.10786	0.0472346	0.3228596	-4.279965
EEFSEC	-0.22926	7.36326	-2.344439	0.0289677	0.2750704	-3.851253
PPP1R17	-0.229345	3.2440475	-2.252184	0.0351392	0.2932771	-4.021683
LOC100130872	-0.22942	5.48516	-2.291511	0.0323741	0.2857527	-3.949519
GANC	-0.22942	6.6371967	-2.490688	0.0212017	0.2463611	-3.573272
CEP112	-0.2296	4.5380167	-2.170191	0.0416106	0.3105898	-4.169712
TXNDC16	-0.22965	9.019445	-3.005028	0.0067447	0.163155	-2.532645
UMOD	-0.22981	3.176325	-2.183656	0.0404785	0.3085029	-4.145633
LINC00593	-0.22985	3.004325	-2.532638	0.0193619	0.2407665	-3.491884
BARX1-AS1	-0.23035	3.760545	-2.672024	0.0142677	0.2169559	-3.216603
B4GALNT1	-0.23055	3.90566	-2.248649	0.0353981	0.2933725	-4.028133
C19orf10	-0.23057	9.58902	-2.674382	0.0141936	0.216415	-3.211885
LOC101928278	-0.23069	5.148725	-2.6558	0.014788	0.2179193	-3.249013
LOC101927766	-0.23074	4.21317	-2.630577	0.0156325	0.2236872	-3.299211
C4orf17	-0.23107	2.928015	-2.160924	0.0424065	0.3123443	-4.186232
EPB41L1	-0.231113	7.1273767	-2.772399	0.0114146	0.2027487	-3.014076
MAOB	-0.231137	4.894435	-2.142537	0.0440263	0.3149945	-4.218876
ZNF843	-0.23122	5.21812	-2.150512	0.043317	0.3129776	-4.204739
CXorf36	-0.231833	6.1680538	-2.148068	0.0435333	0.3136335	-4.209075
UBE2E2-AS1	-0.23194	3.0538	-2.71863	0.0128678	0.2105598	-3.122992
GPSM1	-0.23207	7.142395	-2.291468	0.0323769	0.2857527	-3.949597
C17orf64	-0.23223	5.637585	-2.598582	0.0167693	0.2297081	-3.362554
ZCCHC12	-0.23229	3.014075	-2.340018	0.0292391	0.2764744	-3.859511
LINC00934	-0.23243	3.293525	-2.239214	0.0360975	0.2955694	-4.045319

F2	-0.23247	4.080555	-2.285497	0.0327836	0.2861319	-3.960602
C16orf45	-0.232515	7.3190325	-2.429109	0.0241997	0.2592064	-3.691434
ROGDI	-0.23259	7.831455	-2.263518	0.0343209	0.2910379	-4.00096
C9orf57	-0.23269	2.595735	-2.216746	0.0378143	0.3029589	-4.086071
LOC101927450	-0.23277	2.430565	-2.466582	0.0223315	0.2515118	-3.619715
FAM114A2	-0.233005	8.4420375	-2.136858	0.0445379	0.3156685	-4.228924
STK32C	-0.23321	6.282935	-2.782221	0.0111666	0.201137	-2.994079
ZBTB10	-0.233457	5.9816843	-2.392154	0.0261835	0.2661532	-3.761575
TRMT10B	-0.233505	6.6425575	-2.252224	0.0351363	0.2932771	-4.021608
SPATA2	-0.233815	8.5150125	-2.124602	0.0456602	0.3186185	-4.25055
ZBTB2	-0.23399	9.288435	-2.35808	0.028145	0.2722198	-3.825718
C1orf220	-0.23443	2.632505	-2.527007	0.0195998	0.2415077	-3.50285
BHLHE23	-0.23446	3.91817	-2.312017	0.0310129	0.2822888	-3.911601
AVP	-0.23453	5.659125	-2.30993	0.0311489	0.2828981	-3.915468
FAM47C	-0.23473	2.953225	-2.357987	0.0281506	0.2722198	-3.825893
HLA-F-AS1	-0.234805	5.8514025	-2.427954	0.0242596	0.2592619	-3.693635
ACO2	-0.234915	6.9822825	-2.676272	0.0141344	0.2158345	-3.208102
WDPCP	-0.23521	6.509255	-2.828984	0.0100546	0.1889228	-2.898451
MTX1	-0.23549	9.054325	-2.262383	0.0344021	0.2911171	-4.003038
SNX33	-0.236185	9.1558725	-2.146914	0.0436357	0.31395	-4.211121
UPF2	-0.23642	9.93309	-2.181864	0.0406275	0.3085822	-4.148843
SLC9A8	-0.2366	7.84072	-3.234471	0.0039729	0.1295711	-2.043993
DMRTB1	-0.23681	4.467585	-2.2956	0.0320983	0.2854238	-3.941973
DNAJB5	-0.237045	5.1860625	-2.147912	0.0435472	0.3136335	-4.209352
LINC00682	-0.23718	2.56813	-2.689279	0.0137335	0.2139002	-3.182034
BPIFA2	-0.23753	4.658405	-2.128105	0.0453368	0.3181011	-4.244377
LINC00410	-0.23768	2.89624	-2.948997	0.0076641	0.1684445	-2.650015
LRRC6	-0.23791	6.44873	-2.272698	0.0336709	0.2891205	-3.984131
ZNF490	-0.23795	10.658925	-3.069234	0.0058216	0.1545026	-2.397147
RCBTB2	-0.23806	6.402895	-2.728637	0.0125847	0.2091864	-3.102793
GARNL3	-0.238325	5.2731725	-2.497979	0.0208706	0.2450171	-3.559176
PCDHGA9	-0.23862	4.70055	-2.450023	0.0231399	0.2547097	-3.651481
CNDP2	-0.238873	7.0650567	-2.264033	0.0342841	0.2909673	-4.000017
BRE	-0.239157	8.733735	-2.616796	0.016113	0.2265224	-3.32654
ATRN	-0.239355	9.5112575	-2.214584	0.0379834	0.3036066	-4.08998
TMEM80	-0.239667	8.20536	-2.451823	0.0230507	0.2545192	-3.648034
CYMP	-0.24	4.67611	-2.567968	0.0179295	0.2345798	-3.422802
DNAI1	-0.24	3.62631	-2.840555	0.0097962	0.1871608	-2.874682
RNF13	-0.240085	11.003923	-3.40645	0.002658	0.1072026	-1.670572
PHACTR1	-0.240143	6.913215	-2.332912	0.0296801	0.2778797	-3.872763
LOC101927523	-0.24034	4.15714	-3.130572	0.0050545	0.1438451	-2.266766
TMEM204	-0.240383	7.319055	-2.865621	0.009258	0.1810003	-2.823057
LINC00529	-0.2404	3.39807	-3.144441	0.0048951	0.1404818	-2.237164
UPK3A	-0.24053	5.788785	-2.749187	0.0120218	0.2065401	-3.061212
ZNF22	-0.240535	8.5616075	-2.240756	0.0359824	0.2953057	-4.042514
CKM	-0.24061	3.797995	-2.399465	0.0257795	0.2648091	-3.747747
ATXN8OS	-0.24075	2.383685	-2.642954	0.0152126	0.2203769	-3.274607
JRKL	-0.24089	6.98936	-2.258558	0.0346768	0.2916388	-4.010036
DRAM2	-0.240935	10.440438	-3.098513	0.0054423	0.1498802	-2.335021
LOC100128644	-0.24103	5.928525	-2.712861	0.0130338	0.2116333	-3.134619
SH2D3C	-0.24105	5.3979517	-2.158374	0.0426278	0.3124682	-4.19077
ZNF717	-0.2415	5.99883	-2.374273	0.0271965	0.2698812	-3.795301
NPVF	-0.24155	2.794655	-3.012716	0.0066271	0.1627903	-2.516475
SSPN	-0.241677	7.4775463	-2.098769	0.0481099	0.3254526	-4.295875
FRAS1	-0.241702	4.332779	-2.228226	0.0369281	0.2985469	-4.065281
LOC101927159	-0.24189	3.197965	-2.0974	0.0482429	0.3260061	-4.298267
MLLT1	-0.242115	7.1746725	-2.763479	0.0116444	0.2041515	-3.032211
CUEDC1	-0.242245	6.3256375	-2.244032	0.0357388	0.2944215	-4.036548
GPI	-0.24232	10.79264	-2.554193	0.0184757	0.2379169	-3.449795

ZNF75A	-0.242605	9.1555825	-2.916396	0.0082532	0.173805	-2.717912
PLEKHF1	-0.24297	7.353385	-2.266002	0.0341439	0.2903793	-3.99641
GUCA2A	-0.24331	5.641805	-2.760103	0.0117325	0.2045923	-3.039069
MUC2	-0.24336	4.29937	-2.698367	0.0134597	0.2134632	-3.163783
IL16	-0.24373	7.606205	-2.456266	0.022832	0.2531293	-3.639519
PRKAG2	-0.243774	7.057643	-2.106571	0.0473578	0.3228596	-4.282223
FBXW4	-0.24419	9.559615	-2.716886	0.0129178	0.2106165	-3.126507
SMG6	-0.24434	5.62498	-2.719011	0.0128569	0.2105598	-3.122223
FLT1	-0.244902	6.7591558	-3.104764	0.0053645	0.1485242	-2.321732
C18orf21	-0.24503	6.588035	-2.592285	0.017002	0.2307395	-3.374975
CHST8	-0.24536	5.6728	-3.045682	0.0061451	0.1577689	-2.446971
VPS4A	-0.24554	11.65761	-3.28058	0.0035685	0.1257589	-1.944413
FGGY	-0.245585	5.0310525	-3.40284	0.0026806	0.1072026	-1.678463
C8orf46	-0.24561	3.651135	-2.880637	0.0089492	0.1790023	-2.792041
TLR1	-0.24606	7.39257	-2.287465	0.032649	0.2860494	-3.956976
SOHLH2	-0.24647	2.432005	-3.04837	0.0061073	0.1575884	-2.441291
DPYSL4	-0.24669	5.561665	-2.117745	0.0462992	0.320709	-4.262615
CDC42EP2	-0.24699	6.230505	-2.585687	0.0172491	0.2320884	-3.387975
GGTLC2	-0.24729	5.427445	-2.708888	0.0131492	0.2120879	-3.14262
KIF26B	-0.24779	5.8542917	-2.476461	0.0218619	0.2492919	-3.600711
PCYOX1	-0.248025	10.058058	-2.583564	0.0173293	0.2325199	-3.392154
NPTXR	-0.248175	5.4774975	-2.106145	0.0473986	0.3228596	-4.282969
C2CD4C	-0.24826	4.98493	-2.249213	0.0353567	0.2933725	-4.027104
PRKAR1B	-0.24899	6.743045	-2.638537	0.0153612	0.2214611	-3.283396
CYP11A1	-0.2492	4.94151	-2.291606	0.0323676	0.2857527	-3.949343
PDSS2	-0.2498	8.66697	-3.359028	0.0029706	0.1140433	-1.774068
LOC100128185	-0.25037	2.952275	-2.860497	0.0093656	0.1818709	-2.833626
LINC01206	-0.25086	3.134335	-2.207259	0.0385614	0.3038692	-4.103204
IL1RAPL1	-0.251175	4.1009825	-2.962676	0.0074291	0.1668023	-2.621438
NDE1	-0.251202	7.408585	-2.27844	0.0332701	0.2877404	-3.973585
CLYBL-AS1	-0.25129	3.232715	-2.440319	0.0236262	0.2571484	-3.670043
CPXM2	-0.25135	6.050095	-2.127373	0.0454043	0.3181011	-4.245668
LRP5	-0.25152	6.28916	-2.724401	0.0127038	0.21011	-3.111346
LINC-PINT	-0.25179	5.518995	-2.670706	0.0143094	0.2172926	-3.21924
MUL1	-0.25183	8.460585	-2.258088	0.0347108	0.2917007	-4.010896
CAPN5	-0.252105	6.4850675	-2.149205	0.0434325	0.3133698	-4.207058
OR52A1	-0.25241	2.995015	-2.112448	0.0467984	0.3225795	-4.271919
FAM159A	-0.25242	5.106055	-3.479961	0.0022359	0.0973424	-1.509421
PTCHD1	-0.25243	3.41351	-2.137334	0.0444948	0.315495	-4.228083
DENND5B	-0.252708	4.64624	-2.181026	0.0406975	0.3087919	-4.150345
MED12	-0.25271	7.812065	-3.315118	0.003292	0.1208765	-1.869554
DEPDC5	-0.25274	9.42203	-3.019979	0.0065179	0.1619721	-2.501186
MAPT	-0.252833	6.5239267	-2.285373	0.0327921	0.2861319	-3.96083
LHFPL5	-0.25287	4.187475	-2.170192	0.0416106	0.3105898	-4.169712
UCMA	-0.25306	3.16195	-2.316203	0.0307415	0.2811737	-3.903836
LINC00879	-0.25421	2.767835	-2.591732	0.0170226	0.2308067	-3.376065
CDRT15L2	-0.2543	3.80425	-2.278697	0.0332523	0.2877404	-3.973113
NPB	-0.25455	5.366745	-2.706425	0.0132213	0.2125172	-3.147578
SORT1	-0.254737	8.1145583	-2.419413	0.0247062	0.2601526	-3.709894
BPIFA1	-0.25476	2.95681	-2.750439	0.0119883	0.2063109	-3.058675
MRVI1-AS1	-0.25499	5.774155	-2.459443	0.0226768	0.2529674	-3.633425
CLYBL	-0.255093	6.1838567	-2.108405	0.0471826	0.3227851	-4.27901
HLA-DPB2	-0.25561	3.071325	-2.639066	0.0153433	0.2214073	-3.282342
GALNT11	-0.25583	9.974095	-2.759418	0.0117505	0.2045923	-3.040459
LOC101928389	-0.25587	2.286415	-2.608512	0.0164084	0.2279634	-3.342936
OR7E12P	-0.25611	6.956895	-2.290707	0.0324285	0.2857825	-3.951001
TPCN1	-0.256217	7.3724683	-2.132515	0.0449327	0.316959	-4.236596
GUCA1A	-0.25634	4.0686667	-2.153401	0.0430626	0.3126357	-4.199609
MYO3B	-0.25637	3.8658283	-2.137811	0.0444517	0.315495	-4.22724

ZNFX1	-0.25656	8.98885	-2.492198	0.0211327	0.2461259	-3.570354
NMRK2	-0.25692	5.47644	-2.512419	0.0202291	0.2433422	-3.531199
MMRN2	-0.25701	7.5543217	-2.23005	0.036789	0.2984839	-4.061971
LOC285696	-0.25722	5.15462	-2.182102	0.0406078	0.3085815	-4.148418
PAXIP1OS	-0.257395	7.0772675	-2.743186	0.0121836	0.2078785	-3.07337
LOC339685	-0.25744	4.48657	-2.939918	0.0078239	0.1692469	-2.668953
LOC101927272	-0.25771	5.227725	-2.090573	0.0489115	0.3280324	-4.310182
GABRA3	-0.25772	3.84247	-2.142974	0.0439873	0.3149945	-4.218103
LRP3	-0.25772	6.836905	-2.268382	0.0339751	0.2899077	-3.992049
CYSLTR2	-0.25784	3.3374	-2.18709	0.0401943	0.3079322	-4.139477
MCF2	-0.25825	3.32028	-2.561999	0.0181643	0.2353879	-3.434508
FAM167B	-0.25836	5.8039	-2.738164	0.0123207	0.2084999	-3.083534
CHST1	-0.25849	4.81166	-2.425677	0.0243779	0.2595886	-3.697974
CLUAP1	-0.25873	7.1071217	-2.541812	0.0189799	0.2404439	-3.473992
FNDC9	-0.25881	2.922335	-2.54559	0.0188247	0.2398454	-3.466616
ALDOAP2	-0.25884	4.13363	-3.309631	0.0033345	0.1211915	-1.881462
TNP1	-0.25923	5.478745	-2.884626	0.0088689	0.1779169	-2.78379
SIL1	-0.25927	8.999455	-2.139243	0.0443224	0.315495	-4.224706
IL3	-0.25932	3.38606	-2.247461	0.0354855	0.2935801	-4.030299
GAB4	-0.25935	3.448755	-2.72234	0.0127622	0.21011	-3.115507
APLF	-0.259565	5.5466275	-2.473303	0.022011	0.2498385	-3.60679
SDSL	-0.25989	6.416205	-2.692002	0.0136509	0.2139002	-3.176568
PFKM	-0.26024	10.0145	-2.329182	0.0299141	0.2785146	-3.87971
NKX6-3	-0.260875	5.3788225	-2.960634	0.0074637	0.1672755	-2.625709
VWA8	-0.261065	7.3797425	-2.142528	0.0440272	0.3149945	-4.218893
HEMK1	-0.261522	6.8025238	-2.509781	0.0203449	0.2437342	-3.536316
PTPRU	-0.26183	6.767265	-2.183093	0.0405253	0.3085815	-4.146643
CLPS	-0.26187	4.914545	-2.898372	0.0085973	0.1759173	-2.755322
ALPP	-0.26196	5.96961	-3.165931	0.0046577	0.1389309	-2.191214
ZNF320	-0.262455	8.7830075	-2.192664	0.0397369	0.3067127	-4.129474
SLC22A17	-0.26298	5.62048	-2.386948	0.0264747	0.2672716	-3.771408
GCM1	-0.26317	2.473445	-2.283651	0.0329102	0.2864352	-3.964
BIRC7	-0.26321	7.242665	-2.321356	0.0304105	0.2802904	-3.894267
A2M	-0.263695	8.5045675	-3.197641	0.0043277	0.13392	-2.123224
LOC101929027	-0.26376	4.56971	-2.87352	0.0090943	0.1797951	-2.806749
CDK15	-0.26389	5.167955	-2.473687	0.0219928	0.2498385	-3.606051
HERC6	-0.26413	5.28472	-2.690133	0.0137075	0.2139002	-3.180318
NR4A1	-0.264313	6.1319233	-2.627273	0.0157465	0.2242201	-3.30577
ERLEC1	-0.26477	9.2180483	-2.284255	0.0328687	0.2862998	-3.962888
MRPL28	-0.26499	9.360365	-2.718571	0.0128695	0.2105598	-3.123109
LOC101927038	-0.26502	2.90553	-3.375517	0.002858	0.1116052	-1.738124
CABP5	-0.26529	3.291865	-2.519106	0.0199384	0.2422676	-3.518214
GAL3ST2	-0.26538	5.74385	-2.758664	0.0117703	0.2045923	-3.041988
CHST4	-0.26547	3.341645	-2.696	0.0135305	0.2139002	-3.168539
DLGAP1	-0.26569	4.00663	-2.906898	0.0084328	0.1745115	-2.737637
LINC01272	-0.26639	4.473325	-3.223688	0.0040738	0.1309087	-2.067217
TTC28	-0.266517	6.7085983	-2.343764	0.029009	0.2753162	-3.852513
HHIPL2	-0.26665	5.403725	-2.964694	0.007395	0.1668023	-2.617219
MAGEA10	-0.26668	4.13604	-2.830555	0.0100191	0.1889228	-2.895226
CES3	-0.26683	5.27662	-2.480333	0.0216803	0.2482503	-3.593252
EPHB2	-0.266918	5.9271588	-2.433526	0.0239722	0.2583393	-3.683012
KCNK3	-0.267483	4.7937383	-2.27861	0.0332583	0.2877404	-3.973272
MAP10	-0.2678	2.52061	-2.101411	0.047854	0.3245898	-4.291256
ROBO1	-0.26813	11.387245	-3.991342	0.0006635	0.0511261	-0.370809
CCDC184	-0.26846	4.45753	-2.914266	0.0082931	0.173805	-2.722337
TRPM6	-0.268552	4.4269988	-2.151931	0.0431918	0.3126357	-4.202219
DENND6B	-0.268563	5.8617783	-2.987011	0.0070281	0.1645404	-2.570476
MGC16025	-0.26871	3.397255	-2.196293	0.0394415	0.3059573	-4.122952
PCDHB12	-0.26877	4.480815	-2.765946	0.0115804	0.2041515	-3.027199

EDN2	-0.26899	6.021525	-2.702471	0.0133378	0.2133336	-3.155533
ABCC8	-0.269085	5.3491475	-3.470506	0.0022863	0.0986948	-1.530194
VSTM4	-0.270177	6.033095	-2.54996	0.0186467	0.2386471	-3.458074
SV2B	-0.270193	5.4962	-2.589957	0.0170888	0.2311681	-3.379564
LOC100507351	-0.27023	3.847215	-2.669142	0.0143589	0.2173935	-3.222368
SUCLG2	-0.270563	9.7874817	-2.669861	0.0143361	0.2172926	-3.22093
MTMR2	-0.270937	9.273285	-3.498362	0.002141	0.0960274	-1.468955
QDPR	-0.271195	7.6400975	-2.99369	0.0069217	0.1637364	-2.556462
LOC101926934	-0.2713	4.46239	-2.298544	0.0319011	0.2854223	-3.936535
RUNX3	-0.27157	7.371025	-2.270271	0.0338417	0.2895564	-3.988585
ZNF32	-0.27193	9.195135	-2.506375	0.0204954	0.2441394	-3.54292
TPO	-0.27197	5.259095	-2.184462	0.0404117	0.3085029	-4.144189
ISYNA1	-0.27219	7.0330075	-3.386793	0.0027834	0.1098493	-1.713517
LOC100505878	-0.27221	2.415175	-2.12281	0.0458264	0.3190543	-4.253706
PBXIP1	-0.273023	7.7447417	-3.80337	0.0010389	0.0638348	-0.792125
PRKCQ-AS1	-0.27339	4.806905	-2.282893	0.0329624	0.2866451	-3.965395
ROBO4	-0.273555	7.5788375	-2.312582	0.0309761	0.282205	-3.910552
LOC101928894	-0.27356	2.94852	-2.888618	0.0087892	0.1771861	-2.775527
MAP1A	-0.273763	6.442745	-2.287424	0.0326518	0.2860494	-3.957052
NPAP1	-0.27394	5.01213	-2.903838	0.0084915	0.1745115	-2.743988
TNFSF10	-0.27417	10.752748	-2.146276	0.0436925	0.3139876	-4.212252
PPEF2	-0.27421	2.602115	-2.87239	0.0091176	0.1799453	-2.809083
LOC101927513	-0.27467	3.006985	-2.7587	0.0117693	0.2045923	-3.041917
CRYAA	-0.27499	4.385145	-2.40512	0.0254709	0.26243	-3.737034
GJB1	-0.27512	6.1804	-2.69342	0.0136081	0.2139002	-3.173721
LOC441086	-0.2754	2.91176	-2.298962	0.0318732	0.2853352	-3.935764
GLG1	-0.275535	9.5343125	-4.696531	0.0001231	0.0193799	1.217803
LOC100379224	-0.27593	2.313595	-2.16863	0.0417438	0.310758	-4.172499
RNF122	-0.27594	6.90469	-2.541182	0.0190059	0.2404439	-3.475223
NAT14	-0.27597	6.798255	-2.313082	0.0309436	0.282035	-3.909627
IRX3	-0.27603	11.146425	-2.086141	0.0493499	0.3303407	-4.317902
OSTM1	-0.276035	7.8619425	-2.262605	0.0343862	0.2911151	-4.002633
REN	-0.27618	4.10702	-2.129881	0.0451737	0.3177679	-4.241244
CTNNA3	-0.276195	3.6947425	-2.797972	0.0107796	0.1976452	-2.961946
ZNF429	-0.27659	4.227695	-3.004213	0.0067573	0.163155	-2.534358
CPSF1	-0.27675	3.432665	-2.462073	0.022549	0.2529674	-3.628376
RRAD	-0.2769	5.39165	-2.695694	0.0135397	0.2139002	-3.169154
DNM3	-0.27715	6.3882583	-2.380364	0.0268474	0.2687632	-3.783828
USP30-AS1	-0.27717	3.669745	-2.478528	0.0217648	0.2483959	-3.59673
LPPR3	-0.27767	6.861645	-3.149031	0.0048434	0.1395866	-2.227359
FGF16	-0.27767	3.391185	-3.417575	0.0025894	0.1066889	-1.646237
LOC553103	-0.27788	4.31331	-2.662436	0.0145731	0.2178191	-3.235768
DENND3	-0.278255	6.3452275	-2.475146	0.0219239	0.2495028	-3.603243
LMF1	-0.278426	6.4207661	-2.700431	0.0133983	0.2133336	-3.159635
G6PC2	-0.2787	4.23414	-3.323797	0.0032259	0.1193652	-1.850708
IL17C	-0.27875	5.476745	-2.958414	0.0075015	0.1677556	-2.630348
MMP20	-0.27904	2.76682	-2.608015	0.0164263	0.2279634	-3.343917
LOC100132207	-0.27962	3.81576	-2.280733	0.0331113	0.2873912	-3.969369
CYP26A1	-0.27967	4.329855	-3.038419	0.0062483	0.1592185	-2.462307
LOC101928476	-0.27986	2.66815	-2.084729	0.0494903	0.3307219	-4.320359
LINC00317	-0.27989	3.750415	-2.094832	0.0484934	0.3268559	-4.30275
GBE1	-0.28001	10.762055	-2.490788	0.0211971	0.2463611	-3.573078
CLCN7	-0.28033	7.593995	-2.234755	0.0364325	0.2972414	-4.053426
HPCAL1	-0.280345	7.2701475	-2.772562	0.0114105	0.2027487	-3.013745
B9D1	-0.280533	7.26353	-2.550617	0.01862	0.2385741	-3.456789
KALRN	-0.280746	4.9814929	-2.499485	0.0208029	0.2450171	-3.556263
APOA1BP	-0.28092	10.29104	-2.906303	0.0084442	0.1745115	-2.738873
CD177	-0.2819	4.30744	-2.610845	0.0163247	0.2278817	-3.338321
TPBGL	-0.28201	4.324175	-2.917444	0.0082336	0.173805	-2.715734

PCDHB6	-0.282405	4.9024475	-2.247292	0.0354979	0.2935801	-4.030608
DNMT3A	-0.282577	6.487735	-3.009229	0.0066802	0.1629072	-2.52381
DENND4B	-0.28327	10.562185	-2.649979	0.014979	0.2197132	-3.260618
GEMIN8	-0.283417	7.8957517	-2.144405	0.0438593	0.3146735	-4.215569
LOC101929002	-0.28364	2.53099	-2.393945	0.026084	0.2656697	-3.75819
SPIRE2	-0.283813	5.5531363	-2.327221	0.0300378	0.2786912	-3.883361
LOC101928101	-0.2839	3.87395	-3.19081	0.0043969	0.134635	-2.13789
CDX2	-0.28405	5.319895	-2.275794	0.0334543	0.2879854	-3.978446
ERLIN2	-0.284077	8.3132383	-3.723474	0.0012563	0.0710137	-0.970382
UPK2	-0.28472	4.97904	-3.371102	0.0028878	0.1119586	-1.747754
LCN12	-0.28505	5.179995	-2.423509	0.0244911	0.2597825	-3.702101
SUCLG2-AS1	-0.285703	3.1360683	-3.351267	0.0030251	0.1152699	-1.790969
LOC101929132	-0.28595	5.101035	-2.57665	0.017593	0.2333881	-3.405752
OR8G1	-0.28599	2.834625	-2.659417	0.0146705	0.2179193	-3.241796
ZYX	-0.286255	8.9129125	-2.127793	0.0453656	0.3181011	-4.244928
GH1	-0.286283	3.2693963	-2.310167	0.0311335	0.2828981	-3.91503
PID1	-0.286347	6.7859767	-2.538178	0.0191304	0.2404439	-3.481084
LOC101928505	-0.28656	2.38069	-2.421255	0.0246093	0.2601021	-3.706391
NOTUM	-0.2869	5.90284	-2.29637	0.0320466	0.2854238	-3.940551
NEDD9	-0.286928	5.50635	-3.444279	0.0024318	0.1021772	-1.587746
ATP8B5P	-0.286935	2.6842625	-2.583767	0.0173216	0.2325199	-3.391753
NGFRAP1	-0.28694	10.85143	-3.637409	0.0015411	0.0808552	-1.161702
DERA	-0.2873	10.66304	-2.949253	0.0076596	0.1684445	-2.649481
OLFM1	-0.287383	6.8723983	-2.405752	0.0254367	0.26243	-3.735836
ROR1	-0.287717	6.6673317	-2.647997	0.0150445	0.2200571	-3.264566
FZD9	-0.28791	5.144575	-2.40099	0.0256959	0.2642163	-3.74486
LOC101927829	-0.28861	2.988165	-2.511773	0.0202574	0.2433422	-3.532453
RBCK1	-0.289345	9.1640625	-2.345914	0.0288777	0.2748349	-3.848495
QPRT	-0.28965	5.813095	-2.196824	0.0393985	0.3059573	-4.121996
ZNF76	-0.28968	7.4827	-2.500424	0.0207607	0.2450171	-3.554446
HCRTR2	-0.28969	3.079885	-2.727749	0.0126096	0.2093174	-3.104587
M1AP	-0.289703	2.8185913	-3.732368	0.00123	0.0699145	-0.950567
ASMTL	-0.289937	9.072585	-2.197401	0.0393518	0.3058168	-4.120958
ADCY5	-0.290695	5.9366375	-2.636923	0.0154159	0.2216315	-3.286603
HIBADH	-0.290777	7.8721717	-2.133332	0.0448582	0.3166227	-4.235155
AARS2	-0.29129	7.924305	-2.186462	0.0402461	0.3081022	-4.140604
VWA8-AS1	-0.2916	2.417105	-2.318776	0.0305759	0.280306	-3.89906
RNF144A-AS1	-0.29173	3.4909517	-2.442933	0.0234942	0.2563942	-3.665046
OCEL1	-0.29197	7.717525	-2.648697	0.0150214	0.2200194	-3.263172
TBXA2R	-0.292327	6.7128538	-3.044195	0.0061661	0.1577689	-2.450112
ARHGEF10	-0.292727	7.3463913	-2.247327	0.0354954	0.2935801	-4.030544
RPL23AP32	-0.29275	8.154805	-2.256961	0.0347922	0.2921286	-4.012956
NUDT14	-0.29277	7.06155	-2.49555	0.0209804	0.2455132	-3.563874
XPR1	-0.293073	6.58857	-2.138044	0.0444307	0.315495	-4.226828
DLEU7	-0.29346	2.46683	-2.457847	0.0227546	0.2530253	-3.636485
SYNPR	-0.29373	2.772785	-2.276957	0.0333732	0.2877404	-3.97631
LOC100133089	-0.29399	4.528245	-2.904433	0.0084801	0.1745115	-2.742752
CLU	-0.294278	9.9698213	-2.603415	0.0165927	0.2286333	-3.353009
DLL4	-0.29449	4.824605	-2.451374	0.0230729	0.2545192	-3.648894
FAM230B	-0.29475	4.445445	-2.196283	0.0394424	0.3059573	-4.12297
TSC22D3	-0.295167	6.9892233	-3.350229	0.0030325	0.1153179	-1.793229
INTS3	-0.295175	7.7604475	-2.082972	0.0496655	0.3310281	-4.323416
CC2D2A	-0.29566	5.85384	-2.652878	0.0148836	0.2187842	-3.254839
LOC101929717	-0.29591	3.504405	-2.530151	0.0194666	0.2412514	-3.496729
CDK5RAP2	-0.295983	8.0408817	-2.523915	0.0197317	0.2420324	-3.508865
TBC1D13	-0.296085	8.4378525	-2.152041	0.0431822	0.3126357	-4.202025
FAM186A	-0.29643	2.699	-2.69396	0.0135918	0.2139002	-3.172637
LIPE	-0.29654	5.560975	-2.169204	0.0416948	0.310758	-4.171475
CMTM5	-0.29664	4.92456	-2.241082	0.035958	0.2953057	-4.041919

CDK4	-0.29705	10.549105	-2.74125	0.0122363	0.2078785	-3.077288
SBF2	-0.297063	8.460985	-2.765273	0.0115979	0.2041515	-3.028565
CALR	-0.29717	10.148422	-2.522741	0.0197819	0.2420562	-3.511148
TINAGL1	-0.29804	8.80636	-2.761344	0.0117001	0.2044466	-3.036549
PCYT2	-0.29846	6.41769	-2.25859	0.0346745	0.2916388	-4.009977
DAGLA	-0.29848	6.50833	-3.276532	0.0036023	0.1260001	-1.953171
MSRB2	-0.298557	6.7682017	-2.327944	0.0299921	0.2786912	-3.882015
C1QTNF1-AS1	-0.29975	3.899965	-2.680762	0.0139948	0.2148242	-3.199109
IFRD2	-0.29994	8.48297	-2.817348	0.010321	0.1919892	-2.92231
SLC25A5-AS1	-0.299945	5.7425475	-2.256417	0.0348316	0.2923393	-4.013951
ASS1	-0.30043	11.245465	-2.313288	0.0309302	0.282035	-3.909244
NFATC1	-0.300557	6.8269138	-2.11252	0.0467916	0.3225795	-4.271793
CA5BP1	-0.30072	7.02161	-2.417961	0.024783	0.2603229	-3.712656
TANGO2	-0.3009	9.68334	-3.324702	0.0032191	0.1193286	-1.848742
OAF	-0.300995	6.6005525	-2.121962	0.0459053	0.3192804	-4.255199
CDKN1C	-0.301222	7.6559188	-2.245321	0.0356434	0.2941844	-4.0342
GRM6	-0.30151	2.970715	-2.551421	0.0185875	0.2384562	-3.455218
EXOC7	-0.302	7.193476	-2.459005	0.0226981	0.2529674	-3.634264
KCNMA1	-0.30227	5.93054	-2.25308	0.0350739	0.2931667	-4.020046
GDI1	-0.30228	9.47655	-2.349229	0.0286764	0.2740492	-3.842297
ZNF426	-0.3024	7.56726	-3.019665	0.0065226	0.1619721	-2.501847
NFATC2	-0.30242	7.80287	-3.899617	0.0008259	0.0568997	-0.576691
BANCR	-0.30248	4.39989	-2.28736	0.0326562	0.2860494	-3.95717
ARHGAP36	-0.30255	3.365425	-2.746502	0.0120939	0.2070846	-3.066653
FSTL4	-0.302557	4.4743983	-2.625775	0.0157984	0.2244189	-3.308743
ASH1L	-0.302797	8.7045717	-3.153091	0.0047982	0.1395866	-2.218681
HMGCLL1	-0.302833	3.2749367	-2.506462	0.0204915	0.2441394	-3.54275
TEX43	-0.30319	2.619995	-2.441733	0.0235547	0.2569175	-3.667341
LOC101927531	-0.30332	2.8963	-2.458415	0.0227268	0.2530253	-3.635396
GPR31	-0.30358	4.5548	-3.046242	0.0061372	0.1577689	-2.445787
USP13	-0.303623	7.5474717	-2.54722	0.0187581	0.2392948	-3.463431
LURAP1	-0.30402	6.71343	-2.31362	0.0309087	0.2819678	-3.908629
LINC00857	-0.30441	5.473365	-2.807148	0.0105601	0.1950178	-2.943191
ASTN2	-0.30516	5.12189	-2.680955	0.0139888	0.2148242	-3.198724
ZNF444	-0.30562	8.16821	-2.229696	0.0368159	0.2985469	-4.062613
HADH	-0.306017	10.261402	-2.409648	0.0252263	0.2617224	-3.728446
LINC01209	-0.30611	3.326935	-2.558627	0.0182982	0.2362258	-3.441115
LOC101929076	-0.30621	6.007275	-2.875419	0.0090554	0.1797951	-2.802826
LOC100507562	-0.30663	4.094865	-2.980506	0.0071332	0.1657976	-2.584114
LOC101928306	-0.30676	4.01714	-2.255896	0.0348693	0.292536	-4.014903
C2orf81	-0.30726	6.74553	-2.352623	0.0284715	0.2733852	-3.835943
PCED1B	-0.30768	5.83636	-2.174002	0.0412873	0.3097383	-4.162907
THTPA	-0.30771	7.385975	-2.380126	0.026861	0.2687675	-3.784277
IRAK3	-0.30774	6.7738467	-2.125605	0.0455674	0.3186185	-4.248784
TSGA10IP	-0.30824	6.55686	-3.277606	0.0035933	0.1259001	-1.950847
TGM2	-0.308595	4.389505	-2.180448	0.0407457	0.3087919	-4.151379
LSAMP-AS1	-0.30879	5.571325	-2.714188	0.0129954	0.2115453	-3.131945
DZIP3	-0.309067	6.7482067	-2.748493	0.0120404	0.2066146	-3.06262
MLXIPL	-0.30933	5.986195	-2.443268	0.0234774	0.2563942	-3.664406
NEU1	-0.30972	9.01291	-2.501491	0.0207129	0.2449867	-3.55238
SV2C	-0.309725	3.6238825	-2.394793	0.026037	0.265535	-3.756586
ARSA	-0.30987	6.48589	-2.328741	0.0299419	0.2785146	-3.880531
C14orf23	-0.31026	3.95044	-2.19816	0.0392904	0.3055723	-4.119594
OSBPL9	-0.31047	10.035565	-3.88974	0.0008456	0.0578747	-0.598831
PIRT	-0.31102	3.07021	-2.342026	0.0291155	0.2758158	-3.85576
TCF20	-0.31154	7.829205	-2.209481	0.0383852	0.3038602	-4.099195
DENND5A	-0.31156	10.89414	-2.156626	0.0427801	0.3124871	-4.193877
HMGCL	-0.31211	8.977035	-2.173671	0.0413153	0.3097383	-4.163498
FBXL2	-0.31231	6.197205	-2.57783	0.0175478	0.2333087	-3.403433

GABRB1	-0.312425	2.9516675	-3.766893	0.0011331	0.066662	-0.87358
EPX	-0.31262	3.22543	-2.826095	0.0101201	0.1894578	-2.904377
NXN	-0.31264	10.88281	-3.555418	0.0018712	0.0890416	-1.343179
ZNF214	-0.312863	4.7775717	-2.108742	0.0471505	0.3226731	-4.278419
LOC1511174	-0.31306	5.19061	-2.752549	0.011932	0.2056952	-3.054396
RARB	-0.313138	5.010589	-2.525778	0.0196521	0.2415149	-3.505242
PDE11A	-0.313698	3.8120538	-2.995234	0.0068973	0.1634772	-2.553221
FLJ37201	-0.31384	3.48282	-2.101921	0.0478047	0.3245898	-4.290363
TRO	-0.314185	5.8834875	-2.733617	0.012446	0.2088473	-3.09273
ETS1	-0.314237	8.217905	-2.732017	0.0124904	0.2089776	-3.095965
RPGRIP1L	-0.31539	4.617565	-2.539365	0.0190811	0.2404439	-3.478768
AOAH	-0.3154	6.63934	-2.113172	0.0467299	0.3225145	-4.270649
ZNF35	-0.31553	7.651805	-2.536138	0.0192153	0.2406266	-3.485063
TEF	-0.31573	6.1750583	-3.859913	0.0009079	0.0596406	-0.665647
KAT6B	-0.316056	7.438252	-2.771442	0.0114391	0.2030066	-3.016023
EXT2	-0.31617	9.49734	-3.120614	0.005172	0.1451705	-2.287993
PTH1R	-0.3167	7.31799	-2.409354	0.0252422	0.2617224	-3.729004
ATP10A	-0.316777	6.7916083	-4.306055	0.0003126	0.034209	0.3380824
MMP17	-0.3168	6.0946	-3.560881	0.0018472	0.0887572	-1.331114
PLD3	-0.31688	8.90836	-2.297874	0.0319459	0.2854238	-3.937773
STXBP1	-0.31708	7.84937	-3.266125	0.0036907	0.1269239	-1.975674
CCRN4L	-0.317155	6.9911825	-2.217616	0.0377465	0.3027711	-4.084498
CASK	-0.318272	7.65724	-2.763543	0.0116428	0.2041515	-3.032081
USP51	-0.31898	6.223945	-2.59646	0.0168474	0.2301873	-3.366741
MAGEH1	-0.31956	9.85765	-3.205922	0.0042454	0.1334313	-2.105433
LINC00605	-0.31988	3.46084	-2.572176	0.0177656	0.233853	-3.414542
ALDH6A1	-0.31992	7.269782	-2.721129	0.0127966	0.2101817	-3.11795
LOC100506526	-0.32021	4.158675	-2.947411	0.0076917	0.1685103	-2.653325
DHDDS	-0.320665	8.5918525	-2.741045	0.0122419	0.2078785	-3.077704
ACSF2	-0.3212	8.37376	-2.159936	0.0424921	0.3123443	-4.18799
MFGE8	-0.32132	9.66989	-2.276891	0.0333778	0.2877404	-3.976431
RGAG1	-0.32136	3.07766	-3.42379	0.0025519	0.1057018	-1.632635
HOGA1	-0.32155	6.735685	-2.15141	0.0432378	0.3127366	-4.203146
LMNTD1	-0.32189	3.463025	-2.582159	0.0173826	0.232929	-3.394918
C2orf73	-0.32207	5.081795	-3.296434	0.0034389	0.1236041	-1.910077
FXYD5	-0.32301	9.17539	-2.658668	0.0146947	0.2179193	-3.24329
MAP1S	-0.32337	7.029965	-2.143629	0.0439287	0.3149945	-4.216944
TTYH2	-0.32338	5.869365	-4.617694	0.0001485	0.0220262	1.0404975
LINC01243	-0.32372	2.74318	-3.429927	0.0025153	0.1046106	-1.619196
GRPR	-0.32413	3.639265	-3.313103	0.0033076	0.1208765	-1.873928
RFX1	-0.324245	5.4781825	-2.790893	0.0109519	0.1991988	-2.976398
TPM1	-0.324287	8.69254	-2.131308	0.045043	0.31727	-4.238727
QRICH2	-0.32517	5.221075	-4.165759	0.0004373	0.0403034	0.0217533
C11orf24	-0.32548	8.61408	-2.098783	0.0481085	0.3254526	-4.29585
SHMT1	-0.325685	7.3793125	-3.231292	0.0040024	0.1295845	-2.050842
ANKRD7	-0.32579	2.986375	-2.313653	0.0309065	0.2819678	-3.908566
CPB2	-0.32615	3.092585	-2.50034	0.0207645	0.2450171	-3.554609
LOC102725438	-0.32687	3.233325	-3.000452	0.0068156	0.1633975	-2.542261
TMEM17	-0.32694	8.2	-2.339077	0.0292971	0.2767673	-3.861266
TACR2	-0.32718	5.29211	-2.579858	0.0174702	0.2331868	-3.399445
SCNN1G	-0.327335	5.2154575	-2.396499	0.0259427	0.2654193	-3.753359
PRKD1	-0.32759	4.9503	-2.585315	0.0172631	0.2320884	-3.388707
BPIFB4	-0.32807	4.051915	-3.630128	0.0015679	0.0816348	-1.177851
RHOJ	-0.328733	7.7979564	-2.181449	0.0406622	0.3087307	-4.149587
AMER2	-0.328923	3.4308983	-2.615519	0.0161582	0.2265224	-3.329069
SLITRK2	-0.32921	4.718955	-2.951321	0.0076236	0.1682831	-2.645165
FAM114A1	-0.32971	10.24409	-2.65569	0.0147916	0.2179193	-3.249232
SPRY1	-0.329755	8.7499075	-2.623393	0.0158813	0.224577	-3.313468
PLCE1	-0.33076	4.525938	-2.78051	0.0112095	0.2013769	-2.997565

SLC13A4	-0.33106	7.50908	-2.211929	0.0381919	0.3036066	-4.094775
LINC01153	-0.33141	3.062455	-2.919878	0.0081882	0.1733536	-2.710675
OSCP1	-0.3315	7.90838	-2.110775	0.046957	0.3226287	-4.274854
OR7C1	-0.33158	5.007	-2.639852	0.0153168	0.221337	-3.28078
RNASE2	-0.33172	3.04316	-2.909547	0.0083823	0.1741234	-2.732139
A4GALT	-0.33178	7.88005	-2.825036	0.0101442	0.1895629	-2.906551
ETHE1	-0.33188	8.19912	-2.292993	0.0322739	0.2857527	-3.946784
SLC25A23	-0.33262	8.631075	-2.874276	0.0090788	0.1797951	-2.805188
KLHL5	-0.333498	6.7634863	-2.625448	0.0158097	0.2244189	-3.309391
CHID1	-0.33403	9.433825	-2.414858	0.0249476	0.260714	-3.718553
LINC01220	-0.33415	4.308825	-2.309954	0.0311474	0.2828981	-3.915424
DAOA-AS1	-0.33415	2.047785	-2.721055	0.0127987	0.2101817	-3.118099
LOC101928778	-0.3357	3.89943	-3.859231	0.0009094	0.0596406	-0.667173
NDUFAF3	-0.33583	8.450565	-2.715633	0.0129538	0.2110354	-3.129033
ZDHHC14	-0.336777	5.7941813	-3.69471	0.0013452	0.0737937	-1.034411
SERPINB11	-0.33681	3.512745	-2.403798	0.0255427	0.2629052	-3.739539
ZNF408	-0.33698	8.20232	-2.145218	0.0437867	0.3144834	-4.214127
DHRX	-0.337365	6.7666625	-2.529616	0.0194892	0.2412514	-3.497771
KRT84	-0.33821	4.209105	-2.133855	0.0448106	0.3166142	-4.234231
CNR1	-0.338227	4.1296988	-4.373547	0.000266	0.0309345	0.4903068
WFIKN2	-0.33856	5.4264	-3.080563	0.0056719	0.1523306	-2.373133
RFC1	-0.339195	9.0856425	-2.326117	0.0301076	0.2788871	-3.885414
TRIM35	-0.33978	10.09605	-2.950837	0.007632	0.1682831	-2.646175
HERC2	-0.33983	10.393595	-4.179429	0.0004232	0.0397227	0.0525625
KLF9	-0.339934	7.386739	-2.977696	0.007179	0.1657976	-2.590002
SCARB1	-0.340954	6.172761	-4.59377	0.0001573	0.0225032	0.9866491
TCF7L1	-0.34165	8.721425	-2.232934	0.0365701	0.2976126	-4.056734
KIAA1211	-0.34176	4.28225	-2.57591	0.0176214	0.2333881	-3.407206
PXDNL	-0.34248	2.9058	-2.365	0.027736	0.2712877	-3.812734
CBS	-0.343057	6.028545	-3.189676	0.0044084	0.134635	-2.140323
SIMC1	-0.34353	8.537325	-2.33827	0.029347	0.2768902	-3.862772
BBS9	-0.34415	5.580229	-2.350984	0.0285703	0.2738196	-3.839012
RASSF6	-0.344213	7.3772567	-2.209128	0.0384131	0.3038602	-4.099832
ANKS4B	-0.34432	4.13801	-3.21917	0.0041168	0.1312108	-2.076943
LAMC3	-0.34438	5.990665	-2.647032	0.0150766	0.2200571	-3.266489
ADIRF	-0.34464	12.9404	-2.712568	0.0130423	0.2116333	-3.135209
NAA60	-0.34466	8.73574	-2.199074	0.0392166	0.3055287	-4.117949
PRCD	-0.344835	4.9074525	-3.793106	0.0010646	0.0645889	-0.815056
RNF144A	-0.34505	6.955475	-4.512776	0.0001908	0.0248647	0.804216
SAMD12	-0.34506	5.298355	-2.927381	0.00805	0.1721198	-2.695068
MOK	-0.34565	7.492735	-2.387526	0.0264423	0.2672716	-3.770317
SLC22A16	-0.34565	3.532295	-2.223202	0.0373136	0.3003758	-4.074387
RFTN2	-0.34597	6.62943	-2.50181	0.0206986	0.2449593	-3.551762
SRBD1	-0.34615	7.765125	-4.221057	0.0003831	0.0380605	0.1464026
FAM168A	-0.34651	8.502315	-3.293648	0.0034613	0.1236041	-1.916115
FLNA	-0.34684	10.01879	-2.57074	0.0178214	0.2340384	-3.417362
EPHA5-AS1	-0.34699	3.983855	-4.210649	0.0003928	0.0380605	0.122937
CLIP3	-0.3479	6.59295	-2.849279	0.0096056	0.1843798	-2.856736
BAG3	-0.34791	9.870345	-2.357553	0.0281764	0.272321	-3.826707
GCNT2	-0.348055	6.6673575	-2.607844	0.0164325	0.2279634	-3.344256
TGFB111	-0.3481	9.45676	-2.560448	0.0182257	0.2360349	-3.437546
PP14571	-0.34911	5.031635	-2.197799	0.0393196	0.3056828	-4.120243
ASB9	-0.34998	7.48048	-2.201444	0.0390259	0.3053096	-4.113683
SCN4A	-0.35018	4.01415	-2.959011	0.0074913	0.167711	-2.6291
MBD5	-0.350467	6.1526533	-2.177142	0.0410227	0.3092876	-4.157295
AIF1L	-0.35094	9.191195	-3.210524	0.0042003	0.1328961	-2.095542
GLUL	-0.351092	8.8793163	-2.723591	0.0127267	0.21011	-3.112982
CES2	-0.35148	9.4533233	-2.206432	0.0386271	0.3041947	-4.104694
CPAMD8	-0.35253	5.891585	-2.418722	0.0247427	0.2603013	-3.711209

CAPG	-0.3527	11.25736	-2.187366	0.0401715	0.3079322	-4.138982
THEMIS2	-0.35325	7.598855	-2.128069	0.0453402	0.3181011	-4.24444
C19orf12	-0.35344	7.78675	-4.275021	0.0003367	0.0360726	0.2680886
PXDC1	-0.353775	10.210313	-2.548903	0.0186896	0.2388674	-3.460142
LOC100505635	-0.35418	3.61506	-2.873841	0.0090877	0.1797951	-2.806085
PFN2	-0.35453	11.240905	-2.385669	0.0265468	0.2675862	-3.773823
P4HA3	-0.35486	4.42173	-2.489434	0.0212591	0.2466012	-3.575693
TMEM117	-0.35496	9.65518	-2.451341	0.0230746	0.2545192	-3.648957
CADM3	-0.355245	6.97275	-2.389611	0.0263254	0.2670651	-3.766381
CTSF	-0.35657	9.397645	-2.419238	0.0247155	0.2601526	-3.710228
ANKS1B	-0.357524	4.248168	-3.920683	0.0007854	0.0556488	-0.529453
MRPL41	-0.358066	10.704827	-2.284494	0.0328523	0.2862966	-3.962448
ACE	-0.358115	5.8999225	-2.10218	0.0477798	0.3245898	-4.289911
NTNG2	-0.35823	7.679285	-2.191144	0.0398611	0.3071686	-4.132203
CTSB	-0.358814	10.577613	-3.161045	0.0047107	0.1390325	-2.20167
TRIM2	-0.359063	6.8613967	-2.167821	0.0418129	0.310758	-4.173942
TIE1	-0.360105	5.5675975	-3.175948	0.0045509	0.1371636	-2.169759
LGI4	-0.36014	6.293475	-2.578643	0.0175166	0.2332458	-3.401834
A2MP1	-0.36025	6.117645	-2.217708	0.0377393	0.3027711	-4.084331
CPNE2	-0.36064	8.27365	-2.218977	0.0376406	0.3022767	-4.082035
CIB2	-0.360707	6.50898	-2.332096	0.0297312	0.2779167	-3.874284
RAPGEF3	-0.360985	5.6615825	-3.029511	0.0063772	0.1599133	-2.481098
GNG7	-0.36124	5.9457533	-3.391798	0.002751	0.1088782	-1.702588
MAP6	-0.361453	6.1254538	-2.344408	0.0289696	0.2750704	-3.851311
TSPAN10	-0.36175	5.372605	-2.671906	0.0142715	0.2169559	-3.216839
LOC400692	-0.36309	2.932875	-2.213296	0.0380845	0.3036066	-4.092307
RET	-0.36335	5.8064817	-2.234856	0.0364249	0.2972414	-4.053243
ZNF441	-0.363465	5.6243625	-2.451683	0.0230576	0.2545192	-3.648302
LOC401134	-0.3636	3.12197	-2.133536	0.0448397	0.3166227	-4.234794
PET112	-0.36376	9.76156	-2.382863	0.0267054	0.268369	-3.779117
ANKRD65	-0.36467	6.83415	-2.457632	0.0227651	0.2530253	-3.636898
LOC100507156	-0.3653	3.89861	-2.727261	0.0126233	0.2093174	-3.105572
IQCH-AS1	-0.36572	8.35964	-2.565853	0.0180123	0.2349065	-3.426951
TMTC1	-0.366105	6.9903525	-2.113136	0.0467332	0.3225145	-4.270711
LAMB2	-0.36684	9.87243	-2.371251	0.0273713	0.2704467	-3.800986
C8B	-0.36732	3.5925	-3.445349	0.0024257	0.1021302	-1.585402
KLHL29	-0.367748	5.9167288	-2.94285	0.007772	0.1692469	-2.66284
ADCY2	-0.36795	5.6740317	-4.343001	0.0002862	0.0321772	0.4214121
FAM171A1	-0.36831	9.907985	-2.581393	0.0174117	0.23305	-3.396426
C12orf80	-0.36835	4.01047	-2.361677	0.0279318	0.2713197	-3.818972
SFRP5	-0.36994	6.0388	-2.636687	0.0154239	0.2216315	-3.287072
PRKCE	-0.370197	5.3302783	-2.787444	0.0110369	0.1998272	-2.983434
UPP1	-0.37123	8.001265	-2.277196	0.0333566	0.2877404	-3.975871
ZNF280A	-0.37545	2.614245	-3.812393	0.0010168	0.0631181	-0.771958
CLTCL1	-0.37791	6.938595	-2.094976	0.0484794	0.3268559	-4.302501
DKK2	-0.378095	6.1475225	-2.410884	0.02516	0.2615264	-3.726101
SEMA6D	-0.378172	5.573532	-3.49763	0.0021447	0.0960274	-1.470564
ADAMTS1	-0.3782	7.007825	-2.244816	0.0356808	0.2942764	-4.035121
HYAL2	-0.37824	9.21213	-2.229003	0.0368687	0.2985469	-4.06387
PGLYRP4	-0.37846	7.30986	-2.159214	0.0425548	0.3123443	-4.189275
ZMAT4	-0.37859	4.566665	-2.384233	0.0266279	0.2681396	-3.776533
CTAGE11P	-0.37878	3.70721	-2.762756	0.0116632	0.2041515	-3.03368
MEGF6	-0.380285	9.2015925	-2.324331	0.0302209	0.2793047	-3.888737
MDGA2	-0.38034	2.89677	-3.815189	0.00101	0.0630389	-0.765709
CSPG5	-0.38044	6.60155	-2.508883	0.0203845	0.2439197	-3.538058
RIIAD1	-0.38079	4.545735	-2.995359	0.0068954	0.1634772	-2.552958
CRY2	-0.38084	9.37432	-2.992887	0.0069344	0.1638473	-2.558146
ATP6V1E2	-0.38293	7.933055	-2.118318	0.0462455	0.3205543	-4.261609
ANGPTL2	-0.38324	8.89382	-2.117834	0.0462909	0.320709	-4.262459

CNTFR	-0.38484	6.41507	-2.780532	0.0112089	0.2013769	-2.99752
ARHGEF25	-0.38622	7.02846	-2.839058	0.0098292	0.1876176	-2.87776
CAND2	-0.386535	6.5899275	-3.313032	0.0033081	0.1208765	-1.874083
GABBR1	-0.387335	7.7692125	-4.216011	0.0003877	0.0380605	0.1350264
LHPP	-0.38767	8.249315	-2.942241	0.0077827	0.1692469	-2.664111
C16orf58	-0.387717	6.500115	-2.251647	0.0351784	0.2932771	-4.022663
FILIP1L	-0.387883	7.1487183	-3.239275	0.0039288	0.1292461	-2.033637
FAM228B	-0.3883	8.57137	-2.814001	0.0103988	0.1929113	-2.929164
AMOT	-0.38842	5.43367	-2.287812	0.0326254	0.2860494	-3.956338
PLEKHM3	-0.388855	8.2035425	-2.194615	0.0395779	0.3064941	-4.125968
HSD17B14	-0.390198	6.3561163	-2.417177	0.0248245	0.260544	-3.714146
SHROOM4	-0.390295	7.1973175	-2.905332	0.0084628	0.1745115	-2.740887
LPP-AS2	-0.39116	5.42205	-2.266072	0.0341389	0.2903793	-3.996282
PDZRN3	-0.391985	7.5278075	-2.618261	0.0160612	0.2260282	-3.323638
ZNF536	-0.392433	5.0205267	-2.485139	0.021457	0.2472716	-3.583984
ALLC	-0.39336	4.01573	-2.835566	0.0099068	0.188395	-2.884936
GPR153	-0.394615	9.3321825	-2.144928	0.0438126	0.3145591	-4.214642
SLC9A2	-0.39487	5.740475	-3.699751	0.0013292	0.0737059	-1.023195
NCKAP5	-0.39494	7.67788	-2.795529	0.0108388	0.1984102	-2.966935
LOC730101	-0.39542	6.18785	-2.083947	0.0495683	0.3309088	-4.321721
MYO1A	-0.39651	5.408365	-2.266229	0.0341278	0.2903793	-3.995995
SYTL5	-0.39685	4.15342	-2.466532	0.0223339	0.2515118	-3.619812
FBXL7	-0.39707	7.788615	-2.210345	0.0383169	0.3038602	-4.097635
AHSP	-0.39747	4.308915	-2.407807	0.0253255	0.2617224	-3.731938
IRX5	-0.40094	7.93751	-3.521526	0.0020271	0.0934211	-1.417945
LOC101929760	-0.40106	4.46562	-2.16469	0.0420814	0.3116428	-4.179524
CYGB	-0.402353	6.5833667	-4.522357	0.0001865	0.0246162	0.8258053
HSPB7	-0.40285	5.52274	-2.182678	0.0405598	0.3085815	-4.147385
SEMA5A	-0.402943	7.7477483	-2.964832	0.0073927	0.1668023	-2.61693
ECM2	-0.40346	8.27726	-2.32853	0.0299552	0.2785146	-3.880925
NES	-0.404665	6.4618375	-3.317175	0.0032762	0.1205729	-1.865088
DAAM2	-0.40469	9.270205	-2.982245	0.0071049	0.1654708	-2.58047
ZBED3	-0.40537	6.414025	-2.786859	0.0110513	0.1998272	-2.984625
CHPF	-0.40546	7.53272	-2.081038	0.0498591	0.3315619	-4.326778
RAB3IL1	-0.40727	6.911735	-2.393148	0.0261282	0.2658559	-3.759698
ENPP2	-0.40735	10.304395	-2.897013	0.0086238	0.1761071	-2.758138
ATP8A2	-0.407623	4.6332683	-2.429454	0.0241819	0.2592064	-3.690778
PLAG1	-0.40886	6.77021	-2.239418	0.0360823	0.2955628	-4.044948
CRELD2	-0.40919	9.802725	-2.129556	0.0452035	0.3178138	-4.241818
DDX25	-0.40929	4.852385	-2.784844	0.0111013	0.2003125	-2.988734
FEZ1	-0.409365	7.3111075	-2.211105	0.0382569	0.3038602	-4.096264
SNCA	-0.412206	8.656159	-4.16065	0.0004426	0.0405089	0.0102408
INPP4B	-0.412488	5.4719463	-2.702642	0.0133327	0.2133336	-3.155189
CLDN5	-0.41251	8.959755	-2.295627	0.0320965	0.2854238	-3.941923
FGF14-AS2	-0.41285	7.36601	-2.99489	0.0069028	0.1634772	-2.553943
DZIP1	-0.413485	7.2221225	-2.112095	0.0468318	0.3225795	-4.272539
KCNA2	-0.414305	3.8006525	-2.953767	0.0075813	0.1682831	-2.640055
ABAT	-0.414383	6.7362083	-2.543142	0.0189252	0.2403768	-3.471397
RAP1GAP	-0.41512	6.15393	-2.408923	0.0252653	0.2617224	-3.72982
GPRC5B	-0.415878	7.1767513	-3.049589	0.0060902	0.1573465	-2.438714
LINC01137	-0.41589	7.038995	-2.098111	0.0481737	0.3257538	-4.297024
NHS	-0.41748	8.43718	-3.253271	0.0038029	0.1275653	-2.003441
BIN1	-0.41758	8.683082	-2.396865	0.0259225	0.2653455	-3.752667
DCHS1	-0.41768	7.750315	-2.095573	0.048421	0.3266702	-4.301457
SOX1	-0.41829	5.142165	-3.653884	0.001482	0.0795942	-1.12514
ZNF671	-0.41902	6.65694	-2.726407	0.0126473	0.2095458	-3.107298
B4GALT2	-0.4196	8.27473	-2.618934	0.0160375	0.2258502	-3.322306
SCN7A	-0.41961	6.34365	-2.267126	0.0340641	0.290304	-3.994351
ABHD3	-0.42072	8.5711	-3.240943	0.0039136	0.1291608	-2.03004

WNT10B	-0.4208	6.5174	-2.803081	0.0106568	0.1960969	-2.951506
SEMA3C	-0.421425	9.9188325	-2.527951	0.0195598	0.2414203	-3.501013
MRC2	-0.421465	9.1220375	-2.579097	0.0174992	0.2332458	-3.40094
BEST1	-0.421773	5.8641467	-4.881186	7.94E-05	0.0135426	1.6319625
BHLHE41	-0.422135	5.262485	-5.297025	2.98E-05	0.0072689	2.5562243
LBX2-AS1	-0.42342	6.59015	-2.729818	0.0125517	0.2091864	-3.100407
GABBR2	-0.424248	4.6634088	-2.660008	0.0146514	0.2179193	-3.240616
C11orf65	-0.4263	3.15713	-2.420578	0.0246449	0.2601021	-3.707679
GNAZ	-0.42648	8.54294	-2.364679	0.0277549	0.2713197	-3.813338
PKDCC	-0.42821	8.181025	-2.285843	0.0327599	0.2861319	-3.959965
CPNE4	-0.42849	4.35427	-2.578549	0.0175202	0.2332458	-3.402019
DLG5-AS1	-0.428825	5.0989375	-2.290022	0.032475	0.2859312	-3.952264
FOLR3	-0.42987	5.782445	-2.377703	0.0269994	0.2690999	-3.788842
GREB1	-0.429993	4.7652133	-2.448971	0.0231921	0.2550014	-3.653495
SLC24A2	-0.430295	2.8827775	-2.220219	0.0375442	0.301858	-4.079788
LIMS2	-0.43075	7.455495	-2.701616	0.0133631	0.2133336	-3.157253
GPX8	-0.43084	9.723875	-2.602421	0.0166289	0.2288794	-3.354973
CLEC4E	-0.432705	4.7021275	-4.373502	0.0002661	0.0309345	0.4902066
MYH11	-0.432734	8.2943643	-2.938442	0.0078502	0.1694424	-2.672031
CHADL	-0.43345	6.812905	-3.255072	0.003787	0.1274495	-1.999553
PTPRM	-0.433825	9.4482925	-2.473874	0.021984	0.2498385	-3.605692
FAH	-0.434615	6.9519975	-2.229148	0.0368577	0.2985469	-4.063607
FAM65B	-0.43562	6.4833	-2.425111	0.0244074	0.2595886	-3.699052
TBC1D16	-0.43643	7.376131	-4.363961	0.0002722	0.0309557	0.4686883
PIR	-0.43663	9.176635	-2.204803	0.0387569	0.3044316	-4.107632
FHIT	-0.43668	7.02544	-2.333577	0.0296386	0.2778612	-3.871524
PKP2	-0.43744	6.01115	-2.728933	0.0125764	0.2091864	-3.102195
IL33	-0.43832	10.07722	-2.644278	0.0151683	0.2202796	-3.271973
OR7E156P	-0.43906	6.38917	-3.127002	0.0050963	0.1443135	-2.274378
TRNP1	-0.439475	7.4729325	-2.862347	0.0093266	0.181687	-2.82981
PLXNC1	-0.43955	6.5556275	-3.381891	0.0028156	0.110388	-1.724218
ELFN2	-0.439687	4.8721367	-4.011392	0.0006324	0.0497726	-0.325745
SH3TC2	-0.440643	3.8329183	-2.790918	0.0109513	0.1991988	-2.976347
SLIT2	-0.44117	9.1700183	-2.335099	0.0295437	0.2776866	-3.868686
LOC100505549	-0.44138	6.799515	-2.875061	0.0090627	0.1797951	-2.803565
RNF157	-0.441585	4.0215825	-2.558806	0.0182911	0.2362258	-3.440764
ADIRF-AS1	-0.44186	8.07501	-2.585982	0.017238	0.2320884	-3.387393
WDR17	-0.44258	3.10094	-2.161224	0.0423805	0.3123443	-4.185698
SOX5	-0.443123	5.3189538	-2.533651	0.0193193	0.2407665	-3.48991
CD163L1	-0.44341	8.254175	-2.262594	0.0343869	0.2911151	-4.002651
FBXO32	-0.444251	6.9693057	-2.711843	0.0130633	0.2116395	-3.13667
C15orf56	-0.44466	4.83081	-2.733032	0.0124623	0.2088473	-3.093912
SLC5A2	-0.44483	6.637045	-2.663278	0.014546	0.2178096	-3.234087
SFTPC	-0.446568	6.492262	-7.207787	4.21E-07	0.0002459	6.5435874
PLA2G4C	-0.44704	6.229635	-3.091041	0.0055368	0.150632	-2.350896
SEC14L5	-0.44723	6.340105	-2.60722	0.016455	0.2279634	-3.345491
CARD16	-0.447295	5.2425525	-3.224798	0.0040633	0.1309087	-2.064828
LOC100132057	-0.447955	5.4435225	-4.210152	0.0003932	0.0380605	0.1218172
DUSP9	-0.44805	6.104285	-4.081246	0.0005352	0.0454402	-0.1686
PTPRT	-0.44858	5.11476	-2.435967	0.0238473	0.2579817	-3.678353
ADRB1	-0.450127	5.1986767	-2.601366	0.0166674	0.2291861	-3.357057
GRIP1	-0.45038	7.270825	-2.472683	0.0220404	0.249856	-3.607983
PVRL3	-0.45074	7.16629	-2.109486	0.0470796	0.3226287	-4.277115
NOV	-0.45092	8.96189	-2.372616	0.0272922	0.2703062	-3.798418
LRFN5	-0.45169	6.942255	-2.138861	0.0443568	0.315495	-4.225382
PKD1L2	-0.45189	4.657145	-2.446657	0.0233075	0.2557028	-3.657924
LOC101928135	-0.45303	4.076745	-2.478864	0.0217491	0.2483959	-3.596083
AP2B1	-0.453675	8.5835875	-5.411973	2.28E-05	0.0059874	2.8090703
C1QTNF1	-0.453845	6.7339075	-2.698567	0.0134537	0.2134632	-3.163382

ATP1A1	-0.45396	11.8756	-2.483991	0.0215101	0.2474087	-3.586199
SLC29A4	-0.454845	6.9657975	-2.271544	0.033752	0.2893549	-3.986249
TSPYL5	-0.45586	10.19126	-2.645756	0.015119	0.2200571	-3.269031
KCNAB2	-0.456425	6.6223675	-4.576174	0.000164	0.0228288	0.9470297
IGSF1	-0.456655	4.4440125	-3.059192	0.0059575	0.1562841	-2.418407
CYB561A3	-0.45683	10.380285	-3.792429	0.0010663	0.0645889	-0.816569
HCG4B	-0.45708	4.20152	-2.424603	0.024434	0.2595886	-3.70002
LOC729680	-0.45746	7.35049	-2.457117	0.0227903	0.2531207	-3.637886
LOC102723493	-0.45896	3.49867	-2.526069	0.0196398	0.2415077	-3.504676
TUSC5	-0.46031	6.624645	-2.53677	0.019189	0.2404439	-3.483831
PDGFRB	-0.46151	10.554935	-2.152039	0.0431823	0.3126357	-4.202028
SLC22A18	-0.46302	7.88887	-2.737755	0.0123319	0.2084999	-3.084362
GPX7	-0.46317	8.194995	-2.610433	0.0163395	0.2278817	-3.339136
ALPK3	-0.463695	4.8813925	-2.619778	0.0160079	0.2255872	-3.320633
OLFML2B	-0.4638	8.00516	-2.161325	0.0423717	0.3123443	-4.185518
LEF1	-0.464253	6.4166533	-4.923684	7.18E-05	0.0127787	1.7270069
RASD1	-0.46468	6.84776	-2.303273	0.0315867	0.2844828	-3.927793
SP4	-0.465685	6.7395625	-3.183625	0.0044707	0.1353247	-2.153302
OSR2	-0.46585	9.206415	-2.782573	0.0111578	0.201137	-2.993362
EXTL1	-0.467	6.0803	-2.292348	0.0323174	0.2857527	-3.947974
LOC100131262	-0.46779	9.281595	-3.51106	0.0020778	0.0946909	-1.441001
KCNS1	-0.46809	6.970395	-2.564593	0.0180619	0.235113	-3.429423
ACTN1	-0.468682	8.4332413	-2.951634	0.0076182	0.1682831	-2.64451
KIF1A	-0.468857	5.0291417	-5.561627	1.61E-05	0.0046486	3.1362362
PTN	-0.470522	7.8835288	-2.85135	0.0095608	0.1840393	-2.852473
NAT8L	-0.47153	5.36133	-3.104	0.005374	0.1485242	-2.323356
ABCC2	-0.47187	5.388485	-4.213017	0.0003905	0.0380605	0.1282748
LOC100996251	-0.47234	5.63087	-2.469134	0.0222093	0.2509372	-3.614811
RRAS	-0.47243	8.938035	-3.450352	0.0023973	0.101562	-1.57443
DBP	-0.472455	6.8841475	-3.157997	0.004744	0.1390904	-2.208191
EPB42	-0.4726	3.61106	-2.159922	0.0424933	0.3123443	-4.188016
DIP2C	-0.473923	9.0336317	-2.974248	0.0072357	0.1657976	-2.597225
CRABP2	-0.47405	11.589455	-4.245279	0.0003615	0.0371747	0.2010183
MCHR1	-0.475127	4.9415467	-2.801842	0.0106865	0.1962763	-2.954039
DDIT3	-0.47576	8.03039	-3.409552	0.0026387	0.1072026	-1.663788
PLBD2	-0.476295	8.6702925	-2.68978	0.0137182	0.2139002	-3.181027
TLE2	-0.476475	8.1822575	-2.449279	0.0231768	0.25497	-3.652905
BANK1	-0.477627	5.0092333	-2.899977	0.0085661	0.1758063	-2.751993
PTOV1	-0.48068	10.6659	-2.998725	0.0068425	0.1634406	-2.545888
4-Sep	-0.481037	5.636575	-4.36575	0.0002711	0.0309557	0.4727227
SLITRK3	-0.48134	4.10013	-2.467082	0.0223075	0.2514912	-3.618754
TFAP2B	-0.482123	7.8703283	-2.537692	0.0191506	0.2404439	-3.482033
C10orf90	-0.483123	4.5849683	-3.626837	0.0015802	0.081833	-1.185148
PLOD3	-0.48383	7.155815	-3.341932	0.0030919	0.1161265	-1.811285
AFAP1	-0.48451	6.556205	-2.593277	0.0169652	0.2306587	-3.373019
AEBP1	-0.48487	11.642625	-2.279184	0.0332185	0.2877404	-3.972216
C10orf10	-0.485865	7.8350125	-2.60231	0.016633	0.2288794	-3.355192
TENC1	-0.48619	9.058625	-2.443502	0.0234656	0.2563942	-3.663959
ARMC9	-0.48751	4.921245	-3.964915	0.0007067	0.0528807	-0.430175
EP300-AS1	-0.48881	9.993495	-2.238758	0.0361317	0.2957257	-4.046149
GPR155	-0.48932	8.5823	-5.859581	8.14E-06	0.0027751	3.7800995
LGALS3BP	-0.48975	9.069795	-2.350208	0.0286171	0.274017	-3.840463
NACAD	-0.4905	7.47589	-2.760074	0.0117333	0.2045923	-3.039126
SRPX	-0.49221	8.843245	-2.111366	0.0469009	0.3226287	-4.273818
COL15A1	-0.49291	10.676385	-3.16423	0.0046761	0.1389401	-2.194854
SUOX	-0.49297	7.872475	-2.199812	0.0391571	0.3053096	-4.116621
LINC01158	-0.49305	4.614815	-2.493405	0.0210777	0.2458909	-3.56802
RANBP17	-0.49343	4.42546	-2.75168	0.0119551	0.2059138	-3.056159
COL4A2	-0.49412	7.99435	-2.407829	0.0253243	0.2617224	-3.731896

LZTS1	-0.495743	5.7796686	-5.602611	1.47E-05	0.0044838	3.225411
FOXD3	-0.496867	4.3907833	-3.243103	0.003894	0.1290124	-2.025382
PIP5KL1	-0.49702	5.49585	-2.158607	0.0426075	0.3124682	-4.190355
CD97	-0.49782	6.45044	-2.173987	0.0412886	0.3097383	-4.162935
TTL1	-0.4981	7.5296	-3.367257	0.0029139	0.1124989	-1.756136
MUC20	-0.499907	6.8136263	-2.633015	0.015549	0.2228713	-3.29437
VASN	-0.5012	7.4196	-2.887654	0.0088084	0.1772813	-2.777523
TMEM200C	-0.502405	6.1059925	-3.393005	0.0027432	0.1088782	-1.699953
PYCR1	-0.50576	6.83899	-2.352221	0.0284957	0.2734539	-3.836696
C9orf91	-0.50589	8.218445	-2.530893	0.0194353	0.2412514	-3.495284
STRADB	-0.5074	8.82527	-3.943636	0.0007435	0.0545235	-0.47795
LINGO1	-0.50774	6.35609	-2.984111	0.0070747	0.1650665	-2.576558
FGF1	-0.50789	4.5073583	-3.220681	0.0041023	0.1309551	-2.073692
PRRG3	-0.50937	6.88682	-2.690178	0.0137061	0.2139002	-3.180228
GRINA	-0.51007	8.249875	-3.066957	0.0058521	0.1547152	-2.401971
TTC7B	-0.51024	9.13213	-4.025107	0.000612	0.0490446	-0.294909
LOC101928988	-0.51359	4.949265	-2.700946	0.013383	0.2133336	-3.1586
SCRG1	-0.515235	5.5151725	-2.552803	0.0185317	0.2382695	-3.452514
ZNF423	-0.51669	9.268175	-2.206041	0.0386582	0.30424	-4.1054
PALM	-0.51709	8.566165	-2.375049	0.0271518	0.2697057	-3.793839
ASPA	-0.517915	8.2506375	-2.25289	0.0350877	0.2931667	-4.020393
LOC101927502	-0.52019	4.295935	-2.137742	0.0444579	0.315495	-4.227361
CCDC8	-0.520425	6.8535825	-2.614685	0.0161878	0.2267176	-3.330721
MPP4	-0.52326	4.11372	-3.914296	0.0007975	0.0560163	-0.543778
HOOK2	-0.52398	8.9494	-2.546818	0.0187745	0.2393546	-3.464215
ACTR3C	-0.52401	6.299435	-2.286484	0.0327161	0.2860838	-3.958784
CYP4B1	-0.524075	8.6000575	-2.316666	0.0307116	0.281047	-3.902976
EPHA5	-0.526627	3.15791	-5.150001	4.21E-05	0.0087498	2.231025
TBCK	-0.52758	8.96848	-3.954017	0.0007253	0.0535795	-0.454646
NLRC3	-0.52777	6.760125	-2.356977	0.0282108	0.2723664	-3.827787
NRROS	-0.52781	6.400355	-2.123937	0.0457219	0.3187845	-4.251722
MCOLN3	-0.529095	7.221295	-3.23349	0.003982	0.1295711	-2.046107
NELL1	-0.52941	4.491845	-2.259081	0.0346392	0.2915618	-4.00908
GRID1	-0.530033	5.53272	-3.868812	0.0008888	0.0594366	-0.645718
KIAA1045	-0.530185	6.3673075	-2.929597	0.0080096	0.1717942	-2.690454
F10	-0.53024	8.86484	-2.732335	0.0124816	0.2089776	-3.095322
SLC7A4	-0.53114	5.15125	-2.641765	0.0152525	0.2207184	-3.276973
CCDC140	-0.5353	3.82936	-2.502652	0.020661	0.244656	-3.550133
SCN5A	-0.53718	5.95099	-2.552646	0.018538	0.2382695	-3.452822
PLOD1	-0.53887	8.721785	-2.519693	0.019913	0.2422281	-3.517075
FBLN7	-0.53895	9.401755	-3.108793	0.0053149	0.1479255	-2.313162
MRAS	-0.53936	8.023005	-2.304187	0.0315263	0.2844828	-3.926102
LRRN3	-0.539815	5.2188525	-2.709954	0.0131182	0.2120254	-3.140475
NR4A2	-0.541167	6.5366933	-2.721866	0.0127756	0.2101407	-3.116464
IDI2-AS1	-0.54186	8.04243	-3.008784	0.006687	0.1629072	-2.524747
SGCE	-0.54284	9.94406	-3.050373	0.0060793	0.1572625	-2.437058
ZNF14	-0.5439	9.22274	-3.00698	0.0067146	0.163155	-2.52854
ZDHHC15	-0.54484	6.18983	-2.471715	0.0220864	0.2502387	-3.609847
PIK3C2G	-0.54494	9.09351	-2.604502	0.0165533	0.2283972	-3.350862
EMR2	-0.545275	5.2051725	-4.03906	0.000592	0.0483266	-0.263527
ARMCX2	-0.54652	7.11944	-2.109742	0.0470552	0.3226287	-4.276665
C7orf31	-0.54687	8.016075	-2.328588	0.0299515	0.2785146	-3.880817
THSD7B	-0.5474	4.12878	-2.980007	0.0071413	0.1657976	-2.585159
SLC9A3R2	-0.55131	7.670375	-2.297481	0.0319722	0.2854238	-3.9385
FLNC	-0.55196	8.39521	-3.003417	0.0067696	0.163155	-2.536029
PDK4	-0.556423	6.8869617	-2.748273	0.0120463	0.2066146	-3.063066
MMP9	-0.55668	6.62372	-2.127363	0.0454052	0.3181011	-4.245685
MGC70870	-0.55898	5.97841	-2.221258	0.0374637	0.3013293	-4.077906
HILS1	-0.56056	5.51171	-5.565746	1.60E-05	0.0046486	3.1452069

GMPR	-0.56087	7.024185	-2.511432	0.0202724	0.2433422	-3.533114
PKHD1	-0.562433	3.8593833	-3.788507	0.0010763	0.0649513	-0.825329
COL4A1	-0.56247	8.35977	-2.429611	0.0241738	0.2592064	-3.690478
DEFB122	-0.56649	4.232555	-3.436469	0.0024769	0.1035855	-1.604865
DDIT4	-0.56787	11.859635	-2.681573	0.0139697	0.2148242	-3.197485
SLC1A5	-0.56869	8.005215	-2.605821	0.0165055	0.2283203	-3.348256
PYGM	-0.56902	5.32295	-2.481229	0.0216385	0.2482383	-3.591524
CTNNA2	-0.57073	4.504455	-4.798248	9.67E-05	0.016216	1.4461644
MITF	-0.570783	7.6205017	-5.14075	4.30E-05	0.0087498	2.2105004
IRF4	-0.57141	4.363345	-7.718021	1.46E-07	0.0001148	7.5182455
SERPING1	-0.57245	11.061205	-2.656224	0.0147742	0.2179193	-3.248168
KLF15	-0.57248	5.47943	-3.500308	0.0021312	0.0958424	-1.464672
APOLD1	-0.57281	8.548375	-3.069739	0.0058148	0.1545026	-2.396078
RAB32	-0.574225	7.5534125	-3.925109	0.0007771	0.0556488	-0.519525
AKAP12	-0.576636	7.984464	-2.73308	0.0124609	0.2088473	-3.093816
DAB1	-0.578365	4.1877925	-2.830978	0.0100096	0.1889228	-2.894357
LMO3	-0.5787	4.3290325	-2.37707	0.0270357	0.2693072	-3.790035
ADHFE1	-0.58025	8.289355	-3.504975	0.0021079	0.0952117	-1.454399
MOCS1	-0.580337	6.7393317	-2.829303	0.0100474	0.1889228	-2.897796
PEG3-AS1	-0.58297	7.027935	-2.610747	0.0163282	0.2278817	-3.338514
PNPLA2	-0.583535	8.7869925	-2.532273	0.0193772	0.2407665	-3.492596
SERPINA5	-0.58364	7.47791	-2.091599	0.0488104	0.3276582	-4.308392
IGDCC4	-0.58434	9.49144	-2.240154	0.0360273	0.2953057	-4.043609
FADS3	-0.58669	7.368515	-2.567955	0.01793	0.2345798	-3.422827
POU3F3	-0.588803	5.051055	-4.200471	0.0004024	0.038123	0.0999912
PTHLH	-0.588803	4.7100117	-2.144714	0.0438317	0.3145858	-4.215021
FAXDC2	-0.588837	9.6669583	-2.299066	0.0318663	0.2853352	-3.935571
C4orf48	-0.58919	7.690495	-4.821959	9.14E-05	0.0154554	1.4993202
LOC101929224	-0.5896	5.98082	-2.224909	0.0371822	0.2998903	-4.071294
USP18	-0.58974	6.674	-2.920472	0.0081772	0.1733536	-2.709441
FLRT3	-0.59149	7.87116	-2.397385	0.0258938	0.2653455	-3.751684
CORO2B	-0.59337	7.406585	-2.167561	0.0418351	0.310758	-4.174406
MANEAL	-0.59359	7.643465	-2.557078	0.01836	0.2368731	-3.444147
LINC00839	-0.5937	6.52399	-3.046714	0.0061306	0.1577689	-2.444791
SPNS2	-0.59466	8.59993	-2.295143	0.0321291	0.2854238	-3.942817
ADH1C	-0.59601	5.261935	-2.259965	0.0345755	0.2913855	-4.007462
PC	-0.59664	7.37904	-2.327695	0.0300078	0.2786912	-3.882478
SGCD	-0.598203	6.2306817	-3.537828	0.0019506	0.0911249	-1.382002
STARD4	-0.59925	6.855855	-2.183513	0.0404904	0.3085029	-4.14589
GGT5	-0.59973	7.714515	-2.537817	0.0191454	0.2404439	-3.481789
MRAP	-0.60098	6.4946167	-2.223564	0.0372856	0.3003695	-4.07373
GDPD5	-0.6013	6.9443	-3.153635	0.0047921	0.1395866	-2.217518
C3	-0.60183	11.622785	-2.125777	0.0455515	0.3186185	-4.248481
TEX41	-0.60361	3.026035	-4.755277	0.0001071	0.0174571	1.3497518
PFAS	-0.60428	8.73	-2.668828	0.0143688	0.2173935	-3.222996
ACKR1	-0.60453	9.770345	-3.861376	0.0009047	0.0596406	-0.662371
UG0898H09	-0.605325	3.6194125	-3.859861	0.000908	0.0596406	-0.665762
ATP1B2	-0.60562	6.35897	-2.918478	0.0082143	0.1736371	-2.713586
ITGA7	-0.60745	6.741965	-2.654759	0.014822	0.2181925	-3.25109
PRRT3	-0.60815	9.587325	-2.68234	0.013946	0.2148242	-3.195947
GATA6	-0.60914	6.745085	-2.335729	0.0295046	0.2775736	-3.867512
PRSS35	-0.61319	4.067695	-2.090014	0.0489665	0.3282633	-4.311155
PLCB4	-0.61358	7.74909	-2.127314	0.0454097	0.3181011	-4.245772
MIA	-0.614	8.30842	-2.693282	0.0136122	0.2139002	-3.173999
KDM4D	-0.61421	5.57938	-2.082658	0.0496969	0.331104	-4.323963
SLC1A4	-0.616354	8.375463	-5.934352	6.86E-06	0.0024215	3.939989
RYR2	-0.617135	4.2235175	-4.585518	0.0001604	0.0226591	0.9680699
BACE2	-0.617643	9.146925	-4.099659	0.0005121	0.0442172	-0.127146
TENM2	-0.61932	8.76987	-2.250311	0.0352761	0.2933036	-4.0251

ACLY	-0.62044	8.91571	-2.585347	0.0172619	0.2320884	-3.388643
LOXL3	-0.62347	6.418055	-2.626327	0.0157792	0.2244189	-3.307647
TMEM132C	-0.62561	8.485595	-2.382401	0.0267316	0.2683915	-3.779987
LTBP2	-0.6263	8.750505	-2.457683	0.0227626	0.2530253	-3.6368
FOXC1	-0.62665	9.794645	-2.212014	0.0381852	0.3036066	-4.094622
KCNH8	-0.62843	3.903165	-2.184205	0.040433	0.3085029	-4.14465
NDP	-0.62977	6.747405	-2.677108	0.0141083	0.2155967	-3.206428
LOC158960	-0.63465	10.389475	-3.882814	0.0008597	0.0582462	-0.614352
COL6A2	-0.63475	9.47094	-2.329979	0.0298639	0.2785146	-3.878226
PIGR	-0.63908	5.868565	-2.459292	0.0226841	0.2529674	-3.633715
LINC00282	-0.64185	4.550845	-2.529754	0.0194834	0.2412514	-3.497502
TNAP	-0.64346	7.42629	-2.307002	0.0313408	0.2841361	-3.920892
PKNOX2	-0.64526	5.5229525	-5.159587	4.12E-05	0.0087498	2.2522871
GPC6	-0.64585	6.15812	-2.987573	0.0070191	0.1645178	-2.569298
FOXD3-AS1	-0.64696	6.7238	-3.862007	0.0009034	0.0596406	-0.660957
DTX4	-0.64819	7.843225	-2.156336	0.0428055	0.3124871	-4.194394
LOC100128079	-0.649345	5.2787275	-7.1945	4.33E-07	0.0002459	6.5176657
FMO4	-0.65178	7.14313	-3.250937	0.0038236	0.1277865	-2.008479
KLB	-0.652375	7.0111675	-2.831865	0.0099896	0.1889228	-2.892536
C3orf70	-0.656085	7.7021325	-3.403676	0.0026753	0.1072026	-1.676635
CA3	-0.65634	6.72227	-2.118599	0.0462191	0.3204799	-4.261113
ADAMTS15	-0.65678	6.64359	-2.15969	0.0425135	0.3123443	-4.188429
FLJ16734	-0.65798	4.39163	-3.1254	0.0051152	0.1445676	-2.277794
TSPAN11	-0.65827	7.974285	-3.440194	0.0024553	0.1029524	-1.596702
TLR2	-0.65866	7.07766	-2.478504	0.0217659	0.2483959	-3.596775
CD36	-0.660956	8.820106	-2.9949	0.0069026	0.1634772	-2.553922
NNAT	-0.66294	6.32546	-3.26677	0.0036852	0.1269239	-1.974281
TSPAN15	-0.66325	6.769325	-2.539852	0.019061	0.2404439	-3.477819
CLDN8	-0.66804	9.99993	-3.392158	0.0027486	0.1088782	-1.701803
MARCKSL1	-0.67179	9.352345	-3.199175	0.0043124	0.1336968	-2.119931
PNLIPRP3	-0.67192	9.73398	-2.209395	0.0383919	0.3038602	-4.099349
CDC42EP3	-0.676847	8.9614863	-7.159448	4.66E-07	0.0002576	6.4491544
PAX3	-0.681568	5.7323938	-4.716997	0.0001173	0.0186021	1.2637885
CHST9	-0.68202	3.58856	-4.260156	0.0003489	0.0367738	0.2345652
LOC101927972	-0.68728	8.40403	-2.612053	0.0162815	0.2275678	-3.335931
NLGN1	-0.689355	5.3364725	-2.949971	0.0076471	0.1684334	-2.647982
SELENBP1	-0.68975	9.892825	-3.097689	0.0054527	0.1499001	-2.336772
CDH2	-0.689855	5.5979875	-3.803668	0.0010381	0.0638348	-0.79146
LOC440934	-0.69257	6.225905	-2.930899	0.0079859	0.1714668	-2.687744
PEG10	-0.697475	6.1908525	-2.919654	0.0081924	0.1733536	-2.711141
LINC00648	-0.69771	4.007515	-3.122062	0.0051547	0.1451069	-2.284908
KCNE1L	-0.70059	4.696105	-3.872431	0.0008812	0.0593136	-0.637611
ACP2	-0.70261	8.264605	-2.263634	0.0343126	0.2910379	-4.000748
MAP9	-0.70402	5.3940475	-4.22341	0.0003809	0.0380605	0.1517081
LOC101929726	-0.70449	5.813395	-2.758045	0.0117865	0.2045923	-3.043245
AGPAT1	-0.70623	8.330165	-2.433685	0.0239641	0.2583393	-3.682709
ENHO	-0.71203	6.624425	-4.422405	0.0002367	0.0290218	0.6004923
PRICKLE2	-0.71327	10.031945	-3.370924	0.002889	0.1119586	-1.748141
RSPH9	-0.71472	4.80063	-3.342062	0.003091	0.1161265	-1.811004
FIGN	-0.718912	5.9862938	-3.556568	0.0018661	0.089007	-1.340641
PRELP	-0.719087	9.3792533	-3.647687	0.001504	0.0800705	-1.138897
WNT11	-0.72213	6.117975	-3.200353	0.0043006	0.133534	-2.117399
TF	-0.72321	6.2682175	-2.437677	0.0237602	0.2577842	-3.675088
CA6	-0.725	6.58838	-2.868684	0.0091942	0.1803751	-2.816734
RBM20	-0.73139	6.502425	-3.214265	0.0041639	0.1324572	-2.087496
CALB2	-0.73637	6.587605	-2.609211	0.0163833	0.2279634	-3.341553
SLC6A17	-0.73791	5.549385	-8.648716	2.31E-08	2.63E-05	9.1915925
PNLIP	-0.73826	3.67799	-3.253846	0.0037978	0.1275653	-2.0022
SLC12A7	-0.74238	9.01661	-3.168177	0.0046336	0.1388174	-2.186405

MPDZ	-0.743595	7.9287875	-2.956762	0.0075298	0.1679469	-2.633799
NRXN3	-0.745325	5.4105125	-6.859065	8.85E-07	0.0004527	5.8543046
STEAP1B	-0.74575	6.454985	-2.773343	0.0113906	0.2027487	-3.012156
SORCS1	-0.745795	5.0044875	-4.749818	0.0001085	0.0174767	1.3374965
PER3	-0.74827	5.9690725	-3.91893	0.0007887	0.0556488	-0.533385
HHATL	-0.74932	5.08111	-2.504778	0.0205662	0.2443824	-3.546013
SFRP1	-0.75143	8.693305	-2.349978	0.028631	0.274017	-3.840895
TMEM140	-0.76057	8.256655	-3.03275	0.00633	0.1598608	-2.474269
MCAM	-0.76283	10.082205	-2.38816	0.0264067	0.2672716	-3.76912
LINC00462	-0.77047	4.589035	-2.859956	0.0093771	0.1818709	-2.83474
RXRG	-0.77202	5.94499	-4.542506	0.0001777	0.0239238	0.8712015
ZNF280B	-0.777567	4.01277	-8.341926	4.19E-08	4.28E-05	8.6548413
PLA2G16	-0.777735	8.1885675	-2.448437	0.0232187	0.2551566	-3.654517
KIT	-0.77902	10.32965	-4.21119	0.0003922	0.0380605	0.1241561
RBPMS2	-0.77918	7.70522	-2.450006	0.0231407	0.2547097	-3.651513
COL24A1	-0.78118	5.46667	-4.175955	0.0004267	0.0398712	0.0447332
RARRES2	-0.78563	10.566815	-3.08491	0.0056155	0.1519059	-2.36391
LSAMP	-0.79238	6.19566	-5.718308	1.12E-05	0.0036514	3.4761194
MLPH	-0.79279	8.382195	-3.192954	0.0043751	0.1343809	-2.133288
LNP1	-0.79594	8.48742	-3.826082	0.0009841	0.0627386	-0.74135
CYP27A1	-0.79832	8.77596	-4.027108	0.0006091	0.0490446	-0.290408
FAM69C	-0.80013	6.357065	-5.710716	1.14E-05	0.0036576	3.4597158
PTH2R	-0.80043	3.834655	-2.866018	0.0092497	0.1810003	-2.822238
LINC00323	-0.801	5.43104	-2.747025	0.0120798	0.2070164	-3.065593
SIDT1	-0.80391	4.761645	-3.785797	0.0010832	0.0650007	-0.831382
BMPR1B	-0.806817	4.9441283	-3.646798	0.0015072	0.0800705	-1.14087
OGN	-0.807865	9.0907125	-2.080234	0.0499397	0.3317262	-4.328176
DCXR	-0.81408	10.23554	-2.286628	0.0327062	0.2860838	-3.958519
CDR1	-0.8171	10.79835	-3.919497	0.0007876	0.0556488	-0.532113
CPQ	-0.82044	9.329855	-4.001954	0.0006469	0.0505073	-0.34696
SCUBE2	-0.82048	8.5079	-3.149212	0.0048414	0.1395866	-2.226972
SLCO2A1	-0.82521	8.311105	-3.519578	0.0020365	0.0934308	-1.422237
RBM24	-0.82557	6.797255	-2.350038	0.0286274	0.274017	-3.840782
PCDHB15	-0.83672	5.07316	-4.476378	0.0002081	0.0263958	0.7221816
ZNF571-AS1	-0.83864	5.43961	-2.915466	0.0082706	0.173805	-2.719844
NR1D2	-0.83878	10.42297	-5.268825	3.19E-05	0.0074977	2.4939989
AACSP1	-0.84973	5.866525	-2.517898	0.0199906	0.2426143	-3.520562
KIAA1549L	-0.8525	4.92352	-6.03606	5.45E-06	0.0020656	4.1563325
LEF1-AS1	-0.8549	4.68612	-4.083598	0.0005322	0.0453737	-0.163305
CBLN3	-0.85618	5.30694	-2.996245	0.0068814	0.1634772	-2.551097
MC1R	-0.86158	6.57936	-4.250875	0.0003567	0.0368658	0.2136357
EN2	-0.87573	5.353715	-3.669904	0.0014268	0.0770305	-1.08956
ACOX2	-0.87891	7.484265	-2.085852	0.0493786	0.3303407	-4.318405
SMTNL2	-0.88084	5.28894	-2.975014	0.0072231	0.1657976	-2.595621
PHACTR3	-0.88086	6.14301	-2.844104	0.0097182	0.1861926	-2.867384
ZBTB16	-0.88437	8.557885	-2.46421	0.0224457	0.2522797	-3.624273
BCAN	-0.887323	5.1239213	-8.686459	2.15E-08	2.61E-05	9.2566305
AOC1	-0.89345	6.724235	-2.428461	0.0242333	0.2592064	-3.69267
ACSS3	-0.896105	6.7295925	-2.48557	0.021437	0.2472716	-3.583152
L1CAM	-0.897515	6.4362975	-5.954521	6.56E-06	0.0023537	3.9829971
LOC100132891	-0.89913	5.991015	-4.021507	0.0006173	0.0490446	-0.303004
S100A1	-0.90407	8.470315	-2.420528	0.0246475	0.2601021	-3.707775
PTPRR	-0.909145	3.7276825	-2.897499	0.0086143	0.1760894	-2.757132
TUBB4A	-0.90988	5.29934	-2.964783	0.0073935	0.1668023	-2.617033
LINC01314	-0.91609	5.0494417	-5.284867	3.07E-05	0.0073905	2.5294062
3-Sep	-0.92402	6.82254	-6.057778	5.19E-06	0.0020038	4.2023547
UAP1L1	-0.92516	7.33262	-2.850832	0.009572	0.1840785	-2.853538
ELFN1	-0.93159	6.029015	-3.204641	0.004258	0.1334313	-2.108187
CLSTN2	-0.93201	6.52857	-3.57731	0.0017768	0.0878172	-1.294805

PPARG	-0.93903	7.294885	-2.138061	0.0444291	0.315495	-4.226798
GPAM	-0.958025	8.7687225	-2.435725	0.0238597	0.2579817	-3.678816
IP6K3	-0.95874	4.78667	-2.634124	0.0155111	0.2225721	-3.292166
ATP1A2	-0.96163	6.36706	-2.868966	0.0091883	0.1803751	-2.816152
1-Mar	-0.97382	6.8859	-2.90912	0.0083905	0.1741234	-2.733026
HSPB6	-0.98526	8.19692	-2.975397	0.0072168	0.1657976	-2.594819
SUSD4	-0.994883	6.687655	-2.450857	0.0230985	0.2545192	-3.649884
ARNT2	-0.99756	6.51424	-4.474611	0.000209	0.0263958	0.718199
PLA2G7	-0.9993	8.3686	-2.207307	0.0385575	0.3038692	-4.103117
KANK4	-1.01392	5.86323	-3.295004	0.0034504	0.1236041	-1.913176
CRYM	-1.02861	7.173925	-5.32301	2.81E-05	0.0072045	2.6134944
LINC00520	-1.02942	5.41991	-2.268908	0.0339379	0.289832	-3.991084
PNMAL1	-1.039	6.86329	-2.290476	0.0324442	0.2857825	-3.951426
NIM1K	-1.04251	5.857215	-3.74114	0.0012047	0.0688541	-0.931019
PDZRN4	-1.0511	6.12998	-2.363793	0.027807	0.2713197	-3.815001
NME5	-1.05466	6.28062	-3.34871	0.0030433	0.1153179	-1.796536
VEPH1	-1.056963	5.378015	-5.184441	3.88E-05	0.0086784	2.3073741
MFSD12	-1.057375	7.5924975	-5.890579	7.58E-06	0.0026297	3.8464713
GAPDHS	-1.06076	5.30432	-9.160758	8.80E-09	1.39E-05	10.05552
EDNRB	-1.073083	8.809075	-5.82209	8.86E-06	0.0029734	3.6996668
CEP72	-1.08412	7.59046	-5.209871	3.66E-05	0.0083291	2.3636824
FCRLA	-1.086877	3.939905	-4.568695	0.000167	0.0230467	0.9301876
DPP6	-1.09375	5.4396617	-5.314623	2.86E-05	0.0072299	2.5950166
ANO5	-1.1064	5.17395	-2.629627	0.0156652	0.223842	-3.301098
LGALS12	-1.11469	5.186305	-2.683381	0.0139139	0.2148242	-3.193862
SCD	-1.11952	7.9632225	-3.694969	0.0013444	0.0737937	-1.033834
PPEF1	-1.12823	5.298095	-5.485161	1.93E-05	0.0052532	2.9693651
LOC100505498	-1.136885	5.5886825	-4.217267	0.0003866	0.0380605	0.1378561
SLC35F1	-1.1483	6.8399	-4.964742	6.52E-05	0.0120105	1.8187225
SLC45A2	-1.15337	5.233165	-7.619814	1.78E-07	0.0001303	7.3338029
ROPN1B	-1.15419	8.141365	-2.156935	0.0427532	0.3124871	-4.193329
SLC6A15	-1.158838	4.8535113	-5.2094	3.66E-05	0.0083291	2.362639
TUBB2B	-1.16215	6.646755	-4.579687	0.0001626	0.0227934	0.9549405
ERP27	-1.16383	6.759535	-2.940866	0.0078071	0.1692469	-2.666976
CRABP1	-1.16444	5.34337	-8.039269	7.62E-08	7.07E-05	8.1110547
GPR158	-1.1987	3.5721	-4.118325	0.0004898	0.0429014	-0.085112
CDH3	-1.19886	9.06286	-6.219946	3.60E-06	0.0014269	4.5440039
FREM2	-1.20347	7.078805	-2.440549	0.0236145	0.2571484	-3.669603
APBA2	-1.258365	6.5396625	-8.879062	1.49E-08	2.03E-05	9.5851351
KCNJ13	-1.2663	6.648775	-3.460693	0.0023397	0.0999475	-1.551739
TRIM63	-1.2709	6.92148	-5.309643	2.90E-05	0.0072299	2.5840421
LHFPL3-AS1	-1.302887	3.8381633	-11.19061	2.61E-10	5.35E-07	13.110379
PLIN4	-1.31286	7.80965	-2.50604	0.0205102	0.2441394	-3.543568
OR7A5	-1.31488	4.49817	-3.474939	0.0022625	0.0978968	-1.520457
GSTT2	-1.34792	8.36481	-2.638315	0.0153687	0.2214611	-3.283836
SLCO4A1-AS1	-1.34854	6.97073	-5.803392	9.25E-06	0.0030532	3.6594882
TIMP4	-1.36003	6.679845	-2.67753	0.0140952	0.2155568	-3.205584
LTF	-1.36318	8.04321	-2.277529	0.0333334	0.2877404	-3.975259
IGSF11	-1.41109	6.183615	-4.319168	0.000303	0.0335115	0.3676571
LGI3	-1.41602	7.28971	-7.22752	4.03E-07	0.0002428	6.5820341
SOX10	-1.43428	7.22558	-4.964192	6.53E-05	0.0120105	1.8174938
LPL	-1.46407	8.396645	-2.660811	0.0146254	0.2179193	-3.239013
MYEF2	-1.468433	6.5011917	-7.229393	4.02E-07	0.0002428	6.5856811
GYG2	-1.500263	6.9976517	-3.36251	0.0029465	0.1133294	-1.766481
CAPN3	-1.540877	9.0129383	-8.369479	3.97E-08	4.27E-05	8.7036399
PLP1	-1.61917	8.936485	-7.687608	1.55E-07	0.0001176	7.4612882
CIART	-1.62592	8.9747	-5.157348	4.14E-05	0.0087498	2.247322
BCL2A1	-1.64689	6.420645	-4.988085	6.17E-05	0.0117944	1.8708137
GPM6B	-1.674475	9.4059875	-8.018667	7.94E-08	7.07E-05	8.0735202

LINC00518	-1.71127	3.72934	-7.337577	3.20E-07	0.0002095	6.7953565
ALX1	-1.73178	6.84851	-8.681834	2.17E-08	2.61E-05	9.2486719
LPPR4	-1.78361	8.361435	-7.907607	9.93E-08	8.13E-05	7.8700452
KCNN2	-1.95222	4.70157	-8.896391	1.44E-08	2.03E-05	9.614416
OCA2	-1.96704	7.87807	-11.36484	1.98E-10	4.49E-07	13.346963
CA14	-2.03462	5.44869	-12.64098	2.78E-11	9.48E-08	14.96867
C3orf79	-2.22591	4.713985	-7.57978	1.94E-07	0.0001366	7.2581832
PCSK2	-2.44815	7.041335	-15.42316	6.30E-13	6.45E-09	17.91314
WDR63	-2.55041	5.042235	-8.251691	5.00E-08	4.87E-05	8.4942035
PMEL	-2.64211	8.738395	-10.51942	7.94E-10	1.35E-06	12.162599
GPR143	-2.64887	7.514465	-16.15297	2.57E-13	5.25E-09	18.571494
TYR	-2.787253	5.4540067	-14.46533	2.17E-12	1.11E-08	16.981678
TRPM1	-2.982743	5.8910217	-14.71245	1.57E-12	1.07E-08	17.229685
CLEC12B	-3.103005	5.3792625	-12.30614	4.58E-11	1.34E-07	14.561413
DCT	-4.272403	7.8387638	-13.94516	4.36E-12	1.79E-08	16.441261
TYRP1	-4.65059	9.736215	-7.361685	3.04E-07	0.0002077	6.8418326
MLANA	-4.79868	8.714795	-11.79359	1.00E-10	2.57E-07	13.913212